MAP NO.:	**ASSESSMENT REPORT**	X	**DOCUMENT NO:** 092834
	PROSPECTUS		**MINING DISTRICT:** Watson Lake
105 F 9,15,16 105 G 12	**CONFIDENTIAL** **OPEN FILE**	X	**TYPE OF WORK:** Geochemical, geophysical

REPORT FILED UNDER: Welcome North Mines Ltd

DATE PERFORMED: 1 April-31 May, 1988 **DATE FILED:** 3 October, 1988

LOCATION: **LAT.:** 61°40'N **AREA:** Hoole River

LONG.: 132°00'W **VALUE $:**

CLAIM NAME & NO.: HOOLE 41-200(YB10424-623); KEPI 2-280 (YB11119-179,205-325,342-397); STAR 1-22 (YB10208-30); STAR 24-162 (YB10231-369); TINT 197-236 (YB14017-5); TINT 197-236 (YB14017-56); WLN 16-75 (YB10624-83)

WORK DONE BY: W.J. Roberts, R.G. Potter, J. McClintock

WORK DONE FOR: Welcome North Mines Ltd

DATE TO GOOD STANDING:

REMARKS:

Airborne geophysical surveys were carried out in 1988 over an area of the Tintina Trench southeast of Grew Creek. Ground surveys were done on the TINT claims. Rock samples returned values up to 375 ppb Au.

Confidential to 1 April 1991

1988 REPORT ON GEOPHYSICAL AND GEOLOGICAL SURVEYS ON THE TINTINA GROUP OF CLAIMS AND SURROUNDING AREA

(CLAIMS INCLUDE: TINT, WLN, STAR, KEPI AND HOOLE)

NTS: 105 F/9, 15, 16
105 G/12

BY

W.J. ROBERTS
R.G. POTTER
J. McCLINTOCK

FOR

WELCOME NORTH MINES LTD.
1500 - 675 W. HASTINGS STREET
VANCOUVER, B.C.
V6B 1N2

092834

WORK DONE DURING PERIOD APRIL 1-MAY 31, 1988

APPLICATION FOR YUKON EXPLORATION INCENTIVE PROGRAM

DESIGNATION NUMBER: EIP88005

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ILLUSTRATIONS

PROPERTY	MAP	SCALE	LOCATION
KEPI	FLIGHT PATH	1:10,000	In Pocket
"	TOTAL FIELD MAGNETIC CONTOURS	"	"
"	VLF-EM TOTAL FIELD CONTOURS	"	"
"	APPARENT RESISTIVITY CONTOURS	"	"
"	INTERPRETATION MAP	"	"
STAR I	FLIGHT PATH	1:10,000	In Pocket
"	TOTAL FIELD MAGNETIC CONTOURS	"	"
"	VLF-EM TOTAL FIELD CONTOURS	"	"
"	APPARENT RESISTIVITY CONTOURS	"	"
"	INTERPRETATION MAP	"	"
STAR II	FLIGHT PATH	1:10,000	In Pocket
"	TOTAL FIELD MAGNETIC CONTOURS	"	"
"	VLF-EM TOTAL FIELD CONTOURS	"	"
"	APPARENT RESISTIVITY CONTOURS	"	"
"	INTERPRETATION MAP	"	"
HOOLE	FLIGHT PATH	1:10,000	In Pocket
"	TOTAL FIELD MAGNETIC CONTOURS	"	"
"	VLF-EM TOTAL FIELD CONTOURS	"	"
"	APPARENT RESISTIVITY CONTOURS	"	"
"	INTERPRETATION MAP	"	"
WLN	FLIGHT PATH	1:10,000	In Pocket
"	TOTAL FIELD MAGNETIC CONTOURS	"	"
"	VLF-EM TOTAL FIELD CONTOURS	"	"
"	APPARENT RESISTIVITY CONTOURS	"	"
TINT	GROUND MAGNETOMETER SURVEY	1:10,000	In Pocket
	GEOLOGY AND GEOCHEMISTRY	"	"
REGIONAL	105F/9 REGIONAL SAMPLING RESULTS	1:50,000	In Pocket
	105F/15 " " "	"	"
	105F/16 " " "	"	"
	105G/12 " " "	"	"
	105J/4 " " "	"	"
	105J/5 " " "	"	"
	105J/11 " " "	"	"
	105J/12 " " "	"	"
	105J/13 " " "	"	"
	105K/1 " " "	"	"
	105K/2 " " "	"	"
	105K/3 " " "	"	"

WELCOME NORTH MINES LTD.
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INTRODUCTION

The Yukon's Tintina Trench contains the northwest trending Tintina Fault which represents a major zone of transcurrent faulting, and structural discontinuity. Epithermal systems are associated with Tertiary volcanism infilling graben structures related to the Tintina Fault.

The 80 kilometer (50 mile) long Ross River Gold Belt contained within the Yukon's Tintina Trench has demonstrated potential for the occurrence of large epithermal gold deposits. The recently discovered Grew Creek epithermal gold deposit located 30 kilometers northwest of Ross River, within the Tintina Trench, has a reported drill-indicated reserve of 2 million tons of 0.20 ounces per ton gold. Exploration at Grew Creek is continuing. The Grew Creek deposit is hosted by poorly exposed Tertiary felsic volcanics. Placer gold is found in the Grew Creek drainage.

Welcome North's Tintina Project holds property throughout a 40 kilometer section of the belt. Geological and geophysical targets in close proximity to placer gold occurrences present an attractive target for exploratory drill testing and discovery of epithermal gold mineralization.

Since the Tintina Trench is largely overburden covered, airborne magnetic, electromagnetic and apparent resistivity survey information was required to effectively map centers of volcanic activity, fault zones and geologic contacts. Cross-cutting drainages containing placer gold indicate potential lode-gold sources hosted within the Tintina Fault epithermal system.

During the period April 1 to May 31, 1988, Welcome North conducted airborne geophysical surveys over the Tintina Group of claims, conducted ground targeting surveys on the Tint claims and initiated reconnaissance prospecting and geochemical surveys in the surrounding area for additional gold epithermal mineralization.

LOCATION AND ACCESS

The Tintina Group of claims lies in the Tintina Trench and are aligned in a northwest orientation that is approximately 40 kilometers in length. The claim group is centered 15 kilometers directly south of the town of Ross River.

The claims cover rolling timber covered hills within the northwest trending Tintina Trench system. Portions of the claim group also cover the eastern flank of the Pelly Mountains that range in elevation to 1500 meters.

Ross River is reached by an all-weather road from Whitehorse via Carmacks and is also served by daily scheduled flights from Whitehorse.

Access to the claims is largely by helicopter from Ross River. Mobilization from Ross River can be improved in part via the Ketza River Road which passes through the center of the claim group.

All claims lie in close proximity to either the Ketza River Road or the Robert Campbell Highway.

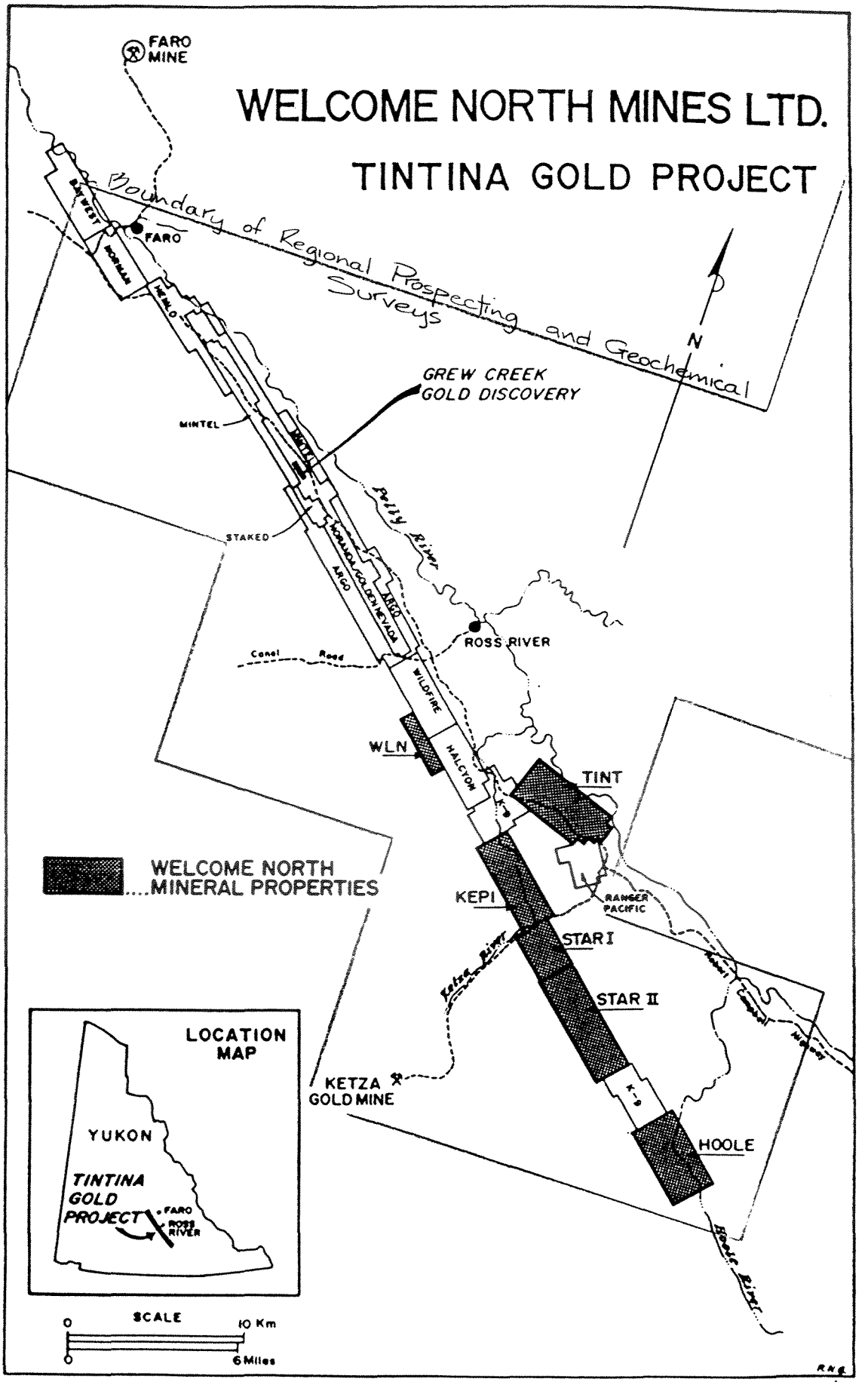

FARO MINE
WELCOME NORTH MINES LTD.
TINTINA GOLD PROJECT
Boundary of Regional Prospecting and Geochemical Surveys
FARO
N
GREW CREEK GOLD DISCOVERY
MINTEL
STAKED
Pelly River
ROSS RIVER
Canol Road
WLN
TINT
KEPI
STAR I
STAR II
HOOLE
RANGER PACIFIC
KETZA GOLD MINE
WELCOME NORTH ....MINERAL PROPERTIES
LOCATION MAP
YUKON
TINTINA GOLD PROJECT
FARO
ROSS RIVER
SCALE
0
10 Km
6 Miles

Fig 1

LIST OF CLAIMS

N.T.S.	CLAIM NO.	GRANT NO.	NO. OF UNITS
105G/12	HOOLE 41-200	YB10424-6B10623	160
105F/9, 16	KEPI 2	YB11119	1
	KEPI 4	YB11121	1
	KEPI 6	YB11123	1
	KEPI 8	YB11125	1
	KEPI 10	YB11127	1
	KEPI 12	YB11129	1
	KEPI 14	YB11131	1
	KEPI 16	YB11133	1
	KEPI 18	YB11135	1
	KEPI 20	YB11137	1
	KEPI 22	YB11139	1
	KEPI 24-62	YB11141-YB1179	39
	KEPI 88	YB11205	1
	KEPI 90	YB11207	1
	KEPI 92	YB11209	1
	KEPI 94	YB11211	1
	KEPI 96	YB11213	1
	KEPI 98	YB11215	1
	KEPI 100	YB11217	1
	KEPI 102	YB11219	1
	KEPI 104	YB11221	1
	KEPI 106	YB11223	1
	KEPI 108	YB11225	1
	KEPI 110	YB11227	1
	KEPI 112	YB11229	1
	KEPI 114	YB11231	1
	KEPI 116	YB11233	1
	KEPI 118	YB11235	1
	KEPI 120	YB11237	1
	KEPI 122	YB11239	1
	KEPI 124	YB11241	1
	KEPI 126	YB11243	1
	KEPI 128-208	YB11245-YB11325	81
	KEPI 225-264	YB11342-YB11381	40
	KEPI 266-278	YB11383-11395	13
	KEPI 280	YB11397	1
105F/9, G/12	STAR 1-22	YB10208-YB10208	22
	24	YB10231	1
	26	YB10233	1
	28	YB10235	1
	30	YB10237	1
	32	YB10239	1
	34	YB10241	1
	36	YB10243	1
	38	YB10245	1
	40-162	YB10247-YB10369	123
105F/16	TINT 197-236	YB14017-YB14056	40
105F/15, 16,	WLN 16-75	YB10624-YB10683	60
TOTAL CLAIMS:			618

HISTORY

Past workers in the area have concentrated on exploring for base metals due to the discovery of the nearby Anvil District. Although placer gold has been discovered in several creeks and rivers in the project area, there is little evidence of previous metal exploration throughout this part of the Tintina Trench. A summary of previous work on Welcome North's recently acquired claims follows:

HOOLE CLAIMS

Placer gold occurrences have been known along the Hoole River since early in the century. Hardrock interest in the area was initiated in 1955, when mineralized float was found immediately to the east of what is now the Hoole claim block. The Hoo claims were staked in 1966 by Northlake Mining Ltd. which carried out an airborne magnetic and electromagnetic survey as well as soil sampling followed by the drilling of 4 holes (1596 feet). Drilling was carried out to investigate an EM conductor south of Hoole River which was found to be caused by graphitic schist with minor pyrrhotite and pyrite with a trace of chalcopyrite.

The area was restaked in 1972 by the South Yukon Joint Venture (Chevron et al). Work in 1972 located the source of the 1955 lead-zinc float. Soil grid sampling outlined 6 large coincident lead and zinc anomalies within an area 12,000 x 3000 feet. Trenching and drilling in 1973 (8 holes, 2500 feet) showed that mineralization was confined to clastic horizons associated with limestone lenses. Best assays were of the order of 3 to 5% zinc over about 4 meters.

With the recent discovery of epithermal gold mineralization at Grew Creek a staking rush has occurred along the trend of the Tintina Fault zone. Of special interest have been areas with known occurrences of placer gold. The ground covered by the Hoole claims is one of these locations.

WLN CLAIMS

The WLN claims cover a portion of a previous extensive claim block (Tom claims) which was explored by St. Joe Explorations Ltd. in 1978. St. Joe carried out a program of geological mapping, and rock silt and soil sampling. Geochemical samples were run for lead, zinc and copper. This work is documented in a report by D.A.R. Hendry and D.C. Miller dated October 10, 1978.

STAR CLAIMS

The area of the Starr Creek rhyolite was staked by Amax in August, 1980 (Rush claim YA56459). No record of work carried out by Amax is known to the writer.

Archer Cathro NCMI, NTS 1056 Occ. 103.

An area of the west end of the Star I claim group was staked as Joe I (89852) in January, 1966. Bulldozer trending was reportedly carried out in that year. No documentation is available on this work.

The Pelly Mountain area of the claims is part of a broad area investigated by Welcome North et al under the Woodside Project during the period 1977 to 1979. This work was directed toward evaluation of the base metal potential of the Lower Paleozoic metasediments south of the Tintina Trench.

KEPI CLAIMS

Trace occurrences of placer gold have been recognized along the Ketza River since early in the century.

An area at the east end of the Kepi claims was staked as the Joe claim (89852) in January, 1966. Bulldozer trenching was reportedly carried out late in that year. No documentation is available on this work. Ref. Northern Cordillera Mineral Inventory N.T.S. 105F #51.

Geology and mineralization of the Pelly Mountains in the area of the Kepi claims was investigated by Welcome North Mines as part of the Woodside Project (1977-1979). This project was structured to assess the base metal potential of that area.

TINT CLAIMS

Early interest in the Tint area was sparked by the similarity of its siliceous and sericitic phyllites to those of the Anvil Range. Base metal exploration began here in the mid 1970's with the staking of the Su claims (Y83668) in October, 1974, by Hung Ping Chung, and the Calgal claims (Y84121) in May, 1975, by Welcome North Mines. In 1975, the Su group was optioned by Silver Standard ML which carried out mapping, geochemistry and bulldozer trenching. Welcome North conducted a gravity survey and drilled one hole (550 ft.) on the Su group later in 1975 in a joint venture with Silver Standard. Welcome North carried out a second gravity survey on Su in 1976 and 1977, and drilled two holes (500 ft.) in 1979. The drilling

tested gravity anomalies without success. Felsic to basic volcanic rocks of unknown age are reported on the Su claims.

In response to a growing interest in gold potential along the Tintina Trench, Welcome North restaked the area as the Tint claims in December, 1987.

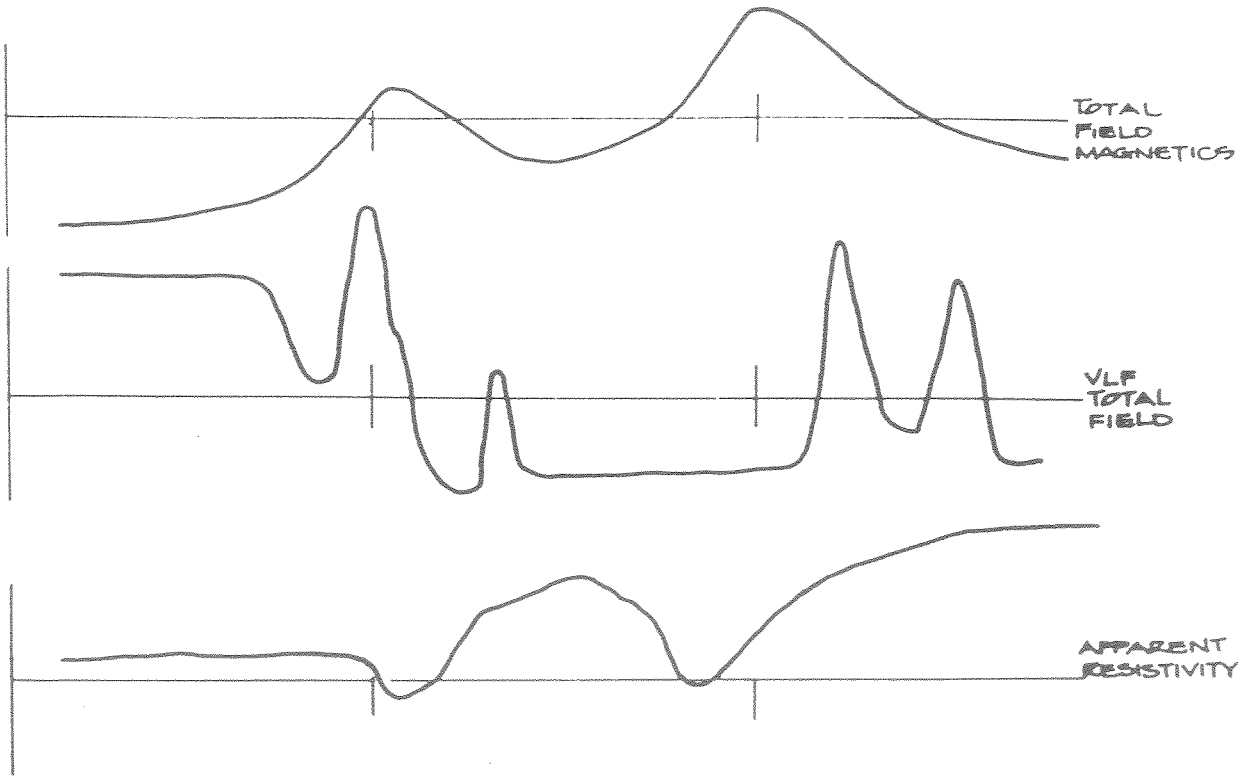
AIRBORNE GEOPHYSICAL SURVEY

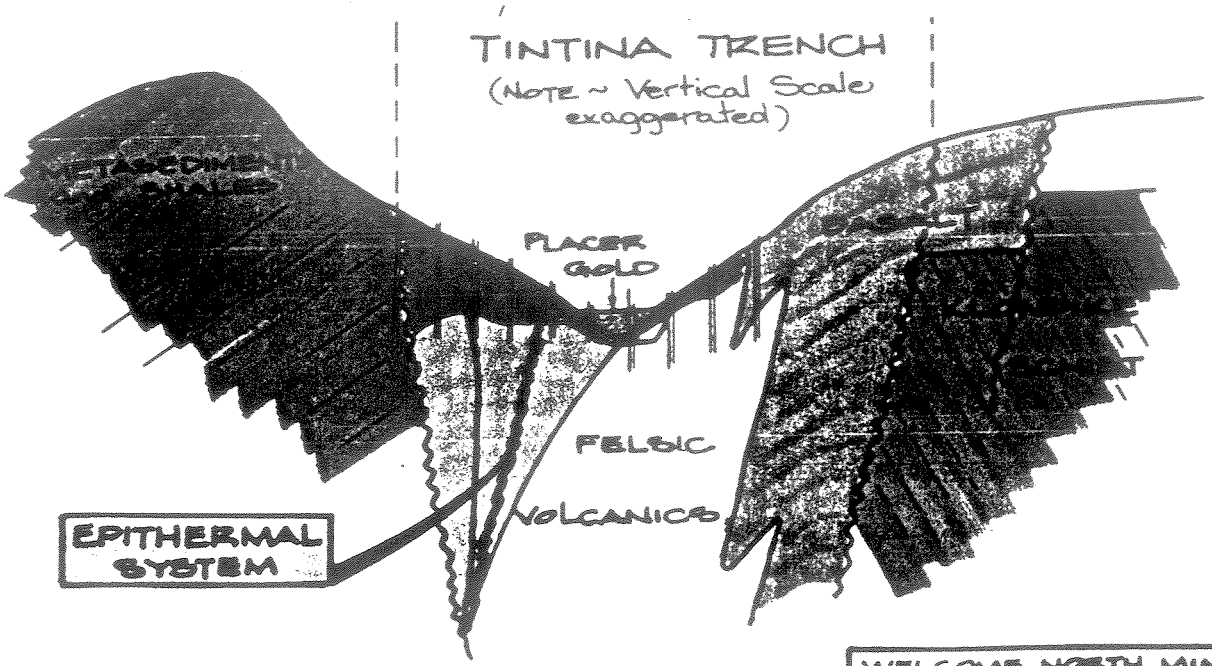
As much of the area underlying the claims is overburden covered, an airborne geophysical survey was flown to aid in mapping major rock units; outlining major faults and associated splays; and delineating felsic volcanic centers.

Magnetic response outlined horizons of basalt, felsic volcanics and sediments. VLF electromagnetic surveys located positions of conductive fault zones. Apparent resistivity highs outlined potential felsic volcanic centers within the Tertiary graben.

The geophysical signature used to target areas of potential epithermal precious metal mineralization associated with Tertiary felsic centers is shown in Figure 2.

Aerodat Limited was contracted to conduct the airborne geophysical survey which was completed during the period April 23 to April 27, 1988. Please note the accompanying report "Report on a Combined Helicopter-Borne Magnetic, Electromagnetic and VLF Survey, WLN, Starr Creek, Hoole River Properties, Pelly River Area, Yukon Territory" in Appendix II. The Aerodat report summarizes all technical information; prioritizes all anomalies outlined; and provides recommendations for ongoing exploration. All geophysical maps are enclosed in individual property pockets in Volume II of this report.





TARGET
1000 Metres
10 ROTARY HOLE FENCE
AV. 60 metres / hole

WELCOME NORTH MINES LTD

TINTINA PROJECT

EPITHERMAL GOLD

EXPLORATION MODEL

oct. 1988

Fig 2

SURFACE EXPLORATION REPORT

ON THE

TINT CLAIMS

N.T.S. 105F/16

LATITUDE: 61°50'N
LONGITUDE: 132°10'W

TINT 1, 3-205 & 197-236

WATSON LAKE MINING DISTRICT

FOR

WELCOME NORTH MINES LTD.
15th FL., 675 W. HASTINGS STREET
VANCOUVER, B.C.
CANADA
V6B 1N2

BY

R.G. Potter, P.Eng.

NOVEMBER, 1988

(WORK DONE DURING APRIL, 1988)

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IV	HISTORY	4
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II ANALYTICAL CERTIFICATES

III SUMMARY OF EXPENDITURES

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4	GEOLOGY AND GEOCHEMISTRY 1:10,000	In Pocket
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I. SUMMARY AND RECOMMENDATIONS

In May of 1988 Welcome North Mines Ltd. carried out a program of reconnaissance geology, geochemistry, prospecting and magnetic/VLF-EM surveys on the Tint claims.

The property lies to the north of the Tintina Trench about 45 kilometers southeast of Grew Creek in the central Yukon.

The claims are underlain by rocks of the Klondike schist sequence including: black siliceous and rusty sericitic phyllite, chloritic amphibolite, and quartzite. No mineralization is recognized.

The results of soil (1147 samples) and rock (35 samples) analyses for gold, silver and arsenic show no clear anomalies.

Magnetic data does not suggest the presence of volcanic rocks or prospective structures. VLF data is inconclusive.

Tint claims lie about one kilometer north of an occurrence of silicified rhyolite breccia which is anomalous in gold. There is a possibility that this lithology could extend onto an overburden covered area of the Tint.

Respectfully submitted,



Robert G. Potter, P.Eng.

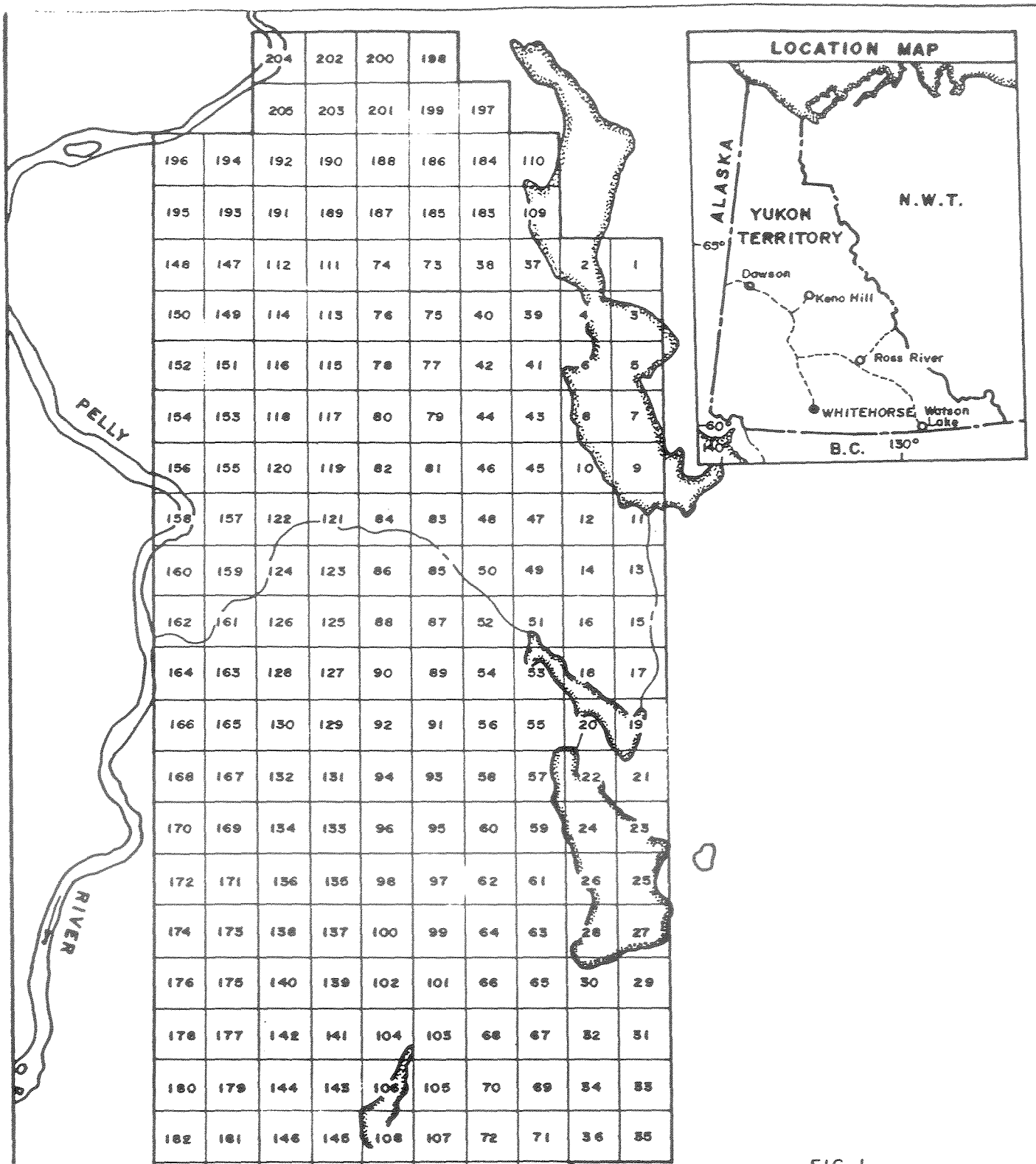


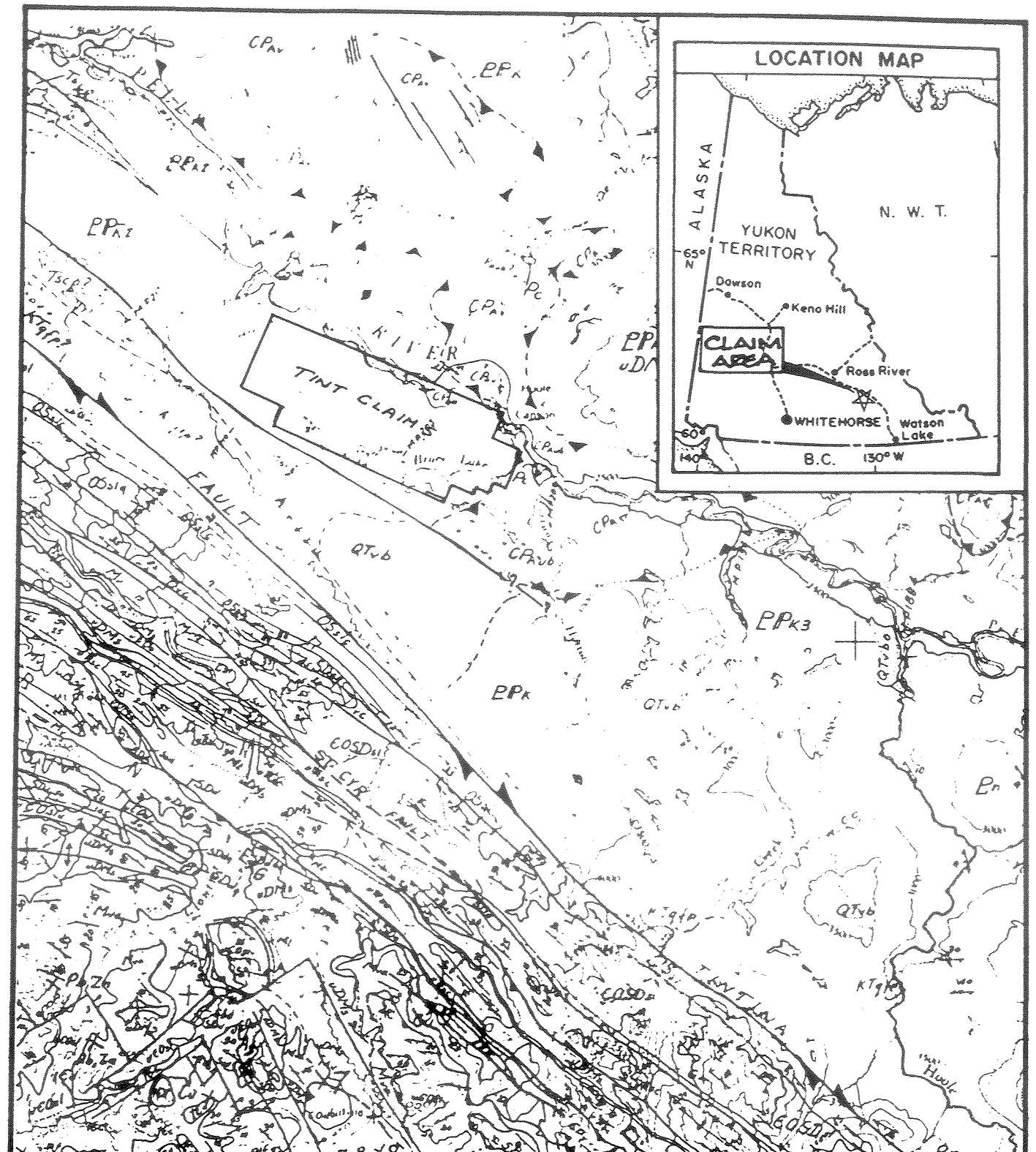
FIG. 1

WELCOME NORTH MINES LTD
VANCOUVER, BRITISH COLUMBIA

TINT CLAIMS

CLAIMS & LOCATION

Work by : R. Potter	N.T.S. : 105 F/16
Drawn by: P.H.	Scale : 1:50 000
Date : Nov., 1988	Rev. :



LEGEND

CRETACEOUS & TERTIARY

- Basalt
- Rhyolite tuffs & breccia

CARBONIFEROUS & PERMIAN (Anvil–Campbell Allochthon)

- Dunite peridotite & serpentine

ORDOVICIAN & SILURIAN

- Slate, quartzite limestone

AGE UNKNOWN

KLONDIKE SCHIST

- Schist, Phyllite Gneiss

TINTINA FAULT

N

WELCOME NORTH MINES LTD.
VANCOUVER, BRITISH COLUMBIA

TINT CLAIMS

FIG 2

REGIONAL GEOLOGY

Work by : Robert Potter	N.T.S. : 105 G
Drawn by: Vicki Hutchings	Scale 1:250,000
Date : Sept. 1980	Figure :

II. INTRODUCTION

From May 13 to 24, 1988, Welcome North Mines Ltd. conducted a geochemical, geological and geophysical program on the Tint claims. The program was designed to evaluate the precious metal potential of the property. A total of 1147 soil samples and 35 rock samples were collected for analysis by Min-En Laboratories Ltd. of North Vancouver, B.C., for gold, arsenic and silver. Reconnaissance geological mapping and magnetic/VLF-EM survey were also carried out. Field crew consisted of one geologist/field manager, one geophysical operator and five soil samplers.

III. PROPERTY, ACCESS AND LOCATION (Fig. 1)

The Tint property consists of 236 full-sized mineral claims registered in the name of Welcome North Mines Ltd. in the Watson Lake Mining District as follows:

Claim Name	Grant No.	Record Date
TINT 1	YB09978	December 03, 1987
" 3-205	YB09979-YB10181	December 03, 1987
" 197-236	YB14017-YB14056	June 02, 1988

The property is located south of the Pelly River from 16 to 26 kilometers southeast of Ross River. Geographical coordinates are latitude 61°50'N, longitude 132°10'W and N.T.S. 105F/16. Access from Ross River is by the Robert Campbell Highway which traverses the full length of the claims. Ross River is reached by all weather road from Whitehorse via Carmacks and is also served by daily scheduled flights from Whitehorse.

Topography within the Tint claims includes the low hills south of the Pelly River and the flats around and to the west of Bruce Lake. Elevations range from 2800 to 2600 feet ASL. South aspect slopes are grass covered. Uplands and low areas have a sparse growth of aspen and spruce over an old burn.

IV. HISTORY

Early interest in the Tint area was sparked by the similarity of its siliceous and sericitic phyllites to those of the Anvil Range. Base metal exploration began here in the mid 1970's with the staking of the Su claims (Y83668) in October, 1974, by Hung Ping Chung, and the Calgal claims (Y84121) in May, 1975, by Welcome North Mines. In 1975, the Su group was optioned by Silver Standard ML which carried out mapping, geochemistry and bulldozer trenching. Welcome North conducted a

gravity survey and drilled one hole (550 ft.) on the Su group later in 1975 in a joint venture with Silver Standard. Welcome North carried out a second gravity survey on Su in 1976 and 1977, and drilled two holes (500 ft.) in 1979. The drilling tested gravity anomalies without success. Felsic to basic volcanic rocks of unknown age are reported on the Su claims.

In response to a growing interest in gold potential along the Tintina Trench, Welcome North restaked the area as the Tint claims in December, 1987.

V. GEOLOGICAL SETTING (Fig. 2)

The subject property is located immediately north of the Tintina Trench. This major northwest trending feature is the locus of about 450 kilometers of dextral offset which occurred during the Mid and Late Cretaceous (Roddick 1967, Templeman-Kluit 1979).

To the south of the Tintina lies the Pelly Cassiar Platform comprising thrust wedges of Lower Paleozoic clastic and carbonate metasediments. The area to the northeast of Tintina is that of the Selwyn Fold Belt which comprises a diverse assemblage of clastic, carbonate, volcanic, ultramafic, and granitic rocks of Hadrynian to Tertiary-age. Superimposed on this terrain are remnants of pre-Mid Cretaceous thrust sheets which include basic volcanics and ultramafics (Anvil Allochthon).

Eocene-age basalts, rhyolites and derived sediments occur along the Tintina Trench. At Grew Creek, 25 kilometers northwest of Ross River, felsic volcanic and volcaniclastic rocks are preserved in a northwest trending graben of the Tintina fault system. Gold mineralization is found in the volcanic rocks associated with silicic and acid sulphate alteration. This zone is also anomalous in silver and arsenic.

The occurrence of placer gold at Hoole Canyon on the Pelly River near the northeast corner of the Tint claims has been known since early in the century. Pyritic quartzite and phyllite are possible sources for this gold. Such rocks are widely distributed on the Tint claims.

South of Bruce Lake within one kilometer of the southeast corner of the Tint claims gold values up to 6000 ppb have been reported from silicified rhyolite breccia similar to that of Grew Creek (Lukeshane cl.).

VI. 1988 PROGRAM

The 1988 exploration program on the Tint claims consisted of reconnaissance geology, soil geochemistry, prospecting and Mag/VLF surveys. The program was developed to assess the potential for gold mineralization of the type found at Grew Creek or that related to subsidiary structures of the Tintina Fault system. Field work was carried out by a nine man crew during the period May 13 to 26, 1988. Base camp for the operation was located within the claims on the north side of Bruce Lake. Supplies and expediting services were provided by Ross River Service Centre Ltd.

Control for the various surveys was established by compass and "hip chain" on lines laid out at 020° from the Campbell Highway. Line spacing was 400 meters. Tie lines were established as needed. Flagged stations were set at 23 meter intervals on cross lines. In all, 76.5 kilometers of cross lines and 14.2 kilometers of base and tie lines were laid out over the area between Campbell Highway and the north edge of the claim block. The flat, heavily overburden covered area south of the highway was prospected but not sampled.

VII. PROPERTY GEOLOGY (Fig. 3)

Over 90% of the claim area is covered by a thin veneer of soils and glacial debris. Scattered outcrop is found along the Campbell Highway, around the lakes at the west end of the grid, above the highway on lines 48, 52 and 56, west of Bruce Creek, and along the Pelly River. Virtually all outcrops examined were of rocks included in the Klondike Schist sequence (PP_{k2}). These included black siliceous and rusty sericitic phyllite (K2p, dark chloritic amphibolite (K2a), and rusty weathering quartzite (K2q).

On line 88 East, west of Bruce Lake, trenching carried out in 1975 reveals sericitic phyllite, sheared amphibolite and quartzite (fig. 4). At least three phases of deformation are evident in these rocks. F_1 is manifested by well developed foliation in all lithologies; F_2 is evident in a folding of F_1 foliation within phyllites; F_3 is revealed by kink bands cutting F_2 folds. Dominant alteration includes pervasive sericitization of phyllites and chloritization of amphibolites. Massive to sucrosic quartz veining is common within sericitized rocks. Pyrite is a rare component of veins and sericitized rocks, but widespread limonite staining and gypsum patches attest to pyrite zones below the weathered zone (rock samples 3004 to 3014 incl.).

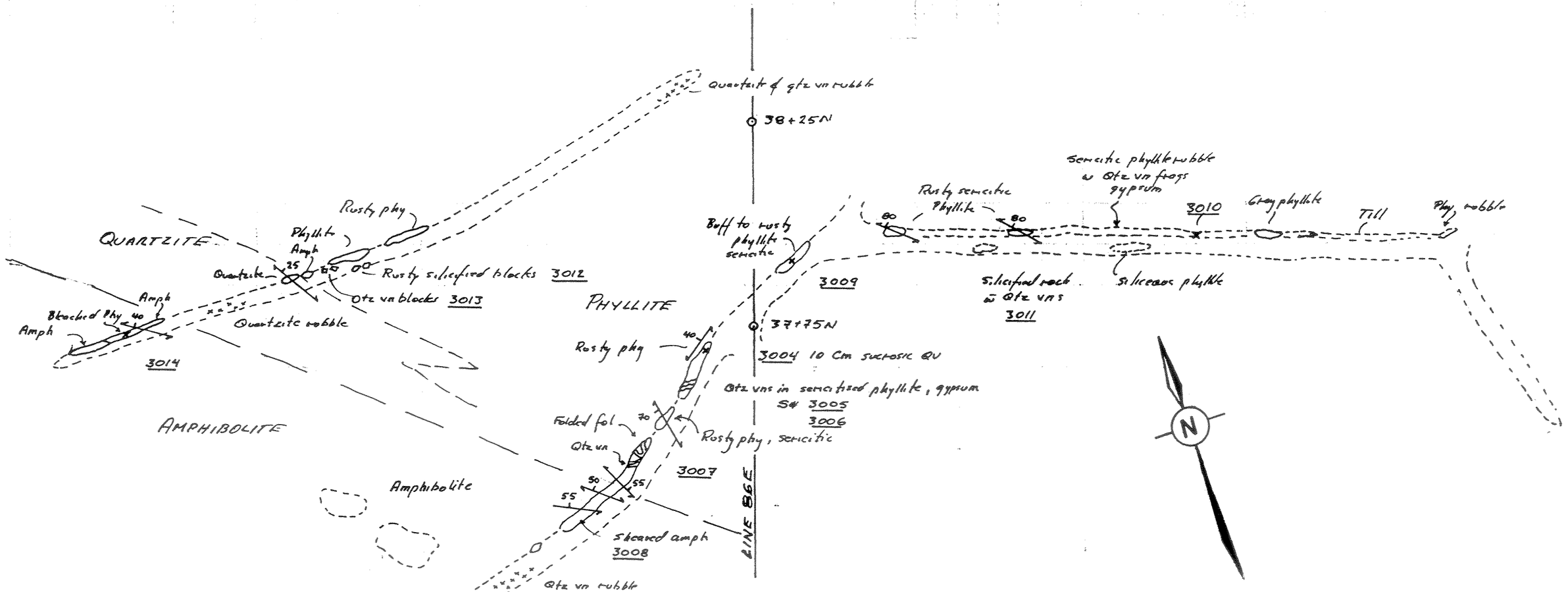
Rusty quartzite, quartzite breccias and quartz veins were examined near 40 north on line 40E (rock samples 3035-3038).

Above the highway between lines 48 and 60 east foliated amphibolite is exposed. These are dark green chloritic rocks. Again three phases of deformation are evident. A characteristic feature of these rocks are numerous quartz boudins developed along F_1 foliation. These are of a coarse white quartz with rare pyrite. Stockwork veining and quartz healed breccias are evident on a very local level in some outcrops (rock samples 3001 to 3003, 3015 & 3016).

Another area of relatively good exposure is along the Pelly River cliffs at the east end of the property. Of note here is a lamprophyre dyke cutting marble, pyritic quartzite and pyritic phyllite (samples 3028 to 3032 incl.).

In general, the Klondike schist package shows foliation aligned in an east-west to sothwest direction. Early quartz veining with rare sulphides is parallel to F_1 foliation and boudinaged along F_2 fold axes. Late quartz veining is sparsely developed in rusty quartzite and phyllites.

No evidence of felsic Tertiary volcanic rocks was seen on the Tint property. The nearest exposures of this lithology are those on the Lukeshone claims located about one kilometer south of the property boundary. Topographic features suggest that these rocks may extend to the north of Bruce Lake in the vicinity of lines 112 and 116. Close prospecting over this area revealed only heavy overburden.



ROCK GEOCHEMISTRY

			As ppm	Au ppb	Ag ppm
3004	10 Cm	sucrosic qtz vn in phyllite	4	3	0.4
3005	2m	sericitic phy, 20% qtz vein	7	2	0.8
3006	40cm	sellected qtz vn from 3005	2	12	0.5
3007	20cm	qtz vn, 2% ser. banded	3	2	0.2
3008	30cm	qtz chlorite vein	1	1	0.6
3009	1.0m	Sericitized phy w 10% qtz vn	6	2	1.1
3010	1.0m	sericitized phyllite	27	10	0.5
3011		Rusty silicified rock w qtz vns	5	7	0.9
3012		Rusty silicified blocks	4	2	0.9
3013		Qtz vein black, sucrosic mn stain	2	1	0.3
3014	1.0m	Bleached argillized phyllite	3	1	1.1

0 10 20 30 40 50 60

METERS

WELCOME NORTH MINES LTD
VANCOUVER BRITISH COLUMBIA

TINT CLAIMS

GEOLOGY OF TRENCHES
FIG. 4

Work by : Robert Potter	N.T.S. – 105 G/6 & 11
Drawn by : Robert Potter	Scale : 1 : 1000
Date : Sept., 1988	Rev.

VIII. GEOCHEMISTRY

A total of 1147 B horizon soil samples and 35 rock samples were collected on the Tint claims. Soils were packed in kraft envelopes and field dried. All samples were shipped to Min-En Laboratories of North Vancouver, B.C., for preparation and anlayses according to the procedures given in Appendix I.

No significant gold anomalies were detected in rocks. The highest value obtained was 27 ppb in a chip sample of rusty quartzite from grid coordinates 38N, 39E (sample #3035). The silver and arsenic values for this sample were 0.3 and 7 ppm respectively. The average gold content of the 35 rocks was 4.51 ppb; standard deviation was 5.31 ppb.

Silver results from rocks were also very low with a mean of 0.6 and standard deviation of 0.48. A high of 2.7 ppm Ag was detected in a 0.8 cm wide chalcedonic quartz vein cutting siliceous phyllite at 21.5 north, 128 east (sample #3020). Gold and arsenic contents of this sample were 5 ppb and 2 ppm.

As with the other elements, arsenic was not detected at any significantly anomalous level in rocks. The highest value, of 27 ppm (sample #3010) was from sericitic phyllite collected in the old trench at 38N, 89E. Corresponding arsenic and silver are 10 and 0.5.

Soil sample results for the three elements are presented in Figure 3, which is a property wide 1:10,000 scale geological and geochemical map. No significant anomalies were detected for gold or silver. Gold values in soils range from the 5 ppb detection limit to 375 ppb. Most gold results were at or below the detection limit. Twenty-four samples had gold contents of 20 ppb (threshold) 17 samples were above this; most of these (12) in the 25 to 35 ppb range. The two highest values were 195 (47N, 44E) and 375 (29N, 136E). Of negative significance is the fact that anomalous values were scattered evenly over the grid with no areas of concentration. Note also that none of the anomalous golds are supported by high values in silver or arsenic.

Silver shows a similar scattering of low level anomalous values (threshold 1.0 ppm). A high of 8.7 Ag was detected in the sample from 43+50N, 56E.

Arsenic shows a weak concentration of high values along line 92E immediately west of Bruce Creek at the northern end of lines 108E and 112E. No supporting silver or gold values have been detected here.

IX. GEOPHYSICS (see de Carle report)

Concurrent VLF and magnetic readings were taken at 25 meter stations along selected grid lines. this work was conducted under contract by P. Walcott and Associates of Surrey, B.C. Instruments used included:

- EDA Omni Plus System
- EDA Omni Base Magnetometer

A magnetic base station was set up on the south edge of the grid to record diurnal fluctuations in the total magnetic field for correction of traverse data.

Time allocated to the program did not permit complete coverage of the grid. Coverage and results of the magnetic survey are presented in Figure 5. the magnetic pattern is relatively flat (range in total field about 500 gammas). No major structural or lithological breaks are indicated. Within the limited area surveyed there is no evidence of volcanic terrain.

No clear results were obtained from the VLF-EM survey.

APPENDIX I

ANALYTICAL PROCEDURES

PHONE 980-5814

MIN-EN Laboratories Ltd.

Specialists in Mineral Environments

Corner 15th Street and Bewicke
705 WEST 15TH STREET
NORTH VANCOUVER, B.C.
CANADA V7M 1T2

GOLD GEOCHEMICAL ANALYSIS BY MIN-EN LABORATORIES LTD.

Geochemical samples for Gold processed by Min-En Laboratories Ltd., at 705 W. 15th St., North Vancouver Laboratory employing the following procedures.

After drying the samples at 95°C soil and stream sediment samples are screened by 80 mesh sieve to obtain the minus 80 mesh fraction for analysis. The rock samples are crushed and pulverized by ceramic plated pulverizer.

A suitable sample weight 5.0 or 10.0 grams are pretreated with HNO_3 and $HClO_4$ mixture.

After pretreatments the samples are digested with Aqua Regia solution, and after digestion the samples are taken up with 25% HCl to suitable volume.

Further oxidation and treatment of at least 75% of the original sample solutions are made suitable for extraction of gold with Methyl Iso-Butyl Ketone.

With a set of suitable standard solution gold is analysed by Atomic Absorption instruments. The obtained detection limit is 0.005 ppm (5ppb).

PHONE 980-5814

MIN-EN Laboratories Ltd.
Specialists in Mineral Environments
Corner 15th Street and Bewicke
705 WEST 15th STREET
NORTH VANCOUVER, B.C.
CANADA

ANALYTICAL PROCEDURE REPORTS FOR ASSESSMENT WORK.

PROCEDURES FOR, Cu, Mo, Cd, Pb, Mn, Ni, Ag, Zn,

Samples are processed by Min-En Laboratories Ltd. at 705 W. 15th St., North Vancouver Laboratory employing the following procedures.

After drying the samples at 95°C soil and stream sediment samples are screened by 80 mesh sieve to obtain the minus 80 mesh fraction for analysis. The rock samples are crushed by jaw crusher and pulverized by ceramic plated pulverizer.

1.0 gram of the samples are digested for 6 hours with HNO_3 and $HClO_4$ mixture.

After cooling samples are diluted to standard volume. The solutions are analysed by Atomic Absorption Spectrophotometers.

Copper, lead, zinc, silver, cadmium, cobalt, nickel and manganese are analysed using the CH_2H_2-Air flame combination but the molybdenum determination is carried out by C_2H_2-N_2O gas mixture directly or indirectly (depending on the sensitivity and detection limit required) on these sample solutions.

Background corrections for Pb, Ag, Cd upon request are completed.

PHONE: (604) 980-5814 or 988-4524 TELEX: 04-352828

MIN-EN Laboratories Ltd.

Specialists in Mineral Environments

Corner 15th Street and Bewicke
705 WEST 15TH STREET
NORTH VANCOUVER, B.C.
CANADA V7M 1T2

Analytical Procedure Report for Assessment Work

31 Element ICP

Ag, Al, As, B, Ba, Be, Bi, Ca, Cd, Co, Cu, Fe, K, Li, Mg, Mn, Mo, Na, Ni, P, Pb, Sb, Sr, Th, U, V, Zn, Ga, Sn, W, Cr

Samples are processed by Min-En Laboratories Ltd., at 705 West 15th Street, North Vancouver, employing the following procedures.

After drying the samples at 95°C soil and stream sediment samples are screened by 80 mesh sieve to obtain the minus 80 mesh fraction for analysis. The rock samples are crushed by a jaw crusher and pulverized by ceramic plated pulverizer or ring mill pulverizer.

1.0 gram of the sample is digested for 4 hours with an aqua regia $HClO_4$ mixture.

After cooling samples are diluted to standard volume. The solutions are analysed by computer operated Jarrall Ash 9000 ICAP or Jobin Yvon 70 Type II Inductively Coupled Plasma Spectrometers. Reports are formatted and printed using a dot-matrix printer.

PHONE: (604) 980-5814 or 988-4524

TELEX: 04-352828

MIN-EN Laboratories Ltd.

Specialists in Mineral Environments

Corner 15th Street and Bewicke
705 WEST 15TH STREET
NORTH VANCOUVER, B.C.
CANADA V7M 1T2

ANALYTICAL PROCEDURE REPORT FOR ASSESSMENT WORK

PROCEDURE FOR ARSENIC:

Samples are processed by Min-En Laboratories Ltd., at 705 West 15th St., North Vancouver Laboratory employing the following procedures.

After drying the samples at 95°C soil and stream sediment samples are screened by 80 mesh sieve to obtain the minus 80 mesh fraction for analysis. The rock samples are crushed by a jaw crusher and pulverized by ceramic plated pulverizer.

1.0 gram of the samples are digested for 6 hours with HN03 and HCL04 mixture.

After cooling samples are diluted to standard volume. A suitable aliquote is taken from the above 1 gram sample solution and the test is carried out by Gutzit method using Ag CS_2N $(C_2H_5)_2$ as a reagent. The detection limit obtained is 1. ppm.

PHONE: (604) 980-5814 or 988-4524

TELEX: 04-352828

MIN-EN Laboratories Ltd.

Specialists in Mineral Environments

Corner 15th Street and Bewicke
705 WEST 15TH STREET
NORTH VANCOUVER, B.C.
CANADA V7M 1T2

ASSESSMENT REPORT FOR:

HEAVY MINERAL SAMPLING AND CONCENTRATIONS

A large sample is collected from stream sediments or soils big enough to yield a minimum of 0.5 kg of the desired minus fraction. After sieving through any of the sieve mesh sizes they are adapted for the survey. After seiving the samples, the minus fraction is grinded to -80 mesh.

Then 0.4 kg of sample is weighed into a suitable centrifuge containers. The prepared concentrations of liquids are added to obtain a 3.1 specific gravity flotation.

The heavy fractions are then washed cleaned and dried. After drying the samples they are separated . The sink float Heavy Minerals are separated into Magnetic and Non Magnetic fractions and both fractions are weighed. The percent of the Magnetic and non Magnetic fractions are calculated and reported with the analytical data.

The analysis are than carried out in the ususal analytical manner by I.C.P. or A.A. method.

PHONE: (604) 980-5814 or 988-4524

TELEX: 04-35282

MIN-EN Laboratories Ltd.

Specialists in Mineral Environments

Corner 15th Street and Bewicke
705 WEST 15TH STREET
NORTH VANCOUVER, B.C.
CANADA V7M 1T2

FIRE GOLD GEOCHEMICAL ANALYSIS BY MIN-EN LABORATORIES LTD.

Geochemical samples for Fire Gold processed by Min-En Laboratories Ltd., at 705 W. 15th St., North Vancouver Laboratory employing the following procedures.

After drying the samples at 95°C soil and stream sediment samples are screened by 80 mesh sieve to obtain the minus 80 mesh fraction for analysis. The rock samples are crushed and pulverized by ceramic plated pulverizer.

A suitable sample weight 15.00 or 30.00 grams are fire assay preconcentrated.

After pretreatments the samples are digested with Aqua Regia solution, and after digestion the samples are taken up with 25% HCl to suitable volume.

Further oxidation and treatment of at least 75% of the original sample solutions are made suitable for extraction of gold with Methyl Iso-Butyl Ketone.

With a set of suitable standard solution gold is analysed by Atomic Absorption instruments. The obtained detection limit is 1 ppb.

APPENDIX II

ANALYTICAL CERTIFICATES

MIN-EN LABORATORIES LTD.

Specialists in Mineral Environments

705 West 15th Street North Vancouver, B.C. Canada V7M 1T2

PHONE:(604)980-5814 OR (604)988-4524 TELEX:VIA USA 7601067 UC

Certificate of GEOCHEM

Company:WELCOME NORTH MINES
Project:TINTINA -
Attention:J.S.BROCK

TINT

File:8-665/P1
Date:JUNE 11/88
Type:SOIL GEOCHEM

We hereby certify the following results for samples submitted.

Sample Number	AG PPM	AS PPM	AU-WET PPB
T-RR AS OW 100N	0.3	19	5
T-RR AS OW 075N	0.2	62	5
T-RR AS OW 050N	0.4	275	5
T-RR AS OW 025N	0.6	60	10
T-RR AS OW 000N	0.3	625	5
T-RR AS OW 025S	1.1	625	50
T-RR AS OW 050S	0.2	30	5
T-RR AS OW 075S	0.7	20	5
T-RR AS OW 100S	0.9	13	10
T-RR 48E 24+00N	0.2	22	5
T-RR 48E 24+50N	0.4	17	5
T-RR 48E 25+00N	0.3	28	5
T-RR 48E 25+50N	0.4	20	10
T-RR 48E 26+00N	0.6	21	5
T-RR 48E 26+50N	0.2	28	5
T-RR 48E 27+00N	0.5	20	15
T-RR 52E 24+00N	0.2	10	5
T-RR 52E 24+50N	0.3	17	5
T-RR 52E 25+00N	0.6	16	10
T-RR 52E 25+50N	0.7	31	10
T-RR 52E 26+00N	0.4	24	5
T-RR 52E 26+50N	0.2	13	5
T-RR 52E 27+00N	0.5	14	5

TINT

Certified by _____

MIN-EN LABORATORIES LTD.

MIN-EN LABORATORIES LTD.

SPECIALISTS IN MINERAL ENVIRONMENTS
CHEMISTS • ASSAYERS • ANALYSTS • GEOCHEMISTS

JUN 24 1988

705 WEST 15TH STREET
NORTH VANCOUVER, B.C. CANADA V7M 1T2
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TIMMINS OFFICE:
33 EAST IROQUOIS ROAD
P.O. BOX 867
TIMMINS, ONTARIO CANADA P4N 7G7
TELEPHONE: (705) 264-9996

Certificate of GEOCHEM

Company: WELCOME NORTH MINES
Project: TINTINA
Attention: J.S.BROCK

File: 8-665/P2
Date: JUNE 13/88
Type: SOIL GEOCHEM

We hereby certify the following results for samples submitted.

Sample Number	AG PPM	AS PPM	AU-WET PPB
T-RR AS OW 100N	0.6	20	5
T-RR AS OW 075N	0.5	58	5
T-RR AS OW 050N	0.5	250	5
T-RR AS OW 025N	0.6	71	10
T-RR AS OW 000N	0.7	600	5
T-RR AS OW 025S	0.5	600	105
T-RR AS OW 050S	0.3	36	5
T-RR AS OW 075S	0.4	24	10
T-RR AS OW 100S	0.6	12	5
T-RR 48E 24+00N	0.5	23	5
T-RR 48E 24+50N	0.5	19	5
T-RR 48E 25+00N	0.4	36	5
T-RR 48E 25+50N	0.6	24	10
T-RR 48E 26+00N	1.2	23	5
T-RR 48E 26+50N	0.9	33	5
T-RR 48E 27+00N	0.7	23	5
T-RR 52E 24+00N	0.4	11	10
T-RR 52E 24+50N	0.7	17	10
T-RR 52E 25+00N	0.5	18	5
T-RR 52E 25+50N	0.6	31	5
T-RR 52E 26+00N	0.4	26	5
T-RR 52E 26+50N	0.4	14	5
T-RR 52E 27+00N	0.3	15	5

TINT

Certified by _____

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Certificate of GEOCHEM

Company: WELCOME NORTH MINES
Project: ROSS RIVER-6 TINT
Attention: J. BROCK/R. POTTER

File: 8-630/P1
Date: JUNE 7/88
Type: ROCK GEOCHEM

We hereby certify the following results for samples submitted.

Sample Number	AG PPM	AS PPM	AU-FIRE PPB
3034	0.6	10	5
3035	0.3	7	27
3036	0.2	7	3
3037	0.3	22	1
3038	0.2	13	8

Certified by _____

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TELEPHONE: (705) 264-9996

Certificate of GEOCHEM

Company: WELCOME NORTH MINES
Project: ROSS RIVER-6 T/N T
Attention: J.S.BROCK/R.POTTER

File: B-610/P1
Date: JUNE 5/88
Type: ROCK GEOCHEM

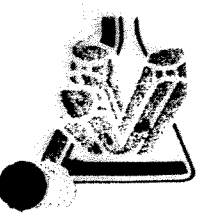
We hereby certify the following results for samples submitted.

Sample Number	AG PPM	AS PPM	AU-FIRE PPB
3025	1.5	9	2
3026	0.4	6	60
3027	0.2	3	15
3028	0.4	4	4
3029	0.6	5	1
3030	0.3	9	6
3031	1.0	8	5
3032	1.2	8	10

Certified by _____

MIN-EN LABORATORIES LTD.

FILE TINT



• EN LABORATORIES LTD.

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TIMMINS, ONTARIO CANADA P4N 7G7
TELEPHONE: (705) 264-9996

Certificate of Geochem

Company: WELCOME NORTH MINES
Project: ROSS RIVER-6
Attention: JOHN BROCK

File: 8-610/P6
Date: JUNE 7/88
Type: SOIL GEOCHEM

We hereby certify the following results for samples submitted.

Sample Number	AG PPM	AS PPM	AU PPB	
LK96E 5500N	0.5	8	5	KEPI
LT108E 4850N	0.6	6	25	TINT
LT108E 4900N	0.7	4	10	"
LT108E 5150N	0.4	16	20	"
LT108E 5200N	0.3	14	15	"
LT108E 5250N	0.8	20	5	"
LT108E 5300N	0.6	18	5	"
LT108E 5350N	0.7	8	5	"
LT108E 5400N	2.1	6	5	"
LT108E 5450N	0.7	13	5	"
LT108E 5500N	0.6	14	5	"
LT108E 5550N	0.5	17	5	"
LT124E 3550N	0.3	3	5	"
LT124E 3600N	0.4	6	10	"
LT124E 3650N	0.6	9	10	"
LT124E 3700N	0.7	4	5	"
LT124E 3750N	0.5	7	5	"
LT124E 4000N	0.6	6	5	"
LT124E 4150N	0.3	9	5	"
LT124E 4200N	0.4	15	10	"
LT124E 4250N	0.7	11	5	"
LT124E 4300N	0.5	18	5	"
LT124E 4350N	0.4	19	5	"
LT124E 4400N	0.7	18	5	"
LT124E 4450N	0.8	23	5	"
LT124E 4500N	0.6	14	5	"
LT124E 4600N	0.7	4	5	"
LT124E 4650N	0.5	19	10	"
LT124E 4700N	0.3	6	5	"
LT124E 4750N	0.8	18	5	"

Certified by _____

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VANCOUVER OFFICE:
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P.O. BOX 867
TIMMINS, ONTARIO CANADA P4N 7G7
TELEPHONE: (705) 264-9996

Certificate of Geochem

Company: WELCOME NORTH MINES
Project: ROSS RIVER-6 TINT
Attention: JOHN BROCK

File: 8-610/P7
Date: JUNE 7/88
Type: SOIL GEOCHEM

We hereby certify the following results for samples submitted.

Sample Number	AG PPM	AS PPM	AU PPB
LT124E 4800N	0.6	8	5
LT124E 4850N	0.5	28	5
LT124E 4900N	0.8	12	5
LT124E 4950N	0.7	25	10
LT124E 5000N	0.6	19	5
LT128E 1550N	0.4	7	5
LT128E 1600N	0.5	12	5
LT128E 1650N	0.4	4	5
LT128E 1700N	0.3	8	5
LT128E 1750N	0.5	10	5
LT128E 1800N	0.7	9	10
LT128E 1850N	0.6	7	15
LT128E 1900N	0.8	11	10
LT128E 1950N	0.6	21	5
LT128E 2000N	0.4	11	5
LT132E 1500N	0.7	3	5
LT132E 1550N	0.5	14	10
LT132E 1650N	0.8	3	5
LT132E 1700N	0.6	3	5
LT132E 1750N	0.4	13	5
LT132E 1800N	0.8	5	5
LT132E 1850N	0.5	8	10
LT132E 1900N	0.4	13	5
LT132E 1950N	0.6	8	5

Certified by _____

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CHEMISTS • ASSAYERS • ANALYSTS • GEOCHEMISTS

VANCOUVER OFFICE:
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TIMMINS OFFICE:
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P.O. BOX 867
TIMMINS, ONTARIO CANADA P4N 7G7
TELEPHONE: (705) 264-9996

Certificate of GEOCHEM

Company: WELCOME NORTH MINES
Project: ROSS RIVER - 6 TINT CLAIMS
Attention: J.BROCK/R.POTTER

File: 8-588/P1
Date: MAY 30/88
Type: ROCK GEOCHEM

We hereby certify the following results for samples submitted.

Sample Number	AG PPM	AS PPM	AU-FIRE PPB
3001	0.2	3	2
3002	0.5	2	1
3003	0.3	2	7
3004	0.4	4	3
3005	0.8	7	2
3006	0.5	2	12
3007	0.2	3	2
3008	0.6	1	1
3009	1.1	6	2
3010	0.5	27	10
11	0.9	5	1
3012	0.9	4	2
3013	0.3	2	1
3014	1.1	3	1
3015	0.6	14	8
3016	0.3	4	3
3017	0.5	2	2
3018	0.4	2	1
3019	0.4	15	1
3020	2.7	2	5
3021	0.9	2	2
3022	0.6	2	1
3023	1.2	2	2
3024	0.4	2	1

Certified by _____

MIN-EN LABORATORIES LTD.

MIN-EN LABORATORIES LTD.

SPECIALISTS IN MINERAL ENVIRONMENTS
CHEMISTS • ASSAYERS • ANALYSTS • GEOCHEMISTS

VANCOUVER OFFICE:
705 WEST 15TH STREET
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33 EAST IROQUOIS ROAD
P.O. BOX 867
TIMMINS, ONTARIO CANADA P4N 7G7
TELEPHONE: (705) 264-9996

Certificate of GEOCHEM

Company: WELCOME NORTH MINES
Project: ROSS RIVER - 6 TINT
Attention: J. BROCK/R. POTTER

File: 8-588/P1
Date: MAY 31/88
Type: SOIL GEOCHEM

We hereby certify the following results for samples submitted.

Sample Number		AG PPM	AS PPM	AU-WET PPB
LT-40E 19+00N		0.4	18	5
LT-40E 19+50N		0.5	17	5
LT-40E 20+00N		0.8	17	5
LT-40E 20+50N		1.2	23	5
LT-40E 21+00N		0.5	18	5
LT-40E 21+50N		0.4	18	5
LT-40E 22+00N		0.6	20	5
LT-40E 22+50N		0.5	7	10
LT-40E 23+00N		0.4	1	5
LT-40E 23+50N		0.9	5	20
LT-40E 24+00N		0.4	1	5
LT-40E 24+50N		0.6	16	5
LT-40E 25+00N		0.5	2	10
LT-40E 25+50N		0.7	7	5
LT-40E 26+00N		0.4	2	10
LT-40E 26+50N		0.4	2	5
LT-40E 27+00N		0.6	10	5
LT-40E 27+50N		0.4	12	10
LT-40E 28+50N		0.6	10	5
LT-40E 29+00N		0.5	12	10
LT-40E 29+50N		0.4	1	5
LT-40E 30+00N		0.7	17	5
LT-40E 30+50N		0.4	5	10
LT-40E 31+00N		0.4	1	10
LT-40E 25+00N	DUP.	0.6	13	10
LT-40E 34+50N		0.2	5	5
LT-40E 35+00N		0.3	5	5
LT-40E 38+50N		0.3	1	5
LT-40E 39+00N		0.5	5	5
LT-40E 39+50N		0.2	1	5

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TELEPHONE: (705) 264-9996

Certificate of GEOCHEM

Company: WELCOME NORTH MINES
Project: ROSS RIVER - 6 TINT CLAIMS
Attention: J.BROCK/R.POTTER

File: 8-588/P2
Date: MAY 31/88
Type: SOIL GEOCHEM

We hereby certify the following results for samples submitted.

Sample Number	AG PPM	AS PPM	AU-WET PPB
LT-40E 42+50N	0.3	2	5
LT-40E 43+00N	0.5	3	5
LT-40E 43+50N	0.5	1	10
LT-40E 45+50N	0.7	1	10
LT-40E 46+50N	0.6	1	10
LT-40E 48+00N	0.7	5	5
LT-40E 51+50N	0.3	1	5
LT-44E 20+00N	0.2	2	5
LT-44E 20+50N	0.4	6	5
LT-44E 21+00N	0.6	13	10
LT-44E 21+50N	0.8	17	5
LT-44E 22+00N	0.4	22	5
LT-44E 22+50N	0.9	15	15
LT-44E 23+00N	0.3	18	10
LT-44E 23+50N	0.4	14	20
LT-44E 24+00N	0.5	17	10
LT-44E 24+50N	0.8	5	5
LT-44E 25+00N	0.2	11	5
LT-44E 25+50N	0.3	15	5
LT-44E 26+00N	0.3	7	5
LT-44E 26+50N	0.4	14	5
LT-44E 27+00N	0.6	9	5
LT-44E 27+50N	0.2	16	35
LT-44E 28+00N	0.2	17	5
LT-44E 28+50N	0.5	4	10
LT-44E 29+00N	0.8	9	10
LT-44E 29+50N	0.7	12	5

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Certificate of GEOCHEM

Company: WELCOME NORTH MINES
Project: ROSS RIVER 6
Attention: J.BROCK/R.POTTER TINT CLAIMS

File: 8-588/P3&4
Date: JUNE 2/88
Type: SOIL GEOCHEM

We hereby certify the following results for samples submitted.

Sample Number	AG PPM	AS PPM	AU-WET PPB
LT-44E 33+50E	0.4	3	5
LT-44E 34+00E	0.3	7	5
LT-44E 34+50E	0.6	11	10
LT-44E 36+50N	0.4	9	5
LT-44E 37+00N	0.5	6	5
LT-44E 37+50N	0.4	9	5
LT-44E 38+00N	0.4	8	5
LT-44E 38+50N	0.4	10	5
LT-44E 39+00N	0.3	14	5
LT-44E 40+00N	0.7	8	10
LT-44E 41+50N	0.5	10	5
LT-44E 43+00N	0.3	12	5
LT-44E 43+50N	0.6	16	5
LT-44E 44+00N	0.5	13	10
LT-44E 45+00N	0.5	12	5
LT-44E 45+50N	0.4	13	10
LT-44E 46+50N	0.4	12	10
LT-44E 47+00N	0.4	15	195
LT-44E 48+00N	0.5	16	5
LT-44E 49+00N	0.5	16	5
LT-44E 49+50N	1.0	15	5
LT-44E 51+50N	0.6	14	5
LT-44E 52+00N	0.8	18	5
LT-44E 52+50N	0.5	20	10
LT-44E 53+00N	0.5	5	9
LT-44E 53+50N	0.3	11	10
LT-44E 54+00N	0.6	21	10
LT-44E 54+50N	0.9	20	5
LT-44E 55+50N	0.7	9	5
LT-48E 20+50N	0.8	21	5

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Certificate of Geochem

Company: WELCOME NORTH MINES
Project: ROSS RIVER 6 TINT
Attention: J. BROCK/R. POTTER

File: 8-588/P5
Date: JUNE 2/88
Type: SOIL GEOCHEM

We hereby certify the following results for samples submitted.

Sample Number	AG PPM	AS PPM	AU-WET PPB
LT-48E 21+50N	0.8	17	10
LT-48E 22+00N	0.6	16	15
LT-48E 22+50N	1.2	19	5
LT-48E 23+00N	0.6	19	5
LT-48E 23+50N	0.5	15	10
LT-48E 24+00N	0.7	14	5
LT-48E 24+50N	0.6	19	5
LT-48E 25+00N	0.4	16	60
LT-48E 25+50N	0.5	13	5
LT-48E 26+00N	0.5	17	5
LT-48E 26+50N	0.5	17	5
LT-48E 27+00N	0.2	12	5
LT-48E 27+50N	0.5	8	5
LT-48E 28+00N	0.4	1	5
LT-48E 28+50N	0.4	10	5
LT-48E 29+00N	0.4	5	5
LT-48E 30+00N	0.2	1	10
LT-48E 30+50N	0.3	3	5
LT-48E 35+00N	0.3	6	15
LT-48E 35+50N	0.4	8	5
LT-48E 36+00N	0.5	5	5
LT-48E 36+50N	0.6	15	5
LT-48E 37+50N	0.4	7	5
LT-48E 38+00N	0.8	8	5
LT-48E 39+00N	0.5	10	10
LT-48E 40+50N	0.5	9	5
LT-48E 43+50N	0.5	1	5
LT-48E 44+00N	0.1	1	10
LT-48E 44+50N	0.6	16	5
LT-48E 49+00N	0.4	10	5

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Company: WELCOME NORTH MINES
Project: ROSS RIVER 6 TINT
Attention: J.BROCK/R.POTTER

File: 8-588/P6
Date: JUNE 2/88
Type: SOIL GEOCHEM

We hereby certify the following results for samples submitted.

Sample Number	AG PPM	AS PPM	AU-WET PPB
LT-48E 53+00N	0.3	18	5
LT-48E 53+50N	0.4	19	5
LT-52E 22+00N	0.5	14	10
LT-52E 22+50N	0.6	20	5
LT-52E 23+00N	0.5	7	5
LT-52E 23+50N	0.6	19	5
LT-52E 24+00N	0.4	6	5
LT-52E 24+50N	0.4	16	5
LT-52E 25+00N	0.5	9	10
LT-52E 25+50N	0.6	23	5
LT-52E 26+00N	0.3	20	5
LT-52E 26+50N	0.3	8	10
LT-52E 27+00N	0.4	7	5
LT-52E 27+50N	0.4	9	15
LT-52E 28+00N	0.5	11	5
LT-52E 28+50N	0.5	5	5
LT-52E 29+00N	0.8	15	5
LT-52E 29+50N	0.4	5	10
LT-52E 30+00N	0.6	17	5
LT-52E 30+50N	0.7	8	15
LT-52E 32+50N	0.6	9	15
LT-52E 33+00N	0.9	5	10
LT-52E 33+50N	0.4	5	5
LT-52E 34+00N	0.3	5	5
LT-52E 34+50N	0.3	6	5
LT-52E 35+00N	0.5	6	10
LT-52E 35+50N	0.8	16	5
LT-52E 36+50N	0.6	7	25
LT-52E 37+00N	0.6	10	10
LT-52E 37+50N	0.5	9	5

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Company: WELCOME NORTH MINES
Project: ROSS RIVER 6 TINT
Attention: J.BROCK/R.POTTER

File: 8-588/P7
Date: JUNE 2/88
Type: SOIL GEOCHEM

We hereby certify the following results for samples submitted.

Sample Number	AG PPM	AS PPM	AU-WET PPB
LT-52E 40+50N	0.5	9	5
LT-52E 41+50N	0.8	9	5
LT-52E 42+00N	0.3	8	5
LT-52E 42+50N	0.3	10	15
LT-52E 44+00N	0.4	12	10
LT-52E 45+00N	0.5	11	5
LT-52E 46+00N	0.3	10	5
LT-52E 46+50N	0.4	17	5
LT-52E 47+00N	0.2	12	5
LT-52E 48+00N	0.4	9	25
LT-52E 48+50N	0.2	37	15
LT-52E 49+50N	0.8	10	10
LT-52E 50+00N	0.5	11	10
LT-52E 52+00N	0.5	11	5
LT-52E 52+50N	0.6	10	5
LT-52E 54+50N	0.7	12	10
LT-52E 55+50N	0.6	19	5
LT-56E 22+50N	0.4	4	10
LT-56E 23+00N	0.6	13	5
LT-56E 23+50N	0.8	19	5
LT-56E 24+00N	1.4	6	10
LT-56E 24+50N	0.4	8	5
LT-56E 25+00N	0.3	1	5
LT-56E 25+50N	0.4	2	5
LT-56E 26+00N	0.4	8	5
LT-56E 26+50N	0.3	9	5
LT-56E 27+00N	0.7	9	5
LT-56E 27+50N	0.6	10	5
LT-56E 28+00N	0.8	12	5
LT-56E 28+50N	0.6	8	5

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Company: WELCOME NORTH MINES
Project: ROSS RIVER 6 TINT
Attention: J.BROCK/R.POTTER

File: 8-588/P8
Date: JUNE 2/88
Type: SOIL GEOCHEM

We hereby certify the following results for samples submitted.

Sample Number	AG PPM	AS PPM	AU-WET PPB
LT-56E 29+00N	0.6	8	10
LT-56E 29+50N	0.6	16	5
LT-56E 31+50N	0.4	6	5
LT-56E 32+00N	0.5	10	5
LT-56E 32+50N	0.4	8	5
LT-56E 33+00N	0.5	10	10
LT-56E 34+00N	0.7	17	5
LT-56E 38+50N	0.3	5	5
LT-56E 39+00N	0.6	8	5
LT-56E 42+50N	1.3	20	5
LT-56E 43+50N	0.7	14	5
LT-56E 50+50N	0.5	10	10
LT-60E 23+50N	1.0	16	5
LT-60E 24+00N	0.4	16	5
LT-60E 24+50N	1.0	24	25
LT-60E 25+00N	0.9	19	15
LT-60E 25+50N	0.2	12	5
LT-60E 26+00N	0.5	15	15
LT-60E 26+50N	0.7	6	5
LT-60E 27+00N	0.6	5	10
LT-60E 28+00N	0.7	6	10
LT-60E 28+50N	0.8	14	5
LT-60E 29+00N	0.6	7	15
LT-60E 29+50N	0.5	8	5
LT-60E 30+00N	0.4	5	5
LT-60E 30+50N	0.5	6	10
LT-60E 31+00N	0.5	5	5
LT-60E 31+50N	0.4	7	5
LT-60E 32+00N	0.3	6	5
LT-60E 32+50N	0.2	5	5

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Certificate of Geochem

Company: WELCOME NORTH MINES
Project: ROSS RIVER 6 TINT
Attention: J.BROCK/R.POTTER

File: 8-588/P9
Date: JUNE 2/88
Type: SOIL GEOCHEM

We hereby certify the following results for samples submitted.

Sample Number	AG PPM	AS PPM	AU-WET PPB
LT-60E 35+50N	0.6	8	5
LT-60E 36+00N	0.4	11	5
LT-60E 38+00N	0.5	14	5
LT-60E 39+00N	0.7	13	10
LT-60E 39+50N	0.3	9	10
LT-60E 40+00N	0.5	14	5
LT-60E 40+50N	0.5	11	5
LT-60E 41+00N	0.6	12	5
LT-64E 25+00N	0.6	14	5
LT-64E 25+50N	0.7	18	5
LT-64E 26+00N	0.5	17	5
LT-64E 27+00N	0.9	4	10
LT-64E 27+50N	0.1	3	10
LT-64E 28+00N	0.2	1	5
LT-64E 28+50N	0.4	9	5
LT-64E 29+00N	0.9	16	5
LT-64E 29+50N	0.5	6	5
LT-64E 30+00N	0.5	6	5
LT-64E 30+50N	0.3	2	10
LT-64E 31+00N	0.4	6	5
LT-64E 31+50N	0.2	1	5
LT-64E 32+00N	0.2	5	5
LT-64E 32+50N	0.4	8	15
LT-64E 33+50N	0.4	3	20
LT-64E 35+00N	0.3	5	5
LT-64E 38+50N	0.2	3	25
LT-64E 39+50N	0.6	5	10
LT-64E 40+00N	0.6	6	10
LT-64E 40+50N	0.5	10	5
LT-64E 46+50N	0.3	10	1

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Certificate of Geochem

Company: WELCOME NORTH MINES
Project: ROSS RIVER 6 TINT
Attention: J. BROCK/R. POTTER

File: 8-588/P10
Date: JUNE 2/88
Type: SOIL GEOCHEM

We hereby certify the following results for samples submitted.

Sample Number	AG PPM	AS PPM	AU-WET PPB
LT-64E 49+50N	0.2	4	5
LT-64E 50+50N	0.6	12	5
LT-68E 26+00N	0.4	14	5
LT-68E 26+50N	0.6	9	5
LT-68E 27+00N	0.7	5	5
LT-68E 27+50N	0.6	14	10
LT-68E 28+00N	0.3	5	5
LT-68E 28+50N	0.5	8	5
LT-68E 29+00N	0.6	4	5
LT-68E 29+50N	0.6	6	5
LT-68E 30+00N	0.5	12	5
LT-68E 30+50N	0.3	8	5
LT-68E 31+00N	0.6	10	10
LT-68E 31+50N	0.6	8	5
LT-68E 32+00N	0.6	4	5
LT-68E 32+50N	0.7	10	5
LT-68E 33+00N	0.8	4	5
LT-68E 33+50N	0.6	9	5
LT-68E 34+00N	0.1	8	10
LT-68E 34+50N	0.4	6	5
LT-68E 35+50N	0.4	17	5
LT-68E 36+50N	0.7	20	15
LT-68E 37+00N	0.6	26	5
LT-68E 37+50N	0.4	8	10
LT-68E 38+00N	0.9	12	5

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Company: WELCOME NORTH MINES
Project: ROSS RIVER 6 TINT
Attention: J. BROCK/R. POTTER

File: 8-588/P11
Date: JUNE 2/88
Type: SOIL GEOCHEM

We hereby certify the following results for samples submitted.

Sample Number	AG PPM	AS PPM	AU-WET PPB
LT-68E 38+50N	0.9	9	5
LT-68E 39+00N	0.3	11	20
LT-68E 39+50N	0.4	7	5
LT-68E 40+00N	0.4	14	5
LT-68E 40+50N	0.3	23	5
LT-68E 41+00N	0.6	13	5
LT-68E 41+50N	2.6	20	10
LT-68E 42+00N	0.4	10	5
LT-68E 42+50N	1.0	23	5
LT-68E 43+00N	0.3	7	5
LT-68E 44+00N	0.4	4	5
LT-68E 44+50N	0.2	6	10
LT-68E 45+00N	0.2	3	5
LT-68E 45+50N	0.5	5	5
LT-68E 46+00N	0.6	17	5
LT-68E 47+00N	0.5	8	5
LT-68E 47+50N	0.5	7	5
LT-68E 48+00N	0.4	15	5
LT-68E 48+50N	0.6	20	5
LT-68E 49+00N	0.6	19	10
LT-68E 49+50N	0.7	19	5
LT-68E 50+00N	0.4	18	5
LT-68E 50+50N	0.2	18	5
LT-68E 51+00N	1.7	5	5
LT-68E 51+50N	0.4	3	5
LT-68E 52+00N	0.7	19	5

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TIMMINS OFFICE:
33 EAST IROQUOIS ROAD
P.O. BOX 867
TIMMINS, ONTARIO CANADA P4N 7G7
TELEPHONE: (705) 264-9996

Certificate of GEOCHEM

Company: WELCOME NORTH MINES
Project: ROSS RIVER 6 TINT
Attention: J.BROCK/R.POTTER

File: 8-588/P12
Date: JUNE 2/88
Type: SOIL GEOCHEM

We hereby certify the following results for samples submitted.

Sample Number	AU PPM	AS PPM	AU-WET PPB
LT-68E 54+00N	0.5	26	5
LT-68E 54+50N	0.4	20	5
LT-68E 55+00N	0.9	38	5
LT-68E 55+50N	0.3	39	10
LT-68E 56+00N	0.5	21	20
LT-68E 56+50N	0.4	22	5
LT-68E 57+00N	0.6	20	10
LT-72E 27+50N	0.4	8	5
LT-72E 28+00N	0.3	14	5
LT-72E 28+50N	0.3	5	5
LT-72E 29+00N	0.4	14	5
LT-72E 29+50N	0.5	6	5
LT-72E 30+00N	0.5	8	5
LT-72E 30+50N	0.3	2	10
LT-72E 31+00N	0.6	3	10
LT-72E 31+50N	0.4	5	5
LT-72E 32+00N	0.4	6	5
LT-72E 32+50N	0.5	27	5
LT-72E 33+00N	0.8	13	5
LT-72E 33+50N	0.6	2	10
LT-72E 35+00N	0.5	4	10
LT-72E 35+50N	0.3	2	20
LT-72E 36+00N	0.4	12	10
LT-72E 36+50N	0.4	2	5
LT-72E 37+00N	0.6	6	5
LT-72E 37+50N	0.5	7	5
LT-72E 38+00N	0.5	11	5

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Company: WELCOME NORTH MINES
Project: ROSS RIVER 6 TINT
Attention: J.BROCK/R.POTTER

File: 8-588/P13
Date: JUNE 2/88
Type: SOIL GEOCHEM

We hereby certify the following results for samples submitted.

Sample Number	AG PPM	AS PPM	AU-WET PPB
LT-72E 38+50N	0.6	5	5
LT-72E 39+00N	0.6	27	10
LT-72E 39+50N	0.4	7	5
LT-72E 40+00N	0.4	7	5
LT-72E 40+50N	0.3	8	5
LT-72E 41+00N	0.4	17	5
LT-72E 49+00N	0.6	22	20
LT-72E 49+50N	0.7	21	10
LT-72E 50+00N	0.6	13	5
LT-72E 52+00N	0.5	20	5
LT-72E 52+50N	0.2	6	10
LT-72E 53+00N	0.4	37	5
LT-72E 53+50N	0.5	25	5
LT-72E 56+00N	0.4	13	5
LT-72E 57+00N	0.3	9	5
LT-72E 57+50N	0.4	22	10
LT-72E 58+50N	0.6	23	5
LT-80E 28+00N	0.8	35	5
LT-80E 28+50N	0.4	4	5
LT-80E 29+00N	0.3	3	5
LT-80E 29+50N	0.4	3	10
LT-80E 30+00N	0.3	3	5
LT-80E 30+50N	0.4	11	5
LT-80E 31+00N	0.3	2	20
LT-80E 31+50N	0.5	13	10
LT-80E 32+00N	0.4	4	5
LT-80E 32+50N	0.6	9	10
LT-80E 33+00N	0.3	2	5
LT-80E 33+50N	0.6	5	5
LT-80E 34+00N	0.5	2	10

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Certificate of Geochem

Company: WELCOME NORTH MINES
Project: ROSS RIVER 6 TINT
Attention: J.BROCK/R.POTTER

File: 8-588/P14
Date: JUNE 2/88
Type: SOIL GEOCHEM

We hereby certify the following results for samples submitted.

Sample Number	AG PPM	AS PPM	AU-WET PPB
LT-80E 34+50N	0.3	2	5
LT-80E 35+00N	0.4	3	5
LT-80E 35+50N	0.3	2	5
LT-80E 36+00N	0.4	2	10
LT-80E 36+50N	0.7	9	5
LT-80E 37+00N	0.5	10	5
LT-80E 37+50N	0.5	1	5
LT-80E 38+00N	0.3	5	10
LT-80E 38+50N	0.6	3	5
LT-80E 39+00N	0.1	7	5
LT-80E 39+50N	0.5	5	5
LT-80E 40+00N	0.4	2	5
LT-80E 40+50N	0.2	1	5
LT-80E 41+00N	0.2	1	10
LT-80E 41+50N	0.1	2	5
LT-80E 42+00N	0.1	1	10
LT-80E 42+50N	0.2	1	5
LT-80E 43+00N	0.8	2	5
LT-80E 43+50N	0.5	1	5
LT-80E 44+00N	0.4	14	5
LT-80E 44+50N	0.6	9	5
LT-80E 45+00N	0.2	2	5
LT-80E 45+50N	0.9	6	10
LT-80E 46+00N	0.4	1	5
LT-80E 46+50N	0.4	9	5
LT-80E 47+00N	0.7	10	5
LT-80E 47+50N	0.8	14	5
LT-80E 48+00N	0.5	2	5
LT-80E 49+00N	0.4	4	10
LT-80E 49+50N	0.3	2	5

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Certificate of GEOCHEM

Company: WELCOME NORTH MINES
Project: ROSS RIVER 6 TINT
Attention: J.BROCK/R.POTTER

File: 8-588/P15
Date: JUNE 2/88
Type: SOIL GEOCHEM

We hereby certify the following results for samples submitted.

Sample Number	AG PPM	AS PPM	AU-WET PPB
LT-80E 50+00N	0.1	1	5
LT-80E 50+50N	0.1	2	5
LT-80E 51+00N	0.4	3	5
LT-80E 51+50N	0.2	3	10
LT-80E 52+00N	0.8	16	5
LT-80E 54+00N	0.6	30	5
LT-80E 55+00N	0.2	9	5
LT-76E 28+00N	0.4	12	5
LT-76E 28+50N	0.3	10	5
LT-76E 29+00N	0.7	16	10
LT-76E 29+50N	0.4	14	5
LT-76E 30+00N	0.4	12	5
LT-76E 30+50N	0.4	11	5
LT-76E 31+00N	0.3	17	5
LT-76E 31+50N	0.2	14	5
LT-76E 32+00N	0.2	19	5
LT-76E 32+50N	0.4	26	5
LT-76E 33+00N	0.1	17	5
LT-76E 33+50N	0.6	9	5
LT-76E 34+00N	0.4	11	10
LT-76E 34+50N	0.2	13	5
LT-76E 35+00N	0.1	13	10
LT-76E 35+50N	0.2	14	20
LT-76E 36+00N	0.5	20	10
LT-76E 36+50N	0.4	9	5
LT-76E 37+00N	0.4	19	5
LT-76E 37+50N	0.5	11	5
LT-76E 38+00N	0.3	10	5
LT-76E 38+50N	0.6	10	5
LT-76E 39+00N	0.4	15	5

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Company: WELCOME NORTH MINES
Project: ROSS RIVER - 6 TINT
Attention: J.BROCK/R.POTTER

File: 8-588/P16
Date: JUNE 2/88
Type: SOIL GEOCHEM

We hereby certify the following results for samples submitted.

Sample Number	AG PPM	AS PPM	AU-WET PPB
LT-76E 40+50N	0.5	12	5
LT-76E 41+00N	0.2	13	10
LT-76E 41+50N	0.4	2	5
LT-76E 43+00N	0.9	17	5
LT-76E 44+00N	0.6	17	5
LT-76E 47+50N	0.6	16	5
LT-76E 50+50N	0.6	17	5
LT-76E 51+00N	0.5	20	5
LT-76E 51+50N	0.4	14	10
LT-76E 52+00N	0.7	21	5
LT-76E 52+50N	0.5	34	5
LT-76E 53+00N	0.4	19	5
LT-76E 53+50N	0.5	56	10
LT-76E 55+50N	0.7	47	5
LT-76E 56+00N	0.5	14	5
LT-76E 56+50N	0.6	17	10
LT-76E 57+00N	0.3	23	10
LT-76E 57+50N	0.3	19	5
LT-92E 24+00N	0.4	3	5
LT-92E 24+50N	0.3	5	5
LT-92E 25+00N	0.5	13	5
LT-92E 25+50N	0.4	10	10
LT-92E 26+00N	0.3	20	10
LT-92E 27+00N	0.2	2	10
LT-92E 27+50N	0.6	26	5
LT-92E 28+00N	0.8	5	10
LT-92E 28+50N	0.4	2	5
LT-92E 31+00N	0.4	21	10
LT-92E 31+50N	0.4	22	15
LT-92E 32+00N	0.6	29	5

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Company: WELCOME NORTH MINES
Project: ROSS RIVER - 6 TINT
Attention: J.BROCK/R.POTTER

File: 8-588/P17
Date: JUNE 2/88
Type: SOIL GEOCHEM

We hereby certify the following results for samples submitted.

Sample Number	AG PPM	AS PPM	AU-WET PPB
LT-92E 32+50N	0.9	38	5
LT-92E 33+00N	0.7	51	5
LT-92E 33+50N	0.4	13	5
LT-92E 34+00N	0.5	48	10
LT-92E 34+50N	0.4	23	5
LT-92E 35+00N	0.8	37	5
LT-92E 35+50N	0.7	19	5
LT-92E 36+00N	0.3	19	10
LT-92E 36+50N	0.1	24	5
LT-92E 37+00N	0.3	10	5
LT-92E 37+50N	0.4	20	5
LT-92E 38+00N	0.9	42	5
LT-92E 38+50N	0.6	35	5
LT-92E 39+00N	0.4	37	5
LT-92E 39+50N	0.3	41	10
LT-92E 40+00N	0.7	60	5
LT-92E 40+50N	0.6	29	5
LT-92E 41+00N	0.3	20	5
LT-92E 41+50N	0.6	42	5
LT-92E 42+00N	0.6	17	10
LT-92E 42+50N	0.5	22	5
LT-92E 43+00N	0.7	17	10
LT-92E 43+50N	0.7	19	5
LT-92E 44+00N	0.6	17	5
LT-92E 44+50N	0.6	49	5
LT-92E 45+00N	0.4	6	5
LT-92E 45+50N	0.2	2	5
LT-92E 46+00N	0.5	8	10
LT-92E 46+50N	0.6	21	5
LT-92E 47+00N	0.3	2	5

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Certificate of Geochem

Company: WELCOME NORTH MINES
Project: ROSS RIVER - 6 TINT
Attention: J.BROCK/R.POTTER

File: 8-588/P18
Date: JUNE 2/88
Type: SOIL GEOCHEM

We hereby certify the following results for samples submitted.

Sample Number	AG PPM	AS PPM	AU-WET PPB
LT-92E 47+50N	0.3	2	10
LT-92E 48+00N	0.7	57	5
LT-92E 48+50N	0.6	25	10
LT-92E 49+00N	0.4	36	5
LT-92E 49+50N	0.5	39	5
LT-92E 50+00N	0.6	56	5
LT-88E 28+00N	0.6	20	5
LT-88E 28+50N	0.4	23	5
LT-88E 29+00N	0.6	19	5
LT-88E 29+50N	0.5	18	5
LT-88E 30+00N	0.4	6	5
LT-88E 30+50N	0.8	33	5
LT-88E 31+00N	0.5	31	5
LT-88E 31+50N	0.6	19	10
LT-88E 32+00N	0.5	40	5
LT-88E 32+50N	0.7	6	5
LT-88E 33+00N	0.4	14	5
LT-88E 33+50N	0.6	9	5
LT-88E 34+00N	0.5	7	5
LT-88E 34+50N	0.5	5	10
LT-88E 35+00N	0.5	2	10
LT-88E 35+50N	0.7	10	10
LT-88E 36+00N	0.6	8	10
LT-88E 36+50N	0.6	14	5
LT-88E 37+00N	0.4	13	5
LT-88E 37+50N	0.5	11	5
LT-88E 38+00N	0.5	6	5
LT-88E 39+00N	0.6	8	5
LT-88E 39+50N	0.5	17	5
LT-88E 40+00N	0.6	15	5

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Company: WELCOME NORTH MINES
Project: ROSS RIVER - 6 TINT
Attention: J.BROCK/R.POTTER

File: 8-588/P19
Date: JUNE 2/88
Type: SOIL GEOCHEM

We hereby certify the following results for samples submitted.

Sample Number	AG PPM	AS PPM	AU-WET PPB
LT-88E 40+50N	0.2	19	5
LT-88E 41+00N	0.4	14	5
LT-88E 41+50N	0.4	19	10
LT-88E 42+00N	0.7	26	5
LT-88E 42+50N	0.3	16	5
LT-88E 43+00N	0.4	18	5
LT-88E 43+50N	0.6	21	5
LT-88E 44+00N	0.7	27	10
LT-88E 44+50N	0.5	26	5
LT-88E 45+00N	0.8	26	50
LT-88E 47+50N	0.3	6	5
LT-88E 48+00N	0.5	38	5
LT-88E 49+50N	0.4	12	10
LT-88E 50+00N	0.3	9	5
LT-100E 16+50N	0.5	18	5
LT-100E 17+00N	0.6	15	5
LT-100E 17+50N	0.4	15	5
LT-100E 18+00N	0.8	31	10
LT-100E 18+50N	0.5	23	5
LT-100E 19+00N	0.4	18	5
LT-100E 19+50N	0.4	14	5
LT-100E 20+00N	0.4	14	5
LT-100E 20+50N	0.6	27	5
LT-100E 21+00N	0.3	4	5
LT-100E 21+50N	0.6	16	5
LT-100E 22+00N	0.4	16	5
LT-100E 22+50N	0.4	12	10
LT-100E 23+00N	0.8	12	5
LT-100E 23+50N	0.4	11	5

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Certificate of GEOCHEM

Company: WELCOME NORTH MINES
Project: ROSS RIVER 6 TINT
Attention: J. BROCK/R. POTTER

File: 8-588/P20
Date: JUNE 3/88
Type: SOIL GEOCHEM

We hereby certify the following results for samples submitted.

Sample Number	AG PPM	AS PPM	AU-WET PPB
LT-100E 24+00N	0.6	11	5
LT-100E 24+50N	0.4	16	10
LT-100E 25+00N	0.4	13	5
LT-100E 25+50N	0.5	10	5
LT-100E 26+00N	0.6	19	5
LT-100E 26+50N	0.5	14	5
LT-100E 27+00N	0.4	10	5
LT-100E 27+50N	0.5	8	15
LT-100E 28+00N	1.0	13	5
LT-100E 28+50N	0.8	13	10
LT-100E 29+00N	0.7	13	10
LT-100E 29+50N	0.9	2	5
LT-100E 30+00N	0.4	14	10
LT-100E 30+50N	0.5	14	5
LT-100E 31+50N	0.8	2	5
LT-100E 32+00N	0.5	18	5
LT-100E 32+50N	1.0	2	5
LT-100E 34+50N	0.6	6	5
LT-100E 35+00N	0.4	15	5
LT-100E 35+50N	0.4	2	5
LT-100E 36+00N	0.6	10	10
LT-100E 36+50N	0.3	7	5
LT-100E 37+00N	0.3	4	5
LT-100E 37+50N	0.4	3	5
LT-100E 38+00N	0.4	4	5
LT-100E 38+50N	0.7	5	5

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TELEPHONE: (705) 264-9996

Certificate of GEOCHEM

Company: WELCOME NORTH MINES
Project: ROSS RIVER - 6 TINT
Attention: J. BROCK/R. POTTER

File: 8-588/P21
Date: JUNE 4/88
Type: SOIL GEOCHEM

We hereby certify the following results for samples submitted.

Sample Number	AG PPM	AS PPM	AU PPB
LT-100E 39+50N	1.0	2	15
LT-100E 40+50N	0.8	9	5
LT-100E 41+00N	0.5	10	5
LT-100E 41+50N	0.3	12	5
LT-100E 42+00N	0.4	3	5
LT-100E 42+50N	0.4	18	5
LT-100E 43+00N	0.4	27	10
LT-100E 43+50N	0.3	3	5
LT-100E 44+00N	0.5	16	5
LT-100E 44+50N	0.5	7	5
LT-100E 45+00N	0.4	1	5
LT-100E 45+50N	0.5	47	5
LT-100E 46+00N	0.3	41	5
LT-100E 46+50N	0.4	26	5
LT-100E 47+00N	0.9	2	5
LT-100E 47+50N	0.3	14	5
LT-100E 48+00N	0.4	17	10
LT-100E 48+50N	0.6	24	5
LT-100E 49+00N	0.5	25	10
LT-100E 49+50N	0.3	5	5
LT-100E 50+00N	0.5	38	10
LT-104E 21+00N	0.7	16	10
LT-104E 21+50N	0.2	10	5
LT-104E 22+00N	0.4	4	5
LT-104E 22+50N	0.3	6	10
LT-104E 23+00N	0.3	3	5
LT-104E 23+50N	0.3	7	5
LT-104E 24+00N	0.4	10	5

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TIMMINS OFFICE:
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P.O. BOX 867
TIMMINS, ONTARIO CANADA P4N 7G7
TELEPHONE: (705) 264-9996

Certificate of GEOCHEM

Company: WELCOME NORTH MINES
Project: ROSS RIVER 6 TNT
Attention: J.BROCK/R.POTTER

File: 8-588/P22
Date: JUNE 3/88
Type: SOIL GEOCHEM

We hereby certify the following results for samples submitted.

Sample Number	AG PPM	AS PPM	AU-WET PPB
LT-104E 24+50N	0.6	8	5
LT-104E 25+00N	0.7	17	5
LT-104E 25+50N	0.5	8	5
LT-104E 27+00N	0.3	12	5
LT-104E 27+50N	0.7	12	5
LT-104E 28+00N	0.2	8	10
LT-104E 28+50N	0.4	12	5
LT-104E 29+50N	0.7	13	5
LT-104E 30+00N	0.3	7	5
LT-104E 30+50N	0.4	8	5
LT-104E 31+00N	0.7	13	5
LT-104E 31+50N	0.5	11	5
LT-104E 32+00N	0.4	13	10
LT-104E 32+50N	0.3	10	10
LT-104E 33+00N	0.1	8	5
LT-104E 33+50N	0.2	6	5
LT-104E 34+00N	0.6	19	5
LT-104E 34+50N	0.5	6	5
LT-104E 35+00N	0.3	13	5
LT-104E 36+50N	0.6	16	10
LT-104E 37+50N	0.4	12	5
LT-104E 38+00N	0.3	12	5
LT-104E 38+50N	0.7	8	5
LT-104E 39+00N	0.6	4	5

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TELEPHONE: (705) 264-9996

Certificate of GEOCHEM

Company: WELCOME NORTH MINES
Project: ROSS RIVER - 6 TINT
Attention: J.BROCK/R.POTTER

File: 8-588/P23
Date: JUNE 4/88
Type: SOIL GEOCHEM

We hereby certify the following results for samples submitted.

Sample Number	AG PPM	AS PPM	AU PPB
LT-104E 39+50N	0.3	6	5
LT-104E 40+00N	0.6	8	5
LT-104E 40+50N	0.2	13	5
LT-104E 42+50N	0.1	14	5
LT-104E 43+00N	0.3	15	10
LT-104E 43+50N	0.4	1	5
LT-104E 44+00N	0.3	22	5
LT-104E 44+50N	0.6	17	10
LT-104E 46+50N	0.2	12	5
LT-104E 47+00N	0.5	19	10
LT-104E 48+00N	0.6	18	5
LT-104E 48+50N	0.7	16	5
LT-104E 49+00N	0.4	5	13
LT-104E 49+50N	0.5	5	12
LT-104E 50+00N	0.4	5	9
LT-136E 20+00N	0.8	16	5
LT-136E 20+50N	0.7	8	5
LT-136E 21+00N	0.3	5	5
LT-136E 21+50N	0.8	6	5
LT-136E 22+00N	0.6	12	5
LT-136E 22+50N	0.9	15	5
LT-136E 23+00N	0.4	7	5
LT-136E 23+50N	0.4	6	10
LT-136E 24+00N	0.4	1	5

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Certificate of GEOCHEM

Company: WELCOME NORTH MINES
Project: ROSS RIVER - 6 TINT
Attention: J.BROCK/R.POTTER

File: 8-588/P24
Date: MAY 29/88
Type: SOIL GEOCHEM

We hereby certify the following results for samples submitted.

Sample Number	AG PPM	AS PPM	AU-WET PPB
LT-136E 24+50N	0.5	1	10
LT-136E 25+00N	0.3	1	5
LT-136E 25+50N	0.2	1	5
LT-136E 26+00N	0.6	1	5
LT-136E 26+50N	0.4	1	5
LT-136E 27+00N	0.3	1	5
LT-136E 27+50N	0.4	14	10
LT-136E 28+00N	0.7	9	5
LT-136E 28+50N	0.8	15	5
LT-136E 29+00N	0.6	10	375
LT-136E 29+50N	0.5	19	5
LT-136E 30+00N	0.6	4	5
LT-136E 30+50N	0.4	1	5
LT-136E 31+00N	0.5	2	10
LT-136E 31+50N	0.6	14	5
LT-136E 32+00N	0.3	19	10
LT-136E 32+50N	0.4	17	5
LT-136E 33+00N	0.1	1	5
LT-136E 33+50N	0.6	3	5
LT-136E 34+00N	0.2	1	5
LT-136E 34+50N	0.3	1	5
LT-136E 35+00N	0.2	17	5
LT-136E 35+50N	0.5	11	5
LT-136E 36+00N	0.1	10	10
LT-136E 36+50N	0.2	13	5
LT-136E 37+00N	0.3	10	5
LT-136E 37+50N	0.3	22	5
LT-136E 38+00N	0.7	21	10
LK-100E 27+50N	0.5	22	5
LK-100E 28+00N	0.6	20	5

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Certificate of GEOCHEM

Company: WELCOME NORTH MINES
Project: ROSS RIVER - 6 TINT
Attention: J.BROCK/R.POTTER

File: 8-588/P25
Date: JUNE 4/88
Type: SOIL GEOCHEM

We hereby certify the following results for samples submitted.

Sample Number	AG PPM	AS PPM	AU PPB
LT-100E 30+00N	0.8	12	5
LT-100E 31+00N	0.5	18	10
LT-100E 31+50N	0.6	13	5
LT-100E 32+00N	0.4	14	10
LT-100E 32+50N	0.5	21	5
LT-100E 33+00N	0.6	13	5
LT-100E 33+50N	0.4	17	5
LT-100E 34+00N	0.3	9	15
LT-100E 34+50N	0.3	7	10
LT-100E 35+00N	0.5	4	5
LT-100E 35+50N	0.4	5	5
LT-100E 36+00N	0.4	6	5
LT-100E 36+50N	0.6	6	5
LT-100E 37+00N	0.7	7	5
LT-100E 37+50N	0.5	10	10
LT-100E 38+00N	0.4	11	5
LT-100E 39+00N	0.6	10	5
LT-100E 39+50N	0.5	16	5
LT-100E 40+00N	0.2	4	5
LT-100E 40+50N	0.7	8	5
LT-100E 41+00N	0.4	4	10
LT-100E 41+50N	0.6	1	5

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Certificate of GEOCHEM

Company: WELCOME NORTH MINES
Project: ROSS RIVER - 6 TINT
Attention: J. BROCK/R. POTTER

File: 8-588/P27
Date: JUNE 4/88
Type: SOIL GEOCHEM

We hereby certify the following results for samples submitted.

Sample Number	AG PPM	AS PPM	AU PPB
LT-104E 33+50N	0.4	15	5
LT-104E 34+00N	0.2	2	10
LT-104E 36+50N	0.5	19	5
LT-104E 37+00N	0.6	20	5
LT-104E 37+50N	0.5	14	5
LT-104E 38+00N	0.8	4	5
LT-104E 38+50N	0.7	3	5
LT-104E 39+00N	0.6	19	5
LT-104E 39+50N	0.9	10	5
LT-104E 40+00N	0.7	14	5
LT-104E 40+50N	0.6	9	5
LT-104E 41+00N	0.9	13	5
LT-104E 43+00N	0.8	21	5
LT-104E 43+50N	0.5	19	10
LT-104E 44+50N	0.3	16	5
LT-104E 46+00N	0.6	3	5
LT-104E 33+00N	0.7	15	5

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Certificate of GEOCHEM

Company: WELCOME NORTH MINES
Project: ROSS RIVER - 6 TINT
Attention: J.BROCK/R.POTTER

File: 8-588/P28
Date: JUNE 4/88
Type: SOIL GEOCHEM

We hereby certify the following results for samples submitted.

Sample Number	AG PPM	AS PPM	AU PPB
LT-104E 48+50N	0.5	17	5
LT-104E 50+00N	0.3	15	5
LT-104E 51+50N	0.4	14	10
LT-104E 52+00N	0.5	17	5
LT-104E 53+50N	0.6	11	5
LT-104E 54+00N	0.5	21	5
LT-108E 23+50N	0.3	36	5
LT-108E 24+50N	0.6	24	10
LT-108E 25+00N	0.2	2	10
LT-108E 27+00N	0.4	33	5
LT-108E 27+50N	0.5	24	10
LT-108E 28+50N	0.3	36	5
LT-108E 6N	0.4	27	5

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TELEPHONE: (705) 264-9996

Certificate of GEOCHEM

Company: WELCOME NORTH MINES
Project: ROSS RIVER-6
Attention: JOHN BROCK

TINTINA PROJECT
"TINT CLAIMS"

File: 8-571/P1
Date: MAY 30/88
Type: SOIL GEOCHEM

We hereby certify the following results for samples submitted.

Sample Number	AG PPM	AS PPM	AU-WET PPB
LT84E 2850N	1.1	77	5
LT84E 2900N	0.3	14	5
LT84E 2950N	0.5	20	5
LT84E 3000N	0.3	7	10
LT84E 3050N	0.2	8	5
LT84E 3100N	0.4	11	5
LT84E 3150N	0.5	9	5
LT84E 3200N	0.2	10	5
LT84E 3250N	0.7	8	5
LT84E 3300N	0.4	10	10
LT84E 3350N	0.3	15	5
LT84E 3400N	0.6	18	5
LT84E 3550N	0.7	31	10
LT84E 3600N	0.3	9	5
LT84E 3650N	0.5	12	5
LT84E 3700N	0.4	13	5
LT84E 3750N	0.2	12	5
LT84E 3800N	0.3	8	5
LT84E 3850N	0.7	13	10
LT84E 3900N	0.6	42	10
LT84E 3950N	1.0	25	10
LT84E 4000N	0.3	10	5
LT84E 4050N	0.6	13	5
LT84E 4100N	0.3	17	5
LT84E 4150N	0.6	6	5
LT84E 4200N	0.3	7	5
LT84E 4250N	0.7	11	10
LT84E 4300N	0.2	12	5
LT84E 4350N	0.4	10	5
LT84E 4400N	0.6	16	5

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TELEPHONE: (705) 264-9996

Certificate of Geochem

Company: WELCOME NORTH MINES
Project: ROSS RIVER-6
Attention: JOHN BROCK

File: 8-571/P2
Date: MAY 30/88
Type: SOIL GEOCHEM

We hereby certify the following results for samples submitted.

Sample Number	AG PPM	AS PPM	AU-WET PPB
LT84E 4450N	0.6	9	5
LT84E 4500N	0.9	13	10
LT84E 4550N	0.4	10	5
LT84E 4600N	0.7	19	5
LT84E 4700N	0.6	9	5
LT84E 4750N	0.2	1	5
LT84E 4800N	0.4	15	5
LT84E 4850N	0.3	1	5
LT84E 4900N	0.3	1	10
LT84E 5000N	0.5	21	10
96E 2000N	0.3	1	5
LT96E 2050N	0.2	1	5
LT96E 2100N	0.2	3	5
LT96E 2150N	0.2	1	5
LT96E 2200N	0.4	12	5
LT96E 2250N	0.3	17	5
LT96E 2300N	0.6	9	5
LT96E 2350N	0.5	5	5
LT96E 2400N	0.3	8	5
LT96E 2450N	0.2	2	10
LT96E 2500N	0.3	6	5
LT96E 2550N	0.2	2	5
LT96E 2600N	0.4	2	5
LT96E 2650N	0.2	1	5
LT96E 2700N	0.3	5	5
LT96E 2750N	0.3	3	5
LT96E 2800N	0.5	2	10
LT96E 2850N	0.4	2	5
LT96E 2900N	0.3	1	5
LT96E 2950N	0.7	3	5

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TELEPHONE: (705) 264-9996

Certificate of Geochem

Company: WELCOME NORTH MINES
Project: ROSS RIVER-6
Attention: JOHN BROCK

File: 8-571/P3
Date: MAY 29/88
Type: SOIL GEOCHEM

We hereby certify the following results for samples submitted.

Sample Number	AG PPM	AS PPM	AU--WET PPB
LT96E 3000N	0.2	1	5
LT96E 3050N	0.4	1	5
LT96E 3100N	0.2	1	10
LT96E 3150N	0.3	1	5
LT96E 3200N	0.2	11	10
LT96E 3250N	0.3	11	5
LT96E 3300N	0.2	8	5
LT96E 3350N	0.2	1	5
LT96E 3400N	0.2	1	10
LT96E 3450N	0.2	1	5
LT96E 3500N	0.3	9	5
LT96E 3550N	0.4	8	5
LT96E 3600N	0.2	1	5
LT96E 3650N	0.2	1	5
LT96E 3700N	0.2	1	5
LT96E 3750N	0.3	1	5
LT96E 3800N	0.1	4	10
LT96E 3850N	0.2	2	5
LT96E 3900N	0.4	3	10
LT96E 3950N	0.2	1	5
LT96E 4000N	0.2	1	5
LT96E 4050N	0.2	1	5
LT96E 4100N	0.3	10	5
LT96E 4150N	0.4	11	10
LT96E 4200N	0.3	3	5
LT96E 4250N	0.2	5	5
LT96E 4300N	0.2	8	10
LT96E 4350N	0.1	3	10
LT96E 4400N	0.2	1	5

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Certificate of Geochem

Company: WELCOME NORTH MINES
Project: ROSS RIVER-6
Attention: JOHN BROCK

File: 8-571/P4
Date: MAY 30/88
Type: SOIL GEOCHEM

We hereby certify the following results for samples submitted.

Sample Number	AG PPM	AS PPM	AU-WET PPB
LT96E 4450N	0.2	1	5
LT96E 4500N	0.7	17	5
LT96E 4550N	0.3	25	5
LT96E 4600N	0.4	5	5
LT96E 4650N	0.7	3	5
LT96E 4700N	0.2	2	5
LT96E 4750N	0.5	15	5
LT96E 4800N	0.2	15	5
LT96E 4850N	0.2	2	10
LT96E 4900N	0.1	1	10
LT96E 4950N	0.2	1	5
LT96E 5000N	0.4	17	10
LT108E 1700N	0.2	11	5
LT108E 1750N	0.4	11	5
LT108E 1800N	0.2	21	5
LT108E 1850N	0.3	5	5
LT108E 1900N	0.2	8	5
LT108E 1950N	0.2	6	5
LT108E 2000N	0.4	2	5
LT108E 2050N	0.4	8	10
LT108E 2100N	0.3	10	5
LT108E 2150N	0.3	12	5
LT108E 2200N	0.4	9	5
LT108E 2250N	0.2	10	5
LT108E 2300N	0.2	15	10
LT108E 2350N	0.2	10	5
LT108E 2400N	0.1	15	5
LT108E 2450N	0.3	17	5
LT108E 2500N	0.1	1	10
LT108E 2550N	0.2	3	5

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TELEPHONE: (705) 264-9996

Certificate of Geochem

Company: WELCOME NORTH MINES
Project: ROSS RIVER-6
Attention: JOHN BROCK

File: 8-571/P5
Date: MAY 30/88
Type: SOIL GEOCHEM

We hereby certify the following results for samples submitted.

Sample Number	AG PPM	AS PPM	AU-WET PPB
LT108E 2600N	0.7	2	35
LT108E 2650N	0.6	7	20
LT108E 2700N	0.5	9	10
LT108E 2750N	0.4	8	10
LT108E 2800N	0.7	15	5
LT108E 2850N	0.3	1	20
LT108E 2900N	0.4	2	15
LT108E 2950N	1.3	13	5
LT108E 3000N	0.4	14	5
LT108E 3050N	0.3	7	10
LT108E 3100N	0.2	2	25
LT108E 3150N	0.4	12	20
LT108E 3200N	0.4	19	10
LT108E 3250N	0.3	9	5
LT108E 3300N	0.2	13	5
LT108E 3350N	0.3	2	5
LT108E 3400N	0.4	9	5
LT108E 3450N	0.4	9	10
LT108E 3500N	0.3	9	5
LT108E 3550N	0.4	7	5
LT108E 3600N	0.6	23	5
LT108E 3650N	1.6	18	10
LT108E 3700N	0.3	17	5
LT108E 3750N	0.2	13	5
LT108E 3800N	0.3	13	5
LT108E 3850N	0.4	13	10
LT108E 3900N	0.4	17	5
LT108E 3950N	0.2	1	5
LT108E 4000N	0.2	2	10
LT108E 4050N	0.4	3	5

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TIMMINS OFFICE:
33 EAST IROQUOIS ROAD
P.O. BOX 867
TIMMINS, ONTARIO CANADA P4N 7G7
TELEPHONE: (705) 264-9996

Certificate of Geochem

Company: WELCOME NORTH MINES
Project: ROSS RIVER-6
Attention: JOHN BROCK

File: 8-571/P6
Date: MAY 30/88
Type: SOIL GEOCHEM

We hereby certify the following results for samples submitted.

Sample Number	AG PPM	AS PPM	AU-WET PPB
LT108E 4100N	0.6	20	5
LT108E 4150N	0.7	9	5
LT108E 4200N	0.4	30	10
LT108E 4250N	0.3	2	5
LT108E 4300N	0.4	15	5
LT108E 4350N	0.2	4	20
LT108E 4400N	0.7	26	15
LT108E 4450N	0.3	2	5
LT108E 4500N	0.6	57	5
LT108E 4550N	0.4	37	5
LT108E 4600N	0.5	36	10
LT108E 4650N	0.4	42	5
LT108E 4700N	0.4	37	10
LT108E 4750N	0.3	25	5
LT108E 4800N	0.4	45	10
LT108E 4850N	0.4	45	5
LT108E 4900N	0.6	42	5
LT108E 4950N	0.2	2	5
LT108E 5000N	0.3	21	10
LT112E 1500N	0.2	11	5
LT112E 1550N	0.3	7	10
LT112E 1600N	0.2	20	10
LT112E 1650N	0.4	8	5
LT112E 1700N	0.5	20	5
LT112E 1750N	0.4	12	10
LT112E 1800N	0.3	12	5
LT112E 1850N	0.4	10	5
LT112E 1900N	0.2	11	5
LT112E 1950N	0.4	7	10
LT112E 2000N	0.2	10	5

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Certificate of Geochem

Company: WELCOME NORTH MINES
Project: ROSS RIVER-6
Attention: JOHN BROCK

File: 8-571/P7
Date: MAY 30/88
Type: SOIL GEOCHEM

We hereby certify the following results for samples submitted.

Sample Number	AG PPM	AS PPM	AU-WET PPB
LT112E 2050N	0.6	11	10
LT112E 2100N	0.5	10	5
LT112E 2150N	0.4	11	20
LT112E 2200N	0.2	12	25
LT112E 2250N	0.6	15	10
LT112E 2300N	0.4	10	5
LT112E 2350N	0.4	12	5
LT112E 2400N	0.3	14	5
LT112E 2450N	0.4	14	5
LT112E 2500N	0.8	20	10
LT112E 2550N	0.4	9	15
LT112E 2600N	0.3	11	10
LT112E 2650N	0.4	4	10
LT112E 2700N	0.7	11	10
LT112E 2750N	0.6	13	5
LT112E 2800N	0.5	12	5
LT112E 2850N	0.3	14	5
LT112E 2900N	0.4	18	10
LT112E 2950N	0.2	5	5
LT112E 3000N	0.4	17	5
LT112E 3050N	0.2	2	10
LT112E 3100N	0.7	16	5
LT112E 3150N	0.6	11	10
LT112E 3200N	0.2	13	15
LT112E 3250N	0.2	10	5
LT112E 3300N	0.2	3	10
LT112E 3350N	0.3	15	20
LT112E 3400N	0.4	4	5
LT112E 3450N	0.3	2	5
LT112E 3500N	0.5	10	30

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Certificate of Geochem

Company: WELCOME NORTH MINES
Project: ROSS RIVER-6
Attention: JOHN BROCK

File: 8-571/P8
Date: MAY 30/88
Type: SOIL GEOCHEM

We hereby certify the following results for samples submitted.

Sample Number	AG PPM	AS PPM	AU-WET PPB
LT112E 3550N	0.6	11	10
LT112E 3600N	0.4	22	5
LT112E 3650N	0.6	23	5
LT112E 3700N	0.3	17	5
LT112E 3750N	0.5	12	10
LT112E 3800N	0.4	5	15
LT112E 3850N	0.2	9	20
LT112E 3900N	0.8	2	5
LT112E 3950N	0.7	9	5
LT112E 4000N	0.3	2	10
LT112E 4050N	0.6	3	20
LT112E 4100N	0.4	40	10
LT112E 4150N	0.5	29	5
LT112E 4200N	0.4	37	5
LT112E 4250N	0.4	65	10
LT112E 4300N	0.4	33	5
LT112E 4350N	0.3	38	5
LT112E 4400N	0.2	36	10
LT112E 4450N	0.3	37	10
LT112E 4500N	0.4	3	5
LT112E 4550N	0.5	27	5
LT112E 4650N	0.4	26	5
LT112E 4700N	0.4	7	10
LT112E 4750N	0.3	3	5
LT112E 4800N	0.6	21	5
LT112E 4850N	0.4	48	10
LT112E 4900N	0.9	33	5
LT112E 4950N	0.4	23	5
LT112E 5000N	0.5	31	10
LT116E 1650N	0.3	15	5

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Company: WELCOME NORTH MINES.
Project: ROSS RIVER-6
Attention: JOHN BROCK

File: 8-571/P9
Date: MAY 30/88
Type: SOIL GEOCHEM

We hereby certify the following results for samples submitted.

Sample Number	AG PPM	AS PPM	AU-WET PPB
LT116E 1700N	0.6	13	15
LT116E 1750N	0.4	9	5
LT116E 1800N	0.5	11	5
LT116E 1850N	0.4	5	5
LT116E 1900N	0.3	11	5
LT116E 1950N	0.4	6	10
LT116E 2030N	0.3	4	5
LT116E 2050N	0.5	5	10
LT116E 2100N	0.4	4	5
LT116E 2150N	0.3	7	5
LT116E 2200N	0.4	8	5
LT116E 2250N	0.2	1	15
LT116E 2300N	0.4	6	5
LT116E 2350N	0.4	7	10
LT116E 2400N	0.2	1	5
LT116E 2450N	0.6	5	5
LT116E 2500N	0.5	1	5
LT116E 2550N	0.3	2	10
LT116E 2600N	0.4	1	5
LT116E 2750N	0.7	7	5
LT116E 2800N	0.5	10	10
LT116E 2850N	0.2	6	5
LT116E 2900N	0.3	1	10
LT116E 2950N	0.2	5	15
LT116E 3000N	0.2	1	5
LT116E 3050N	0.2	4	5
LT116E 3100N	0.2	5	10
LT116E 3150N	0.4	11	5
LT116E 3200N	0.3	17	10
LT116E 3250N	0.2	22	5

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Company: WELCOME NORTH MINES.
Project: ROSS RIVER-6
Attention: JOHN BROCK

File: 8-571/P10
Date: MAY 30/88
Type: SOIL GEOCHEM

We hereby certify the following results for samples submitted.

Sample Number	AG PPM	AS PPM	AU-WET PPB
LT116E 3300N	0.5	11	5
LT116E 3350N	0.2	1	5
LT116E 3400N	0.2	15	10
LT116E 3450N	0.3	1	5
LT116E 3500N	0.2	1	10
LT116E 3550N	0.2	2	5
LT116E 3600N	0.2	5	5
LT116E 3650N	0.1	1	5
LT116E 3700N	0.4	1	5
LT116E 3750N	0.2	1	10
LT116E 3800N	0.4	17	15
LT116E 3850N	0.5	5	5
LT116E 3900N	0.4	6	10
LT116E 3950N	0.5	6	5
LT116E 4000N	0.2	1	5
LT116E 4050N	0.2	5	5
LT116E 4100N	0.2	6	5
LT116E 4150N	0.5	9	10
LT116E 4200N	0.2	16	5
LT116E 4250N	0.4	11	10
LT116E 4300N	0.1	19	10
LT116E 4350N	0.2	7	5
LT116E 4400N	0.2	6	5
LT116E 4450N	0.7	21	5
LT116E 4500N	0.4	11	5
LT116E 4550N	0.2	6	10
LT116E 4600N	0.4	18	5
LT116E 4650N	0.3	3	5
LT116E 4700N	0.4	39	5
LT116E 4750N	0.8	18	10

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Company: WELCOME NORTH MINES
Project: ROSS RIVER-6
Attention: JOHN BROCK

File: 8-571/P11
Date: MAY 30/88
Type: SOIL GEOCHEM

We hereby certify the following results for samples submitted.

Sample Number	AG PPM	AS PPM	AU-WET PPB
LT116E 4800N	0.5	13	10
LT116E 4850N	0.7	16	25
LT116E 4900N	0.4	9	10
LT116E 4950N	0.2	10	5
LT116E 5000N	0.2	7	5
LT120E 2000N	0.6	12	10
LT120E 2050N	0.2	10	5
LT120E 2100N	0.2	14	5
LT120E 2150N	0.2	6	10
LT120E 2200N	0.1	8	5
LT120E 2250N	0.2	6	15
LT120E 2300N	0.2	8	5
LT120E 2350N	0.3	7	10
LT120E 2400N	0.4	5	5
LT120E 2450N	0.2	4	5
LT120E 2500N	0.2	9	5
LT120E 2550N	0.4	8	5
LT120E 2600N	0.4	7	5
LT120E 2650N	0.3	10	10
LT120E 2700N	0.2	2	5
LT120E 2750N	0.4	2	5
LT120E 2825N	0.2	2	10
LT120E 2850N	0.4	5	5
LT120E 2900N	0.3	2	10
LT120E 2950N	0.2	9	5
LT120E 3000N	0.5	12	5
LT120E 3050N	0.3	6	20
LT120E 3100N	0.3	7	10
LT120E 3150N	0.4	14	5
LT120E 3200N	0.4	14	10

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TELEPHONE: (705) 264-9996

Certificate of Geochem

Company: WELCOME NORTH MINES.
Project: ROSS RIVER-6
Attention: JOHN BROCK

File: 8-571/P12
Date: MAY 30/88
Type: SOIL GEOCHEM

We hereby certify the following results for samples submitted.

Sample Number	AG PPM	AS PPM	AU-WET PPB
LT120E 3250N	0.3	13	35
LT120E 3300N	0.2	2	20
LT120E 3350N	0.4	12	15
LT120E 3400N	0.3	11	10
LT120E 3450N	0.2	9	5
LT120E 3500N	0.3	9	5
LT120E 3550N	0.2	2	10
LT120E 3600N	0.4	12	5
LT120E 3650N	0.3	8	5
LT120E 3700N	0.4	11	20
LT120E 3750N	0.2	12	5
LT120E 3800N	0.4	12	5
LT120E 3850N	0.2	9	5
LT120E 3900N	0.1	15	10
LT120E 3950N	0.1	12	15
LT120E 4000N	0.2	12	5
LT120E 4050N	0.3	15	5
LT120E 4100N	0.4	18	10
LT120E 4150N	0.2	17	5
LT120E 4200N	0.2	2	5
LT120E 4250N	0.5	29	10
LT120E 4300N	0.2	5	15
LT120E 4350N	0.2	18	5
LT120E 4400N	0.4	27	20
LT120E 4450N	0.2	4	15
LT120E 4500N	0.1	2	10
LT120E 4550N	0.1	2	5
LT120E 4600N	0.4	20	5
LT120E 4650N	0.3	24	5
LT120E 4700N	0.2	11	5

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Certificate of Geochem

Company: WELCOME NORTH MINES
Project: ROSS RIVER-6
Attention: JOHN BROCK

File: 8-571/P13
Date: MAY 30/88
Type: SOIL GEOCHEM

We hereby certify the following results for samples submitted.

Sample Number	AG PPM	AS PPM	AU-WET PPB
LT120E 4750N	0.4	19	15
LT120E 4800N	0.2	2	10
LT120E 4850N	0.4	16	15
LT120E 4900N	0.2	2	5
LT120E 4950N	0.4	25	5
LT120E 5000N	0.3	8	10
LT124E 2000N	0.2	11	5
LT124E 2050N	0.4	35	5
LT124E 2100N	0.2	8	5
LT124E 2150N	0.3	5	10
LT124E 2200N	0.3	6	5
LT124E 2250N	0.2	8	5
LT124E 2300N	0.4	9	10
LT124E 2350N	0.2	7	5
LT124E 2400N	0.3	9	20
LT124E 2450N	0.3	8	10
LT124E 2500N	0.2	12	35
LT124E 2550N	0.2	7	5
LT124E 2600N	0.4	6	10
LT124E 2650N	0.2	9	5
LT124E 2700N	0.3	11	15
LT124E 2750N	0.2	8	10
LT124E 2800N	0.4	9	20
LT124E 3000N	0.2	2	10
LT124E 3050N	0.2	3	5
LT124E 3100N	0.4	10	5
LT124E 3150N	0.4	17	5
LT124E 3450N	0.4	12	10
LT124E 3500N	0.3	11	5
LT128E 2000N	0.2	5	5

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Certificate of Geochem

Company: WELCOME NORTH MINES
Project: ROSS RIVER-6
Attention: JOHN BROCK

File: 8-571/P14
Date: MAY 30/88
Type: SOIL GEOCHEM

We hereby certify the following results for samples submitted.

Sample Number	AG PPM	AS PPM	AU-WET PPB
LT128E 2050N	0.3	16	10
LT128E 2100N	0.2	7	5
LT128E 2150N	0.3	19	25
LT128E 2250N	0.4	11	10
LT128E 2300N	0.4	10	5
LT128E 2350N	0.3	6	5
LT128E 2400N	0.2	8	10
LT128E 2450N	0.4	13	30
LT128E 2500N	0.2	9	25
LT128E 2550N	0.4	8	30
LT128E 2650N	0.2	9	35
LT128E 2700N	0.2	11	5
LT128E 2750N	0.4	11	10
LT128E 2800N	0.1	6	5
LT128E 2850N	0.3	14	5
LT128E 2900N	0.2	3	5
LT128E 2950N	0.4	12	5
LT128E 3000N	0.3	15	10
LT128E 3050N	0.4	14	15
LT128E 3100N	0.4	13	5
LT128E 3150N	0.2	18	5
LT128E 3200N	0.2	19	5
LT128E 3300N	0.4	22	5
LT128E 3350N	0.3	13	5
LT128E 3400N	0.2	12	5
LT128E 3450N	0.4	17	5
LT128E 3550N	0.2	14	5
LT128E 3600N	0.2	8	10
LT128E 3650N	0.2	8	20
LT128E 3700N	0.1	14	25

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Certificate of Geochem

Company: WELCOME NORTH MINES
Project: ROSS RIVER-6
Attention: JOHN BROCK

File: 8-571/P15
Date: MAY 30/88
Type: SOIL GEOCHEM

We hereby certify the following results for samples submitted.

Sample Number	AG PPM	AS PPM	AU-WET PPB
LT128E 3750N	0.8	6	10
LT128E 3800N	0.5	13	5
LT128E 3850N	0.6	10	10
LT128E 3900N	0.6	7	5
LT128E 3950N	0.4	13	5
LT128E 4000N	0.7	21	5
LT128E 4050N	0.5	9	10
LT128E 4100N	0.5	20	20
LT128E 4150N	0.6	11	5
LT128E 4200N	0.5	12	25
LT128E 4250N	0.9	26	10
LT128E 4300N	1.6	12	5
LT128E 4350N	0.3	15	15
LT128E 4400N	0.5	23	5
LT128E 4450N	0.4	22	5
LT128E 4500N	1.1	24	5
LT128E 4550N	0.7	14	10
LT128E 4600N	0.5	15	5
LT128E 4650N	0.9	12	5
LT128E 4700N	0.6	19	5
LT128E 4750N	0.4	19	5
LT128E 4900N	0.4	11	5
LT128E 4950N	0.5	20	10
LT128E 5000N	0.3	18	10
LT132E 2000N	0.3	7	5
LT132E 2050N	0.2	12	5
LT132E 2100N	0.7	13	5
LT132E 2150N	0.6	22	10
LT132E 2200N	0.3	13	5
LT132E 2250N	0.4	16	10

Certified by _____

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CHEMISTS • ASSAYERS • ANALYSTS • GEOCHEMISTS

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TELEX: VIA U.S.A. 7601067 • FAX (604) 980-9621

TIMMINS OFFICE:
33 EAST IROQUOIS ROAD
P.O. BOX 867
TIMMINS, ONTARIO CANADA P4N 7G7
TELEPHONE: (705) 264-9996

Certificate of Geochem

Company: WELCOME NORTH MINES
Project: ROSS RIVER-6
Attention: JOHN BROCK

File: 8-571/P16
Date: MAY 30/88
Type: SOIL GEOCHEM

We hereby certify the following results for samples submitted.

Sample Number	AG PPM	AS PPM	AU-WET PPB
LT132E 2300N	0.7	10	5
LT132E 2350N	0.4	4	5
LT132E 2400N	0.5	11	5
LT132E 2450N	0.6	9	5
LT132E 2500N	0.3	8	10
LT132E 2550N	0.9	5	5
LT132E 2600N	0.6	6	5
LT132E 2650N	0.4	3	5
LT132E 2700N	0.2	4	5
LT132E 2750N	0.3	2	10
LT132E 2800N	0.5	1	10
LT132E 2850N	0.5	4	5
LT132E 2900N	0.7	12	10
LT132E 3000N	0.4	5	5
LT132E 3050N	0.5	4	5
LT132E 3100N	0.3	5	5
LT132E 3150N	0.4	7	5
LT132E 3200N	0.6	9	10
LT132E 3250N	0.3	11	5
LT132E 3300N	0.7	10	10
LT132E 3350N	0.7	10	10
LT132E 3400N	0.6	8	5
LT132E 3450N	0.5	3	5
LT132E 3650N	0.2	8	5
LT132E 3700N	0.7	7	5
LT132E 3750N	0.3	3	10
LT132E 3800N	0.6	8	5
LT132E 3850N	0.3	9	5
LT132E 3900N	0.2	8	5
LT132E 3950N	0.2	4	5

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P.O. BOX 867
TIMMINS, ONTARIO CANADA P4N 7G7
TELEPHONE: (705) 264-9996

Certificate of Geochem

Company: WELCOME NORTH MINES
Project: ROSS RIVER-6
Attention: JOHN BROCK

File: 8-571/P17
Date: MAY 30/88
Type: SOIL GEOCHEM

We hereby certify the following results for samples submitted.

Sample Number	AG PPM	AS PPM	AU-WET PPB
LT132E 4000N	0.4	6	5
LT132E 4050N	0.3	7	5
LT132E 4100N	0.5	16	5

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P.O. BOX 867
TIMMINS, ONTARIO CANADA P4N 7G7
TELEPHONE: (705) 264-9996

Certificate of GEOCHEM

Company: WELCOME NORTH MINES
Project: ROSS RIVER - 6 TINT CLAIMS
Attention: J. BROCK/R. POTTER

File: 8-588/P1
Date: MAY 30/88
Type: ROCK GEOCHEM

We hereby certify the following results for samples submitted.

Sample Number	AG PPM	AS PPM	AU-FIRE PPB
3001	0.2	3	2
3002	0.5	2	1
3003	0.3	2	7
3004	0.4	4	3
3005	0.8	7	2
3006	0.5	2	12
3007	0.2	3	2
3008	0.6	1	1
3009	1.1	6	2
3010	0.5	27	10
11	0.9	5	1
3012	0.9	4	2
3013	0.3	2	1
3014	1.1	3	1
3015	0.6	14	8
3016	0.3	4	3
3017	0.5	2	2
3018	0.4	2	1
3019	0.4	15	1
3020	2.7	2	5
3021	0.9	2	2
3022	0.6	2	1
3023	1.2	2	2
3024	0.4	2	1

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P.O. BOX 867
TIMMINS, ONTARIO CANADA P4N 7G7
TELEPHONE: (705) 264-9996

Certificate of GEOCHEM

Company: WELCOME NORTH MINES
Project: ROSS RIVER-6
Attention: J.S.BROCK/R.POTTER

File: 8-610/P1
Date: JUNE 5/88
Type: ROCK GEOCHEM

We hereby certify the following results for samples submitted.

Sample Number	AG PPM	AS PPM	AU-FIRE PPB
3025	1.5	9	2
3026	0.4	6	60
3027	0.2	3	15
3028	0.4	4	4
3029	0.6	5	1
3030	0.3	9	6
3031	1.0	8	5
3032	1.2	8	10

TINT

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Specialists in Mineral Environments
705 West 15th Street North Vancouver, B.C. Canada V7M 1T2

PHONE:(604)980-5814 OR (604)988-4524 TELEX:VIA USA 7601067 UC

TSS 6/24

Certificate of GEOCHEM

Company:WELCOME NORTH MINES
Project: *TINTINA FOEX*
Attention:A.J.SCHMIDT

File:8-446/P1
Date:APR.28/88
Type:SOIL GEOCHEM

We hereby certify the following results for samples submitted.

Sample Number	AU-FIRE PPB	AG PPM	AS PPM
E0+00	4	1.6	11
E0+250	2	1.4	12
E0+350	1	1.6	13
E0+475	23	2.5	27
E0+575	12	1.2	24
E0+636	10	1.6	21
E0+770	3	0.6	16
1772	9	0.6	13
4-817	3	1.6	13
4-933	4	1.4	13
-1073(29985)	14	1.6	12
-1235	34	2.3	36
4-1382	4	0.9	14
PIT 4+00	4	1.4	9
PIT 4+407	6	1.1	18
PIT 221	2	0.6	13
PIT 400	2	0.7	12
PIT 575	153	0.8	11
PIT 670	2	0.6	6
PIT 815	5	0.9	42
PIT 1013	5	0.6	16
TINT LOW ON-A	206	1.1	1200
TINT LOW ON-B	43	0.6	800
TINT LOW 25 N	47	0.8	28
TINT LOW 25 MS	296	1.0	400
L1+00E ON	3	0.7	16
L1+00E 25 MS	5	0.6	17
L1+00E 25 MN	8	1.2	17
L0+50E ON	12	0.5	18
L0+50E 25 MN	2	0.8	19

PIT CLAIMS — GENERAL TINTINA

AJS TINT CLAIMS — TINTINA

Certified by _____

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Specialists in Mineral Environments

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PHONE:(604)980-5814 OR (604)988-4524 TELEX:VIA USA 7601067 UC

Certificate of Geochem

Company:WELCOME NORTH MINES
Project:
Attention:A.J.SCHMIDT

File:8-446/P2
Date:APRIL 28/88
Type:SOIL GEOCHEM

We hereby certify the following results for samples submitted.

Sample Number	AU-FIRE PPB	AG PPM	AS PPM
L0+50E 25 MS	4	0.7	10
L0+50W 0M N	12	1.0	18
L0+50E 25 MN(SOIL)	630	1.1	26
L0+50E 25 MS(SOIL)	12	0.4	13
PELLY 0+00	5	0.8	16
PELLY 0+20S	20	0.8	23
PELLY 0+40S	142	3.1	11
PELLY 0+60S	10	1.0	16
PELLY 0+80S	2	0.7	15
PELLY 1+00S	3	0.6	14
PELLY 120S	3	0.5	13
PELLY 1+40S	6	0.8	14
PELLY 1+60S	5	0.6	15
PELLY 1+80S	4	0.7	17
PELLY 2+00S	5	0.6	15
PELLY 9+50(SOIL)	7	1.0	42
PELLY 9+50	83	8.4	144
PELLY 9+70	8	1.0	92
PELLY 9+90	10	0.6	17
PELLY 10+10	6	0.8	15
PELLY 10+40	10	0.6	13
PELLY 11+80	40	7.4	29
PELLY 12+00S	99	11.8	32
PELLY 12+40	78	6.3	5
PELLY 12+60	14	0.6	14
PELLY 12+80	4	0.4	17
PELLY 13+00	3	0.6	19
PELLY 13+20	10	0.6	16
TINT0	36	2.6	105
TINT77	20	2.2	97

TINT CLAIMS

PELLY CLAIMS

TINTINA

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Specialists in Mineral Environments

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PHONE:(604)980-5814 OR (604)988-4524 TELEX:VIA USA 7601067 UC

Certificate of Geochem

Company:WELCOME NORTH MINES
Project:
Attention:A.J.SCHMIDT

File:8-446/P3
Date:APRIL 28/88
Type:SOIL GEOCHEM

We hereby certify the following results for samples submitted.

Sample Number	AU-FIRE PPB	AG PPM	AS PPM
TINT 186	26	2.0	50
TINT 274	10	1.6	15
TINT 393	18	1.0	40
TINT 486	3	0.5	17
TINT 614	4	0.8	11
TINT 720	2	0.7	16
TINT 865	3	0.6	8
TINT 923	5	0.3	4
ART 1 127	3	0.5	9
ART 1 288	21	0.6	11
ART 1 562	3	0.9	8
ART 1 638	2	1.0	4
ART 1 980	2	0.5	7
ART 1 1440	6	0.4	14
ART 0+00	4	0.3	6
ART 1 LINE 3.00	3	0.4	10
ART 1 LINE 1+00W	12	0.9	19
ART 1 LINE 2+00W	2	0.6	8
ART 1 LINE 3+00W	5	0.2	3
ART 1 LINE 3 4+00W	10	0.7	19
ART 1 L.3 5W	3	0.9	22
ART 1 LINE 3 6W	3	0.6	12
ART 1 433 N	4	0.8	7
ART 1 845 N	3	0.6	9
ART 1 1251 N	2	0.4	7
D B 1	8	2.4	5
D B 2	4	0.9	12
D B 3	10	1.0	14
D B 4	11	0.6	19
D B 5	4	0.9	22

TINT GROUP

TINTINA

ART'S A-1 SHOW

GENERAL

TINTINA

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Specialists in Mineral Environments

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PHONE:(604)980-5814 OR (604)988-4524 TELEX:VIA USA 7601067 UC

Certificate of GEOCHEM

Company:WELCOME NORTH MINES
Project:
Attention:A.J.SCHMIDT

File:8-446/P4
Date:APR.28/88
Type:SOIL GEOCHEM

We hereby certify the following results for samples submitted.

Sample Number	AU-FIRE PPB	AG PPM	AS PPM
TINT L1+00W ON	93	1.8	31
TINT L0+50W 25MN	6	0.6	36
TINT L0+50W 25MS	4	0.6	17

TINT Claims

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705 West 15th Street North Vancouver, B.C. Canada V7M 1T2

PHONE:(604)980-5814 OR (604)988-4524 TELEX:VIA USA 7601067 UC

Certificate of GEOCHEM

Company:WELCOME NORTH MINES
Project:
Attention:A.J.SCHMIDT

File:8-446/P1
Date:APRIL 28/88
Type:ROCK GEOCHEM

We hereby certify the following results for samples submitted.

Sample Number	AU-FIRE PPB	AG PPM	AS PPM
29962	2	0.6	21
29963	4	0.4	12
29964	9	2.4	18
29965	11	2.6	14
29966	8	1.2	15
29967	2	1.3	9
29968	38	4.7	13
29969	191	2.2	18
29970	48	1.0	22
29971	3	0.8	9
29972	4	1.3	9
29973	12	2.7	42
29974	4	1.8	27
29975	2	0.2	5
29976	910	0.5	5
29977	27	0.3	6
29978	4	0.8	4
29979	23	0.6	65
29980	3	0.4	9
29981	2	1.5	4
29982	2	1.4	3
29983	4	0.7	4
29984	2	1.0	6
29985	1	0.6	5
29986	6	0.2	10
29987	3	0.2	2
29988	14	0.5	4
29989	2	0.2	5
29990	3	0.2	47
29991	12	0.3	32

PELLY CLAIMS

PIT CLAIMS

TINTINA GENERAL

TINT CLAIMS

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Specialists in Mineral Environments

705 West 15th Street North Vancouver, B.C. Canada V7M 1T2

PHONE:(604)980-5814 OR (604)988-4524 TELEX:VIA USA 7601067 UC

Certificate of GEOCHEM

Company:WELCOME NORTH MINES
Project: TINTINA OEX
Attention:A. J SCHMIDT

File:8-446/P2
Date:APR. 28/88
Type:ROCK GEOCHEM

We hereby certify the following results for samples submitted.

Sample Number	AU-FIRE PPB	AG PPM	AS PPM
29992	2	0.9	3
29993	1	.4	4
29994	3	.2	1
29995	1	3.4	1
29601	36	3.6	28
29602	2	1.1	7
29603	15	.6	11
29604	10	1.2	10
29605	2	1.3	10
29606	1	.8	3
29607	1	1.3	2
29608	2	.8	2
29609	5	1.0	3
29610	8	1.1	14
RR1	3	.8	14
29615 RR2	1	.8	15
29614 RR3	2	1.4	21
29613 RR4	40	1.8	750
29612 RR5	2	.4	19
29611			

TNT GROUP
PELLY CLAIMS
PIT CLAIMS
ARTS NO. 1-A-1
KETZA CLAIM
DEEP CREEK
TINTINA
TINTINA GENERAL

Certified by

MIN-EN LABORATORIES LTD.

APPENDIX III

SUMMARY OF EXPENDITURES

EXHIBIT "F"

WELCOME NORTH MINES LTD

EXPLORATION EXPENSES
TINT PROPERTY

AS OF MAY 31, 1988

	PREVOIUS REPORT	CURRENT MONTH	Y.T.D. ACTUAL	Y.T.D. BUDGET	OVER/(UNDER) BUDGET
ANALYSIS - GEOCHEMICAL	0.00	5,958.25	5,958.25	20,000.00	(14,041.75)
ANALYSIS - ASSAYS	0.00	557.69	557.69	0.00	557.69
CAMP MAINTENANCE	0.00	5,180.14	5,180.14	0.00	5,180.14
CONSULTING-ENVIRONMENTAL	0.00	0.00	0.00	0.00	0.00
CONSULTING-GEOLOGICAL	0.00	2,700.00	2,700.00	0.00	2,700.00
CONSULTING-METALLURGICAL	0.00	0.00	0.00	0.00	0.00
EXPEDITING	0.00	10.00	10.00	0.00	10.00
DRILLING	0.00	0.00	0.00	0.00	0.00
MAPS, PRINTS & DRAFTING	0.00	2,984.53	2,984.53	0.00	2,984.53
PROP.ACQ. & OPTION PAYMENTS	0.00	0.00	0.00	0.00	0.00
PROPERTY MAINTENANCE	0.00	0.00	0.00	0.00	0.00
SALARIES	0.00	435.73	435.73	8,900.00	(8,464.27)
SURVEYS - GEOCHEMICAL	0.00	0.00	0.00	0.00	0.00
SURVEYS - GEOPHYSICAL	0.00	0.00	0.00	0.00	0.00
SURVEYS - CONTROL	0.00	0.00	0.00	0.00	0.00
SURVEYS - LINECUTTING	0.00	0.00	0.00	0.00	0.00
SURVEYS - OTHERS	0.00	0.00	0.00	0.00	0.00
TRANSPORTATION-AIRLINES	0.00	4,000.00	4,000.00	0.00	4,000.00
TRANSPORTATION-FIXED WING	0.00	0.00	0.00	0.00	0.00
TRANSPORTATION-FREIGHT	0.00	0.00	0.00	0.00	0.00
TRANSPORTATION-HELICOPTER	0.00	0.00	0.00	0.00	0.00
TRANSPORTATION-VEHICLE	0.00	1,063.89	1,063.89	0.00	1,063.89
TRENCHING & ROADS	0.00	0.00	0.00	0.00	0.00
UNDERGROUND	0.00	0.00	0.00	0.00	0.00
MISCELLANEOUS - INDIRECT	0.00	4,000.00	4,000.00	0.00	4,000.00
PROJECT MANAGEMENT FEE	0.00	0.00	0.00	0.00	0.00
	0.00	26,890.23	26,890.23	28,900.00	(2,009.77)

APPENDIX IV

ENGINEER'S CERTIFICATE

I, Robert G. Potter of 150 Andrew Place, Fulford Harbour, in the Province of British Columbia, Canada, DO HEREBY CERTIFY that:

1. I am a consulting Geological Engineer.

2. I am a graduate of the University of British Columbia (B.A.Sc. 1961) and of McGill University (M.Sc. Applied 1972).

3. I am a member in good standing of the Association of Professional Engineers of British Columbia.

4. This report is based on the results of work carried on under my direct supervision and on available published data.

5. I have no interest in the Tint property or in other properties or securities of Welcome North Mines Ltd. nor do I expect to receive any.

Dated at Vancouver, British Columbia this day of December, 1988.

Robert G. Potter, P.Eng.

APPENDIX V

REFERENCES

Archer Cathro and Associates: Northern Cordilleran Mineral Inventory.

Boyle, R.W., 1979: The Geochemistry of Gold and Its Deposits. G.S.C. Bull. 280.

Buisson, G., and LeBlanc, M., 1986: Gold-bearing Listwaenites (carbonatized ultramafic rocks) in Ophiolite Complexes, in Metallogeny of basic and ultrabasic rocks: London Institute Mining Metallurgy, p. 121-132.

Duke, J.L., and Godwin, C.I., 1986: Geology and Alteration of the Grew epithermal gold-silver prospect, south-central Yukon, in Yukon Geology Vol. I, D.I.A.N.D.

Fisher, R.V., and Schmincke, H., 1984: Pyroclastic Rocks: Springer - Verlag.

Jackson, L.E., et al 1986: Bimodal Paleogene Volcanics near Tintina Fault, East-central Yukon and Their Possible Relationship to Placer Gold, in Yukon Geology Vol. I, D.I.A.N.D.

Templeman-Kluit, D., et al, 1977: Compilation of the Geology of Quiet Lake (105F) and Finlayson Lake (105G). G.S.C. Open File 486.

REGIONAL PROSPECTING AND GEOCHEMICAL SURVEYS

The Ross River Gold Belt contained within the Yukon's Tintina Trench has demonstrated potential for occurence of large epithermal gold deposits. Welcome North acquired several properties within the immediate Tintina Trench system which hold excellent potential for discovery of gold mineralization.

Using the model that epithermal gold mineralization is associated with Tertiary volcanism and faulting, Welcome North initiated a regional program to explore for gold mineralization within areas of Tertiary volcanism outside the immediate boundaries of the Tintina Fault system.

The main areas of interest included the front of the Pelly Mountains which could contain sediment hosted epithermal gold mineralization related to splays of the Tintina System as well as the large exposure of the Tertiary South Fork volcanics north of Ross River which potentially could host volcanic hosted gold mineralization.

The following list summarizes N.T.S. map sheets in which the regional program was conducted:

105 F/9
105 F/15
105 F/16
105 G/12
105 J/4
105 J/5
105 J/11
105 J/12
105 J/13
105 K/1
105 K/2
105 K/3

The regional program was designed to "Fast Track" areas of interest into gold exploration targets by a program of reconnaissance prospecting, heavy mineral sampling and silt sampling. Target areas were then followed up with rock sampling and soil sample traverses. Note that only selected portions of the above map sheets were evaluated by the above programs. Logistical support was provided by Trans North Turbo Air located in Ross River.

Summaries of the program along with sample results and target areas for each N.T.S. map sheet follow. Sample location maps for each N.T.S. sheet may be noted in Volume II.

SUMMARY

105F/9

Heavy mineral sampling and prospecting was carried out on 105F/9. This work was designed to evaluate the carbonate and clastic sedimentary rocks southwest of the Tintina Trench for their gold potential. This work found anomalous gold values in two areas. In one of the areas, two soil samples, GNL-1 and 2 were found to be anomalous for arsenic and gold respectively. However, follow-up soil sampling could not reproduce the values obtained in the initial samples.

Anomalous quantities of gold were also found in an oolitic limestone that forms large float blocks in a creek. A heavy mineral sample collected immediately downstream from the float had only background gold levels. Despite the low gold content of the heavy mineral sampling, the presence of anomalous gold in a limestone warrants further work. The area of the float should be prospected to locate its source and further rock sampling should be carried out.

Heavy mineral sampling defined a large area anomalous for lead and zinc with some samples also anomalous for silver and copper. Source of the anomalous base metals is uncertain, but maybe quartz veins mineralized with minor amounts of galena, sphalerite and chalcopyrite silimar to that found on map sheets 10F/15 and 16.

SOIL GEOCHEM SAMPLES

(Values in ppm)	Ag	As	Cu	Pb	Sb	Zn	Au-ppb
JAS2	1.4	33	53	43	7	229	5
JAS3	1.7	43	35	38	5	250	20
JAS4	1.5	36	36	38	3	235	5
JAS5	1.6	38	34	32	4	212	5
JAS6	1.0	20	22	45	2	133	10
GNL1	0.4	**191**	34	48	12	**879**	**50**
GNL2	1.5	**107**	22	55	40	53	10
GNS1	1.5	42	46	34	2	253	5
GNS2	1.3	61	34	27	2	160	10
GNS3	1.3	54	33	29	1	244	5
GNS4	1.1	58	32	27	1	228	5
JML52	2.3	31	47	25	7	229	5
JML53	2.3	36	47	24	5	193	5
JML54	2.4	59	39	26	6	199	5
JML55	2.4	44	60	18	4	122	5
JML56	2.0	49	64	24	4	119	5
JML57	2.3	36	38	11	3	64	10
JML58	2.0	39	40	16	3	64	5
JML59	1.1	24	120	23	1	193	5
JML60	1.9	33	65	19	2	113	5
JML61	2.2	36	58	27	2	157	5
JML62	2.1	38	45	20	3	64	5

SOIL GEOCHEM SAMPLES CONTD.

(Values in ppm)	Ag	As	Cu	Pb	Sb	Zn	Au-ppb
JML63	1.9	34	62	18	2	112	10
JML64	2.2	86	49	21	4	173	5
JML65	1.6	42	77	23	1	124	5
JML66	2.2	40	34	21	5	169	10
JML67	2.5	83	60	30	7	113	5
JML68	2.5	75	40	24	7	157	5
JML69	2.7	44	52	23	6	197	10
JML70	2.5	55	42	19	7	157	5
JML71	2.3	74	44	24	6	172	5
JML72	2.6	43	51	26	2	163	10
JML73	2.5	57	66	24	3	189	5

HEAVY MINERAL SAMPLES

(Values in ppm)	Ag	As	Cu	Pb	Sb	Zn	Au-ppb	Hg-ppb
JAB8	12.0	64	102	274	9	3603	34	1625
JAB9	2.1	15	358	204	1	2063	7	975
JAB10	5.2	36	56	340	5	1188	57	475
JAB11	2.7	20	58	59	2	811	18	650
JAB12	1.2	10	47	863	2	1462	4	795
JAB13	6.2	37	89	1400	6	2003	17	950
JAB14	5.0	45	86	464	6	1143	35	475
JAB15	0.5	24	48	304	1	448	5	425
JAB22	1.2	18	78	436	3	1212	7	500
JAB23	2.5	26	310	185	7	1359	9	650

ROCK SAMPLES

	Au (g/t)	Ag (g/t)	Cu %
718	.02	0.3	.01
719	.07	1.0	.006
720	.03	0.2	.01
751	3 ppb	0.8	
752	1 ppb	0.9	
753	2 ppb	0.5	
754	3 ppb	0.3	
755	1 ppb	0.5	
756	4 ppb	0.6	
757	2 ppb	0.4	
769	4 ppb	0.7	
770	2 ppb	0.7	
771	1 ppb	0.5	
772	11 ppb	0.6	

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Heavy mineral samples outline a broad zone of quartz-veined shale, known as the Angie trend. Within this area, anastomosing quartz veins, locally mineralized with chalcopyrite, and lesser galena occur. The veining is stratabound to a graphitic shale and siltstone adjacent to its contact with limestone. Rock samples of the vein material yielded copper values to 0.7% Cu. Silver values to 48 glt are associated with copper mineralization; however gold values are low. Although the copper and silver mineralization is locally high-grade, the limited extent of these zones of better grades, preclude further work.

The levels of As, Cu, Pb and Zn found in bulk, silt and soil samples are explainable by the mineralization found during reconnaissance prospecting and by the earlier work carried out by Welcome North in the late 1970's.

J. McClintock November 16, 1988
105F-15

Soil & Silt

	Ag	As	Cu	Pb	Dn	Zn	Au
MR 2A	1.2	5	64	66	5	872	5
MR 21L	1.2	5	64	66	5	1680	5
MR 22L	1.2	9	87	56	3	2418	10
MR 23S	1.5	31	28	41	8	525	5
MR 24S	2.1	35	52	44	9	504	5
MR 25S	1.5	31	34	40	6	346	10
MR 26S	1.2	31	32	37	6	240	5
MR 27S	1.3	40	32	31	7	183	5
MR 28S	0.9	35	28	43	6	280	5
JMS 16	1.0	25	44	32	1	193	5
JMS 17	1.2	37	70	44	2	1602	5
JMS 18	1.0	18	75	34	8	261	5
JMS 20	1.3	53	36	47	11	269	5
JMS 21	1.6	42	22	44	7	215	5
JMS 22	1.4	36	23	50	7	233	5
JMS 23	1.4	42	31	50	7	270	5
JMS 24	1.2	49	27	63	7	330	10
JMS 25	1.3	51	33	53	8	283	5
JMS 26	1.4	35	23	39	6	242	5
JMS 27	1.6	55	34	62	8	295	5
JMS 28	1.3	30	16	79	6	331	5
JMS 29	1.2	27	19	39	6	183	5
JMS 30	1.5	29	30	41	7	580	10
JMS 31	1.3	31	34	35	5	411	5
JMS 32	1.2	32	28	31	6	316	5
JMS 33	1.3	31	19	33	5	144	5
MVS 1	1.4	34	41	40	8	272	5

MAP SHEET
105F-15

Heavy Mineral Samples

	Ag	As	Cu	Pb	Sb	Zn	Hg	Au
MR 23B	1.1	1	234	77	1	12,437	415	14
JMB 8	0.3	1	30	3	1	2,213	180	7
JMB 9	0.4	25	123	38	2	858	-	7
JMB 10	17.0	449	101	171	23	958	-	6
GNB 17								
GNB 19								
GNB 20								
GNB 27								
JAB 34								
JAB 35								
JAB 36								
JAB 41	0.9	54	-	42	-	-	-	13
JAB 43	0.9	54	202	42	8	949	-	13
JAB 42	1.5	1	149	38	5	1,994	-	1
JAB 44	3.5	154	141	101	9	1,668	-	7
JAB 45	6.0	52	142	197	3	1,123	-	32
JAB 46	0.2	26	38	61	1	376	-	1
JAB 47	0.2	114	141	89	4	733	-	4

SUMMARY

A 30 metre thick unit of sericite schist, is deeply weathered, strongly jarosite stained with some remaining pyrite. The showing forms a prominent colour anomaly. Initial rock samples, 723, 724, 725 and 726 were anomalous for copper (up to 0.076%) with 725 and 725 also anomalous for gold (.09 gpt, 0.05 gpt).

A line of soil samples was run across the gossan (samples JAS 7-9). These samples were anomalous for lead and copper (except JAS 9).

In early July additional rock samples were collected from the zone and the surrounding wall rock. These samples returned much lower results for gold and copper.

The zone which is estimated to have contained up to 15% sulfides prior to weathering, appears to be a stratiform unit within the schist/gneiss package and probably was a pyritic shale. The anomalous levels of copper, lead (from soils) and silver-gold suggest some potential for stratiform lead-zinc deposit.

PELLY MOUNTAINS

Prospecting in the Pelly Mountains adjacent to the main strand of the Tintina Fault found numerous occurrences of chalcopyrite in anastomosing shear-hosted quartz veins in graphitic shale. Most soil, silt and heavy mineral samples collected in this region had anomalous, or elevated levels of copper, zinc, arsenic and lead. One sample, MRB 14 has 123 ppb Au.

The largest of the quartz vein showings, known as the Mike Showing, consisted of a Quartz vein stockwork in thinly bedded graphitic siltstone. Veins are mineralized with chalcopyrite and malachite. Maximum width of the zone is 10 metres and is stratabound to a thicker bedded sequence of siltstone. The zone can be traced in rubble for 30 metres along strike. Gold and silver content of the copper mineralization is low. The limited size of this zone precludes further work.

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105F-16

595

This sample was of a green-coloured andesite with approximately 1% chalcopyrite. Analysis of the rock showed it to have 265.0 gpt Ag and 3650 ppm copper. Source of the single piece of float was not found, and no other andesite out-croppings were found. It is suspected that the rock may belong to the Mv unit of Templeman Kluit which occurs 3 kilometres southwest of the float occurrence. Some consideration should be given to prospecting the Mv unit to discover the source of the silver-bearing float.

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MAP SHEET 105F-16

Heavy Mineral Samples

	Ag	As	Cu	Pb	Sb	Zn	Hg	Au
JMB 4	1.3	5	141	85	1	1204	215	6
JMB 5	0.1	72	276	107	3	816	325	21
JMB 6	0.1	9	200	62	1	1081	175	33
JMB 7	2.0	12	58	86	2	833	325	12
MRB 12	0.2	9	135	38	1	2285	210	4
MRB 14	2.2	22	62	68	3	1226	400	123
MRB 19	0.3	15	260	99	2	2134	200	7
MRB 4	2.8	21	167	360	4	2512	275	8

Soil & Silt Samples

	Ag	As	Cu	Pb	Sb	Zn	Au
JMS 1	1.3	40	41	87	4	454	5
JMS 2	1.3	50	30	34	5	435	10
JMS 3	0.9	48	31	49	5	473	5
JMS 4	1.0	39	39	47	3	644	5
JMS 6	0.9	43	202	34	5	242	5
JMS 7	1.2	49	21	36	5	746	5
JMS 8	1.2	35	65	38	3	492	10
JMS 9	0.9	13	288	37	3	1337	10
JMS 10	0.9	16	130	33	8	1173	5
JMS 11	1.5	68	97	52	15	620	5
JMS 12	0.5	13	35	38	3	422	5
JMS 13	1.1	37	80	52	14	742	5
JMS 14	1.3	31	71	48	15	622	20
JMS 15	1.2	48	45	41	11	395	10
MR 1	3.1	60	49	24	41	173	5
MR 2	1.8	12	69	17	12	431	10
MR 3	2.9	15	130	19	57	461	5
MR 5	1.4	43	26	16	12	70	5
MR 6	2.2	19	64	23	9	309	10
MR 7	1.1	6	92	16	50	376	20
MR 8							
MR 9							
MR 10	0.9	35	72	57	4	738	5
MR 11	1.0	11	50	41	1	708	5
MR 15							
MR 16							
MR 17	1.1	17	71	48	8	859	20
MR 18	0.8	16	69	49	9	554	5

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Soil & Silt Samples (Con'td.)

	Ag	As	Cu	Pb	Sb	Zn	Au
JAS 7	1.8	119	87	138	6	189	10
JAS 8	0.6	63	53	42	4	153	5
JAS 9	0.4	42	25	50	1	124	5
CW88-63D	1.5	34	22	28	3	115	10
64D	1.7	37	19	33	3	118	5
65D	1.6	36	21	22	4	91	5
66D	1.4	27	32	28	1	120	10
67D	1.5	29	25	26	1	111	5
68D	1.6	27	23	23	2	100	5
69D	1.3	17	52	38	1	316	5
70D	1.6	53	62	35	2	127	10
71D	1.3	27	53	36	1	138	5
72D	2.1	40	30	20	5	73	15
73D	1.0	14	123	62	1	122	75
74D	0.7	8	49	22	1	97	10
75D	2.2	46	30	11	5	14	5
76D	1.5	30	29	29	2	101	10
77D	1.8	37	35	20	3	61	5
78D	1.5	35	35	19	2	57	5
79D	1.4	24	28	19	1	73	10
80D	1.3	13	26	24	1	74	5
81D	1.8	32	34	35	3	109	5
82D	1.3	37	27	40	4	127	5
83D	1.5	26	38	28	2	98	10

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Rock Samples	Au (ppb)	Ag	Cu (ppm)
1	11 ppb	2.8	
2	2	0.3	
3	1	2.6	
4	3	1.9	
5	18	2.7	
6	4	0.4	
7	7	1.6	
8	5	2.0	
583			
584	3	0.5	
585	2	0.2	
596	22	4.7	
587	2	2.1	
588	1	0.4	
589	8	1.4	
590	8	5.1	7600
591	5	0.5	
592	2	0.3	
593	3	26.3	560
594	2	13.9	335
595	-	-	-
606	.01 gpt	1.0	
607	.03	0.2	
610	.01	0.2	
611	.02	0.1	
612	.06	0.2	
723	.03	0.2	.076%
724	.01	0.2	.015%
725	.09	0.1	.008%
726	.06	0.2	.005%
758	18 ppb	1.0	
759	21	1.2	
760	2	0.7	
761	3	0.8	
721	.05	0.5	0.257%
722	.02	4.3	2.89 %

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105F-16

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Work on Map Sheet 105G-12 focused on the area southwest of Welcome North Mines claims and to a lesser extent in the region of the trench on strike with the Welcome North claims.

Two heavy mineral samples were anomalous for gold, JAB 1 and JAB 16. Sample JAB 1 contained 4375 ppb and was collected from a small stream draining ultramafic rocks. Prior to receipt of the analysis, the area from where the sample was collected was staked by Northern Dynasty and Noranda. Follow-up of sample JAB 16 found the drainage to be underlain by sheared and faulted graphitic siltstone and shale containing discontinuous quartz veins. Traces of chalcopyrite and galena occur locally in the quartz. This weak mineralization is the probable source of the anomalous values in JAB 16.

Heavy mineral sampling highlighted the area southwest of the Tintina Fault as a regional anomaly for Cu, Pb and Zn. Source of the anomalous values in these elements is believed to be minor amounts of chalcopyrite, galena and a sphalerite in quartz veins in sheared black shale and siltstone. This same band of shale and siltstone was also found to be anomalous for Cu, Pb and Zn on map sheet 105F, 9, 15 and 16. In all, heavy mineral sampling highlighted a 40 kilometre length of the shales to be anomalous for Cu, Pb and Zn. Source of the anomalous levels of these elements was found to be minor amounts of chalcopyrite, galena and sphalerite in anastomosing quartz stringers cutting the shales. The low-grade of copper, lead and zinc in this stockwork mineralization makes them a unattractive exploration target.

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105G-12

Heavy Mineral Samples

	Ag	As	Cu	Pb	Sb	Zn	Au (ppb)
JMB 1	0.6	5	141	85	1	1204	6
JMB 2	1.9	72	276	107	3	816	21
JMB 3	1.9	9	200	62	1	1081	33
GNB 4	0.4	4	32	5	1	449	12
GNB 5	2.2	51	206	141	3	484	8
JAB 1	12.3	63	72	86	1	362	4375
JAB 2	12.3	325	210	48	9	170	64
JAB 3	6.2	71	323	143	6	1344	55
JAB 4	5.4	51	264	161	6	1218	10
JAB 5	4.0	32	73	57	4	384	32
JAB 6	1.4	43	298	78	1	881	6
JAB 7	3.8	24	16	47	4	117	13
JAB 16	5.3	38	52	134	4	486	188
JAB 17	3.3	30	49	56	4	318	13
JAB 19	0.1	13	15	162	4	736	12
JAB 18	8.9	18	247	134	3	922	12
JAB 20	2.5	37	160	99	3	432	17
JMB 14	2.2	7	272	164	10	1543	42

Soil & Silt Samples

	Ag	As	Cu	Pb	Sb	Zn	Au (ppb)
JMS 100	1.2	26	23	20	2	132	10
JMS 101	1.6	31	25	35	2	141	5
JMS 102	1.7	37	27	21	4	112	5
JMS 103	1.3	37	28	20	2	108	5
JMS 104	1.7	25	24	27	2	134	5
JMS 105	1.2	47	31	26	4	121	5
JMS 106	1.5	10	24	22	1	174	5
JMS 107	1.5	21	25	30	1	189	10
JMS 108	1.7	22	24	24	1	245	5
DH88-123S	0.3	1	9	24	1	96	5
DH88-124S	1.5	26	16	18	1	54	10
DH88-125S	1.4	13	15	21	1	66	10

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Silt & Soil Samples (Cont'd.)

	Ag	As	Cu	Pb	Sb	Zn	Au (ppb)
DH88-126S	1.7	29	15	15	2	62	5
DH88-127S	1.4	20	18	15	1	78	5

Rock Samples

	Au (gpt)	Ag (gpt)
608	.02	1.0

The primary exploration target on this sheet was the South Fork Volcanics and younger Tertiary outliers of ash flows. With the exception of silt sample (GNS 12) all samples were low for analyzed elements. Sample GNS 12 is anomalous for gold and has elevated values in lead and silver. Because this sample was collected from a stream draining an area underlain by Tertiary volcanic and intrusive rocks of comparable age to those hosing the Grew Creek deposit, detailed prospecting and geochemical sampling is warranted. Prospecting should focus on locating either a disseminated gold mineralization within a broad zone of clay altered, silicified tuffs or a gold-bearing quartz vein.

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105J-4

October 3, 1988

Soil & Silt Samples

	Ag	As	Cu	Pb	Sb	Zn	Au (ppb)
GNS 5	0.6	26	11	6	11	95	5
GNS 6	0.8	32	27	13	9	109	5
GNS 7	0.1	34	11	10	3	95	5
GNS 8	0.4	17	10	9	7	98	5
GNS 9	0.9	15	11	30	5	63	5
GNS 10	0.4	25	10	7	5	114	10
GNS 11	0.6	26	15	2	7	104	10
GNS 12	1.0	7	18	32	3	116	20
GNS 13	0.3	23	24	18	1	225	10
GNS 14	0.3	23	21	21	3	149	5
GNS 18	0.3	38	15	55	7	282	10
JAS 10	0.4	3	10	30	4	64	5

Heavy Mineral

	Ag	As	Cu	Pb	Sb	Zn	Au (ppb)
JAB 58	0.7	6	2	19	1	68	3
JAB 59	1.1	8	2	43	1	74	3

Rock Samples	Au (ppb)	Ag (ppm)
727	11	0.4
728	3	0.6

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105J-4

October 3, 1988

Work on the 105J-5 sheet centered on evaluating both the Cretaceous-age South Fork Volcanics and Tertiary tuffs and related rhyolitic intrusives. Several gossans were sampled and reconnaissance heavy mineral sampling was carried out. Targets identified which warrant further work are the Pandora Claims, South Tay Gossan, Tay Lake area and the Canol Gossan. Each of these targets is described below.

CANOL GOSSAN

A prominent gossan associated with an elliptical stock of Tertiary quartz prophyry intrusive into South Fork dacitic ash-flows. The porphyry has sericitically altered feldspars and has up to 3% disseminated pyrite. One rock sample of the altered porphyry has anomalous levels of gold (96 ppb). The presence of low, but anomalous gold levels in an altered rhyolite is encouraging and warrants further more detailed sampling of the stock. Also, the area surrounding the stock should be prospected for veins and other epithermal deposits that might be related to hydrothermal activity associated with the intrusion.

SOUTH GOSSAN

The South Tay Gossan overlies a series of east-westerly oriented Tertiary rhyolite quartz feldspar porphyry stocks and dykes. Although rock samples of the rhyolite were low for gold and silver, two heavy mineral samples, KAB 51 and 52 contained anomalous levels of As, Ag and Pb. Some consideration should be given to follow-up sampling and prospecting of the area for epithermal vein-type deposits.

TAY LAKE AREA

JAB 63, a heavy mineral sample, was collected from a southerly flowing creek draining into the east end of Tay Lake, was highly anomalous for Ag, As, Cu, Pb, Sb and Zn. Subsequent prospecting and silt sampling failed to find a possible source of the anomalous values. Most of the follow-up prospecting was carried out in the upper area of the drainage in an area underlain by South Fork Volcanics while the heavy mineral sample was collected in a area underlain by Tertiary ash-flow tuffs. Because of the very anomalous levels present in JAB 63, a re-examination of the region focussing on the lower portion of the drainage is warranted to search for silver mineralization similar to that present in Tertiary volcanics on the Mount Mye property of Doron Exploration Inc. and Lacana Mining.

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105J-5

Soil & Silt Samples

	Ag	As	Cu	Pb	Sb	Zn	Au (ppb)
GNS 23	0.5	1	8	17	4	85	2
JMS 130	2.3	21	12	20	1	51	5
JMS 131	1.8	15	8	19	1	63	5
JMS 132	1.5	33	4	18	1	64	5
JMS 133	1.1	22	3	21	1	68	5
JMS 134	0.8	17	5	22	1	71	10
JMS 135	1.4	26	5	23	1	67	10
JMS 136	2.1	31	13	14	1	47	5
JMS 137	2.5	26	8	20	1	52	10
JMS 138	0.3	3	9	23	1	58	5
JMS 139	2.0	5	5	18	1	61	10
MVS 9	1.1	10	20	31	1	140	2

Heavy Mineral Samples

	Ag	As	Cu	Pb	Sb	Zn	Au (ppb)
JAB 51	1.3	144	3	94	5	262	7
JAB 52	3.7	60	4	62	4	152	12
JAB 53	0.2	20	1	21	1	76	2
JAB 54	0.8	21	2	33	2	89	3
JAB 55	0.6	10	2	40	2	248	5
JAB 56	1.0	18	22	59	2	422	10
JAB 57	0.7	11	4	38	1	310	10
JAB 60	0.7	12	3	32	1	100	9
JAB 61	0.4	1	1	14	1	36	2
JAB 62	1.5	13	2	25	1	57	6
JAB 63	34.5	881	200	340	44	1954	12
GNB 47	0.6	50	2	18	2	35	12
GNB 48	2.0	58	5	64	6	140	7
GNB 49	0.1	23	5	68	4	307	3
GNB 50	1.3	13	1	34	3	91	17
GNB 51	1.0	7	2	25	1	92	3
GNB 52	2.0	12	2	38	1	83	4
GNB 53	1.6	27	3	44	1	121	3
GNB 54	1.4	116	2	64	3	126	9
GNB 55	0.2	73	24	17	1	267	2450
B-1							

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Rock Samples	Au (gpt)	Ag (gpt)
219	0.02	0.3
220	0.01	0.4
221	0.01	0.2
222	0.02	0.3
729	2 ppb	0.5
730	2 ppb	0.4
742	6 ppb	-
743	2 ppb	-
767	96 ppb	2.2
768	9 ppb	1.4
830	.02	0.2
175	.02	1.4
176	.01	0.2
177	.01	0.2

Heavy Mineral Samples

	Ag	As	Cu	Pb	Sb	Zn	Au	Hg
JML 26	0.1	12	10	22	1	232	562	
JML 27	1.6	54	667	619	21	3648	11	

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PANDORA AREA

Soil & Silt Samples

	Ag	As	Cu	Pb	Sb	Zn	Au (ppb)
JMS 110	1.7	28	20	16	3	97	5
JMS 111	2.0	35	19	15	6	72	10
JMS 112	1.2	23	10	24	3	93	5
JMS 113	1.3	55	9	21	5	90	10
JMS 114	1.0	25	7	22	3	87	5
JMS 115	0.8	52	7	17	2	95	20
JMS 116	0.5	51	6	18	1	137	5
JMS 117	0.8	44	5	26	2	93	5
JMS 118	0.5	32	7	22	1	92	5
JMS 119	1.1	18	9	15	3	99	10
JMS 120	0.5	1	6	25	1	91	5
JMS 121	1.7	34	18	15	6	52	5
JMS 122	0.5	39	7	27	2	96	5
JMS 123	0.4	10	7	20	2	100	5
JMS 124	0.3	1	8	32	1	113	10
JMS 125	0.5	27	6	30	1	101	5
JMS 126	1.4	11	10	22	5	93	5
JMS 127	1.5	26	20	17	2	96	5
JMS 128	1.5	40	24	12	4	92	10
JMS 129	0.3	24	7	26	1	97	15
JMS 201	1.0	4	-	-	-	-	15
JMS 202	1.3	6	-	-	-	-	10
JMS 203	1.5	8	-	-	-	-	5
JMS 204	1.0	27	-	-	-	-	5
JMS 205	1.2	17	-	-	-	-	10
JMS 206	1.6	24	-	-	-	-	5
JMS 207	1.3	21	-	-	-	-	5
JMS 208	1.7	16	-	-	-	-	5
JMS 209	1.2	16	-	-	-	-	5
JMS 210	1.8	27	-	-	-	-	5
JMS 211	1.7	16	-	-	-	-	10
JMS 212	1.2	54	-	-	-	-	5
JMS 213	1.7	26	-	-	-	-	5
JML 74	1.2	119	8	61	5	77	10
JML 75	1.5	101	12	40	5	54	10
JML 76	1.4	54	4	43	5	45	5
JML 77	3.4	411	27	56	11	60	115

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PANDORA AREA

Soil & Silt Samples

	Ag	As	Cu	Pb	Sb	Zn	Au (ppb)
JML 78	2.3	294	5	38	13	36	40
JML 200	1.2	22	-	-	-	-	10
JML 201	1.7	71	-	-	-	-	5
JML 202	1.6	58	-	-	-	-	5
JML 203	1.1	41	-	-	-	-	10
JML 204	1.4	34	-	-	-	-	5
JML 205	1.2	24	-	-	-	-	5

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PANDORA AREA (Cont.d)

Rock Samples

	Ag	As	Cu	Pb	Sb	Zn	Au (ppb)
59	18.7	3074	19	1685	29	35	16
67	17.3	2174	21	1484	24	17	90
68	3.4	221	9	74	14	11	19
69	2.9	150	6	41	14	13	12
70	3.3	282	10	25	18	20	17
71	4.2	86	37	23	12	12	6
79	2.6	195	3	28	15	13	23
80	1.4	-	-	-	-	-	2
86	0.9	-	-	-	-	-	6
87	1.2	-	-	-	-	-	3
88	1.1	-	-	-	-	-	19
89	1.5	-	-	-	-	-	20
90	0.9	-	-	-	-	-	21
91	0.3	-	-	-	-	-	5
92	1.2	-	-	-	-	-	17
93	1.5	-	-	-	-	-	24
94	0.4	-	-	-	-	-	7
95	0.4	-	-	-	-	-	4
96	1.3	-	-	-	-	-	3
97	0.5	-	-	-	-	-	5
98	1.1	-	-	-	-	-	6
99	2.0	-	-	-	-	-	8
100	2.4	-	-	-	-	-	14
901	-	-	-	-	-	-	-
902	-	-	-	-	-	-	-

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MOUNT RIDDELL AREA

Heavy mineral sampling of drainages in the Mount Sheldon and Mount Riddell area was carried out to test the gold potential of small stocks of Cretaceous quartz monzonite. It was hoped that this sampling would identify epithermal gold mineralization similar to that present in the Itzie range 50 kilometeres to the northeast.

Analysis of the heavy mineral samples highlighted the Mount Riddell area as anomalous for gold (JAB 31, 32), silver and lead (GNB 15). One sample from Mount Sheldon was anomalous for arsenic, silver and lead (GNB 14).

Sample GNB 14 was collected from a drainage in which galena-bearing quartz veins are reported. The values for silver, arsenic and lead can be accounted for by this mineralization.

The high gold value in sample JAB 31 prompted a 3 day follow-up prospecting and sampling program. A total of 24 rock-chip samples and 15 silt and talus-fine samples were collected.

The Mount Riddell area was found to be underlain by Ordovician chert and chert pebble conglomerates of the Road River Group. The beds strike consistently from 115 to 125 and dip from 40 to 70 south. Only zones of bleaching or hematite alteration occur in a few chert beds. Minor chalcedony was found in a limonitic gossan near the summit.

Rock samples of the bleached and hematite stained chert returned low but anomalous gold values (to 0.11 gpt). Stacks - fine and silt samples were low for gold, but had elevated or anomalous levels of copper and silver. None of the values are sufficient to explain the anomalous gold content of sample JAB 31.

The source of the gold in samples JAB 31 and 32 can not be accounted for either by the geology or subsequent geochemical sampling. It is likely that the source of the gold occurs lower in the drainages, below where the follow-up work was carried out. Because of the magnitude of the anomalies it is recommended that at least one more day be spent carefully prospecting and sampling the lower drainage basin of sample JAB 31.

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Heavy Mineral Samples

	Ag	As	Cu	Pb	Sb	Zn	Au (ppb)
GNB 12	0.8	20	11	40	3	274	64
GNB 13	0.9	13	10	36	2	441	59
GNB 14	3.8	153	12	252	8	519	9
GNB 15	14.1	82	115	258	11	521	11
GNB 16	-	25	-	-	-	-	6
JAB 29	5.4	33	29	24	5	121	11
JAB 30	1.8	26	2	27	2	94	17
JAB 31	1.6	14	49	40	3	226	5400
JAB 32	0.1	10	40	95	2	255	198

Silt & Soil Samples

	Ag	As	Cu	Pb	Sb	Zn	Au (ppb)
MR 192L	3.2	48	51	13	5	17	5
MR 193L	2.8	47	33	23	4	18	5
MR 194L	2.0	29	53	29	2	18	5
MR 195L	1.7	22	134	31	1	92	10
MR 189S	0.9	11	136	25	1	120	5
MR 190S	0.5	1	80	23	1	130	10
MR 191S	1.2	1	92	26	1	138	10
MVS 123	0.7	4	114	23	1	211	5
MVS 124	0.7	13	104	26	1	177	5
MVL 125	0.5	16	82	22	1	186	5
MVL 126	0.1	19	65	24	2	63	5
MVL 126	0.3	12	103	32	3	62	5
MVL 128	0.4	6	247	30	1	133	5
MVL 129	1.2	1	90	21	1	153	5
MVL 130	1.3	11	78	26	1	76	10
MVL 131	0.3	1	60	27	3	55	5
MVL 132	0.5	6	64	22	4	46	5
MVL 133	2.5	33	107	23	4	53	5
MVL 134	2.9	45	116	33	5	41	5

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Rock Samples (Values in ppm)	Ag	As	Cu	Pb	Sb	Zn	Au (gpt)
419	.5	1	71	18	2	61	0.11
420	1.4	32	22	11	4	7	0.08
421	1.5	35	19	13	5	8	.01
422	.7	35	34	17	1	48	.04
423	1.8	41	27	12	5	19	.03
424	1.0	37	43	15	3	50	.02
425	.6	13	40	18	3	15	.03
426	1.0	31	43	12	3	19	.01
427	1.4	41	173	15	4	29	.02
428	.6	20	32	12	4	12	.04
967	1.2	31	27	12	4	11	.02
968	1.4	43	19	10	5	9	.04
969	1.4	34	35	11	4	22	.03
970	.9	14	186	10	1	130	.01
971	.3	4	50	13	1	90	.03
972	.7	7	15	22	3	61	.07
973	.8	18	48	13	3	18	.04
974	.8	22	31	12	5	11	.01
975	1.2	29	50	9	3	21	.02
976	1.0	26	21	12	4	10	.04
977	.4	18	64	20	5	63	.03
978	1.6	41	129	17	4	34	.02
979	.4	8	195	12	1	101	.01
980	.8	22	38	13	4	14	.06
981	1.2	35	42	13	4	14	.02

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Two areas of 105J-12 were investigated for their gold potential. Colour anomalies associated with Tertiary volcanics were rock and silt sampled. A previously known copper skarn occurrence was also examined and sampled.

None of the altered zones in the Tertiary volcanics contained anomalous gold; however, weak arsenic, lead and antimony anomalies were detected by silt sampling. None of these anomalies are sufficient to warrant follow-up work.

Initial sampling of the Dragon Lake copper skarn found anomalous levels of gold to be present. Prompted by these high gold values, 20 claims were staked to protect the property. The geology and results of subsequent sampling are summarized in the following report.

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Soil & Silt Samples

	Ag	As	Cu	Pb	Sb	Zn	Au (ppb)
GNS 15	0.6	47	11	10	6	112	10
GNS 16	0.5	32	35	33	5	203	5
GNS 17	0.2	36	12	19	11	111	5
GNS 18	0.3	38	15	55	7	282	10

Rock Samples

	Au (ppb)	Ag (gpt)
731	1	0.7
732	3	0.8
733	3	0.6
734	14	0.7
735	5	0.3
736	1	0.8
737	1	0.7
738	4	0.5
739	5	0.8
DRAG 1		
DRAG 2		
DRAG 3		
DRAG 4		

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Heavy mineral samples taken from the five main drainages of Spearhead Mountain had anomalous values for gold (11,000 ppb), silver (8.4 ppm), arsenic (120 ppm) and mercury (525 ppb). A two man crew prospected the Spearhead Mountain area from July 5 to July 14, 1988. Seventy-one rock-chip samples and 16 silt and talus-fine samples were collected during the examination.

The area is underlain by Ordovician to Devonian sedimentary rocks of the Road River Group, the Portrait Lake Formation and the Prevost Formation. These rocks consist of slates, siltstones, wache, chert and chert-pebble conglomerate. These beds dip gently south to southwest and are intruded by a large Cretaceous, coarse grained biotite-hornblende granodiorite pluton belonging to the Selwyn Plutonic suite. This pluton is two kilometres across and is roughly circular in plan. Minor hornfelsing of the sediments has occurred primarily along the eastern and northeastern contacts.

The granodiorite plug has gossanous aureole of bleached and siliceous slates containing up to 5% fine grained anhedral pyrrhotite with some larger blebs up to 3 mm across. Quarts veins up to 5 mm wide form a stock work within the altered zones. Some quartz veins have up to 60% pyrrhotite with minor pyrite and chalcopyrite. The find grained pyrrhotite is often banded within and between siliceous slate beds.

The alteration aureole varies from 250 metres wide in the northeast of the pluton, to only several metres wide in the southeast. One showing with pyrite and chalcopyrite appears on the 1987 Regional G.S.C. map. A sample from this showing (952) contained 274 ppb gold. Several small arsenic showings are located in the creek draining the northwest area of Spearhead Mountain. Here, up to 30% euhedral arsenic pyrite with lesser pyrite occurs where fractures trending 005/80o E intersect one particular 2 metre wide slate bed (114/68o S). This mineralization is deposited within vuggy quartz veins and pods filling the fracture sets. No significant alteration is associated with these zones. Except for high arsenic values, these samples are low for gold (957-964)

Results from rock sampling show the hornfelsed halo to have elevated to anomalous levels of silver, arsenic, copper and locally mercury. Gold values with the exception of two samples (952 and 891) are low. Silt and soil samples generally reflect

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comparable values to those found in the rocks. Two samples, MR 182L and MR 183S contain values which are not accountable by values obtained in rocks. MR 182L is a soil sample containing 4500 ppb gold, 19.2 ppm silver and 2885 ppm copper. Rock samples collected nearby were low for all these elements. Sample MR 183S is a silt sample with 280 ppb gold and 2.7 ppm silver. This sample is from a drainage that was not prospected in detail.

Follow-up work in the Spearhead Mountain area failed to find a conclusive source for the gold in the heavy mineral samples. Additionally, two samples (MR 182, 183) have gold contents which require further investigation.

It is recommended that further prospecting in conjunction with more detailed heavy mineral sampling be carried out. Priority should be given to the areas where samples MR 182 and 183 were taken.

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ROCK SAMPLES

SPEARHEAD 105J-13

(Values in ppm)

	Ag	As	Cu	Pb	Sb	Zn	Au (ppb)	Hg (ppb)
304	2.1	56	38	14	8	51	21	40
305	.9	37	41	23	5	44	11	20
306	1.5	207	28	23	5	76	18	35
307	.8	578	26	13	3	21	17	23
308	1.3	266	44	11	4	20	81	30
309	1.2	62	61	11	4	23	4	20
390	2.2	71	39	11	8	16	19	225
391	1.6	52	68	18	8	36	7	100
392	3.3	63	33	12	10	14	20	230
393	1.7	19	89	14	11	10	22	250
394	1.5	75	156	18	24	14	3	1365
395	1.9	66	75	16	13	9	24	470
396	2.3	703	36	31	20	47	16	75
397	1.6	69	59	16	7	27	2	50
398	.8	25	73	17	3	35	5	45
399	1.5	52	35	16	5	44	1	40
400	.8	30	6	7	2	103	3	35
401	.3	24	44	23	5	86	2	40
402	.9	36	106	20	8	44	2	25
403	.7	115	46	14	2	24	15	20
404	2.1	60	52	12	9	25	4	65
405	2.0	63	73	15	9	11	16	60
406	1.7	54	77	15	9	65	3	80
407	2.4	81	21	18	10	11	11	55
408	2.0	72	19	13	9	12	17	55
409	.7	57	41	14	3	34	1	50
410	.8	38	30	11	2	40	2	35
411	1.9	224	41	12	9	62	1	20
413	.6	40	79	13	8	110	3	40
414	.7	1	212	38	9	39	12	25
415	.8	61	52	16	6	34	18	45
416	3.1	622	110	36	12	16	23	25
417	1.5	98	64	34	7	51	7	35
418	1.0	110	32	19	5	34	4	45
883	1.9	104	56	12	9	33	3	85
884	1.7	102	58	13	8	29	2	45
885	2.4	105	40	10	11	8	4	100
886	1.4	88	70	19	8	56	5	50
887	2.1	114	40	35	25	34	11	50
888	2.0	111	35	13	12	27	4	65

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ROCK SAMPLES

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SPEARHEAD

(Values in ppm)

	Ag	As	Cu	Pb	Sb	Zn	Au (ppb)	Hg (ppb)
889	1.2	524	46	16	3	121	2	45
890	2.1	113	21	12	10	11	4	25
891	1.2	129	118	20	10	27	181	65
892	.4	458	47	15	1	22	9	40
893	2.1	97	182	18	8	15	4	20
894	2.2	121	74	16	9	13	92	25
895	1.7	104	144	21	6	24	76	60
896	2.0	172	36	8	18	10	12	3000
897	2.1	126	31	8	11	12	4	150
898	.8	248	103	15	37	99	3	845
899	1.3	101	23	16	9	9	3	160
900	.8	104	101	9	5	31	20	40
957	.8	253	131	15	4	25	39	30
958	1.9	3933	58	13	11	8	17	35
959	.7	118	81	14	5	20	16	40
960	1.7	1365	76	13	9	22	15	35
961	2.4	1449	42	15	10	8	2	20
962	1.0	220	83	10	6	22	3	25
963	1.3	3088	229	18	9	19	1	40
964	1.4	337	80	13	7	19	4	25
965	5.2	6232	113	75	31	11	22	55
966	1.5	319	111	16	3	16	3	25
951	1.3	63	64	16	2	52	6	40
952	1.5	459	104	18	2	44	274	40
953	1.9	84	50	18	3	21	4	20
954	1.5	40	41	16	2	37	2	35
955	1.6	62	103	16	3	17	3	20
956	1.2	24	35	19	2	39	2	35

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ROCK SAMPLES

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SPEARHEAD

Talus Fines On Silt Samples

(Values in ppm)

	Ag	As	Cu	Pb	Sb	Zn	Au (ppb)	Hg (ppb)
MR 192L	19.2	147	2885	57	29	73	4500	110
MR 183S(40M)	2.7	38	355	40	9	347	280	45
MR 184S(40M)	.9	60	76	46	8	164	15	25
MR 185S	1.5	448	276	25	4	59	5	20
MR 186S	.8	323	264	23	2	112	10	25
MR 187S	1.3	131	116	24	3	135	5	45
MR 188L	1.0	769	80	18	5	74	25	30
MVL 114	.2	104	208	84	41	256	5	95
MVL 115	.5	130	91	41	19	60	5	80
MVS 116	1.2	2090	407	28	7	228	5	95
MVS 117	2.6	58	42	19	12	44	5	210
MVS 118	2.3	35	76	18	7	106	10	165
MVL 119	1.1	41	83	20	3	110	5	55
MVL 120(40M)	.3	79	259	23	6	224	5	35
~~MR 1~~								
MR 189	0.8	25	109	27	1	188	5	280
MR 190	0.5	1	80	23	1	130	10	175
MR 191	1.2	1	92	26	1	138	10	165
MVS 121	0.4	412	256	30	1	190	5	25
MVS 122	1.0	256	186	25	1	182	5	30

TENAS GOSSAN

Two gossans occur on the north shore of Tenas Lake. The first gossan overlies a cherty quartzite unit within a sequence of chlorite schist, chlorite-sericite schist and graphite-sericite schist. Minor amounts of disseminated pyrite occur in the quartzite, the weathering of which causes the development of jarosite and limonite. Thickness of the quartzite unit is approximately 3 metres. Rock samples 603 and 604 (grabs) contained 0.3 and 0.1 gpt gold respectively.

The style of mineralization is not typical of an epithermal system. It is possible that the sulfides in the quartzite are sedimentary in origin and that the quartzite was a chert bed in a mixed volcanic-sedimentary sequence. The presence of elevated gold values suggests the chert might be an exhalite horizon distle to a massive sulfide deposit. It the pyritic horizons are exhalites, then the Tenas area has potential for massive sulfide deposits such as at the nearby Anvil deposit.

Rock Samples

	Ag (glt)	Ag (glt)
602	0.2	0.5
603	0.30	0.2
604	0.10	1.5
605	0.02	0.06

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10/10/88
WS-105K-1

October 3, 1988

Work on 105K-2 consisted principally of detailed rock sampling and mapping of the Pelly Claims, Results of work on the Pelly Claims are described in the following report.

Limited heavy mineral sampling was carried out southwest of the Tintina Trench. Of these samples only Sample GNB-26 was anomalous for gold. Although the gold content of this sample is at threshold levels, considerations should be given to prospecting the drainage of this sample in search for gold mineralization in the Paleozoic sedimentary rocks.

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105K-2

A limited amount of heavy mineral sampling was carried out southwest of the Tintina Trench, in the headwaters of the Magundy River. A gossan on the north side of the Magundy River was also prospected. None of the heavy mineral samples was anomalous for any of the analyzed elements.

The gossan overlies pale grey-green shale cut by widely spaced quartz-carbonate veins. A 1-metre wide quartz-breccia was also sampled. Analysis of the samples showed gold and silver values to be low. No further work is recommended.

Rock Samples

	Au (ppb)	Ag (ppb)
744	not analyzed	
783	1	2.7
774	4	1.2
775	1	0.7
776	2	0.8
801	2	0.3
802	1	0.4

Heavy Mineral Samples

JAB 38

J. McClintock
10/10/88
105K-3

October 3, 1988

CONCLUSIONS AND RECOMMENDATIONS

The 80 kilometer long Ross River Gold Belt contained within the Yukon's Tintina Trench has demonstrated potential for occurrence of large epithermal gold deposits.

Welcome North has staked several claims along a 40 kilometer length of this belt that have potential for discovery of gold mineralization.

An airborne geophysical survey flown over the claims outlined several attractive magnetic, electromagnetic and resistivity anomalies indicative of Tertiary volcanic centers and associated faulting.

Placer gold occurrences in drainages downstream from faulted felsic volcanic units on the WLN, Star and Hoole claims indicate presence of lode gold mineralization.

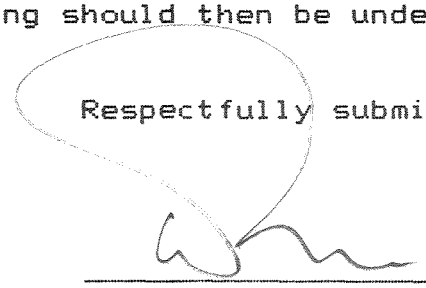
The prospecting, geochemical and geophysical surveys completed on the Tint claims are inconclusive with no resulting clearly defined targets.

The regional program designed to evaluate precious metal deposits associated with Tertiary volcanics in the Ross River area outlined several target areas which were followed-up and staked.

A 1989 recommended program should be focussed towards discovery of gold mineralization on the WLN, Kepi, Star and Hoole claims. A program of overburden and bedrock rotary drilling is required to define gold epithermal targets characterized by geologically and geophysically located felsic volcanic zones in proximity to placer gold occurrences.

Fences of rotary holes with 100 meter spacing should be drilled on one kilometer long lines over the target areas. Based on the success of the above program, a follow-up program of diamond drilling should then be undertaken.

Respectfully submitted,



Wayne J. Roberts
Exploration Manager

SUMMARY OF EXPENDITURES

EXPLORATION PROGRAM ON THE TINTINA GROUP OF CLAIMS AND SURROUNDING AREA

DURING THE PERIOD APRIL 1 TO MAY 31, 1988

EXPLORATION FUNCTION	TINTINA REGIONAL	TINTINA GENERAL	WLN CLAIMS	STAR CLAIMS	HOOLE CLAIMS	KEPI CLAIMS	TINT CLAIMS	TOTAL
ANALYSIS - GEOCHEMICAL	471.14	1,661.20	0.00	0.00	0.00	0.00	5,958.25	8,090.59
ANALYSIS - ASSAYS	414.00	1,070.79	0.00	0.00	0.00	0.00	557.69	2,042.48
CAMP MAINTENANCE	2,486.46	73.00	0.00	0.00	0.00	0.00	5,180.14	7,739.60
CONSULTING - GEOLOGICAL	4,150.00	0.00	0.00	0.00	0.00	0.00	2,700.00	6,850.00
CONSULTING - METALLURGICAL	500.00	0.00	0.00	0.00	0.00	0.00	0.00	500.00
EXPEDITING	808.40	110.00	0.00	0.00	0.00	0.00	10.00	928.40
DRILLING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FIELD EQUIPMENT	5,039.92	0.00	0.00	0.00	0.00	0.00	2,984.53	8,024.45
MAPS, PRINTS & DRAFTING	763.07	302.84	0.00	0.00	0.00	0.00	0.00	1,065.91
PROP. ACQ. & OPTION PAYMENTS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PROPERTY MAINTENANCE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SALARIES	38,582.87	871.46	0.00	0.00	0.00	0.00	435.73	39,890.06
SURVEYS - GEOCHEMICAL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SURVEYS - GEOPHYSICAL	0.00	0.00	5,920.00	14,060.00	9,250.00	7,770.00	0.00	37,000.00
SURVEYS - CONTROL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SURVEYS - LINECUTTING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SURVEYS - OTHER	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TRANSPORTATION - AIRLINES	0.00	0.00	0.00	0.00	0.00	0.00	4,000.00	4,000.00
TRANSPORTATION - FIXED WING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TRANSPORTATION - FREIGHT	62.15	0.00	0.00	0.00	0.00	0.00	0.00	62.15
TRANSPORTATION - HELICOPTER	26,424.00	1,132.71	0.00	203.15	0.00	203.14	0.00	27,963.00
TRANSPORTATION - VEHICLE	8,318.50	48.00	0.00	0.00	0.00	0.00	1,063.89	9,430.39
TRENCHING & ROADS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
UNDERGROUND	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MISCELLANEOUS - INDIRECT	0.00	0.00	0.00	0.00	0.00	0.00	4,000.00	4,000.00
TOTAL EXPENDITURES	88,020.51	5,270.00	5,920.00	14,263.15	9,250.00	7,973.14	26,890.23	157,587.03

2/28/89
WJR/gs
TINTINA.WK1

LIST OF PERSONNEL

NAME	TITLE	DAYS WORKED
J.S. Brock	President	April 12, 13, 21-25, 1988 May 19 and 27, 1988
J. McClintock	Geologist	March 15-30, 1988 April 6, 8, 12, 15, 18, 20-22, 25-19, 1988 May 2-4, 7-31, 1988
J. Hardy	Geologist	March 15-19, 27-28, 1988 April 19, 22, 26, 1988 May 2, 1988
A.J. Schmidt	Geologist	May 21-26, 1988
D. Howe	Jr. Geologist	May 2-5, 1988
G. Nicholson	Jr. Geologist	May 2-31, 1988
J. McCaffrey	Field Assistant	May 2-31, 1988
M. Renning	Field Assistant	May 6-31, 1988
M. Van Wormokirken	Field Assistant	May 19-31, 1988
R.G. Potter	Geologist	April 15-30, 1988
B. Williams	Prospector	April 15-30, 1988
J. Franke	Soil Sampler	April 15-30, 1988
M. Heino	Prospector	April 15-30, 1988
N. Potter	Cook	April 15-30, 1988

LIST OF MAJOR CONTRACTORS

NAME	ADDRESS
Aerodat Limited	3883 Nashua Drive, Mississauga, Ontario.
Trans North Air	Airport Hangar "C", Whitehorse, Yukon
Min-En Laboratories Ltd.	705 W. 15th Street, North Vancouver, B.C.

APPENDIX I

HOOLE

MAY - 3 1988

AERODAT LIMITED
3883 NASHUA DRIVE • MISSISSAUGA • ONTARIO • CANADA • L4V 1R3
Telephone: (416) 671-2446 Telex: 06-968872 Fax: (416) 671-8160

Invoice No: 19-8843-0140
Date: April 29, 1988

Welcome North Mines Ltd.
15th floor - 675 West Hastings Street
Vancouver, British Columbia

Attn: J. Brock

In Account with:

Aerodat Limited
3883 Nashua Drive
Mississauga, Ontario
L4V 1R3

RE: Airborne Geophysical Surveys - Ross River, Yukon

PAZ

Pursuant to paragraph 10 b (on completion of survey flying) of Agreement between Welcome North Mines Ltd. and Aerodat Limited dated April 15, 1988

PAID
Chk. # 640
Date May 6/88
Code
Journal

AMOUNT DUE $18,500.00

HOOLE (25%) #4625

HOOLE

AERODAT LIMITED

3883 NASHUA DRIVE • MISSISSAUGA • ONTARIO • CANADA • L4V 1R3
Telephone: (416) 671-2446 Telex: 06-968872 Fax: (416) 671-8160

Invoice No: 19-8843-0127
Date: April 15, 1988

Welcome North Mines Ltd.
15th floor - 675 West Hastings Street
Vancouver, British Columbia

Attn: Mr. J. Brock

In Account with:

Aerodat Limited
3883 Nashua Drive
Mississauga, Ontario
L4V 1R3

RE: Airborne Geophysical Survey - Ross River, Yukon

Pursuant to paragraph 10 a (on signing) of
Agreement between Welcome North Mines Ltd.
and Aerodat Limited dated April 15, 1988

AMOUNT DUE $18,500.00

PAID
Chk. # 651
Date APR 21/88
Code
Journal

RAZ - TINTINA.
ROSS RIVER PROPS
See JSB on
MONDAY FOR CODING
HOOLE $4625 (25%)

AERODAT LIMITED
3883 NASHUA DRIVE • MISSISSAUGA • ONTARIO • CANADA • L4V 1R3
Telephone: (416) 671-2446 Telex: 06-968872 Fax: (416) 671-8160

Invoice No: 19-8843-0127
Date: April 15, 1988

Welcome North Mines Ltd.
15th floor - 675 West Hastings Street
Vancouver, British Columbia

Attn: Mr. J. Brock

In Account with:

Aerodat Limited
3883 Nashua Drive
Mississauga, Ontario
L4V 1R3

RE: Airborne Geophysical Survey - Ross River, Yukon

Pursuant to paragraph 10 a (on signing) of
Agreement between Welcome North Mines Ltd.
and Aerodat Limited dated April 15, 1988

AMOUNT DUE $18,500.00

PAID
Chk. # 601
Date Apr 21/88
Code
Journal

RAZ - TINTINA.
ROSS RIVER PROPS
See JSB ON MONDAY FOR CODING
KEPI $3885 (21%)

MAY - 3 1988

AERODAT LIMITED
3883 NASHUA DRIVE • MISSISSAUGA • ONTARIO • CANADA • L4V 1R3
Telephone: (416) 671-2446 Telex: 06-968872 Fax: (416) 671-8160

Invoice No: 19-8843-0140
Date: April 29, 1988

Welcome North Mines Ltd.
15th floor - 675 West Hastings Street
Vancouver, British Columbia

Attn: J. Brock

In Account with:

Aerodat Limited
3883 Nashua Drive
Mississauga, Ontario
L4V 1R3

RE: Airborne Geophysical Surveys - Ross River, Yukon

PA 2

Pursuant to paragraph 10 b (on completion of survey flying) of Agreement between Welcome North Mines Ltd. and Aerodat Limited dated April 15, 1988

PAID
Chk. # 6410
Date may 6/88
Code
Journal

AMOUNT DUE $18,500.00

KEPI (21%) #3885

REMIT PAYMENT TO:

TRANS NORTH AIR

TRANS NORTH TURBO AIR LTD.
AIRPORT HANGAR "C" • WHITEHORSE • YUKON Y1A 3E4
TELEPHONE (403) 668-2177 FAX (403) 668-3420

ACCOUNT NUMBER	W	EL	CN	O	K

INVOICE NUMBER 80643

INVOICE DATE	AREA
26 04 88	BC / YUKON / NWT / ALTA

A/C TYPE	AIRCRAFT REGISTRATION C
2063	FDDC

FLIGHT DATE	DAY	MONTH	YEAR
	23	04	88

PURCHASE ORDER NO.

CHARTERER: Welcome North Mines

BILLING ADDRESS: 15TH FLOOR 675 W. HASTINGS ST. VANCOUVER BC V6B 1N2

FUEL & OIL-X TNTA	CUST.	TNTA FUEL USED	HRS./LITRES	FROM
✓		JP.4	1.2	RR

FROM RR TO	MILES	HOURS	ZONE	REMARKS · NO. OF PASS · FREIGHT Kg
Setouts Hoole Canyon		0.4		John Brock
Hoole		0.2		Andy Smith
Move		0.1		Arthur John
		0.5		Franklin Charlie
CHARGE - TINTINA - GENERAL.				

SUB	G.L.	AMOUNT	
~~1606~~	~~502~~	~~660~~	~~00~~
1600	131	75	60
1606	502	540	00

~~1.2~~	@ ~~550.00~~	~~660~~	~~00~~
1.2	@ 450.00	540	00
	@		
	@		
WAITING TIME	@ /HR.		
FUEL: 120 l	@ 63¢/LITRE	75	60
FUEL:	@ /LITRE		
MEALS & LODGING			
OTHER			
OTHER			
TOTAL $		~~735~~	~~60~~
		615	60°

TERMS: PAYABLE UPON RECEIPT OF INVOICE.
2% INTEREST PER MONTH (24% PER ANNUM) WILL BE CHARGED ON ALL OUTSTANDING AMOUNTS OVER 30 DAYS. IF INTEREST IS NOT PAID, FUTURE FLIGHTS WILL BE ON A CASH BASIS.

X [signature]
CHARTERER'S SIGNATURE

JDW
INITIALS

PILOT'S SIGNATURE

CO-PILOT'S NAME

ENGINEER'S NAME

CYCLES

CARRIAGE SUBJECT TO TERMS OF PUBLISHED TARIFF.
TARIFF AVAILABLE TO PUBLIC VIEW AT TRANS NORTH OFFICE.

THIS IS YOUR ONLY INVOICE — PAY UPON RECEIPT

KEPI

1/3

$203.14

MAY - 3 1988

WLN

AERODAT LIMITED
3883 NASHUA DRIVE • MISSISSAUGA • ONTARIO • CANADA • L4V 1R3
Telephone: (416) 671-2446 Telex: 06-968872 Fax: (416) 671-8160

Invoice No: 19-8843-0140
Date: April 29, 1988

Welcome North Mines Ltd.
15th floor - 675 West Hastings Street
Vancouver, British Columbia

Attn: J. Brock

In Account with:

Aerodat Limited
3883 Nashua Drive
Mississauga, Ontario
L4V 1R3

RE: Airborne Geophysical Surveys - Ross River, Yukon

PAT

Pursuant to paragraph 10 b (on completion of survey flying) of Agreement between Welcome North Mines Ltd. and Aerodat Limited dated April 15, 1988

PAID
Chk. # 6610
Date may 6/88
Code
Journal

AMOUNT DUE $18,500.00

WLN (16%) $2960

AERODAT LIMITED

3883 NASHUA DRIVE • MISSISSAUGA • ONTARIO • CANADA • L4V 1R3
Telephone: (416) 671-2446 Telex: 06-968872 Fax: (416) 671-8160

Invoice No: 19-8843-0127
Date: April 15, 1988

Welcome North Mines Ltd.
15th floor - 675 West Hastings Street
Vancouver, British Columbia

Attn: Mr. J. Brock

In Account with:

Aerodat Limited
3883 Nashua Drive
Mississauga, Ontario
L4V 1R3

RE: Airborne Geophysical Survey - Ross River, Yukon

Pursuant to paragraph 10 a (on signing) of
Agreement between Welcome North Mines Ltd.
and Aerodat Limited dated April 15, 1988

AMOUNT DUE $18,500.00

PAID
Chk. # 651
Date APR 21/88
Code
Journal

RAZ - TINTINA - ROSS RIVER PROPS
See JSB on MONDAY FOR CODING
WLN #2960 (16%)

STAR

7,030.00+
7,030.00+
203.15+
14,263.15*

STAR

AERODAT LIMITED

3883 NASHUA DRIVE • MISSISSAUGA • ONTARIO • CANADA • L4V 1R3
Telephone: (416) 671-2446 Telex: 06-968872 Fax: (416) 671-8160

Invoice No: 19-8843-0127
Date: April 15, 1988

Welcome North Mines Ltd.
15th floor - 675 West Hastings Street
Vancouver, British Columbia

Attn: Mr. J. Brock

In Account with:

Aerodat Limited
3883 Nashua Drive
Mississauga, Ontario
L4V 1R3

RE: Airborne Geophysical Survey - Ross River, Yukon

Pursuant to paragraph 10 a (on signing) of Agreement between Welcome North Mines Ltd. and Aerodat Limited dated April 15, 1988

AMOUNT DUE $18,500.00

PAID
Chk. # 601
Date Apr. 21/88
Code
Journal

RAZ - TINTINA.
ROSS RIVER PROPS
See JSB ON MONDAY FOR CODING

STAR $7030 (35%)

MAY - 3 1988

AERODAT LIMITED
3883 NASHUA DRIVE • MISSISSAUGA • ONTARIO • CANADA • L4V 1R3
Telephone: (416) 671-2446 Telex: 06-968872 Fax: (416) 671-8160

Invoice No: 19-8843-0140
Date: April 29, 1988

Welcome North Mines Ltd.
15th floor - 675 West Hastings Street
Vancouver, British Columbia

Attn: J. Brock

In Account with:

Aerodat Limited
3883 Nashua Drive
Mississauga, Ontario
L4V 1R3

RE: Airborne Geophysical Surveys - Ross River, Yukon

PAZ

Pursuant to paragraph 10 b (on completion of survey flying) of Agreement between Welcome North Mines Ltd. and Aerodat Limited dated April 15, 1988

PAID
Chk. # 6410
Date May 6/88
Code
Journal

AMOUNT DUE $18,500.00

STAR (38%) #7030

REMIT PAYMENT TO:

TRANS NORTH AIR

TRANS NORTH TURBO AIR LTD.
AIRPORT HANGAR "C" • WHITEHORSE • YUK Y1A 3E4
TELEPHONE (403) 668-2177 FAX (403) 668-3420

ACCOUNT NUMBER	W	EL	CN	O	R
INVOICE NUMBER	80643				

INVOICE DATE: 26 04 88

AREA: BC / YUKON / NWT / ALTA

CHARTERER: Welcome North Mines

BILLING ADDRESS: 15TH FLOOR 675 W. HASTINGS ST. VANCOUVER BC V6B 1N2

A/C TYPE: 2063

AIRCRAFT REGISTRATION C: FDDC

FLIGHT DATE: DAY 23 MONTH 04 YEAR 88

PURCHASE ORDER NO.

FUEL & OIL-X TNTA	CUST.	TNTA FUEL USED	HRS./LITRES	FROM
U		JP.4	1.2	RR

FROM / TO	MILES	HOURS	ZONE	REMARKS - NO. OF PASS - FREIGHT Kg
RR				
Setouts Hoole Canyon		0.4		John Brock
Hole		0.2		Andy Smith
Move		0.1		Arthur John
		0.5		Franklin Charlie
CHARGE - TINTINA GENERAL.				

SUB	G.L.	AMOUNT
~~1606~~	~~502~~	~~660 00~~
1600	131	75 60
1606	502	540 00

~~1.2~~ @	~~550.00~~	~~660 00~~
1.2 @	450.00	540 00
@		
@		

TERMS: PAYABLE UPON RECEIPT OF INVOICE.
2% INTEREST PER MONTH (24% PER ANNUM) WILL BE CHARGED ON ALL OUTSTANDING AMOUNTS OVER 30 DAYS. IF INTEREST IS NOT PAID, FUTURE FLIGHTS WILL BE ON A CASH BASIS.

X [signature]
CHARTERER'S SIGNATURE

JDW
PILOT'S SIGNATURE

INITIALS

CO-PILOT'S NAME

ENGINEER'S NAME

CYCLES

WAITING TIME	@	/HR.	
FUEL: 120 l	@	63¢/LITRE	75 60
FUEL:	@	/LITRE	
MEALS & LODGING			
OTHER			
OTHER			

TOTAL $ ~~735 60~~ 615 60°

CARRIAGE SUBJECT TO TERMS OF PUBLISHED TARIFF.
TARIFF AVAILABLE TO PUBLIC VIEW AT TRANS NORTH OFFICE.

THIS IS YOUR ONLY INVOICE — PAY UPON RECEIPT

1/3

STAR
$203.15

MAY 0.00*

TINT

0.00*

MIN-EN 5,958.25+

MIN-EN 557.69+

03 KELLY, DOUG 1,380.14+

POTTER 3,800.00+

POTTER 2,700.00+

POTTER 10.00+

POTTER 2,984.53+

WILLIAMSON 435.73+

POTTER 4,000.00+

R. POTTER 1,063.89+

R. POTTER 4,000.00+

26,890.23*

MIN
• EN
LABORATORIES LTD.

SPECIALISTS IN MINERAL ENVIRONMENTS
CHEMISTS • ASSAYERS • ANALYSTS • GEOCHEMISTS

VANCOUVER OFFICE:
705 WEST 15TH STREET
NORTH VANCOUVER, B.C. CANADA V7M 1T2
TELEPHONE (604) 980-5814 OR (604) 988-4524
TELEX: VIA U.S.A. 7601067 • FAX (604) 980-9621

TIMMINS OFFICE:
33 EAST IROQUOIS ROAD
P.O. BOX 867
TIMMINS, ONTARIO CANADA P4N 7G7
TELEPHONE: (705) 264-9996

INVOICE

TO : WELCOME NORTH MINES

15-675 W. HASTINGS ST.,
VANCOUVER, B.C.
V6B 1N2

INVOICE No 8901C
PAGE : 1 OF 1
DATE :May 31/88

ACCOUNT:10297

ATTENTION: JOHN BROCK/R.POTTER FILE No: 8-571
PROJECT: ROSS RIVER-6

QTY	DESCRIPTION	UNIT PRICE	AMOUNT
482	SOIL GEOCHEM - AG	2.50	1205.00
482	SOIL GEOCHEM - AS	3.75	1807.50
482	SOIL GEOCHEM - AU WET	4.75	2289.50
482	SOIL SAMPLE PREP	1.00	482.00
		SUBTOTAL	5784.00
18	PAGES FAXED	0.50	9.00
	CANADIAN AIRLINES 018-56343836	165.25	165.25
		* TOTAL *	5958.25

THESE ARE PROFESSIONAL SERVICES AND ARE PAYABLE WHEN RENDERED.
OUTSTANDING BALANCES OVER 30 DAYS WILL BE CHARGED 2% INTEREST/MONTH.

MIN • EN LABORATORIES LTD.

SPECIALISTS IN MINERAL ENVIRONMENTS
CHEMISTS • ASSAYERS • ANALYSTS • GEOCHEMISTS

VANCOUVER OFFICE:
05 WEST 15TH STREET
ORTH VANCOUVER, B.C. CANADA V7M 1T2
TELEPHONE (604) 980-5814 OR (604) 988-4524
TELEX: VIA U.S.A. 7601067 • FAX (604) 980-9621

TIMMINS OFFICE:
33 EAST IROQUOIS ROAD
P.O. BOX 867
TIMMINS, ONTARIO CANADA P4N 7G7
TELEPHONE: (705) 264-9996

INVOICE

TO : WELCOME NORTH MINES

15-675 W. HASTINGS ST.,
VANCOUVER, B.C.
V6B 1N2

INVOICE No 8626C
PAGE : 1 OF 1
DATE :Apr 28/88

ACCOUNT:10297

ATTENTION: A.J.SCHMIDT
FILE No: 8-446
PROJECT: TINTINA OEX

QTY	DESCRIPTION	UNIT PRICE	AMOUNT
93	SOIL GEOCHEM - AG AS AU-FIRE 43 TINTINA GENERAL, BAL. TINTINA	12.50	1162.50
93	SOIL SAMPLE PREP	0.90	83.70
49	ROCK GEOCHEM - AG AS AU FIRE	12.50	612.50
49	ASSAY CUT SAMPLE PREP	3.50	171.50
		SUBTOTAL	2030.20
7	PAGES FAXED	0.50	3.50
	CANADIAN AIRLINES 018-56073264	197.10	197.10
		* TOTAL *	2230.80

3

THESE ARE PROFESSIONAL SERVICES AND ARE PAYABLE WHEN RENDERED.
OUTSTANDING BALANCES OVER 30 DAYS WILL BE CHARGED 2% INTEREST/MONTH.

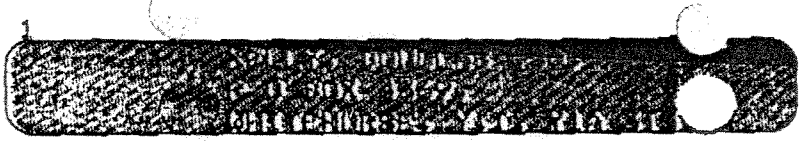
Chel, W.M. - G.A.C. SOIL GEOCHEM / SOIL PREP TINTINA GENERAL 43
PELLY - 24
TINT - 26

93- $1346.50
49- $884.30

ROCK GEOCHEM / ASSAY CUT TINTINA GENERAL - 25
PELLY - 14
TINT - 10

TINTINA - GENERAL (TINGEN) 1070.79
✓ - PELLY 602.32
✓ - TINT 557.69

PAGE 1



1988
DATE
MO DAY YR
5 20

558
ACCOUNT NO

WELCOME NORTH MINES LTD.
1500-675 WEST HASTINGS,
VANCOUVER, B.C.,
V6B 1N2

KELLY, DOUGLAS #30 WHITEHORSE

MO	DAY	REFERENCE	INVOICE NO	GROSS AMOUNT	DISCOUNT AMOUNT	NET AMOUNT
00		BAL FWD				.00
05	18	MISC	46052	45.00		
05	18	MISC	46387	1,335.14		
						1,380.14

R.L. CRAIN INC

20711

REMIT TO

Super Valu #80
Box 4369
Whitehorse

STORE NO

49735/2

CARD CODE	ACCOUNT NO.	MO.	DAY	YR.
86	80 0558	05	08	88

INVOICE

SEE INSTRUCTION ON THE FRONT COVER FOR COMPLETING THIS FORM

STORE	PERIOD	WK
80	05	3

INVOICE NO: 0246052

PURCHASE ORDER NO.:

NEW ACCOUNT:

NAME: Welcome North Mines

ADDRESS:

QTY	DESCRIPTION	PRICE	AMOUNT
1	Case Gold Del. Apples		45 00
	AMO Lill #6 2300		

SERVICE CHARGE ON OVERDUE ACCOUNTS ON TOTAL PAST DUE BALANCE
2% PER MO. (24% PER YR.)

SUB-TOTAL	
TAX	
TOTAL	45 00

CUSTOMER SIGNATURE: Shipped

DUP. HEAD OFFICE COPY

REMIT TO

Super Valu #80
Box 4369 Whitehorse

STORE NO

40735-2

CARD CODE	ACCOUNT NO	MO.	DAY	YR.
86	80 0558	05	08	88

INVOICE

SEE INSTRUCTION ON THE FRONT COVER FOR COMPLETING THIS FORM

STORE	PERIOD	WK
80	05	3

INVOICE NO. 0246387

PURCHASE ORDER NO.

NEW ACCOUNT

NAME Welcome North Mines

ADDRESS

QTY	DESCRIPTION	PRICE	AMOUNT
	GTOC		133514
	AVO		
	5300		
	4 11 #6		

SERVICE CHARGE ON OVERDUE ACCOUNTS ON TOTAL PAST DUE BALANCE
2% PER MO. (24% PER YR.)

SUB-TOTAL

TAX

TOTAL 1335 14

CUSTOMER SIGNATURE

DUP. HEAD OFFICE COPY

ROBERT POTTER P.Eng
FIELD ACCOUNT
PROJECT : WELCOME NORTH MINES LTD
ROSS RIVER 6
PERIOD : TO MAY 23/88

DATE: MAY 26/88

ACCT #	ACCOUNT NAME : COST DETAILS		OPENING BALANCE	17,520.00
906	CAMP MAINTENANCE : Charge $40/m/d			
	May 13	5 people	200.00	
	May 14 to 23 (10 days)	9 people	3600	3800.00
910	CONSULTING GEOLOGICAL : R. Potter Charge $300/d			
	Penfield Feb 24, 25, 26, 29	4 days	$1200.00	
	Tint May 16, 17, 19, 22, 23	5 days	1500	2700.00
918	EXPEDITING : Samples handling			10.00
938	FIELD SUPPLIES :			
	All receipts on file			
	Air Photos		174.90	
	Ross Hyd Enlargement (Dominion Blueprint)		305.18	
	Neville Crosby - Draft Supplies, Hyd Claims		385.84	
	GSC Topo Maps		12.19	
	GSC Topo & Geo Maps		89.04	
	Neville Crosby - Hyd Claims, Flagging		1977.38	
	Thread Flags, vests		~~40.00~~	
	Thread		40.00	2984.53
768	MOBILIZATION : Air fares, Vehicle costs			
	Food & Accom : Charge			4000.00
780	TRANSPORT - VEHICLES			
	Chev 3/4 T Van - CANA RENTALS $40.50/m = $28.00/d			
	Toyota 1/2 Ton 4x4 Owned by R Potter charged at Cana rate for same vehicle $10.50/m = $35.00/d			
	Van 10 days Tint, 1 day Kept		308.00	
	Toyota 11 days Tint		385.00	
	Gas		169.59	
	At Kilometers @ 15¢ 1342		201.30	1063.89*
998	PROJECT MANAGEMENT : Charge			4000.00
		TOTAL	18558.42	18558.42
			BAL	($1038.42)

*This figure has changed from that of May 24 cost call to show property costs.

0.*

1,629.20+
32.00+
1,070.79+
175.50+
100.00+
10.00+
248.34+
1,132.71+
871.46+
5,270.00*

TINT
GENERAL

MIN-EN LABORATORIES LTD.

SPECIALISTS IN MINERAL ENVIRONMENTS
CHEMISTS • ASSAYERS • ANALYSTS • GEOCHEMISTS

VANCOUVER OFFICE:
705 WEST 15TH STREET
NORTH VANCOUVER, B.C. CANADA V7M 1T2
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TELEX: VIA U.S.A. 7601067 • FAX (604) 980-9621

TIMMINS OFFICE:
33 EAST IROQUOIS ROAD
P.O. BOX 867
TIMMINS, ONTARIO CANADA P4N 7G7
TELEPHONE: (705) 264-9996

INVOICE

TO : WELCOME NORTH MINES

15-675 W. HASTINGS ST.,
VANCOUVER, B.C.
V6B 1N2

INVOICE No 8854C
PAGE : 1 OF 1
DATE :May 29/88

ACCOUNT:10297

ATTENTION: JOHN BROCK
PROJECT: TINTINA -OEX

FILE No: 8-565

QTY	DESCRIPTION	UNIT PRICE	AMOUNT
80	ROCK GEOCHEM - AG	2.50	200.00
80	ROCK GEOCHEM - AU FIRE	7.25	580.00
80	ASSAYS SAMPLE PREP	3.75	300.00
16	SOIL GEOCHEM - 6 ELEMENT TRACE ICP	5.00	80.00
16	SOIL GEOCHEM - AU WET	4.75	76.00
16	SOIL SAMPLE PREP	1.00	16.00
15	SILT GEOCHEM - 6 ELEMENT TRACE ICP	5.00	75.00
15	SILT GEOCHEM - AU WET	4.75	71.25
15	SILT SAMPLE PREP	1.00	15.00
		SUBTOTAL	1413.25
11	PAGES FAXED(8-565,8-563)	0.50	5.50
	CANADIAN FREIGHTWAYS 136-03801-1	210.45	210.45
		* TOTAL *	1629.20

THESE ARE PROFESSIONAL SERVICES AND ARE PAYABLE WHEN RENDERED.
OUTSTANDING BALANCES OVER 30 DAYS WILL BE CHARGED 2% INTEREST/MONTH.

MIN
• EN
LABORATORIES LTD.

SPECIALISTS IN MINERAL ENVIRONMENTS
CHEMISTS • ASSAYERS • ANALYSTS • GEOCHEMISTS

VANCOUVER OFFICE:
705 WEST 15TH STREET
NORTH VANCOUVER, B.C. CANADA V7M 1T2
TELEPHONE (604) 980-5814 OR (604) 988-4524
TELEX: VIA U.S.A. 7601067 • FAX (604) 980-9621

TIMMINS OFFICE:
33 EAST IROQUOIS ROAD
P.O. BOX 867
TIMMINS, ONTARIO CANADA P4N 7G7
TELEPHONE: (705) 264-9996

INVOICE

TO : WELCOME NORTH MINES

15-675 W. HASTINGS ST.,
VANCOUVER, B.C.
V6B 1N2

TINT

INVOICE No 8778C
PAGE : 1 OF 1
DATE :May 20/88

ACCOUNT:10297

ATTENTION: J. BROCK
PROJECT: TINTINA GENERAL (PIT)

FILE No: 8-518

QTY	DESCRIPTION	UNIT PRICE	AMOUNT
2	ROCK GEOCHEM - AG	2.50	5.00
2	ROCK GEOCHEM - AU PT	10.00	20.00
2	GEOCHEM SAMPLE PREP	3.50	7.00
		* TOTAL *	32.00

THESE ARE PROFESSIONAL SERVICES AND ARE PAYABLE WHEN RENDERED.
OUTSTANDING BALANCES OVER 30 DAYS WILL BE CHARGED 2% INTEREST/MONTH.

MIN
•EN
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VANCOUVER OFFICE:
205 WEST 15TH STREET
NORTH VANCOUVER, B.C. CANADA V7M 1T2
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TIMMINS OFFICE:
33 EAST IROQUOIS ROAD
P.O. BOX 867
TIMMINS, ONTARIO CANADA P4N 7G7
TELEPHONE: (705) 264-9996

INVOICE

TO : WELCOME NORTH MINES

15-675 W. HASTINGS ST.,
VANCOUVER, B.C.
V6B 1N2

INVOICE No 8626C
PAGE : 1 OF 1
DATE :Apr 28/88

ACCOUNT:10297

ATTENTION: A.J.SCHMIDT FILE No: B-446
PROJECT: TINTINA OEX

QTY	DESCRIPTION	UNIT PRICE	AMOUNT
93	SOIL GEOCHEM - AG AS AU-FIRE 43 TINTINA GENERAL, BAL. TINTINA	12.50	1162.50
93	SOIL SAMPLE PREP	0.90	83.70
49	ROCK GEOCHEM - AG AS AU FIRE	12.50	612.50
49	ASSAY CUT SAMPLE PREP	3.50	171.50
		SUBTOTAL	2030.20
7	PAGES FAXED	0.50	3.50
	CANADIAN AIRLINES 018-56073264	197.10	197.10
		* TOTAL *	2230.80

THESE ARE PROFESSIONAL SERVICES AND ARE PAYABLE WHEN RENDERED.
OUTSTANDING BALANCES OVER 30 DAYS WILL BE CHARGED 2% INTEREST/MONTH.

TINTINA JAN - 3

Chal ... AU-FA ... GEOCHEM TINTINA SOIL PREP 5

GENMM - 43
PELLY - 14
TINT - 26

93 - @ 13.46.50
49 - @ 584.30

ROCK GEOCHEM / ASSAY CUT

TINTINA - GENERAL - 25
- PELLY - 14
- TINT - 10

TINTINA - GENERAL (TINGEN) 1020.29
✓ - PELLY 602.32
✓ - TINT 557.69

PURPOSE- TINTINA GENGAM. JOHN S. BROCK.
EXPENSE ACCT.

			CASH	VISA
1988.				
APRIL 21 THURS.	PARKING	980	5.00	
	LIMO. WHSE	980	8.00	
	ENT. WHSE AMBROSE A SHAMT.	906	20.00	
	DINNER WHSE.			(63.25)
	HOTEL.			93.80
APRIL 22 FRI.	ROSS RIVER.			
	CREW ENT.	906	30.00	TINGEN 906 73.00
				✓ 938 54.50
APRIL 22 SAT.	ROSS RIVER.			✓ 980 48.00
	CREW ENT	906	23.00	175.50
APRIL 23 SUN.				
APRIL 24 MON.	HOTEL			charged to WLW
	MEALS			Andy PAID.
	WHSE LUNCH			25.40
	MAPS	938	18.50	
	GEOL RDTS.	938	36.00	
	PARKING A/PORT.	980	35.00	
MISC.				
APRIL 12	LUNCH. RR CREW.			115.90
				175.50

CASH ADVANCED $200.

CANADA MAP OFFICE
200 RANGE ROAD
WHITEHORSE, YUKON

RECEIPT

№ 013000

DATE	NATURE AND NUMBER OF REMITTANCE	INVOICE NO.	LOCATION
April 25/88	Cash		

RECEIVED THE SUM OF Thirty - six /100 DOLLARS $ 36.00

FROM Welcome North Mines

FOR 2 x M. 19-1987
YEX 1985-86
YUG V04 01

B. Phillips
AUTHORIZED OFFICER

YOUR RECEIPT
THANK YOU

TRANSPORT CANADA
VANCOUVER INTER-
NATIONAL AIRPORT
Entry: 21-APR-88
12:51:00 PM
Exit: 25-APR-88
10:14:58 PM
#01819 C01 U01
RATE1 $35.00
CASH $35.00

YELLOW CAB AIRLINE LIMOUSINE & BUS
2160 - 2nd AVE., WHITEHORSE, YUKON
Phone 668-4811

RECEIPT FOR ONE WAY FARE

ADULTS.....$4.00
CHILDREN (5-11).....$2.00

CHARTERS - LIMOUSINES - BUSES

№ 7160

YELLOW CAB AIRLINE LIMOUSINE & BUS
2160 - 2nd AVE., WHITEHORSE, YUKON
Phone 668-4811

RECEIPT FOR ONE WAY FARE

ADULTS.....$4.00
CHILDREN (5-11).....$2.00

CHARTERS - LIMOUSINES - BUSES

8.00 BRUCE 161

WHITEHORSE
MINING
DISTRICT
RECEIVED
25-04-88 16:00
TVOID
3 @ 1.00
CLMAPP -3.00
NET -3.00
TTL -3.00
CASH -3.00
TVOID
^^A ..4942 R

WHITEHORSE
MINING
DISTRICT
RECEIVED
25-04-88 16:15
34 @ 0.25
PHOOP 8.50
10 @ 1.00
CLMAPP 10.00
NET 18.50
TTL 18.50
CASH 18.50
^^A ..4943 R

CHEQUE REQUISITION

Date: May 13/88.

TO: ACCOUNTANT

FROM: WELCOME NORTH MINES
Name of Company

Requested by: IW

Approved by: _____

A cheque in the amount of $ 100.00

is required as follows:

NAME OF FIRM : T. A. KAPTY c/o T.N.T.A. LTD.,

ADDRESS : AIRPORT HANGAR "C", WHITEHORSE, YT Y1A 3E4.

BRIEF DESCRIPTION: Re: 5 REPORTS VIA ~~—~~ DAWSON

CHARGE:

Project : _____

Claim Group: _____

Code : _____

Cheque No. : _____

Folio : _____

Date : _____

PAID
Chk. # 708
Date may 25 88
Code
Journal

CHEQUE REQUISITION

Date: May 6, 1988

TO: ACCOUNTANT

FROM: WELCOME NORTH MINES LTD.
Name of Company

Requested by: JOHN BROCK

Approved by: _____

A cheque in the amount of $ 10.00

is required as follows:

NAME OF FIRM : Al Kapty

ADDRESS : c/o Trans North Air, Box 4338, Whitehorse, Y.T. Y1A 3Y6

BRIEF DESCRIPTION: FOR YUKON GEOLOGY BOOKS

CHARGE:

Project : TINTINA - GENERAL

Claim Group: _____

Code : _____

Cheque No. : _____

Folio : _____

Date : _____

MAY 13 1988

WESTERN REPRODUCERS LTD.

823 W. PENDER STREET, VANCOUVER, BRITISH COLUMBIA V6C 1K6 - PHONE 684-5391 (HEAD OFFICE)

INVOICE

P 10166

TERMS

NET. PAYABLE UPON RECEIPT OF INVOICE

WELCOME NORTH MINES LTD.
15TH FLR. ROYAL BANK BLD.
675 W. HASTINGS ST.
VANCOUVER, B.C.

V6B 1N2

94086

PAID
Chk. # 706
Date May 24/88
Code
Journal

SHIP TO

DATE	YOUR ORDER NO.	FED. TAX NO.	PROV. TAX NO.	DATE REQUIRED	DATE SUPPLIED
2/88					

DESCRIPTION	CODE	UNIT	QUANTITY	PRICE	AMOUNT
1 of 36x44 @ 10db Vellu	VC	8		8.54	68.32
of 24x50 @ 10db Vellum	16	4.5		5.70	25.65
of 26x48 @ 10db Vellum	VC	8		8.54	68.32
			Job charge		4.50
of 26x48 Blackline	71A	40			
of 24x50 Blackline	71A	17	101	3.00 1.39	42.39
of 36x44 Blackline	71A	44			209.18

[signature] Trinitrice

RIZED BY

RECEIVED BY

FED. TAX	25.10
PROV. TAX	14.06
TOTAL	248.34

REMIT PAYMENT TO:

TRANS NORTH AIR

TRANS NORTH TURBO AIR LTD
AIRPORT HANGAR "C" • WHITEHORSE • YU... Y1A 3E4
TELEPHONE (403) 668-2177 FAX (403) 668-3420

ACCOUNT NUMBER	WELCNOR
INVOICE NUMBER	80645
INVOICE DATE	26 04 88
AREA	BC / YUKON / NWT / ALTA
A/C TYPE	2063
AIRCRAFT REGISTRATION C	ADD
FLIGHT DATE	DAY 24 MONTH 04 YEAR 88
PURCHASE ORDER NO.	

CHARTERER: Welcome North Mines

BILLING ADDRESS: 15TH FLOOR 675 W. HASTINGS ST
VANCOUVER BC V6B 1N2

FUEL & OIL-X TNTA	CUST.	TNTA FUEL USED	HRS./LITRES	FROM
✓		JP.4	1.8	RR

FROM / TO	MILES	HOURS	ZONE	REMARKS - NO. OF PASS - FREIGHT Kg
RR				
McCrory RTN		0.5		
Recce Hoole Canyon.		1.3		
Wlw Kepi-Starr				
Hoole Clms				

CHARGE: TINTINA GENERAL. 1.0
STAR. 0.4
KEPI. 0.4.

SUB	G.L.	AMOUNT	
~~1606~~	~~502~~	~~990~~	~~00~~
1600	131	113	40
1606	502	810	00

~~1.8~~	@ ~~550.00~~	~~990~~	~~00~~
1.8	@ 450.00	810	00
	@		
	@		
WAITING TIME	@ /HR.		
FUEL: 180 l	@ 63¢ /LITRE	113	40
FUEL:	@ /LITRE		
MEALS & LODGING			
OTHER			
OTHER			

TERMS: PAYABLE UPON RECEIPT OF INVOICE
2% INTEREST PER MONTH (24% PER ANNUM) WILL BE CHARGED ON ALL OUTSTANDING AMOUNTS OVER 30 DAYS. IF INTEREST IS NOT PAID, FUTURE FLIGHTS WILL BE ON A CASH BASIS.

X [signature]
CHARTERER'S SIGNATURE

[signature]
PILOT'S SIGNATURE

INITIALS
CO-PILOT'S NAME
ENGINEER'S NAME
CYCLES

TOTAL $ ~~1103.40~~ 923.40

CARRIAGE SUBJECT TO TERMS OF PUBLISHED TARIFF.
TARIFF AVAILABLE TO PUBLIC VIEW AT TRANS NORTH OFFICE.

THIS IS YOUR ONLY INVOICE — PAY UPON RECEIPT

INV. TTL: 1,132.71

REMIT PAYMENT TO:

TRANS NORTH AIR

TRANS NORTH TURBO AIR LTD
AIRPORT HANGAR "C" • WHITEHORSE • YUK Y1A 3E4
TELEPHONE (403) 668-2177 FAX (403) 668-3420

ACCOUNT NUMBER	W	EL	CN	O	K
INVOICE NUMBER	80643				
INVOICE DATE	16	04	88	AREA: BC / YUKON / NWT / ALTA	
A/C TYPE	206B		AIRCRAFT REGISTRATION C	GDQC	
FLIGHT DATE	DAY: 23	MONTH: 08	YEAR: 88		
PURCHASE ORDER NO.					

CHARTERER: Welcome North Mines

BILLING ADDRESS: 15TH FLOOR 675 W. HASTINGS ST.
VANCOUVER BC V6B 1N2

FUEL & OIL-X TNTA	FUEL & OIL-X CUST.	TNTA FUEL USED	HRS./LITRES	FROM
X		3P.4	1.2	AR

FROM	MILES	HOURS	ZONE	REMARKS - NO. OF PASS.	FREIGHT Kg
AR					
Serpent Arm/Cayoosh		0.4		John Beck	
Here		0.2		Andy Smith	
Move		0.1		Arthur John	
		0.5		Franklin Charlie	
CHARGE - TINTINA				GENERAL	

SUB	G.L.	AMOUNT					
~~1606~~	~~502~~	~~660~~	~~00~~	~~1.2~~	@	~~550~~ 00	~~660~~ ~~00~~
1600	131	75	60	1.2	@	450 00	540 00
1606	502	540	00		@		
					@		

TERMS: PAYABLE UPON RECEIPT OF INVOICE.
2% INTEREST PER MONTH (24% PER ANNUM) WILL BE CHARGED ON ALL OUTSTANDING AMOUNTS OVER 30 DAYS. IF INTEREST IS NOT PAID, FUTURE FLIGHTS WILL BE ON A CASH BASIS.

X _____ CHARTERER'S SIGNATURE

JDW INITIALS _____ PILOT'S SIGNATURE

CO-PILOT'S NAME

ENGINEER'S NAME

CYCLES

WAITING TIME	@	/HR.		
FUEL: 120 l	@	63¢/LITRE	75	60
FUEL:	@	/LITRE		
MEALS & LODGING				
OTHER				
OTHER				
TOTAL	$		~~735~~ ~~60~~ 615	60

CARRIAGE SUBJECT TO TERMS OF PUBLISHED TARIFF.
TARIFF AVAILABLE TO PUBLIC VIEW AT TRANS NORTH OFFICE.

THIS IS YOUR ONLY INVOICE — PAY UPON RECEIPT

1/3 of INV. TO TINTGEN.

NAME: JOHN S. BROCK

PREPARED BY:

MONTH: MAY, 88

APPROVED BY:

2 days @ $435.73/day = 871.46

DATE	WLN OEX	WLN TINTINA GENERAL	WLN TINTINA OEX	WLN TINTINA TINT	WLN H/O	EZEP H/O	EZEP TILL				OFF	LOCATION BC	LOCATION NWT	LOCATION YUKON	OFFICE	FIELD
S 1											✓					
M 2		/														
T 3					/											
W 4							/									
Th 5	/															
F 6	/															
S 7											✓					
S 8											✓					
M 9						/										
T 10							/									✓
W 11							/									
Th 12							/									
F 13	/															
S 14											✓					
S 15					/						✓					
M 16					/											
T 17					/											
W 18						/										
Th 19			/													
F 20				/												
S 21											✓					
S 22											✓					
M 23			STAT HOL.								✓					
T 24		/														
W 25							/									
Th 26						/										
F 27			/													
S 28											✓					
S 29											✓					
M 30						/										
T 31						/										
TOTAL	3	2	2	1	4	5	5	/	32		9	/	31			

APRIL - "TIN" REGIONAL

MIN-EN	35·00+
McCLINTOCK/HARDY	4,150·00+
"	500·00
BC. TEL	21·49+
"	105·00+
WESTERN REPRO	161·13+
PEAKIN	36·68+
NEVILLE CROSBY	26·50+
WESTERN REPRO	13·77+
REC. GENERAL	38·16+
McCLINTOCK/HARDY	76·40+
REC. GEN.	648·51+
WLN-PAYROLL	4,470 40+
	10,283 04

INVOICE

MIN-EN LABORATORIES LTD.
705 WEST 15TH STREET
NORTH VANCOUVER, B.C.
CANADA V7M 1T2

PHONE:(604)980-5814 OR 988-4524
TELEX:VIA USA 7601067 FAX:(604)980-9621

INVOICE No 8482C
PAGE : 1 OF 1
DATE :Apr 13/88

TO : WELCOME NORTH MINES
15-675 W. HASTINGS ST.,

VANCOUVER, B.C.
V6B 1N2

FILE No:
PROJECT:

ACCOUNT: 10297

ATTENTION: JOHN BROCK

QTY	DESCRIPTION	UNIT PRICE	AMOUNT
	CHEMICALS	35.00	35.00
		* TOTAL *	35.00

THESE ARE PROFESSIONAL SERVICES AND ARE PAYABLE WHEN RENDERED.
OUTSTANDING BALANCES OVER 30 DAYS WILL BE CHARGED 2% INTEREST/MONTH.

INVOICED
General Garden

APRIL.

McClintock/Hardy Engineering Ltd.
Suite 418-8 W. Hastings Street
Vancouver B.C.

OUR NUMBER 49677
DATE March 31/88
CUSTOMER'S ORDER
SALESMAN
TERMS
F.O.B.

SOLD TO Welcome North Mines Ltd.
15th Floor 675 W. Hastings Street

SHIPPED TO

ADDRESS VIA

INVOICE

	Tintina Project.			
	Professional Services			
	J McClintock March 15, 16, 18, 21, 22, 28, 31			
	7days @ $300/day			
	March 17-2hrs March 23-2hrs, March 24-2hrs, March 25-5hrs			
	March 29-3hrs, March 30-3hrs - total 17hrs @ $50/hr.			
	Total $2100 + $850		2950	00
	J Hardy: March 15-5hrs, March 17-4hrs March 19-1hr			
	March 27-1hr, March 28-1hr; ~~total~~ 12hrs @ $50 600			
	March 16 & 18 full day 2days @ 300 600		1200	00
	Amount Due		4150	00

PAID
Chk. # 560
Date April 5/88
Code
Journal

032

689-3443

McClintock / Hardy Engineering Ltd.
Suite 418 837 W Hastings Street
Vancouver B.C.

OUR NUMBER 49678
DATE April 21 / 87
CUSTOMER'S ORDER
SALESMAN
TERMS
F. O. B.

SOLD TO Welcome North Mines Ltd
15th Floor 675 W. Hastings Street

SHIPPED TO

ADDRESS VIA

INVOICE

	Tintina Project (April 1 to April 15 / 88)				
	Professional Services				
	J. McClintock April 6: 2 hrs, April 8: 1 hr				
	April 12: 1 hr, Total 4 hrs @ $50/hr = $200.00				
	April 15 - full day - = $300.00				
	Total $500.00				
	Expenses As per attached	66.44			
	15% Markup	9.96		576	40

D32

$500.00
76.40
576.40

B.C. TEL
BRITISH COLUMBIA TELEPHONE COMPANY

JOHN S BROCK

YOUR TELEPHONE NUMBER	DATE OF BILL
921 9710 2 WEST VAN	FEB 24, 1988

PREVIOUS BILL	196.77	AMOUNT
OVERDUE		196.77

PAID
Chk. # 553
Date 16 15 APR 1988
Code
Journal

1 RESIDENCE INDIVIDUAL ACCESS LINE	12.05	
1 BASIC DIAL TELEPHONE	1.95	
1 DO NOT LIST , DO NOT PUBLISH	2.15	
RENTAL FOR BILLING MONTH FEB 27 TO MAR 26		

LONG DISTANCE

DATE	LOCATION		NUMBER	TY	MIN	DAYRATE	SAVINGS		
JAN 25	HONGKONG		58656072	OK	3	7.88		~~7.88~~	WLN H/O
JAN 25	HOPE	BC	869 9456	OS	1	.70	.17	.53	EEP TILL
JAN 28	LITTLETON	CO	741 3456	OK	6	4.25		4.25	WLN OEX
JAN 28	WALNUTCRK	CA	947 3920	OK	1	.83		.83	ARP - A/TEX
JAN 28	FAIRBANKS	AK	452 4755	OK	5	9.90		9.90	WLN-OEX
JAN 28	EDMONTON	AB	487 7114	OK	2	1.70		1.70	WLN-OEX.
JAN 28	WALNUTCRK	CA	933 5464	OK	7	4.79		4.79	ARP - A/TEX.
JAN 28	HONGKONG		58656072	OK	7	16.88		16.88	WLN H/O
FEB 6	WALNUTCRK	CA	932 0459	OK	13	8.75		8.75	APR A TEX
FEB 7	WALNUTCRK	CA	947 3920	OS	1	.83	.29	.54	
FEB 8	WHITEHORSE	YT	668 6804	OS	19	19.96	6.92	13.04	WLN - TWTNA
FEB 8	ROSSRIVER	YT	969 2560	OS	6	6.80	2.31	4.49	
FEB 10	WALNUTCRK	CA	947 3920	OK	2	1.49		1.49	ARP
FEB 10	WALNUTCRK	CA	933 5464	OK	23	15.35		15.35	
FEB 11	ABBOTSF	BC	854 1356	OS	3	1.34	.40	.94	WLN TINT
FEB 11	SANANTONIO	TX	822 4321	OS	4	3.01	1.05	1.96	ARP
FEB 20	HOUSTON	TX	651 5359	OK	2	1.59		1.59	
FEB 20	HOUSTON	TX	651 5359	OK	3	2.30		2.30	ARP
FEB 22	HOUSTON	TX	651 5359	OB	1	.88	.53	.35	

CUSTOMER COPY - PLEASE SEE REVERSE FOR EXPLANATION OF TYPES OF LONG DISTANCE CALLS, LATE PAYMENT CHARGE, AND SAVINGS.

0000553

...TEL
...ISH COLUMBIA TELEPHONE CO...NY

PAGE 2

YOUR TELEPHONE NUMBER
921 9710

...E OF BILL
FEB 24, 1988

...pril 5, 1988

			AMOUNT
TOTAL LONG DISTANCE CHARGES		97.56	$
FEDERAL TAX AT 10% ON	97.56	9.76	=113.17
PROVINCIAL TAX AT 6% ON	97.56	5.85	
LATE PMNT CHRG: 1.50% ON $163.85 OVERDUE ON JAN BILL		2.46	
CURRENT CHARGES			131.78
TOTAL PAYABLE			328.55

**113.17

OVERDUE AMOUNT IS PAYABLE UPON RECEIPT.
IF PAYMENT HAS BEEN MADE, THANK YOU.

A LATE PAYMENT CHARGE OF 1.50% MONTHLY (19.56% PER ANNUM COMPOUNDED) APPLIES TO OVERDUE AMOUNTS

FOR INQUIRIES CALL 643-4242

113.17
212.38
$ 325.55

note: JSB Paid $ 212.38

0000553

$113.17
0.53
[illegible] 14.03
[illegible] 18.3
28.73
21.49

CUSTOMER COPY - PLEASE SEE REVERSE FOR EXPLANATION OF TYPES OF LONG DISTANCE CALLS, LATE PAYMENT CHARGE, AND SAVINGS.

OEX 918
875 ✓
TYN 918

Telephone Statement

april 5, 1988

FEP/Gold ✓

~~1.25~~
~~1.25~~
~~1.25~~
6.60
9.54
4.64
1.50
0.90
.82
.82
8.11
4.05
5.78
1.91
.88
.82
.82
.60
3.42
5.78
2.48
1.81
5.16
.52
3.60
.94
[redacted]
4.76
9.27
1.91
.82
14.10
1.41
7.25
5.01
2.31
4.02
5.54
2.44
3.76
13.60
1.34
.82
2.68
11.70
2.45
1.44
1.59
.82
2.06
2.06
.71
.71
1.34
2.17
[redacted]
2.08
2.06
2.65
8.88
2.06
1.44
2.68

1.01
1.22
.71
2.41
2.06
2.06
2.07
1.78
2.68
2.06
3.62
2.06
5.34
5.63
1.44
1.56
2.06
.73
6.89
4.54
2.06
4.54
3.05
1.34
3.60
1.60
2.03
3.02
2.06

326.16
32.62
19.57
378.35
1.25
1.25
~~1.25~~
.41
~~362.10~~
381.26

WLN
Tintina ✓
3.32
21.00
3.32
4.36
8.52
6.44
4.54
3.50
5.40
4.36
2.28
13.72
1.24
8.52
90.52
9.05
5.43
105.00

WHN
H/O ✓
65.68
31.01
.94
36.66
19.36
153.65
15.37
9.22
178.24
3.70
145.58
327.52

ARP
H/O ✓
2.15
.85
1.59
19.34
3.57
4.43
.88
1.49
3.57
4.93
3.47
2.15
.83
.88
1.419
1.59
2.30
55.51
5.55
3.33
64.39

WLN
OEX ✓
2.06
.94
1.61
1.64
2.40
4.60
2.60
2.60
23.63
37.13
8.99
.83
.94
.94
.94
2.82
94.67
9.47
5.68
109.82

JSB ✓
a/R
4.32
4.32
4.32
12.96
1.30
.78
15.04

FEP/HO ✓
1.44
2.91
4.35
.44
.26
5.05
.51
.30
5.86
2.25
3.70
145.58
157.39

Dave K.
a/R
1.91
.19 ✓
.11
2.21

MCV/Tully ✓
2.82
15.04
17.86
1.79
1.07
20.72

OEX
WLN US
4.58
.46 ✓
.27
5.31

PENN ✓
WLN
1.88
.19
.11 ✓
2.18

astro
WLN ✓
3.20
.95
1.70
1.70
7.55
.46
.45
8.46

✓ Raza/R
2.45
.25
.15
2.85

PML ✓
10.18
.85
2.21
10.13
30.38
8.33
23.63
.95
7.65
2.21
6.29
2.21
50.63
3.38
5.63
7.88
2.21
21.29
2.06
~~1.59~~
3.38
201.48
20.15
12.09
233.72

TOTAL - $ 1,436.17

B.C. TEL
BRITISH COLUMBIA TELEPHONE COMPANY

APR 14 1988

WELCOME NORTH MINES LTD

YOUR TELEPHONE NUMBER: 687 1658 8 VANCOUVER

DATE OF BILL: APR 5, 1988

		AMOUNT
PREVIOUS BILL	1237.44	
THANK YOU FOR YOUR PAYMENT, APPLIED MAR 28	1237.44CR	
1 INTERCONNECT EKT SYSTEM COUNT	0.00	
4 BUSINESS OVERLINED ACCESS LINE	240.80	
4 TOUCH CALLING LINE CHARGE	10.20	
1 ADDITIONAL DIRECTORY LISTINGS, BUSINESS	2.25	
RENTAL FOR BILLING MONTH APR 4 TO MAY 3	253.25	
ADVERTISING, VANCOUVER DIRECTORY	7.40	
MAR 9 COIN TEL LOCAL CALL - CALLING CARD	1.25	EEP/Gold
MAR 9 COIN TEL LOCAL CALL - CALLING CARD	1.25	EEP/Gold
MAR 9 COIN TEL LOCAL CALL - CALLING CARD	1.25	EEP/Gold

LONG DISTANCE

DATE	LOCATION		NUMBER	TY	MIN	DAYRATE SAVINGS		
FEB 25	VANCVER	BC	684 9371	2K	5	6.60	6.60	EEP/Gold
	FROM MCDAMEL BC							
FEB 25	VANCVER	BC	684 9371	2K	8	9.54	9.54	EEP/Gold
	FROM MCDAMEL BC							
FEB 26	FR WATSNLKY		536 9914	4K	3	4.64	4.64	EEP/Gold
FEB 26	FR WATSNLKY		536 9913	4K	10	11.50	11.50	EEP/Gold
MAR 1	ELSA	YT	995 2467	OK	18	20.90	20.90	EEP/Gold
MAR 1	WHITEHORSE	YT	668 2177	OK	3	3.32	3.32	Tintina
MAR 2	N DENVR	BC	358 2455	OK	1	.82	.82	EEP/Gold
MAR 2	NAKUSP	BC	265 3149	OK	1	.82	.82	EEP/Gold
MAR 2	FR NAKUSP	BC	265 3149	4L	8	8.11	8.11	EEP/Gold
MAR 2	FAIRBANKS	AK	479 4686	OK	2	4.05	4.05	EEP/Gold
MAR 2	N DENVR	BC	358 2651	OK	9	5.78	5.78	EEP/Gold
MAR 2	WHITEHORSE	YT	667 0103	OK	20	21.00	21.00	Tintina Gold

CUSTOMER COPY - PLEASE SEE REVERSE FOR EXPLANATION OF TYPES OF LONG DISTANCE CALLS, LATE PAYMENT CHARGE, AND SAVINGS.

TEAR STUB HERE

B.C. TEL COPY - PLEASE MAIL THIS CASHIER STUB WITH PAYMENT

TEAR STUB HERE

B.C. TELEPHONE COMPANY BOX 6767 VANCOUVER, B.C. V6B 4L6

L0006098

PAID
Chk. # 622
Date apr 26/88
Code
Journal

AMOUNT PAID

AMOUNT DUE

IF ANY PART OF THIS BILL HAS BEEN PAID OR IS BEING ADJUSTED PLEASE DEDUCT AND PAY BALANCE.

VANCOUVER 687 1658 8

B.C. TEL

BRITISH COLUMBIA TELEPHONE CO NY

YOUR TELEPHONE NUMBER: 687 1658

DATE OF BILL: APR 5, 1988

DATE		LOCATION		NUMBER	TY	MIN	DAYRATE	SAVINGS	AMOUNT	
MAR	2	KELOWNA	BC	860 4000	OK	3	1.91		1.91	EEP/Gold
MAR	2	FERNIE	BC	423 6884	OK	1	.88		.88	EEP/Gold
MAR	2	NELSON	BC	354 6125	OK	1	.82		.82	EEP/Gold
MAR	2	N DENVR	BC	358 2455	OK	1	.82		.82	EEP/Gold
MAR	2	AUSTRALIA		22581005	OK	35	65.68		65.68	WLN H/O
MAR	2	N DENVR	BC	358 2477	OS	1	.82	.22	.60	EEP/Gold
MAR	2	N DENVR	BC	358 2455	OS	8	5.16	1.74	3.42	EEP/Gold
MAR	3	TRAIL	BC	364 4222	OK	9	5.78		5.78	EEP/Gold
MAR	3	SANRAFAEL	CA	461 5900	OK	3	2.15		2.15	ARP/HO
MAR	3	WILDER	ID	482 7272	OK	3	2.06		2.06	WLN OEX
MAR	3	KELOWNA	BC	860 4000	OK	4	2.48		2.48	EEP/Gold
MAR	3	N DENVR	BC	358 2682	OS	4	2.68	.87	1.81	EEP/Gold
MAR	4	NAKUSP	BC	265 3149	OK	8	5.16		5.16	EEP/Gold
MAR	4	NAKUSP	BC	265 4051	OK	1	.82		.82	EEP/Gold
MAR	4	TORONTO	ON	367 4571	OK	1	.94		.94	WLN OEX
MAR	4	SANDSPT	BC	637 5423	OK	5	3.60		3.60	EEP/Gold
MAR	4	WHITEHORSE	YT	668 2177	OK	3	3.32		3.32	TINTWA General
MAR	4	HEMLO	ON	238 1100	OK	1	.94		.94	EEP/Gold
MAR	4	HEMLO	ON	238 1041	OK	1	.94		.94	EEP/Gold
MAR	4	VERNON	BC	545 8062	OK	7	4.19		4.19	EEP/Gold
MAR	5	PMOODY	BC	937 0888	3T	4	4.76		4.76	EEP/Gold
		FROM NAKUSP BC								
MAR	6	MARATHON	ON	229 2835	2S	13	9.27		9.27	EEP/Gold
		FROM VERNON BC								
MAR	7	VANCVER	BC	688 0133	3K	3	4.32		4.32	JSB
		FROM TORO ON								
MAR	7	LKVW HT	BC	769 6770	OK	3	1.91		1.91	EEP/Gold
MAR	7	NAKUSP	BC	265 3689	OK	1	.82		.82	EEP/Gold
MAR	7	MARATHON	ON	229 2835	OK	15	14.10		14.10	EEP/Gold
MAR	7	N DENVR	BC	358 2682	OS	3	2.06	.65	1.41	EEP/Gold

CUSTOMER COPY - PLEASE SEE REVERSE FOR EXPLANATION OF TYPES OF LONG DISTANCE CALLS, LATE PAYMENT CHARGE, AND SAVINGS.

TEAR STUB HERE

B.C. TEL COPY - PLEASE MAIL THIS CASHIER STUB WITH PAYMENT

TEAR STUB HERE

B.C. TELEPHONE COMPANY BOX 6767 VANCOUVER, B.C. V6B 4L6

L0006099

AMOUNT PAID

AMOUNT DUE

IF ANY PART OF THIS BILL HAS BEEN PAID OR IS BEING ADJUSTED PLEASE DEDUCT AND PAY BALANCE.

VANCOUVER 687 1658 8

B.C. TEL

BRITISH COLUMBIA TELEPHONE CO NY

YOUR TELEPHONE NUMBER: 687 1658

DATE OF BILL: APR 5, 1988

	DATE	LOCATION		NUMBER	TY	MIN	DAYRATE	SAVINGS		AMOUNT
1										
2	MAR 14	SALMO	BC	357 9461	OK	4	2.68		2.68	EEP/Gold
3	MAR 14	WHITEHORSE	YT	667 3135	OK	4	4.36		4.36	WLW - TIMMA
4	MAR 14	STANLEMSSN	SK	635 2060	OK	13	11.70		11.70	EEP/Gold
5	MAR 14	KELOWNA	BC	860 4000	OK	4	2.48		2.48	EEP/Gold
6	MAR 14	SALMO	BC	357 9461	OK	2	1.44		1.44	EEP/Gold
7	MAR 15	CEDARRPDS	IA	365 5267	OK	2	1.59		1.59	EEP/Gold
8	MAR 15	TORONTO	ON	968 5200	OK	3	2.82		2.82	MCY/TUNY
9	MAR 15	TIMMINS	ON	267 6680	OK	16	15.04		15.04	MCY/TUNY
10	MAR 15	NELSON	BC	354 4067	OK	1	.82		.82	EEP/Gold
11	MAR 15	NELSON	BC	352 2569	OK	3	2.06		2.06	EEP/Gold
12	MAR 15	NELSON	BC	352 5242	OK	3	2.06		2.06	EEP/Gold
13	MAR 15	ASHCROF	BC	453 2668	OK	1	.71		.71	EEP/Gold
14	MAR 15	ASHCROF	BC	453 2323	OK	1	.71		.71	EEP/Gold
15	MAR 15	PENTICT	BC	493 1704	OK	2	1.34		1.34	EEP/Gold
16	MAR 15	PENTICT	BC	492 6130	OK	21	12.17		12.17	EEP/Gold
17	MAR 15	MCDAME	BC	233 3113	OK	6	6.08		6.08	EEP/Gold
18	MAR 15	NELSON	BC	352 6474	OK	3	2.06		2.06	EEP/Gold
19	MAR 16	NELSON	BC	352 7312	OK	4	2.68		2.68	EEP/Gold
20	MAR 16	NAKUSP	BC	265 3635	OK	2	1.44		1.44	EEP/HO
21	MAR 16	NAKUSP	BC	265 4642	OK	14	8.88		8.88	EEP/Gold
22	MAR 16	WHITEHORSE	YT	668 2177	OK	8	8.52		8.52	Tintino/WLW
23	MAR 16	WHITEHORSE	YT	668 2177	OK	6	6.44		6.44	Tintino/WLW
24	MAR 16	FAUQIER	BC	269 7455	OK	7	4.54		4.54	✓
25	MAR 16	NAKUSP	BC	265 3149	OK	3	2.06		2.06	EEP/Gold
26	MAR 16	NAKUSP	BC	265 3689	OK	2	1.44		1.44	EEP/Gold
27	MAR 16	NAKUSP	BC	265 4646	OK	4	2.68		2.68	EEP/Gold
28	MAR 16	NAKUSP	BC	265 4646	OS	2	1.44	.43	1.01	EEP/Gold
29	MAR 17	ASHCROF	BC	453 2323	OK	2	1.22		1.22	EEP/Gold
30	MAR 17	PRINCET	BC	295 6198	OK	1	.71		.71	EEP/Gold
31	MAR 17	SANDSPT	BC	637 5423	OS	5	3.60	1.19	2.41	EEP/Gold
32	MAR 18	CASTLEG	BC	365 2131	OK	3	2.06		2.06	EEP/Gold

CUSTOMER COPY - PLEASE SEE REVERSE FOR EXPLANATION OF TYPES OF LONG DISTANCE CALLS, LATE PAYMENT CHARGE, AND SAVINGS.

TEAR STUB HERE

B.C. TEL COPY - PLEASE MAIL THIS CASHIER STUB WITH PAYMENT

TEAR STUB HERE

B.C. TELEPHONE COMPANY BOX 6767 VANCOUVER, B.C. V6B 4L6

L0006101

AMOUNT PAID

AMOUNT DUE

IF ANY PART OF THIS BILL HAS BEEN PAID OR IS BEING ADJUSTED PLEASE DEDUCT AND PAY BALANCE.

VANCOUVER 687 1658 8

B.C. TEL
BRITISH COLUMBIA TELEPHONE CO NY

PAGE 5

YOUR TELEPHONE NUMBER: 687 1658

DATE OF BILL: APR 5, 1988

DATE	LOCATION		NUMBER	TY	MIN	DAYRATE	SAVINGS	AMOUNT	
MAR 18	CASTLEG	BC	365 8079	OK	3	2.06		2.06	EEP/Gold
MAR 18	VICTORI	BC	387 4471	OK	3	1.64		1.64	WLN OEX
MAR 18	YELLOWKNIF	NT	873 4421	OK	2	2.40		2.40	
MAR 18	YELLOWKNIF	NT	873 7110	OK	4	4.60		4.60	
MAR 18	NELSON	BC	352 5538	3K	3	2.07		2.07	EEP TILL
	FROM CASTLEG BC								
MAR 18	NELSON	BC	352 6474	3K	2	1.78		1.78	✓
	FROM CASTLEG BC								
MAR 20	AUSTRALIA		22581005	OK	5	10.18		10.18	PML
MAR 21	ASPEN	CO	925 7820	OK	1	.85		.85	
MAR 21	ASPEN	CO	925 7820	OK	3	2.21		2.21	
MAR 21	YELLOWKNIF	NT	920 8225	OK	3	3.50		3.50	Tintina / WLN
MAR 21	FARMINGTON	NM	326 5525	OK	5	3.57		3.57	ARP 11/1
MAR 21	SANANTONIO	TX	821 6194	OK	6	4.43		4.43	ARP
MAR 21	BRAZIL		212215396	OK	4	10.13		10.13	PML
MAR 21	VICTORI	BC	387 4471	OK	5	2.60		2.60	WLN OEX
MAR 21	VICTORI	BC	382 6111	OK	5	2.60		2.60	WLN/OEX
MAR 21	HONGKONG		58617733	OK	13	30.38		30.38	PML
MAR 21	AUSTRALIA		22212044	OK	4	8.33		8.33	PML
MAR 21	WHITEHORSE	YT	668 2177	OK	5	5.40		5.40	TINTINA OEX
MAR 21	HONGKONG		58498705	OK	10	23.63		23.63	WLN/OEX
MAR 21	HONGKONG		5263085	OK	16	37.13		37.13	WLN/OEX
MAR 22	BRAZIL		212215396	OK	10	23.63		23.63	PML
MAR 22	N DENVR	BC	358 7922	OK	4	2.68		2.68	EEP/Gold
MAR 22	BURNS	OR	573 7141	OK	14	8.99		8.99	WLN/OEX
MAR 22	PENHOLD	AB	886 5550	OK	1	.95		.95	PML
MAR 22	DENVER	CO	759 4040	OK	11	7.65		7.65	PML
MAR 22	NAKUSP	BC	265 3131	OK	3	2.06		2.06	EEP/Gold
MAR 22	HENDERSON	NV	564 4195	OK	3	2.21		2.21	PML
MAR 22	KELOWNA	BC	860 4000	OK	6	3.62		3.62	EEP/Gold
MAR 22	HENDERSON	NV	564 4195	OK	9	6.29		6.29	PML

CUSTOMER COPY - PLEASE SEE REVERSE FOR EXPLANATION OF TYPES OF LONG DISTANCE CALLS, LATE PAYMENT CHARGE, AND SAVINGS.

TEAR STUB HERE

B.C. TEL COPY - PLEASE MAIL THIS CASHIER STUB WITH PAYMENT

TEAR STUB HERE

B.C. TELEPHONE COMPANY BOX 6767 VANCOUVER, B.C. V6B 4L6

L0006102

AMOUNT PAID

AMOUNT DUE

IF ANY PART OF THIS BILL HAS BEEN PAID OR IS BEING ADJUSTED PLEASE DEDUCT AND PAY BALANCE.

VANCOUVER 687 1658 8

B.C. TEL

BRITISH COLUMBIA TELEPHONE CO NY

PAGE 6

YOUR TELEPHONE NUMBER 687 1658

DATE OF BILL APR 5, 1988

DATE	LOCATION		NUMBER	TY	MIN	DAYRATE SAVINGS	AMOUNT	
MAR 22	DENVER	CO	759 4040	OK	3	2.21	2.21	PML
MAR 22	BRAZIL		212215396	OK	22	50.63	50.63	PML
MAR 22	SANANTONIO	TX	821 6194	OK	1	.88	.88	ARP PML
MAR 22	BRAZIL		212215396	OK	1	3.38	3.38	
MAR 22	WALNUTCRK	CA	933 5464	OK	2	1.49	1.49	ARP H/O
MAR 22	DENVER	CO	863 7021	OK	5	3.57	3.57	ARP H/O
MAR 22	WHITEHORSE	YT	667 3135	OK	4	4.36	4.36	WLN TINTNA
MAR 22	NAKUSP	BC	265 3149	OK	3	2.06	2.06	EEP/Gold
MAR 22	FARMINGTON	NM	326 5525	OK	7	4.93	4.93	ARP H/O
MAR 22	BRAZIL		212215396	OK	2	5.63	5.63	PML
MAR 22	BRAZIL		212215396	OK	3	7.88	7.88	PML
MAR 22	DENVER	CO	863 7021	OK	3	2.21	2.21	PML
MAR 22	WALNUTCRK	CA	933 5464	OK	5	3.47	3.47	ARP
MAR 22	WALNUTCRK	CA	933 5464	OK	3	2.15	2.15	ARP
MAR 22	RENO	NV	786 3498	OK	1	.83	.83	WLN OEX
MAR 23	WENATCHEE	WA	884 3983	OK	11	5.34	5.34	EEP/Gold
MAR 23	WALNUTCRK	CA	933 5464	OK	1	.83	.83	ARP
MAR 23	SANANTONIO	TX	821 6194	OK	1	.88	.88	ARP
MAR 23	WALNUTCRK	CA	933 5464	OK	2	1.49	1.49	ARP
MAR 24	FR NAKUSP	BC	265 3149	4L	4	5.63	5.63	EEP/Gold
MAR 24	NAKUSP	BC	265 3635	OK	2	1.44	1.44	EEP/HO
MAR 24	FERNIE	BC	423 6884	OK	2	1.56	1.56	EEP/Gold
MAR 24	CALGARY	AB	296 4666	OK	4	3.20	3.20	WLN-QSTO
MAR 24	NAKUSP	BC	265 3635	OK	3	2.06	2.06	EEP/Gold
MAR 24	CALGARY	AB	296 4666	OK	1	.95	.95	WLN-QSTO
MAR 24	SPOKANE	WA	624 5854	OK	1	.73	.73	EEP TILL
MAR 24	SPOKANE	WA	624 5854	OK	12	6.89	6.89	EEP TILL
MAR 24	WALNUTCRK	CA	933 5464	OK	32	21.29	21.29	PML
MAR 24	MALTON	ON	671 2446	OK	1	.94	.94	WLN OEX
MAR 24	MALTON	ON	671 2446	OK	1	.94	.94	
MAR 24	MALTON	ON	671 2446	OK	1	.94	.94	

CUSTOMER COPY - PLEASE SEE REVERSE FOR EXPLANATION OF TYPES OF LONG DISTANCE CALLS, LATE PAYMENT CHARGE, AND SAVINGS.

TEAR STUB HERE

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TEAR STUB HERE

B.C. TELEPHONE COMPANY BOX 6767 VANCOUVER, B.C. V6B 4L6

L0006103

AMOUNT PAID

AMOUNT DUE

IF ANY PART OF THIS BILL HAS BEEN PAID OR IS BEING ADJUSTED PLEASE DEDUCT AND PAY BALANCE.

VANCOUVER 687 1658 8

B.C. TEL

BRITISH COLUMBIA TELEPHONE CO. NY

PAGE 7

YOUR TELEPHONE NUMBER: 687 1658

DATE OF BILL: APR 5, 1988

DATE	LOCATION		NUMBER	TY	MIN	DAYRATE	SAVINGS	AMOUNT	
MAR 24	WHITEHORSE	YT	667 3135	OK	2	2.28		2.28	TITINA
MAR 24	NELSON	BC	354 6125	OK	7	4.54		4.54	EEP/GOLD
MAR 24	BURNS	OR	573 7141	OK	3	2.06		2.06	PML
MAR 24	SANANTONIO	TX	821 6194	OK	2	1.59		1.59	ARD
MAR 25	SANANTONIO	TX	821 6194	OK	3	2.30		2.30	ARD
MAR 25	NELSON	BC	352 5499	OK	3	2.06		2.06	EEP/Gold
MAR 25	CASTLEG	BC	365 2600	OK	7	4.54		4.54	EEP/Gold
MAR 25	DALLAS	BC	573 5355	OK	5	3.05		3.05	EEP/Gold
MAR 25	DALLAS	BC	573 5355	OK	2	1.34		1.34	EEP/Gold
MAR 25	SUDBURY	ON	682 8444	OK	2	1.88		1.88	WLN - Penny
MAR 25	WILDER	ID	482 7272	OK	7	4.58		4.58	WLN US/AC
MAR 25	CALGARY	AB	296 4666	OK	2	1.70		1.70	WLN - Castro
MAR 25	SANDSPT	BC	637 5423	OK	5	3.60		3.60	EEP/Gold
MAR 25	WHITEHORSE	YT	668 2177	OK	13	13.72		13.72	Tintina/WLN
MAR 26	NDENVR	BC	358 2682	3S	1	1.60		1.60	EEP/Gold
	FROM PMOODY BC								
MAR 27	N688234		N68 8234	3S	2	2.03		2.03	EEP TILL
	FROM NAKUSP BC								
MAR 28	CALGARY	AB	266 1986	OK	3	2.45		2.45	RAZ/AR
MAR 28	HONGKONG		58617650	OK	1	3.38		3.38	PML
MAR 28	NELSON	BC	352 6474	OS	7	4.54	1.52	3.02	EEP/Gold
MAR 29	CALGARY	AB	296 4666	OK	2	1.70		1.70	WLN - Castro
MAR 29	MALTON	ON	671 2446	OK	3	2.82		2.82	Burn ops
MAR 29	VANCVER	BC	687 1658	3K	3	2.91		2.91	EEP H/O
	FROM PENTICT BC								
MAR 29	NAKUSP	BC	265 3149	OK	3	2.06		2.06	EEP/G
MAR 30	WHITEHORSE	YT	633 2974	OK	1	1.24		1.24	Tintina/WLN
MAR 30	WHITEHORSE	YT	667 5102	OK	8	8.52		8.52	

CUSTOMER COPY - PLEASE SEE REVERSE FOR EXPLANATION OF TYPES OF LONG DISTANCE CALLS, LATE PAYMENT CHARGE, AND SAVINGS.

TEAR STUB HERE

B.C. TEL COPY - PLEASE MAIL THIS CASHIER STUB WITH PAYMENT

TEAR STUB HERE

B.C. TELEPHONE COMPANY BOX 6767 VANCOUVER, B.C. V6B 4L6

L0006104

AMOUNT PAID

AMOUNT DUE

IF ANY PART OF THIS BILL HAS BEEN PAID OR IS BEING ADJUSTED PLEASE DEDUCT AND PAY BALANCE.

VANCOUVER 687 1658 8

MAR 30 1988

INVOICE

H 97389

WESTERN REPRODUCERS LTD.

TERMS

NET. PAYABLE UPON RECEIPT OF INVOICE

~~514 HORNBY STREET, VANCOUVER, BRITISH COLUMBIA V6C 2E7 - PHONE 684-5391 (HEAD OFFICE)~~
823 WEST PENDER STREET
VANCOUVER, B.C. V6C 1K6

PAID
Chk. # 566
Date April 11/88
Code
Journal

TO

WELCOME NORTH MINES LTD.
15TH FLR. ROYAL BANK BLD.
675 W. HASTINGS ST.
VANCOUVER, B.C.
94086
V6B 1N2

SHIP TO

DATE	YOUR ORDER NO.	FED. TAX NO.	PROV. TAX NO.	DATE REQUIRED	DATE SUPPLIED
Mar 16/88					

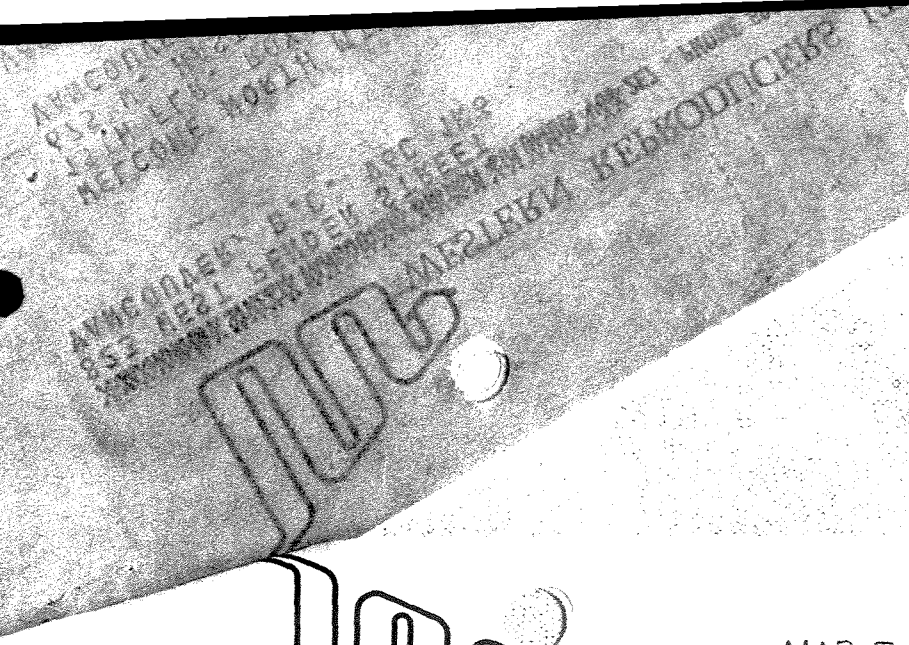
No. Orig.	DESCRIPTION	CODE	UNIT	QUANTITY	PRICE	AMOUNT
1	2 ea 30x40 Blackline	71A	17		2.90/.38	9.36
	A. Schmidt (TROUT)					
*3	1 Ea 42X45 @100% Bond	15	21		4.40/4.20	92.60
		19	10.5		1.13/1.94	21.50
	* Spliced A. Schmidt		OEX			
1	3 ot 24x36 @100% Bond	15	9			
1	3 ot 22x26 @ 100% Bond	15	7.5	22.5	4.40/4.20	98.90
1	3 ot 19x25 @ 100% Bond	15	6			
	J.L. Hardy Tintina					222.36

AUTHORIZED BY

RECEIVED BY

FED. TAX	26.68
PROV. TAX	14.94
TOTAL	263.98

98.90
+ 54.80
153.70
+7.43 TAX
161.13



MAR 30 1988

INVOICE

H 97432

WESTERN REPRODUCERS LTD.

514 HORNBY STREET, VANCOUVER, BRITISH COLUMBIA V6C 2E7 - PHONE 684-5391 (HEAD OFFICE)

823 WEST PENDER STREET
VANCOUVER, B.C. V6C 1K6

TERMS
NET. PAYABLE UPON RECEIPT OF INVOICE

TO

WELCOME NORTH MINES LTD.
15TH FLR. ROYAL BANK BLD.
675 W. HASTINGS ST.
VANCOUVER, B.C.
94086
V6B 1N2

SHIP TO

DATE	YOUR ORDER NO.	FED. TAX NO.	PROV. TAX NO.	DATE REQUIRED	DATE SUPPLIED
21/MAR/88					

No. Orig.	DESCRIPTION	CODE	UNIT	QUANTITY	PRICE	$ AMOUNT
1	2 Ea 30 x 41 @ Blackline	71A	18¢		2.90/.38¢	9.74
	A. [illegible] — TROUT					
1	2 ea 24 x 41 @ 100% Bond	15	7¢		4.90/4.20/¢	33.80
	A. [illegible] — OEX					
1	2 ea 36 x 44 @ 100% Bond	BC	8¢		4.90/6.30/¢	54.80
	[illegible] 1 in Rivers					98.34

AUTHORIZED BY

RECEIVED BY

FED. TAX	11.80
PROV. TAX	6.61
TOTAL $	116.75

DEAKIN EQUIPMENT LTD.

875 EAST CORDOVA STREET, VANCOUVER, B.C. V6A 3R2
TELEPHONE: (604) 253-2685
TELEX: 04-507720

INVOICE NUMBER
№ 77093

INVOICE

SOLD TO: WELCOME NORTH MINES LTD
1st FLOOR, 675 W HASTINGS.
VANCOUVER, B.C. V6B 1N2

SHIP TO: SAME

SHIPPING AND INVOICE DATE	SHIPPED VIA	PPD.	COLL.	PPD. CHG.	TERMS:	YOUR ORDER NO.	DATE ORDERED
Apr 28/88	OUR TRUCK	☐	☐	☐	1% 10 DAYS NET 30	TINTINA	APRIL 21/88

QTY. B.O.	QTY. ORDERED	DESCRIPTION	QTY. SHIPPED	UNIT PRICE	AMOUNT
	2.	NO. 1040 2½ lb HAMMER - MATTOCK.	2	7.15ea	14 30
	2	NO. 36-36" ELGIN MATTOCK HANDLE	2	10.15ea	20 30
		623 apr 28/88			

FEDERAL TAX	FEDERAL TAX NO.	PROVINCIAL TAX NO.		
INCL ☑ EXCL ☐		+	TOTAL	34 60
			PROV. TAX	2 08
			FREIGHT/POST.	—
			AMOUNT DUE	36 68

CUSTOMER COPY





NEVILLE CROSBY INC.

325 W. 6[illegible] AVENUE, VANCOUVER, B.C. V5Y 1L1
TELEPHONE 873-4343 TELEX 04-507762

MINING & FORESTRY SUPPLIES

SOLD TO
Welcome North Mines Ltd.
15th Flr., 675 W. Hastings St.
Vancouver, BC
CAN V6B 1N2

SHIP TO

DATE: APRIL 13/88

REG. NO. H 9123

CUSTOMER P.O. NUMBER: 58487

INVOICE: 60700

SHIPPED VIA	NO. OF PARCELS	SHIPPED	CLERK	CASH	CHARGE	C.O.D.
BR.	1	BR.	LV		X	

QUANTITY ORDERED	QUANTITY UNIT	CAT. No.	DESCRIPTION	B/O	SHIPPED	PRICE PER UNIT	AMOUNT
2	ONLY		16X HAND LENS		2	12.50	25.00
						S.S. TAX	1.50
						DELIVERY	
						TOTAL	26.50

Overdue Accounts subject to interest.
Merchandise returned for Credit will not be accepted unless previous arrangements have been made.
TERMS: Sales Net 30 Days / Rentals in Advance.

PLEASE PAY THIS AMOUNT

Thank You

INVOICE COPY

WESTERN REPRODUCERS LTD.

823 W. PENDER STREET, VANCOUVER, BRITISH COLUMBIA V6C 1K6 - PHONE 684-5391 (HEAD OFFICE)

INVOICE COPY

P 09885

TERMS

NET, PAYABLE UPON RECEIPT OF INVOICE

TO

WELCOME NORTH MINES LTD.
15TH FLR. ROYAL BANK BLD.
675 W. HASTINGS ST.
VANCOUVER, B.C.
94086
V6B 1N2

SHIP TO

DATE	YOUR ORDER NO.	FED. TAX NO.	PROV. TAX NO.	DATE REQUIRED	DATE SUPPLIED
April 11/88					

No. Orig.	DESCRIPTION	CODE	UNIT	QUANTITY	PRICE	AMOUNT
1	1 ea. 18 x 25 @100% Vellum	12	2		440/360	11.60
	John McCutch					

AUTHORIZED BY

RECEIVED BY

FED. TAX	1.39
PROV. TAX	.78
TOTAL	13.77

CHEQUE REQUISITION

Date: April 5/88

TO: ACCOUNTANT

FROM: WLN
Name of Company

Requested by: JMcC

Approved by: _____

PAID
Chk. # 557
Date April 5/88
Code
Journal

A cheque in the amount of $38.16

is required as follows:

NAME OF FIRM : Receiver Gen. for Canada

ADDRESS : _____

BRIEF DESCRIPTION: Maps

CHARGE:

Project : _____

Claim Group: _____

Code : _____

Cheque No. : _____

Folio : _____

Date : _____

0000625

April 26, 1988

**648.51

Receiver General for Canada

⑈0000625⑈ ⑆00010⑉010⑆ 95⑉09917⑈

0000625

26, 1988 RE: Maps $648.51

1:50,000

NTS		QUANTITY
116 C /	1	2
	2	3
	8	2
	10	1 /8
115 O /	5	1
	6	2
	10	2
	11	3
	12	2
	16	1 /11
115 N	7	2
	8	3
	9	3
	10	1
	15	2
	16	2 /13
		32

$548.—
tax 32.88
1) 580.88

= 137 MAPS TOTAL

@ 4.00 each + tax

1 EACH

MEMOIR 364 $10.00 } NO TAX
319 $10.00

2) 20.—

OPEN FILE 486 $7.50 + tax $7.50
.45
7.95

3) 7.95

MAP 1398 A MacMillian River $5.— } NO TAX
1418 A Iskut River $5.—

4) 10.—

19-1966	Watson Lk	$4.—
10-1960	Wolf Lk.	4.—
19-1987	Sheldon, Tay	4.—
18-1973	Stewart	4.—
890 A	Mayo	C.P.
1143 A	McQuesten	4.—
711 A	Stewart Riv.	C.P.
46-1962	Rabbit River	4.—
1221 A		4.—

6%
& tax $28.—
tax 1.68
5) $29.68

$613.95

MAPS REQUIRED

D. HOWE.
McCLINTOCK / HARDY

1:250,000

	QUANTITY
104 P	1
95 M	1
105 A	1

1:50,000

NTS		QUANTITY
95M/5		2
104P/1		2
105B/9		3
"	10	1
	14	2
	15	5
	16	1
105F/9		3
	15	3
	16	3
105G/2		1
	5	2
	6	1
	11	1
	12	3
	13	1
105J/3		1
	4	1
	5	2
	12	2
105K/1		1
	2	3
	3	3
	4	1
	5	3
	6	1
105L/8		2
	9	3
	10	2
	13	3
	14	1
	15	2
105M	4	3
115P/1		2
	2	2
	6	1
	7	1
	9	2
	11	3
	12	2
	13	2
	15	1
116A/2		2
	4	3
116B	1	3
	2	2
	3	2
	4	1
	5	3
	6	2
		50

PAID
Chk. # 625
Date 12/26/58
Code
Journal

Communications Canada

APR 20 1988

RADIO STATION LICENCE

LICENCE DE STATION RADIO

Issued in accordance with the Radio Act and Regulations made thereunder

Délivrée en conformité de la Loi sur la Radio et de ses règlements d'exécution

THIS LICENCE SHALL BE RETAINED AT THE STATION

LA PRÉSENTE LICENCE DOIT ÊTRE CONSERVÉE À LA STATION

CLASS OF LICENCE/CLASSE DE LICENCE	THIS LICENCE SHALL CONTINUE IN FORCE UNTIL / CETTE LICENCE RESTERA EN VIGUEUR JUSQU'AU	COMPANY CODE / CODE DE LA CIE	LICENCE NUMBER / NUMÉRO DE LA LICENCE
LAND/TERRESTRE	MARCH 31 1989 31 MARS 1989	080100270	112-3117918

ISSUED TO / DÉLIVRÉE À

WELCOME NORTH MINES LTD.
1500-675 WEST HASTINGS STREET
VANCOUVER, B.C. V6B 1N2

SERVICE CATEGORY/CATÉGORIE DE SERVICE

PRIVATE COMMERCIAL / COMMERCIAL PRIVE

TRANSMITTING FREQUENCIES / FRÉQUENCE D'ÉMISSION	NECESSARY BANDWIDTH & CLASS OF EMISSION / LARGEUR DE BANDE NECESSAIRE ET CLASSE D'EMISSION	POWER / PUISSANCE kW	AUTHORIZED COMMUNICATIONS/CONDITIONS / COMMUNICATIONS AUTORISEES/CONDITIONS	RECEIVING FREQUENCIES / FRÉQUENCES DE RÉCEPTION	CHANNELS-VOIES TX-EM	CHANNELS-VOIES RX-REC
4442.400 KHZ	2K80 J3EJN	PEP .0100	LICENSED STATIONS - INTERCAMP NOTE: CRF = 4441.000 KHZ	4442.400 KHZ	01	01
4574.900 KHZ	2K80 J3EJN	PEP .0100	B.C TEL - TX:CGF465 RX:CGA584 NOTE: TX CRF = 4573.500 KHZ RX CRF = 4543.500 KHZ	4544.900 KHZ	01	01
3225.400 KHZ	2K80 J3EJN	PEP .0100	B.C TEL - TX:CGF465 RX:CGA584 NOTE: TX CRF = 3224.000 KHZ RX CRF = 3300.000 KHZ	3301.400 KHZ	01	01

*** SEE/VOIR PAGE 2

STATION LOCATION / EMPLACEMENT DE LA STATION: BATTLEMENT CREEK BC

NON-METRO / EXTRA-METRO

CO-ORDINATES / COORDONNEES: LAT. 51 00 10 N LONG. 123 00 15 W/O

CALL SIGN / INDICATIF D'APPEL	DATE OF ISSUE/DATE DE DÉLIVRANCE
VOG618	APRIL 01 AVR 1988

Flora MacDonald

FLORA MACDONALD

MINISTER OF COMMUNICATIONS/MINISTRE DES COMMUNICATIONS

SEE REVERSE SIDE-VOIR AU VERSO

Communications Canada

RADIO STATION LICENCE

LICENCE DE STATION RADIO

Issued in accordance with the Radio Act and Regulations made thereunder
THIS LICENCE SHALL BE RETAINED AT THE STATION

Délivrée en conformité de la Loi sur la Radio et de ses règlements d'exécution
LA PRÉSENTE LICENCE DOIT ÊTRE CONSERVÉE À LA STATION

CLASS OF LICENCE/CLASSE DE LICENCE	THIS LICENCE SHALL CONTINUE IN FORCE UNTIL / CETTE LICENCE RESTERA EN VIGUEUR JUSQU'AU	COMPANY CODE / CODE DE LA CIE	LICENCE NUMBER / NUMÉRO DE LA LICENCE
AND/TERRESTRE	MARCH 31 1989 31 MARS 1989	080100270	112-3117918

ISSUED TO / DÉLIVRÉE À

WELCOME NORTH MINES LTD.
1500-675 WEST HASTINGS STREET
VANCOUVER, B.C. V6B 1N2

SERVICE CATEGORY/CATÉGORIE DE SERVICE

TRANSMITTING FREQUENCIES / FRÉQUENCE D'ÉMISSION	NECESSARY BANDWIDTH & CLASS OF EMISSION / LARGEUR DE BANDE NÉCESSAIRE ET CLASSE D'ÉMISSION	POWER / PUISSANCE kW	AUTHORIZED COMMUNICATIONS/CONDITIONS COMMUNICATIONS AUTORISÉES/CONDITIONS	RECEIVING FREQUENCIES / FRÉQUENCES DE RÉCEPTION	CHANNELS-VOIES TX-EM.	CHANNELS-VOIES RX-REC

APPENDIX R

*** PAGE 2

THE USE OF THE FREQUENCY(S) SHALL BE SHARED WITH OTHERS, IT SHALL NOT CAUSE INTERFERENCE TO OTHER RADIO SERVICES OR PRIVATE RECEIVING STATIONS AND IS SUBJECT TO WITHDRAWAL AT THE DISCRETION OF THE DEPARTMENT.

*** SEE/VOIR PAGE 3

CALL SIGN / INDICATIF D'APPEL	DATE OF ISSUE/DATE DE DÉLIVRANCE

Flora MacDonald
FLORA MACDONALD
MINISTER OF COMMUNICATIONS/MINISTRE DES COMMUNICATIONS

SEE REVERSE SIDE-VOIR AU VERSO

Communications Canada

RADIO STATION LICENCE

Issued in accordance with the Radio Act and Regulations made thereunder

THIS LICENCE SHALL BE RETAINED AT THE STATION

LICENCE DE STATION RADIO

Délivrée en conformité de la Loi sur la Radio et de ses règlements d'exécution

LA PRÉSENTE LICENCE DOIT ÊTRE CONSERVÉE À LA STATION

CLASS OF LICENCE/CLASSE DE LICENCE	THIS LICENCE SHALL CONTINUE IN FORCE UNTIL / CETTE LICENCE RESTERA EN VIGUEUR JUSQU'AU	COMPANY CODE / CODE DE LA CIE	LICENCE NUMBER / NUMÉRO DE LA LICENCE
LAND/TERRESTRE	MARCH 31 1989 31 MARS 1989	080100270	112-3117918

ISSUED TO / DÉLIVRÉE À

WELCOME NORTH MINES LTD.
1500-675 WEST HASTINGS STREET
VANCOUVER, B.C. V6B 1N2

SERVICE CATEGORY/CATÉGORIE DE SERVICE

TRANSMITTING FREQUENCIES / FRÉQUENCE D'ÉMISSION	NECESSARY BANDWIDTH & CLASS OF EMISSION / LARGEUR DE BANDE NÉCESSAIRE ET CLASSE D'EMISSION	POWER / PUISSANCE kW	AUTHORIZED COMMUNICATIONS/CONDITIONS COMMUNICATIONS AUTORISEES/CONDITIONS	RECEIVING FREQUENCIES / FRÉQUENCES DE RÉCEPTION	CHANNELS-VOIES TX-EM	CHANNELS-VOIES RX-REC

APPENDIX Z

*** PAGE 3

UPON THE DEPARTMENT FINDING THAT THE OPERATION OF THIS STATION IS INTERFERING WITH ANOTHER SYSTEM SHARING THE CHANNEL, THE LICENSEE WILL BE REQUIRED TO MONITOR THE TRANSMITTING FREQUENCY AT ALL TIMES.
"LATEST REVISION DATE MAY 2, 1984."

CALL SIGN / INDICATIF D'APPEL

DATE OF ISSUE/DATE DE DÉLIVRANCE

Flora MacDonald

FLORA MACDONALD
MINISTER OF COMMUNICATIONS/MINISTRE DES COMMUNICATIONS

SEE REVERSE SIDE-VOIR AU VERSO

NAME: A. J. Schmidt | PREPARED BY: AJS

MONTH: April, 1988 | APPROVED BY:

DATE		OEX-USA WCN	OET WLN	TINTINA WLN								LOCATION BC	LOCATION USA	LOCATION YUKON	OFFICE	FIELD
1	H	—	STAT. HOLIDAY													
2	S	X														
3	S	X														
4	H	—	OFFICE HOLIDAY													
5		✓	Oregon / Calif. prog. submittals									✓			✓	
6			✓ Placer Dome submittal, etc									✓			✓	
7			✓		✓		+ Nelson area					✓			✓	
8		✓	Bagdad Area / Oregon									✓			✓	
9	S	—														
10	S	—														
11		✓	Bagdad Area. Travel to Portland										✓			✓
12		✓	Newmont office — IBEX project										✓			✓
13		✓	←		- IBEX / Liberty Bell								✓			✓
14		✓	BLM office - weekend. Travel to Boise										✓			✓
15		✓	Boise Cascade office - North Pole project										✓			✓
16	S	—														
17	S	—														
18		✓	Review IBEX Mtg & North Pole project									✓			✓	
19		✓	North Pole project compil.									✓			✓	
20		✓	North Pole / Liberty Bell / Wyo. Subp, etc									✓			✓	
21			✓ Travel to Whitehorse.											✓		✓
22			✓ to Ross River. Examine Pelly prosp.											✓		✓
23	S		✓ Pelly River - Howie camp.											✓		✓
Sunday 24	S		✓ Ketza Rg, TINT, etc											✓		✓
25			✓ Travel RR → Whse → Vanc											✓		✓
26		½	½ Tintina Review. Travel to Boise										✓			✓
27		✓	North Pole mine exam.										✓			✓
28		✓	NP Data review. Travel to Vanc										✓			✓
29		½	½ Plot maps. Data compil.									✓			✓	
30	S	—														
			6 days = 1556.63													
TOTAL		13	2	6	1	11										

NAME: JOHN S. BROCK | PREPARED BY:

MONTH: APRIL, 88 | APPROVED BY:

DATE	WLN OEX	WLN H/O ADMIN	ETP TILL	ETP H/O	TINTINA GENERAL					OFF	LOCATION BC	LOCATION NWT	LOCATION YUKON	OFFICE	FIELD
					7 days - 2913.77										
F 1					GOOD FRIDAY					1					
S 2										1					
S 3										1					
M 4					EASTER MONDAY					1					
T 5	1														
W 6		1													
Th 7			1												
F 8				1											
S 9										1					
S 10										1					
M 11			1												
T 12					1										
W 13					1										
Th 14		1		(ARCTIC RED)											
F 15		1		(ARCTIC RED)											
S 16										1					
S 17		1													
M 18		1		(ARCTIC RED)											
T 19		1		(ARCTIC RED)											
W 20		1													
Th 21					1								✓		✓
F 22					1								✓		✓
S 23					1								✓		✓
S 24					1								✓		✓
M 25					1								✓		✓
T 26				1							✓				
W 27			1								✓				✓
Th 28			1								✓				✓
F 29			1								✓				✓
S 30			1								✓				✓
31															
TOTAL	1	7	6	2	7	23				7					9

MAY, 1988

TIN (TINTINA

REGIONAL [McCLINTOCK]

0·00*

#750	MIN-EN	436·14+
#657	"	414·00+
#628	A. SCHMIDT	236·85+
#682	WELCOME INN	121·00+
#685	TOWN + MTN.	1,126·75+
J/E	McCLINTOCK/HARDY	448·59+
"	"	553·27
#635	SPILBURY	125·00+
#645	DEMAND DISP.	4·00+
#678	NORTHWESTEL	300·00+
#703	B.C. TEL	225·98+
#734	"	19·93+
#733	DEMAND DISP.	7·00+
#632	BURNABY BAG	178·08+
#653	WESTERN REPA	137·88+
J/E	McCLINTOCK/HAR	707·44
#750	MIN-EN	392·00
J/E	McCLINTOCK/H.	2,736·44
J/E	"	650·00
"	McCLINTOCK	4,200·00
	"	11,217·50
"	WLN-PAYROLL	984·97+
"	McCLINTOCK	17,710·00
#684	MOTORWAYS	62·15+
#735	TRANS NORTH AIR	26,424·00+
#638	C.I.B.C.-VISA.	25·30+
	McCLINTOCK/H.	522·00
	"	4,371·20+
	"	3,400·00
		77,737·47*

MIN
• EN
LABORATORIES LTD.

SPECIALISTS IN MINERAL ENVIRONMENTS
CHEMISTS • ASSAYERS • ANALYSTS • GEOCHEMISTS

VANCOUVER OFFICE:
705 WEST 15TH STREET
NORTH VANCOUVER, B.C. CANADA V7M 1T2
TELEPHONE (604) 980-5814 OR (604) 988-4524
TELEX: VIA U.S.A. 7601067 • FAX (604) 980-9621

TIMMINS OFFICE:
33 EAST IROQUOIS ROAD
P.O. BOX 867
TIMMINS, ONTARIO CANADA P4N 7G7
TELEPHONE: (705) 264-9996

INVOICE

TO : WELCOME NORTH MINES
15-675 W. HASTINGS ST.,
VANCOUVER, B.C.
V6B 1N2

INVOICE No 8615C
PAGE : 1 OF 1
DATE :Apr 28/88

ACCOUNT:10297

ATTENTION: GEORGE NICHOLSON FILE No:
PROJECT: TINTINA

QTY	DESCRIPTION	UNIT PRICE	AMOUNT
1000	PLASTIC BAGS 12X18	0.23	230.00
	1000 UNPRINTED SOIL SAMPLE BAGS	164.00	164.00
1000	TWIST TIES	0.02	20.00
	SHIPMENT NOTICES, SHIPPING LABELS	0.00	0.00
	PICKED UP APRIL 29/88	0.00	0.00
		* TOTAL *	414.00

THESE ARE PROFESSIONAL SERVICES AND ARE PAYABLE WHEN RENDERED.
OUTSTANDING BALANCES OVER 30 DAYS WILL BE CHARGED 2% INTEREST/MONTH.

MIN-EN LABORATORIES LTD.

SPECIALISTS IN MINERAL ENVIRONMENTS
CHEMISTS • ASSAYERS • ANALYSTS • GEOCHEMISTS

VANCOUVER OFFICE:
705 WEST 15TH STREET
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TELEPHONE (604) 980-5814 OR (604) 988-4524
TELEX: VIA U.S.A. 7601067 • FAX (604) 980-9621

TIMMINS OFFICE:
33 EAST IROQUOIS ROAD
P.O. BOX 867
TIMMINS, ONTARIO CANADA P4N 7G7
TELEPHONE: (705) 264-9996

INVOICE

TO : WELCOME NORTH MINES

15-675 W. HASTINGS ST.,
VANCOUVER, B.C.
V6B 1N2

INVOICE No 8893C
PAGE : 1 OF 1
DATE :May 30/88

ACCOUNT:10297

ATTENTION: JOHN BROCK
PROJECT: TINTINA Regional

FILE No: 8-564

QTY	DESCRIPTION	UNIT PRICE	AMOUNT
35	SILT GEOCHEM - 6 ELEMENT TRACE ICP	5.00	175.00
35	SILT GEOCHEM - AU WET	4.75	166.25
35	SILT SAMPLE PREP	1.00	35.00
		SUBTOTAL	376.25
	WAYBILL 751-12465364	58.39	58.39
3	PAGES FAXED (8-579, 8-564)	0.50	1.50
		* TOTAL *	436.14

THESE ARE PROFESSIONAL SERVICES AND ARE PAYABLE WHEN RENDERED.
OUTSTANDING BALANCES OVER 30 DAYS WILL BE CHARGED 2% INTEREST/MONTH.

1.2470

EXPENSES CLAIM FORM

INSTRUCTIONS - RECORD EXPENSES AS PAID

- Identify Expenses Fully and Record On Date Incurred:
  - Name and Location - Supplier, Motel, Restaurant
  - Type of Expense - Such as breakfast, lunch, gas, maps, etc. (Items over $10 not identified on receipt should be identified.)
  - Project/Claim - Allocate expenditure to specific project/claim, ie., Tillicum, Basin, Valentine, etc.
  - Restaurant, Hotel Rooms, Transportation - Record each expenditure involving other persons, including the amount applying to yourself. Identify the other person on your expense receipt. If other than Company employee, identify their titles and company affiliations.

EMPLOYEE'S NAME: A. J. Schmidt

PERIOD: Apr. 21 - Apr. 29/88 SUBMITTED ON: Apr. 29/88

REMARKS: WLN - TINTINA & OEX-USA

APPROVED BY

DATE 1988	NAME OF SUPPLIER	LOCATION	TYPE OF EXPENSE	PROJECT/ CLAIM	AMOUN
Apr. 22	Westmark Hotel	Whitehorse	Room, Meals	TINTINA	67.35
Apr. 24	Welcome Inn Hotel	Ross River	Refreshments	✓	22.8
Apr. 25	✓ ✓	✓	Room, Meals	✓	145.2
Apr. 26	Yellow Cab	Vancouver	Taxi	WLN-OEX-USA	17.
✓	Airport Restaurant	Seattle	Supper	✓ US.	11.0
Apr. 27	Sandpiper Rest.	Boise	✓	✓	15.5
Apr. 28	✓	✓	Lunch	✓	7.40
✓	Owyhee Plaza	✓	Room, Meals	✓	130.3
✓	Airport	Vancouver	Parking	✓	1.50
				Total $C	253.8
				Total $US	164.4
			Convert	US @ 1.2470 =	205.0
				TOTAL $C	458.8

PAID
Chk # 628
Date May 2/88
Code
Journal

10826 [illegible] 4 [illegible] 88

DATE: 04/22/88
TIME: 10:30 PM
AMOUNT: $1.50

VANCOUVER INT'L
AIRPORT
DEPT OF TRANSPORT

** THANK YOU **

Apr. 24/88
Paid cash
Thanks Patricia Taubo
Red & white wine

WESTMARK WHITEHORSE
SECOND & WOOD BOX 4[illegible] WHITEHORSE, Y.T. Y1A 3T3
(403) 668-4700 TELEX [illegible]312 FAX (403) 668-2789

FOLIO NUMBER
002119

FROM FOLIO NO.
TO FOLIO NO.
CLERK

Westmark
WHITEHORSE

LINE NO.	EXPLANATION
1	201-M SCHMITT A DEPART 04/00 59.00
2	OCC 1 ARRV 04/21
3	18:22 CLERK B C LMTNO LMT
4	
5	
6	B3898 SCHMITT A 201-M .00
7	04/21/88 ROOMS 201-M 59.00 59.00
8	A4057 SCHMITT A 201-M 59.00
9	DATE 04/22 CHECK 501 CASHR 2
10	04/22/88 C/SHOP 201-M 8.35 67.35
11	A4066 SCHMITT A 201-M 67.35
12	04/22/88 VISA 201-M 67.35- .00
13	
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34	
35	
36	

Westmark
HOTELS
ALASKA/YUKON

MADE IN

4503 320 566 0[illegible]

02/90 CV

ANDREW J SCHMIDT

AUTHORIZATION NO. / NO D'AUTORISATION
BILL NO. DE NOTE
DATE 4 25 88
CLERK-COMMIS

EXPIRY DATE CHECKED
DATE D'EXPIRATION VERIFIEE

WELCOME INN
MOSS RIVER YT
1075242

5 952

CHARGEX SALES DRAFT FACTURE

145.20	AMOUNT MONTANT
	TAX TAXE
	TIPS POURBOIRE
145.20	$ CDN CAN

CUSTOMER COPY
COPIE DU CLIENT

CARDHOLDER'S SIGNATURE
SIGNATURE DU TITULAIRE X

PLEASE RETAIN THIS COPY AS A RECORD OF YOUR TRANSACTION

VISA

CONSERVEZ CETTE COPIE COMME PREUVE DE VOTRE TRANSACTION

CARDHOLDER WILL PAY TO THE ISSUER OF THE CHARGE CARD PRESENTED HEREWITH THE AMOUNT STATED HEREON IN ACCORDANCE WITH THE ISSUER'S AGREEMENT WITH THE CARDHOLDER.

LE DÉTENTEUR DE LA CARTE CI-HAUT MENTIONNÉ PAIERA À L'ÉMETTEUR DE LA CARTE LE MONTANT CI-INDIQUÉ CONFORMÉMENT AUX CONDITIONS DE LA CONVENTION ENTRE L'ÉMETTEUR ET LE DÉTENTEUR DE LA CARTE

GUEST REGISTRATION

THE WELCOME INN

(a division of Pelly River Investments Ltd.)

TEL. (403) 969-2218 ROSS RIVER, YUKON TERRITORY

NAME John McClintock / G. Nicholson

ADDRESS 15th Floor 675 W. Hastings St.

CITY Vancouver PROV./ STATE B.C. CODE

FIRM REPRESENTING Welcome North Mines Ltd.

MAKE OF CAR	LICENCE NUMBER	PROV. OR STATE

NOTICE TO GUESTS: THIS PROPERTY IS PRIVATELY OWNED AND MANAGEMENT RESERVES THE RIGHT TO REFUSE SERVICE TO ANYONE AND WILL NOT BE RESPONSIBLE FOR ACCIDENTS OR INJURY TO GUESTS OR FOR LOSS OF MONEY, JEWELLRY OR VALUABLES OF ANY KIND. GUESTS STAYING OVER PLEASE NOTIFY THE OFFICE. MANAGEMENT RESERVES THE RIGHT TO ASSIGN AND REASSIGN THE GUEST TO SUCH ACCOMODDATIONS AS THE MANAGEMENT SEES FIT.

SIGNATURE John McClintock

METHOD OF PAYMENT

- ☑ CASH Chq
- ☐ TRAVELLER'S CHEQUE
- ☐ CREDIT CARD

NO. IN PARTY	ROOM NO.	RATE	DATE IN	DATE OUT	PAYMENT REC'D BY
2	137	65.00	May 10	May 11	

MOORE SPEEDIPLY - 3 - MOORE CLEANPRINT PATENTED 1963-1968

FORM # 575 HOTEL SYSTEMS & SUPPLY LTD.

INVOICE THIS IS THE ONLY ITEMIZED ACCOUNT RENDERED.

SUNDAY		
MONDAY		
TUESDAY	65	00
WEDNESDAY		
THURSDAY		
FRIDAY		
SATURDAY		
ROOM TOTAL	65	00
ROOM TAX		
MISC. CHGS.		
TOTAL	65	00
RECEIVED ON ACCOUNT		
BALANCE PAYABLE	65	00

THANK YOU! PLEASE REMEMBER CHECK OUT TIME.

E. & E.O.

GUEST REGISTRATION

THE WELCOME INN

(a division of Pelly River Investments Ltd.)

TEL. (403) 969-2218 ROSS RIVER, YUKON TERRITORY

NAME WELCOME NORTH

ADDRESS MINES

CITY PROV./ STATE CODE

FIRM REPRESENTING

MAKE OF CAR	LICENCE NUMBER	PROV. OR STATE

NOTICE TO GUESTS: THIS PROPERTY IS PRIVATELY OWNED AND MANAGEMENT RESERVES THE RIGHT TO REFUSE SERVICE TO ANYONE AND WILL NOT BE RESPONSIBLE FOR ACCIDENTS OR INJURY TO GUESTS OR FOR LOSS OF MONEY, JEWELLRY OR VALUABLES OF ANY KIND. GUESTS STAYING OVER PLEASE NOTIFY THE OFFICE. MANAGEMENT RESERVES THE RIGHT TO ASSIGN AND REASSIGN THE GUEST TO SUCH ACCOMODDATIONS AS THE MANAGEMENT SEES FIT.

SIGNATURE

METHOD OF PAYMENT

- ☑ CASH Chq
- ☐ TRAVELLER'S CHEQUE
- ☐ CREDIT CARD

NO. IN PARTY	ROOM NO.	RATE	DATE IN	DATE OUT	PAYMENT REC'D BY
1	139	56.00	May 10	May 11	

MOORE SPEEDIPLY - 3 - MOORE CLEANPRINT PATENTED 1963-1968

FORM # 575 HOTEL SYSTEMS & SUPPLY LTD.

INVOICE THIS IS THE ONLY ITEMIZED ACCOUNT RENDERED.

SUNDAY		
MONDAY		
TUESDAY	56	00
WEDNESDAY		
THURSDAY		
FRIDAY		
SATURDAY		
ROOM TOTAL	56	00
ROOM TAX		
MISC. CHGS.		
TOTAL	56	00
RECEIVED ON ACCOUNT		
BALANCE PAYABLE	56	00

THANK YOU! PLEASE REMEMBER CHECK OUT TIME.

E. & E.O.

STATEMENT

TOWN AND MOUNTAIN HOTEL
401 Main Street
Whitehorse, Yukon Y1A 2B6

MAY 13 1988

DATE May 11 19 88

Welcome North Mines

15th floor, 675 West Hastings Street

Vancouver, B.C. V6B 1N2

DATE	DETAILS	DEBIT	CREDIT	BALANCE
May 4-10	RE: G. Nicolson			
	Room charges	300 00		
	Food charges	66 00		
	Phone charges	91 30		
May 6-10	RE: J. MCCAFFERY			
	Room charges	200 00		
	Food charges	50 70		
May 6-11	RE: M. Renning			
	Room charges	245 00		
	Food charges	169 80		
	Phone charges	3 95		
				1126 75

PAID
Chk. # 685
Date may 24/88
Code
Journal

REDIFORM® BM101

McCLINTOCK/HARDY
3 - 837 W. HASTINGS
VANCOUVER, B.C. V6C 1B6
BUS: 681-5188

OUR NUMBER 49690
DATE June 1, 1988
CUSTOMER'S ORDER
SALESMAN
TERMS
F. O. B -01-

SOLD TO Welcome North Mines Ltd.
15th Floor 675 W Hastings St.
SHIPPED TO Vancouver BC
ADDRESS _____ VIA _____

INVOICE

Tinting Project				
1. Truck Rental 2 x $700		3400 —		980
2. Equipment Rental May 15-31 x 5 x $10/day		850 —		934
3. Expense Reports				
J. McCaffrey	88-01	92.37		
J. McClintock	88-01	368.83		
	88-02	160.53		
	88-03	670.90	?	
G. Nicholson	88-01	970.47		
D Howe	88-01	466.13		
M Penning: short-term truck rental		145.75		
Fee on disbursements at 15%	?	431.25		No Invoice
	Total			7556.23

D032

Batch # 26 - 5/88

TIN	934	2736.44
	906	448.59
	980	4371.20
		7556.23

McCLINTOCK/HARDY
[illegible] W. HASTINGS
VANCOUVER, B.C. V6C 1B6
BUS: 681-6188

OUR NUMBER	49689
DATE	June 1/88
CUSTOMER'S ORDER	
SALESMAN	
TERMS	
F. O. B.	

SOLD TO Welcome North Mines
15th Floor 675 W. Hastings St
SHIPPED TO Vancouver, BC
ADDRESS _____ VIA _____

INVOICE

	Tintina Project — 01				
	Expense Accts				
	J. McCaffrey 88.03	details	70.	44	
	88.02	attached	543.	50	
	M. Renning 88.01		250.	07	
	J. Hardy 88.02		71	—	
	Consumables as attached		615.	17	
	Fee on disbursements @ 15%		232.	53	no Invoice
	Total				$1782. 71

[paid by chq #008]

032

Batch #26

TIN #906	553.27
980	522.00
934	707.44
	1,782.71

McCLI[illegible]OCK/HARDY
418 - [illegible] W. HASTINGS
VANCOUVER, B.C. V6C 1B6
BUS: 681-5188

[illegible]R NUMBER	49684
DATE	May 4/88
CUSTOMER'S ORDER	
SALESMAN	
TERMS	
F. O. B.	

SOLD TO Welcome North Mines Ltd.
15th Floor 675 W. Hastings St. Vancouver

SHIPPED TO "TINTINA REGIONAL"

ADDRESS _____ VIA _____

INVOICE

	Professional Services: J. McClintock				
	April 18, 20-22 incl., April 25-29 incl.				
	9 days @ $300	$2700.00			
	Jenna Hardy April 19 1 day @ $300	$300.00			
	April 22 (½ day) April 25 (½ day) 9 day @ $300	$300.00			
	April 21 (1 hr) April 23 (2 hrs) April 26 (2 hrs) April 27 (1 hr)				
	April 29 (1 hr) 7 hr @ $50/hr	$350.00			
	D. Howe 2 days @ $275/day	$550.00			
	Advance truck rental				
	2 trucks x $1700/Mo	$3400			
	Amount due			7600	00

Batch #22

J.E. 5/24/88

032 This sum to be deducted from advance.

$3400
4200
7600

McCLINTOCK/HARDY
418 - 837 W. HASTINGS
VANCOUVER, B.C. V6C 1B6
BUS: 681-5188

NUMBER	49686
DATE	May 17, 1988
CUSTOMER'S ORDER	
SALESMAN	
TERMS	
F.O.B.	

SOLD TO Welcome North Mines Ltd.
15th floor 675 W. Hastings St.
SHIPPED TO Vancouver
ADDRESS _____ VIA _____

INVOICE

	Tintina Project				
1. PROFESSIONAL SERVICES					
	J. McClintock: May 2-4 (incl) @ $300 —	900	—		
	May 7-14 (incl) @ $350 —	2800	—		
	D. Howe: May 2, 3, 4, 5 (1/2), 6 @ $275 —	1237.	50	Batch # 22	
	G. Nicholson: May 2-14 (incl) @ $200 —	2600	—		
	J. McCaffrey: May 2-14 (incl.) @ $165 —	2145	—		
	M. Renning: May 6-14 (inc) @ $165 —	1485	—		
	J. Hardy: May 2 — 1 hour @ $50 —	50	—		
2. EQUIPMENT RENTAL					
	May 2-14 (incl) x 5 men x $10/day	650	—		
	(13 days) TOTAL			$11,867.	50

D32

11217.50
650.00
$11867.50

INVOICE

Welcome North Mines
15th Floor, 675 W Hastings
Vancouver, BC

SOLD TO

SHIPPED TO

ADDRESS VIA

OUR NUMBER	49688
DATE	June 1/88
CUSTOMER'S ORDER	
SALESMAN	
TERMS	
F. O. B.	

1.	Tintina Project May 15-31 -01-				
	J. McClintock may 15-31 @$350 x17	5950	—		
	J. McCaffrey may 15-31 @$165 x17	2805	—		
	M Rennie may 15-31 @$165 x17	2805	—		
	M. VanWarmskirken may 19-31 @$200x13	2600	—		
	J. Nicholson may 15-31 @$200 x17	3400	—		
	J. Hardy 3 hours @$50 → $150	$150	—		
2.	Old Gold -05-				
	D. Howe may 19-½, 24, 25, 26-½, 27-½ 3.5 @$275	962.50			

D32

Total $18,672.50

Batch # 26

TIN # 946 17710.00
OLD # 946 962.50

18,672.50

0000635

May 4/88

**125.00

Spilsbury Communications Ltd.

⑈0000635⑈ ⑆00010⑈010⑆ 95⑈09917⑈

0000635

05/04/88 Re: Repair to mobile radios(Invoice to follow). $125.00

TIN 918

Demand Dispatch

COURIERS AND MESSENGERS
DIV. OF DEMAND DISPATCH SERVICES LTD.

863483 1796
CONTROL

DISPATCH
VANCOUVER 688-1494
VICTORIA 383-2333

ACCOUNT NO

SHIPPER

COMPANY: WELCOME NORTH MINES LTD. — PREPAID X
ADDRESS: 1500 - 675 W. Hastings St.
CITY: Vancouver, B.C. P.C. V6B 1N2
FILE NUMBER: WLN Tintina — DRIVER: 46
SHIPPER (PLEASE PRINT):
SIGNATURE: — DATE D/M/Y: 14/4/88 — TIME: 1257

RECEIVER

COMPANY: G.S.C. — COLLECT
ADDRESS: 6th Fl., 100 W. Pender St.
CITY: Vancouver, B.C. P.C.
ATTENTION: — DRIVER: 46
RECEIVER (PLEASE PRINT):
SIGNATURE: — DATE D/M/Y: 14/4/88 — TIME: 105

SPECIAL INSTRUCTIONS

Return to Welcome North
- TOPO MAPS 1:50,000
for NTS: 105G13, 105f/9
and 105F/16. Cost: $12.72

NO. OF PCS.	WEIGHT	DESCRIPTION
6		Maps
14/4/88	113	

SERVICE — PLEASE SPECIFY

GREATER VICTORIA
MESSENGER SERVICE ONLY
☐ RUSH ☐ HOT

VANCOUVER & LOWER MAINLAND
MESSENGER SERVICE ONLY
REGULAR: ☐ SAME DAY ☐ OVERNIGHT — RUSH: ☒ — HOT: ☐

AIR COURIER - B.C. POINTS ONLY
COURIER SERVICE
☐ OVER NIGHT ☐ SAME DAY ☐ NEXT FLIGHT ☐ SPEC. AM

Rules and Conditions on Back

CLIENT APPROVAL

To leave goods without signature
☐ YES _____
(If left unmarked, we assume signature is required)

DELIVERY		
TIME _____ HOURS		
ADVANCES / C.O.D.		
ADVANCE CHGS. / C.O.D. FEE		
INSURED VALUE _____		
OVERWEIGHT CHGS		
TOTAL CHARGES ▶		$ 4.00

APPLICATION FOR BUSINESS TELEPHONE SERVICE

NW 491
85 12 01

NorthwesTel

DATE: _____ WORK ORDER #: _____

[*Please Print in Ink*]

NAME OF BUSINESS: WELLCOX NORTH MINES LTD.

ADDRESS: 1500 - 675 W. HASTINGS ST.

LOCATION: VANCOUVER Postal Code: B.C.

MAILING ADDRESS: SAME AS ABOVE ☑

OR _____ Postal Code: _____

DIRECTORY LISTING: SAME AS ABOVE ☐ OR: _____

☐ NON-PUBLISHED: _____

EXTRA LISTING/S: _____

SERVICE REQUEST:
Telephone accepted as is where is Yes ☐ No ☐

FOR OFFICE USE ONLY

TELEPHONE NO: _____
EXCHANGE LOCATION: _____
TRANSMIT NO: _____ DATE: _____
WORK ORDER NO: _____
LEN: _____
CA: _____
CCI: _____ RE _____
CA DIST: _____
TERM CT: _____
PTY CA: _____
PTY NO: _____
CLASS OF SVC: _____
COMP. DATE: _____

Equipment Description: _____
(please indicate quantity, colour and type eg. Contempra, Touchtone etc.)

▶ AND / OR ◀

INSTALL:
(please indicate quantity, colour, and type eg. Contempra, touchtone etc.)

MAIN SET: WALL _____ DESK: _____ EXTN/S: _____

~~Long Distance~~ Calling Card ☐Yes ☐No Quantity _____

MISCELLANEOUS EQUIPMENT _____
(Long Cord/s / Jacks etc.)

Pabx/key systems* _____

DATE SERVICE REQUESTED: _____ CONTACT: _____ TEL. NO. _____

ESTIMATED MONTHLY TOLLS: _____

REMARKS: _____

CREDIT REFERENCE

1. NAMES OF OWNER(s)/PARTNERS:

(A) JOHN S. BROCK Home Telephone NBR: _____

ADDRESS: _____ Postal Code: _____

(B) MRS IRENE WILSON Home Telephone NBR: _____

ADDRESS: ~~MRS. IRENE WILSON~~ Postal Code: _____

(C) _____ Home Telephone NBR: _____

ADDRESS: _____ Postal Code: _____

2. NAME OF BANK, TRUST CO., CREDIT UNION: C.I.B.C. MANAGER. MR. STEVE LANG.

LOCATION: 400 BURRARD ST. VANCOUVER.

CREDIT ESTABLISHED (OTHER TELEPHONE COMPANY/S) B.C. TELEPHONE

_____

THE UNDERSIGNED REQUESTS NORTHWESTEL INC. TO FURNISH, SUBJECT TO THE RATES AND REGULATIONS CONTAINED IN ALL APPLICABLE TARIFFS AS APPROVED BY THE CANADIAN RADIO - TELEVISION AND TELECOMMUNICATIONS COMMISSION SERVICE AND EQUIPMENT AS DETAILED HEREIN AND AS MAY BE ORDERED FROM TIME TO TIME AND AGREES TO PAY ACCOUNTS AS RENDERED IN ACCORDANCE WITH SAID TARIFFS.

CUSTOMER'S SIGNATURE: S.N HUSSEIN DATE: MAY 16/88

FOR OFFICE USE ONLY:
MONTHLY RENTAL: _____ INSTALLATION CHARGE: _____
SECURITY DEPOSIT: 300.00 CREDIT REFERENCE CHECK: _____
EXCHANGE LOCATION: _____ NEW TELEPHONE NUMBER: _____

* IF PABX, KEY SYSTEM ETC. FORWARD FORM NW406 TO THE APPROPRIATE DEPARTMENT _____

B.C.Tel

BRITISH COLUMBIA TELEPHONE COMPANY

Nationwide Communications through Telecom Canada

Telephone Number 921 9710 2

Bill Date Apr 27, 1988 Page 2

Long distance continued

Date	Place and number called			Type	Time	Min	Savings	
Apr 7	FULFD H	BC	653-4239	0S	2102	1	0.12	0.41
Apr17	LASVEGAS	NV	702 739-0137	0S	0851	3	0.77	1.44
Apr17	LASVEGAS	NV	702 739-4111	0S	0855	2	0.54	0.99
Apr17	LASVEGAS	NV	702 739-4111	0S	1341	1	0.30	0.55
Total long distance								29.10

TINTINA TINT WIN H/O

Taxes

Federal tax at 10.0% on 29.10	2.91
Provincial tax at 6.0% on 29.10	1.75
Subtotal	4.66
Total new charges	**52.44**
OVERDUE IS PAYABLE NOW	158.08
NEW CHARGES ARE DUE BY MAY 22, 1988	52.44
AMOUNT OWING	$210.52

TINTINA #225.98

Pay 33.76

Jan. 18.68

52.44

PAID
Chk. # 703
Date May 24/88
Code
Journal

WLN/Tint ✓	WLN/Castro ✓	EEP H/O ✓	WLN Battle mt. ✓	WLN H/O ✓	WLN ✓ Taylor Win.
1.24	1.14	.54	2.81	4.36	.60
1.88	4.70	.05 10%	4.25	1.24	.061C
1.24	2.45	.03 6%	1.49	1.30	.046
2.28	8.29	.62	8.55	1.30	.70
1.24	.83 10%	157.07	.86 10%	7.90	
5.40	.50 6%	157.69	.51 6%	16.10	
3.76	962		9.92	1.61 10%	
4.36				.97 6%	
7.48				18.68	
1.24				157.07	
3.76				175.75	
5.64					
.94					
.94					
5.40					
.94					
.86					
1.30					
39.68					
9.52					
3.28					
2.24					
2.24					
14.40					
3.13					
9.78					
1.04					
9.52					
4.27					
2.64					
2.28					
3.32					
4.60					
1.92					
2.28					
1.24					
1.30					
1.30					
1.35					
1.35					
2.16					
3.14					
3.14					
1.30					
5.70					
1.30					
2.28					
~~3.14~~					
~~.95~~					
1.30					
1.30					
194.40					
19.44 6%					
11.66 6%					
225.50					

PREVIOUS CHARGES AND CREDITS

Amount of last bill	$1436.17
Payment applied Apr 28 - thank you	1436.17cr
Balance forward	0.00

NEW CHARGES

Directory advertising

Vancouver directory	7.40
Subtotal	7.40

Rental of equipment and services from May 4 to Jun 3

1	Interconnect EKT system count	0.00
4	Business overlined access line	240.80
4	Touch calling line charge	10.20
1	Additional directory listings, business	2.25
Subtotal		253.25

Additional charges and credits

Apr 5 Directory purchase	14.90
Subtotal	14.90

Long distance

Date	Place and number called			Type	Time	Min	Savings	
Mar30	VANCVER	BC	687-1658	3K	0910	7		5.19
	from PENTICT	BC					EEP/Gold	
Mar30	fr NAKUSP	BC	265-3149	4L	1114	2	EEP/Gold	4.39
Mar30	VICTORI	BC	386-8721	0K	1540	2	WLN/OEX	1.16
Mar30	VICTORI	BC	386-8721	0K	1541	1	WLN/OEX	0.68
Mar30	TROY	MT 406	295-4021	0K	1555	4	WLN/OEX	2.41
Mar30	GARDENGRV	CA 714	750-4321	0K	1655	22	ARone RED	15.13
Mar30	fr HNTNGTN	OR 503	869-9495	4K	1703	4	WLN/OEX/US	4.09
Mar30	WHITEHORSE	YT 403	633-2974	0K	1717	1	WLN/Tint	1.24
Mar30	fr HNTNGTN	OR 503	869-9487	4K	1729	11	WLN/OEX/US	8.50
Mar30	VICTORI	BC	386-8721	0S	1740	3	0.50 WLN Centro	1.14
Mar30	NDENVR	BC	358-7794	3S	2000	1	EEP/Gold	1.45
	from NELSON	BC						
Mar30	WSTVAN	BC	921-9153	3S	2028	7	EEP-Gold	4.02
	from NELSON	BC						
Mar31	SANANTONIO	TX 512	821-6194	0K	1008	1	ARP	0.88
Mar31	SANANTONIO	TX 512	821-6194	0K	1203	1	ARP	0.88
Mar31	WALNUTCRK	CA 415	933-5464	0K	1204	4	ARP	2.81
Mar31	fr NAKUSP	BC	265-3149	4L	1310	2	EEP/Gold	4.39
Mar31	VANCVER	BC	736-5740	3S	1833	2	EEP/Gold	2.01
	from NELSON	BC						
Apr 4	VANCVER	BC	294-4748	2K	1344	3	EEP-Gold	2.90
	from VERNON	BC					EEP/Gold	
Apr 5	VICTORI	BC	356-2818	0K	0953	1	EEP/HO	0.54
Apr 5	NAKUSP	BC	265-4642	0K	1026	1	EEP/Gold	0.62
Apr 5	VANCVER	BC	687-1658	3K	1027	11	EEP/Gold	4.94
	from HOPE	BC						
Apr 5	NELSON	BC	352-3552	0K	1350	1	EEP/Gold	0.62
Apr 5	BAKER	OR 503	523-3133	0K	1350	23	WLN-OEX-US	13.97
Apr 5	NELSON	BC	352-3556	0K	1351	2	EEP/Gold	1.04

Long distance continued

Date	Place and number called			Type	Time	Min	Savings	
Apr 5	FERNIE	BC	423-6884	OK	1405	3	EEP/Gold	1.49
Apr 5	RENO	NV 702	786-5011	OK	1435	11	WLN-OEX-US	7.43
Apr 5	VANCOUVER	WA 206	253-3222	OK	1511	2	WLN-OEX-US	1.20
Apr 5	BOISE	ID 208	384-7149	OK	1514	2	WLN-OEX-US	1.43
Apr 5	WALNUTCRK	CA 415	933-5464	OK	1548	5	ARP	3.47
Apr 5	SANANTONIO	TX 512	826-6661	OK	1554	1	ARP	0.88
Apr 5	SANANTONIO	TX 512	821-6194	OK	1557	1	ARP	0.88
Apr 5	WALNUTCRK	CA 415	933-5464	OK	1610	3	ARP	2.15
Apr 5	SOWHIDBEY	WA 206	321-4365	OK	1640	7	WLN/OEX/US	2.76
Apr 6	MALTON	ON 416	671-2446	OK	0919	2	WLN/Tintina	1.88
Apr 6	BOISE	ID 208	384-6195	OK	0940	17	WLN/OEX/US	10.88
Apr 6	HOPE	BC	869-5940	OK	1138	2	EEP/Gold	0.88
Apr 6	SANDSPT	BC	637-5423	OK	1225	1	EEP/Gold	0.63
Apr 6	PORTLAND	OR 503	231-6281	OK	1338	5	WLN/OEX/US	2.76
Apr 6	ELKO	NV 702	738-7103	OK	1422	4	WLN- BATTLE MTN	2.81
Apr 6	WHITEHORSE	YT 403	668-7644	OK	1446	4	WLN/HO	4.36
Apr 6	WHITEHORSE	YT 403	668-7644	OK	1527	1	WLN/HO	1.24
Apr 6	ROSSRIVER	YT 403	969-2218	OK	1533	1	WLN/HO	1.30
Apr 6	ROSSRIVER	YT 403	969-2280	OK	1534	1	WLN/HO	1.30
Apr 6	WHITEHORSE	YT 403	668-2467	OK	1639	1	WLN/Tintina	1.24
Apr 6	WHITEHORSE	YT 403	633-2974	OK	1641	2	WLN/Tintina	2.28
Apr 6	ROSSRIVER	YT 403	969-2333	OK	1739	7	WLN/HO	7.90
Apr 7	KAML S	BC	828-4566	OK	0924	1	WLN-Taylor wind	0.60
Apr 7	NAKUSP	BC	265-3685	OK	0927	1	EEP/Gold	0.62
Apr 7	NAKUSP	BC	265-3685	OK	0935	2	EEP/Gold	1.04
Apr 7	KAML S	BC	828-4566	OK	1005	1	EEP/Gold	0.60
Apr 7	VANCVER	BC	687-1658	3K	1005	4	EEP/Gold	2.31
	from HOPE	BC						
Apr 7	NAKUSP	BC	265-4642	OK	1325	4	EEP/Gold	1.88
Apr 8	BOISE	ID 208	384-6195	OK	0845	4	WLN/OEX/US	2.69
Apr 8	NAKUSP	BC	265-3685	OK	0947	1	EEP/Gold	0.62
Apr 8	NAKUSP	BC	265-3185	OK	0947	5	EEP/Gold	2.30
Apr 8	NAKUSP	BC	265-4646	OK	0957	1	EEP/Gold	0.62
Apr 8	WHITEHORSE	YT 403	667-6205	OK	1045	1	WLN/Tint	1.24
Apr 8	WHITEHORSE	YT 403	667-5378	OK	1046	5	WLN/TinT	5.40
Apr 8	PORTLAND	OR 503	231-6281	OK	1424	4	WLN-OEX-US	2.24
Apr 8	MALTON	ON 416	671-2446	OK	1432	4	WLN-Tintina	3.76
Apr11	TIMMINS	ON 705	264-7936	OK	1219	3	WLN-OEX	2.82
Apr11	VANCOUVER	WA 206	253-3222	OK	1449	2	WLN/OEX/US	1.20
Apr11	VANCOUVER	WA 206	253-3222	OK	1643	2	WLN/OEX/US	1.20
Apr11	SOWHIDBEY	WA 206	321-4365	2K	1748	1	WLN/OEX/US	1.94
	from VANCVER	BC						
Apr12	FERNIE	BC	423-6884	OK	0913	1	EEP/Gold	0.63
Apr12	WHITEHORSE	YT 403	667-3100	OK	1044	4	WLN-Tintina	4.36
Apr12	WHITEHORSE	YT 403	667-5384	OK	1052	7	WLN-Tintina	7.48
Apr12	WHITEHORSE	YT 403	667-5384	OK	1104	1	WLN-Tintina	1.24
Apr12	EDMONTON	AB 403	435-5266	OK	1303	2	EEP/Gold	1.70
Apr12	NAKUSP	BC	265-4646	OK	1354	4	EEP/Gold	1.88
Apr12	NAKUSP	BC	265-3626	OK	1427	3	EEP/Gold	1.46
Apr12	NELSON	BC	352-6031	OK	1621	1	EEP/Gold	0.62
Apr12	NAKUSP	BC	265-3618	OK	1626	1	EEP/Gold	0.62

Long distance continued

Date	Place and number called			Type	Time	Min	Savings	
Apr12	NAKUSP	BC	265-4101	OS	1727	3	0.44 EEP/Gold	1.02
Apr13	MALTON	ON 416	671-2446	OK	1047	4	WLN - Tintwa	3.76
Apr13	EDMONTON	AB 403	435-5266	OK	1331	1	EEP/Gold	0.95
Apr13	CHILLIW	BC	792-1361	OK	1350	8	EEP/Gold	2.92
Apr13	VERNON	BC	545-0611	OK	1432	3	EEP/Gold	1.40
Apr13	ALHAMBRA	CA 818	287-2232	OK	1709	6	WLN/Battle mt.	4.25
Apr14	CHILLIW	BC	792-1361	OK	0941	3	EEP/Gold	1.22
Apr14	CHILLIW	BC	792-1361	OK	0951	2	EEP/Gold	0.88
Apr14	MCDAME	BC	233-3113	OK	0955	3	EEP/Gold	3.14
Apr14	RUTLAND	BC	765-5742	OK	1005	3	EEP/Gold	1.40
Apr14	N DENVR	BC	358-7720	OK	1058	2	EEP/Gold	1.04
Apr14	RENO	NV 702	825-0719	OK	1123	9	PML	6.11
Apr14	MCDAME	BC	233-3113	OK	1356	10	EEP/Gold	10.00
Apr14	CHILLIW	BC	792-1361	OK	1420	1	EEP/Gold	0.54
Apr14	SANDSPT	BC	637-5423	OK	1643	8	EEP/Gold	3.64
Apr15	fr SPOKANE	WA 509	747-2006	4L	0900	4	EEP/Gold	5.81
Apr15	MALTON	ON 416	671-2446	OK	0906	3	WLN OEX	2.82
Apr15	WALNUTCRK	CA 415	933-5464	OK	0915	4	ARP	2.81
Apr15	fr NELSON	BC	354-4067	4L	0924	4	EEP/Gold	5.63
Apr15	KAML S	BC	374-3366	OK	0950	1	EEP/Gold	0.60
Apr15	MERRITT	BC	378-2958	OK	0951	9	EEP/Gold	3.62
Apr15	MALTON	ON 416	671-2446	OK	1030	6	WLN/Tintra	5.64
Apr15	SANDSPT	BC	637-5485	OK	1100	2	EEP/Gold	1.06
Apr15	MALTON	ON 416	671-2446	OK	1141	1	WLN/Tintra	0.94
Apr15	MALTON	ON 416	671-2446	OK	1143	1	WLN/Tintra	0.94
Apr15	SANDSPT	BC	637-5423	OK	1309	1	EEP/Gold	0.63
Apr15	LEWISTON ID 208		743-0914	2K	1445	3	WLN/OEX/OS	3.92
	from BOISE	ID						
Apr15	COTTONWOOD ID 208		962-7190	2K	1448	2	WLN/OEX/OS	3.25
	from BOISE	ID						
Apr15	COTTONWOOD ID 208		962-7190	2K	1631	9	WLN/OEX/OS	7.92
	from BOISE	ID						
Apr15	fr BOISE	ID 208	384-9808	4K	1641	1	WLN/OEX/OS	2.20
Apr18	VANCVER	BC	687-1658	3K	1010	2	EEP/Gold	2.04
	from FAUQIER	BC						
Apr18	TIMMINS	ON 705	267-6680	OK	1016	8	WLN/OEX	7.52
Apr18	VERNON	BC	545-8131	OK	1026	4	EEP/Gold	1.80
Apr18	FARMINGTON	NM 505	326-5525	OK	1244	1	ARP/	0.85
Apr18	DALLAS	TX 214	880-0100	OK	1446	5	ARP	3.72
Apr18	NAKUSP	BC	265-4215	OK	1548	6	EEP/Gold	2.72
Apr18	WHITEHORSE	YT 403	668-2107	OK	1549	5	WLN/Tint	5.40
Apr19	VERNON	BC	542-4091	OK	0913	3	EEP/Gold	1.40
Apr19	DENVER	CO 303	863-7021	OK	0914	19	ARP/	13.09
Apr19	FARMINGTON	NM 505	326-5525	OK	0933	5	ARP/	3.57
Apr19	SANANTONIO	TX 512	821-6194	OK	1108	3	ARP	2.30
Apr19	WALNUTCRK	CA 415	933-5464	OK	1116	5	ARP	3.47
Apr19	ALBUQURQUE	NM 505	883-9006	OK	1120	12	ARP/	8.57
Apr19	SANTAANA	CA 714	667-3800	OK	1129	4		2.89
Apr19	MALTON	ON 416	671-2446	OK	1256	1	WLN/Tintra	0.94
Apr19	FULFD H	BC	653-4239	OK	1335	2	WLN/Tintra	0.86
Apr19	BRAZIL	212215396		OK	1338	1	PML	3.38

Long distance continued

Date	Place	and	number	called	Type	Time	Min	Savings		
Apr19	CALGARY	AB	403	253-7347	OK	1344	6	WLN - ASTRO		4.70
Apr19	BRAZIL		212215396		OK	1346	3			7.88
Apr19	BRAZIL		212215396		OK	1406	20	PML		46.13
Apr19	BRAZIL		212215396		OK	1441	2			5.63
Apr19	HONGKONG		58498705		OK	1703	7			16.88
Apr19	FARMINGTON	NM	505	326-7537	OS	1845	5	ARP	1.25	2.32
Apr19	HONGKONG		58617669		OK	1856	9			21.38
Apr19	HONGKONG		58262438		OK	1926	4	PML		10.13
Apr19	HONGKONG		58617733		OK	1930	4			10.13
Apr19	HONGKONG		58617669		OK	1934	20			46.13
Apr20	NDENVR	BC		358-2455	3K	1021	7	EEP/Gold		3.44
	from NAKUSP		BC							
Apr20	BRAZIL		212215396		OK	1132	8	PML		19.13
Apr20	RICHARDSON	TX	214	690-5738	OK	1138	16	ARP		11.53
Apr20	BABCOCK	TX	512	699-9090	OK	1258	9	ARP		6.56
Apr20	DALLAS	TX	214	880-0100	OK	1308	16	ARP		11.53
Apr20	MURRAY	UT	801	263-9397	OK	1322	1	ARP		0.83
Apr20	GOLDEN	CO	303	278-4455	OK	1347	2	ARP		1.53
Apr20	WALNUTCRK	CA	415	933-5464	OK	1351	5	ARP		3.47
Apr20	WALNUTCRK	CA	415	933-5464	OK	1407	1	ARP		0.83
Apr20	KINGSTON	ON	613	544-8702	OK	1526	3	WLN JSB		2.82
Apr20	FARMINGTON	NM	505	326-5525	OK	1622	2	ARP		1.53
Apr20	FARMINGTON	NM	505	326-5525	OK	1646	1	ARP		0.85
Apr20	DENVER	CO	303	759-4040	OK	1649	6			4.25
Apr20	BRAZIL		212679784		OK	1733	1			3.38
Apr20	AUSTRALIA		33291202		OK	1759	3	PML		6.48
Apr20	BRAZIL		212875155		OK	1817	5			12.38
Apr20	PAHRUMP	NV	702	727-4292	OS	1917	3		0.77	1.44
Apr20	KINGSTON	ON	613	544-8702	OS	2004	1	JSB	0.35	0.59
Apr21	EDMONTON	AB	403	435-5266	OK	0829	3	EEP/Gold		2.45
Apr21	MCDAME	BC		233-3113	OK	0845	1	EEP/Gold		1.18
Apr21	HENDERSON	NV	702	564-4195	OK	0850	5			3.57
Apr21	BRAZIL		212215396		OK	0852	1			3.38
Apr21	LASVEGAS	NV	702	736-2113	OK	0855	1	PML		0.85
Apr21	HENDERSON	NV	702	564-4195	OK	0856	1			0.85
Apr21	DENVER	CO	303	759-4040	OK	0908	1			0.85
Apr21	BOISE	ID	208	384-6195	OK	0919	8	WLN/OEX/US		5.21
Apr21	BOISE	ID	208	384-6195	OK	0934	3	WLN/OEX/US		2.06
Apr21	FRANCE		74034099		OK	0955	5	PML		10.18
Apr21	ROSSRIVER	YT	403	969-2374	OK	1050	1	WLN/TINT		1.30
Apr21	RENO	NV	702	786-5011	OK	1135	3			2.15
Apr21	BRAZIL		212215396		OK	1219	19	PML		43.88
Apr21	BRAZIL		212215396		OK	1333	5			12.38
Apr21	MERRITT	BC		378-2958	OK	1351	1	EEP/Gold		0.58
Apr21	NAKUSP	BC		265-3685	OK	1450	2	EEP/Gold		1.04
Apr21	CHILLIW	BC		792-1361	OK	1512	3	EEP/Gold		1.22
Apr21	KAML S	BC		374-3366	OK	1520	3	EEP/Gold		1.40
Apr21	MCDAME	BC		233-3206	OK	1626	11	EEP/Gold		10.98
Apr21	VANCVER	BC		687-1658	3K	1751	37	WLN/TINT		39.68
	from WHITEHS		YT							

Long distance continued

Date	Place and number called			Type	Time	Min	Savings	
Apr21	NAKUSP BC		265-3422	3S	2031	8	EEP/Gold	3.38
	from PMOODY BC							
Apr22	CALGARY AB	403	255-7776	0K	0858	3	WLN-MMO'	2.45
Apr22	N DENVR BC		358-7922	0K	0939	4	EEP/Gold	1.88
Apr22	VANCVER BC		661-5700	3K	0946	8	WLN/TinT	9.52
	from WHITEHS YT							
Apr22	VANCVER BC		684-9246	3K	1001	2	WLN/TinT	3.28
	from WHITEHS YT							
Apr22	VANCVER BC		684-9246	3K	1012	1	WLN/TinT	2.24
	from WHITEHS YT							
Apr22	VANCVER BC		684-9246	3K	1024	1	WLN/TinT	2.24
	from WHITEHS YT							
Apr22	VANCVER BC		687-1658	3K	1322	12	WLN/TinT	14.40
	from ROSSRVR YT							
Apr22	KELOWNA BC		860-2464	0K	1450	2	EEP/Gold	1.00
Apr22	HOPE BC		869-5634	3K	1534	2	EEP/Gold	1.75
	from NAKUSP BC							
Apr22	VANCVER BC		687-1658	3K	1540	16	EEP/Gold	7.92
	from NAKUSP BC							
Apr22	TIMMINS ON	705	267-2073	0K	1545	15	EEP/Gold	14.10
Apr23	WHYTECL BC		921-9153	2S	1846	2	WLN/TinT	3.13
	from ROSSRVR YT							
Apr24	WHYTECL BC		921-9153	3S	2217	12	WLN/TinT	9.78
	from ROSSRVR YT							
Apr25	NAKUSP BC		265-4101	0K	0956	3	EEP/Gold	1.46
Apr25	WHITEHORSE YT	403	668-6616	3K	0958	1	WLN/TinT	1.04
	from ROSSRVR YT							
Apr25	PR RUP BC		627-1751	0K	1030	1	EEP/Gold	0.63
Apr25	NAKUSP BC		265-4235	0K	1034	4	EEP/Gold	1.88
Apr25	SANDSPT BC		637-5423	0K	1123	5	EEP/Gold	2.35
Apr25	VANCVER BC		687-1658	3K	1221	8	WLN/TinT	9.52
	from WHITEHS YT							
Apr25	NAKUSP BC		265-4101	0K	1228	3	EEP/Gold	1.46
Apr25	NAKUSP BC		265-3349	0K	1234	3	EEP/Gold	1.46
Apr25	NAKUSP BC		265-3635	0K	1237	3	EEP/Gold	1.46
Apr25	NAKUSP BC		265-3685	0K	1248	1	EEP/Gold	0.62
Apr25	NAKUSP BC		265-3114	0K	1509	5	EEP/Gold	2.30
Apr25	NELSON BC		354-4900	0K	1534	5	EEP/Gold	2.30
Apr25	VERNON BC		545-8965	0K	1546	2	EEP/Gold	1.00
Apr25	NAKUSP BC		265-4478	0S	1719	7	EEP/Gold .03	2.11
Apr25	VANCVER BC		687-1658	3K	1726	1	WLN/DEX/US	2.24
	from WHITEHS YT							
Apr25	WSTVAN BC		921-9153	3S	2003	11	TIMMA WMM	4.27
	from FJOHN BC							
Apr26	CALGARY AB	403	267-8663	0K	0831	15	EEP/Gold	11.45
Apr26	FULFD H BC		653-4239	0K	0940	8	TIMMA-TINT	2.84
Apr26	NAKUSP BC		265-3422	0K	0950	8	EEP/Gold	3.56
Apr26	ELKO NV	702	738-9288	0K	0952	2	WLN-DATAMM	1.49
Apr26	CASSIAR BC		778-7789	0K	1003	16	EEP/Gold	15.88
Apr26	WHITEHORSE YT	403	668-2177	0K	1101	2	WLN/TinT	2.28
Apr26	FAUQIER BC		269-7455	0K	1203	15	EEP/Gold	6.50

Long distance continued

Date	Place and number called			Type	Time	Min	Savings	
Apr26	BOISE	ID 208	384-6195	OK	1301	4	WLN/OEX/US	2.69
Apr26	N DENVR	BC	358-2455	OK	1323	2	WLN/OEX/US	1.04
Apr26	WHITEHORSE	YT 403	668-2107	OK	1523	3	WLN/Tint	3.32
Apr26	NAKUSP	BC	265-3618	OK	1527	2	EEP/Gold	1.04
Apr26	NAKUSP	BC	265-3618	OK	1529	2	EEP/Gold	1.04
Apr26	VERNON	BC	545-8965	OK	1552	2	EEP/Gold	1.00
Apr26	ROSSRIVER	YT 403	969-2542	OK	1713	4	WLN/Tint	4.60
Apr26	NANAIMO	BC	754-9172	OS	1720	8	0.92	1.92
Apr26	NAKUSP	BC	265-3422	3S	2040	4	EEP/Gold	2.29
	from PMOODY	BC						
Apr27	NANAIMO	BC	754-9172	OK	1017	3	WLN OEX	1.19
Apr27	WHITEHORSE	YT 403	668-7613	OK	1029	2	WLN/Tint	2.28
Apr27	WHITEHORSE	YT 403	668-7644	OK	1031	1	WLN/Tint	1.24
Apr27	ROSSRIVER	YT 403	969-2280	OK	1032	1	WLN/Tint	1.30
Apr27	ROSSRIVER	YT 403	969-2212	OK	1034	1	WLN/Tint	1.30
Apr27	DAWSON	YT 403	993-5475	OK	1035	1	WLN/Tint	1.35
Apr27	DAWSON	YT 403	993-5451	OK	1037	1	WLN/Tint	1.35
Apr27	WATSONLAKE	YT 403	536-7448	OK	1040	2	WLN/Tint	2.16
Apr27	WATSONLAKE	YT 403	536-7939	OK	1043	3	WLN/Tint	3.14
Apr27	WATSONLAKE	YT 403	536-7744	OK	1047	3	WLN/Tint	3.14
Apr27	MAYO	YT 403	996-2500	OK	1049	1	WLN/Tint	1.30
Apr27	MAYO	YT 403	996-2270	OK	1050	5	WLN/Tint	5.70
Apr27	NANAIMO	BC	753-3235	OK	1452	1	WLN OEX	0.53
Apr28	NAKUSP	BC	265-3618	OK	0854	2	EEP/Gold	1.04
Apr28	CHILLIW	BC	792-1361	OK	1043	1	EEP/Gold	0.54
Apr28	ROSSRIVER	YT 403	969-2212	OK	1512	1	WLN/Tint	1.30
Apr29	LAKEWOOD	CO 303	232-5955	OK	1454	31	WLN-OEX-US	21.25
Apr30	PMOODY	BC	937-0888	3S	1031	2	EEP/Gold	1.75
	from NAKUSP	BC						
May 1	VERNON	BC	545-8965	3S	2012	2	EEP/Gold	1.72
	from PMOODY	BC						
May 2	ALEXIS	BC	394-4215	OK	0923	2	EEP/Gold	1.00
May 2	CASSIAR	BC	778-7454	OK	0929	4	EEP/Gold	4.12
May 2	TERRACE	BC	635-7158	OK	1023	8	EEP/Gold	3.64
May 2	NAKUSP	BC	265-3694	OK	1059	4	EEP/Gold	1.88
May 2	NAKUSP	BC	265-3622	OK	1108	1	EEP/Gold	0.62
May 2	NAKUSP	BC	265-3622	OK	1126	4	EEP/Gold	1.88
May 2	CHILLIW	BC	792-1361	OK	1257	1	EEP/Gold	0.54
May 2	VERNON	BC	545-8131	OK	1305	5	EEP/Gold	2.20
May 2	CHILLIW	BC	792-1361	OK	1400	5	EEP/Gold	1.90
May 2	VERNON	BC	545-8131	OK	1418	4	EEP/Gold	1.80
May 2	WHITEHORSE	YT 403	668-7644	OK	1528	2	WLN/Tint	2.28
May 2	CASSIAR	BC	778-7454	OK	1632	3	EEP/Gold	3.14
May 3	EDMONTON	AB 403	435-5266	OK	0829	1	EEP/Gold	0.95
May 3	CALGARY	AB 403	255-7776	OK	0830	3	EEP/Gold	2.45
May 3	FORTERIE	ON 416	871-5600	OK	0921	1	EEP/Gold	0.94
May 3	MCDAME	BC	233-3113	OK	0926	2	EEP/Gold	2.16
May 3	FORTERIE	ON 416	871-5600	OK	1028	6	EEP/Gold	5.64
May 3	VERNON	BC	545-2191	OK	1050	2	EEP/Gold	1.00
May 3	ROSSRIVER	YT 403	969-2374	OK	1136	1	WLN/Tint	1.30
May 3	TRAIL	BC	364-4102	OK	1148	12	EEP/Gold	5.24

Long distance continued

Date	Place and number called	Type	Time	Min	Savings	
May 3	EASTHELENA MT 406 227-5311	OK	1230	5	WLN - OEX-US	3.32
May 3	NEWYORK NY 212 510-2000	OK	1236	5	WLN/OEX/US	3.77
May 3	ROSSRIVER YT 403 969-2560	OK	1259	1	WLN/Tintina	1.30
May 3	TRAIL BC 364-4102	OK	1313	6	WLN - OEX	2.72
Total long distance						1048.35

Taxes

Federal tax at 10.0% on 1284.26	128.43
Provincial tax at 6.0% on 1298.12	77.89
Subtotal	206.32
Total new charges	**1530.22**

AMOUNT OWING IS DUE BY MAY 30, 1988 $1530.22

FAX Machine

B.C. Telephone Statement dated May 4, 1988

N/Tintina

.76
.24
.24
.48
.18
.28

7.18
1.72 10%
1.03 6%

9.93

GDC

.73
.73
.73
.73
.73
4.09
2.41

10.15
1.02 10%
.61 6%

11.78

ARP

.88
1.49
4.43
2.30
5.45
5.14
4.43
2.30
.88
.83
3.47
.89

32.49
3.24 10%
1.95 6%

37.68

EEP/GOLD

3.70
6.66
4.70
3.76
3.76
.94
1.80

25.32
2.53 10%
1.52 6%

29.37

WLN/OEX

3.70
6.66
6.48
2.78
2.10
2.10
2.10
2.82
5.63
2.75

37.12
3.71 10%
2.23 6%

43.06

PML/QR

16.88
12.38
5.63
3.30
2.22
5.63
5.63
10.13
2.70
3.70

68.20
6.82 10%
4.09 6%

79.11

WLN/HO

5.63
39.38
9.30

54.31
5.43 10%
3.26 6%

63.00
27.48

90.48

WLN/Battle mt.

1.53
.15 10%
.09 6%

1.77

MCY

.94
.09 10%
.06 6%

1.09

EEP/HO

6.82
.68 10%
.41 6%

7.91
27.47

35.38

Total $ 349.65

PREVIOUS CHARGES AND CREDITS

Amount of last bill	$481.91
Payment applied Apr 28 - thank you	481.91cr
Balance forward	0.00

NEW CHARGES

Rental of equipment and services from May 4 to Jun 3

1	Business individual access line	45.05
1	Touch calling line charge	2.55
Subtotal		47.60

Long distance

Date	Place	and	number	called	Type	Time	Min	Savings	
Mar30	MALTON	ON	416	671-8160	OK	1601	4	WLN/Tintinc	3.76
Apr 5	COERDALENE	ID	208	769-4107	OK	0858	1	GDC	0.73
Apr 5	COERDALENE	ID	208	769-4107	OK	0903	1	GDC	0.73
Apr 5	COERDALENE	ID	208	769-4107	OK	0904	1	GDC	0.73
Apr 5	COERDALENE	ID	208	769-4107	OK	0914	1	GDC	0.73
Apr 5	COERDALENE	ID	208	769-4107	OK	0916	1	GDC	0.73
Apr 6	SANANTONIO	TX	512	821-5396	OK	0913	1	ARP	0.88
Apr 6	WALNUTCRK	CA	415	947-3920	OK	1506	2	ARP	1.49
Apr 6	DENMARK			2756067	OS	1531	2	EEP/Gold	3.70
Apr 6	DENMARK			2756067	OS	1534	4	EEP/Gold	6.66
Apr 7	AUSTRALIA			22612410	OS	1206	2	WLN/OEX	3.70
Apr 7	AUSTRALIA			22612410	OS	1209	4	WLN/OEX	6.66
Apr 7	AUSTRALIA			90912203	OK	1718	3	WLN/OEX	6.48
Apr 7	AUSTRALIA			90912203	OK	1732	1	WLN/OEX	2.78
Apr 8	FAIRBANKS	AK	907	452-4755	OK	1550	1	WLN/OEX	2.10
Apr 8	FAIRBANKS	AK	907	452-4755	OK	1553	1	WLN/OEX	2.10
Apr 8	FAIRBANKS	AK	907	456-6785	OK	1556	1	WLN/OEX	2.10
Apr 8	WHITEHORSE	YT	403	667-6205	OK	1558	1	WLN/Tint	1.24
Apr 8	WHITEHORSE	YT	403	668-6205	OK	1605	1	WLN/Tint	1.24
Apr12	SANANTONIO	TX	512	821-5396	OK	1536	6	ARP	4.43
Apr12	SANANTONIO	TX	512	821-5396	OK	1622	3	ARP	2.30
Apr14	WALNUTCRK	CA	415	947-3920	OK	1016	8	ARP	5.45
Apr14	SANANTONIO	TX	512	821-5396	OK	1026	7	ARP	5.14
Apr14	SANANTONIO	TX	512	821-5396	OK	1034	6	ARP	4.43
Apr14	SANANTONIO	TX	512	821-5396	OK	1133	3	ARP	2.30
Apr14	COERDALENE	ID	208	769-4107	OK	1204	7	GDC	4.09
Apr15	MALTON	ON	416	671-4293	OK	0921	5	EEP/Gold	4.70
Apr15	MALTON	ON	416	671-4293	OK	0927	4	EEP/Gold	3.76
Apr15	MALTON	ON	416	671-4293	OK	0946	4	EEP/Gold	3.76
Apr18	VICTORI	BC		385-6777	OK	1541	2	ARP	0.88
Apr18	TORONTO	ON	416	596-6075	OK	1550	3	WLN/OEX	2.82
Apr18	TIMMINS	ON	705	264-2435	OK	1558	1	EEP/Gold	0.94
Apr19	BRAZIL			212424045	OK	1400	7	PmL/AR	16.88
Apr19	BRAZIL			212424045	OK	1429	5	PmL/AR	12.38
Apr19	HONGKONG			58451592	OK	1439	2	PmL/AR	5.63
Apr19	JAPAN			62207718	OS	1530	1	PmL/AR	3.30
Apr19	AUSTRALIA			22514130	OS	1534	1	PmL/AR	2.22
Apr19	HONGKONG			5299893	OK	1849	2	PmL/AR	5.63
Apr20	HONGKONG			58680052	OK	1252	2	PmL/AR	5.63
Apr20	HONGKONG			06515822	OK	1306	4	PmL/AR	10.13

Long distance continued

Date	Place and number called		Type	Time	Min	Savings	
Apr20	TAIWAN	42248548	OS	1311	1	PML/AR	2.70
Apr20	AUSTRALIA	22514130	OS	1314	2	PML/AR	3.70
Apr21	HONGKONG	5295159	OK	0850	2	WLN/HO	5.63
Apr21	LOOKOUTMT CO	303 526-1650	OK	1004	2	WLN/Battle Mt	1.53
Apr21	TORONTO ON	416 968-4848	OK	1425	1	mcy	0.94
Apr21	KAML S BC	374-9212	OK	1530	4	EEP/Gold	1.80
Apr22	COERDALENE ID	208 769-4107	OK	0948	4	GDC	2.41
Apr22	HONGKONG	58498428	OK	1737	17	WLN/HO	39.38
Apr22	HONGKONG	5295159	OK	1827	2	WLN/OEX	5.63
Apr26	WHITEHORSE YT	403 668-3937	OK	0854	7	WLN/Tint	7.48
Apr27	WATSONLAKE YT	403 536-7971	OK	1142	1	WLN/Tint	1.18
Apr27	WALNUTCRK CA	415 947-3920	OK	1434	1	ARP	0.83
Apr29	UNITEDKIN DM	14934957	OS	1559	5	EEP/HO	6.82
Apr29	UNITEDKIN DM	14934957	OS	1617	7	WLN/HO	9.30
Apr29	WALNUTCRK CA	415 947-3920	OK	1626	5	ARP	3.47
May 2	WHITEHORSE YT	403 668-4866	OK	1522	2	WLN/Mt	2.28
May 3	NEWYORK NY	212 510-2054	OK	1300	1	ARP	0.89
Dec 2	HONGKONG	5295159	OK	1555	1	WLN/OEX	2.75
Total long distance							254.06

Taxes

Federal tax at 10.0% on 298.91	29.89
Provincial tax at 6.0% on 301.66	18.10
Subtotal	47.99

Total new charges **349.65**

AMOUNT OWING IS DUE BY MAY 30, 1988 $349.65

Demand Dispatch

COURIERS AND MESSENGERS
DIV. OF DEMAND DISPATCH SERVICES LTD.

863683 344180
CONTROL

DISPATCH

VANCOUVER 688-1494 VICTORIA 383-2333

ACCOUNT NO.

SHIPPER

COMPANY: WELCOME NORTH MINES LTD. PREPAID [X]

ADDRESS: 15th, 675 West Hastings

CITY: Vancouver, B. C. P.C. V6B 1N2

FILE NUMBER: MN Tioting DRIVER: GC

SHIPPER (PLEASE PRINT): Janis Borden DATE: 5/12 D/M/Y

SIGNATURE: Janis Borden TIME: 3.25

RECEIVER

COMPANY: MIN-EN LABS COLLECT [ ]

ADDRESS: 705 West 15th Street

CITY: North Vancouver, B. C. P.C. V7M 1T2

ATTENTION: John Barakso DRIVER: GC

RECEIVER (PLEASE PRINT): DATE: 5/12 D/M/Y

SIGNATURE: X TIME: 4:20

SPECIAL INSTRUCTIONS

NO. OF PCS.	WEIGHT	DESCRIPTION
(2)		rocks

SERVICE — PLEASE SPECIFY

GREATER VICTORIA

MESSENGER SERVICE ONLY

[ ] RUSH [ ] HOT

VANCOUVER & LOWER MAINLAND

MESSENGER SERVICE ONLY

REGULAR		RUSH	HOT
SAME DAY	OVERNIGHT	[X]	[ ]

AIR COURIER - B.C. POINTS ONLY

COURIER SERVICE

OVER NIGHT	SAME DAY	NEXT FLIGHT	SPEC. AM
[ ]	[ ]	[ ]	[ ]

Rules and Conditions on Back

CLIENT APPROVAL

To leave goods without signature

[ ] YES _____

(If left unmarked, we assume signature is required)

DELIVERY		
TIME _____ HOURS		
ADVANCES / C.O.D		
ADVANCE CHGS./ C.O.D. FEE		
INSURED VALUE _____		
OVERWEIGHT CHGS		
TOTAL CHARGES ▶	$	7.00

BURNABY BAG & BURLAP LTD.

5291 IMPERIAL STREET, BURNABY, B.C. V5J 1E5

CABLE ADDRESS "BURBAG"

IMPORTERS OF BURLAP - MANUFACTURERS & PROCESSORS OF JUTE PRODUCTS

TELEPHONE : 434-4725 (24 HRS)

SOLD TO : Welcome North Mines Ltd.,
15th Floor, 675 W. Hastings St.,
Vancouver, BC, V6B 1N2

Date May 1/88

Invoice No. 20334

Your Order No. _____

SHIPPED TO : Picked up

Del. Slip No. 64503

200 - Polypropylene used bags	@ 35.00/C	70.00
200 - 17x30 Polypropylene bags	@ 49.00/C	98.00
	PST exempt	- - - -
	PST 6%	10.08
		==========
		$178.08

Paid

TERMS : NET 30 DAYS - 1 1/2% interest charged on overdue accounts.

WESTERN REPRODUCERS LTD.

823 W. PENDER STREET, VANCOUVER, BRITISH COLUMBIA V6C 1K6 - PHONE 684-5391 (HEAD OFFICE)

INVOICE COPY

P 09907

TERMS

NET. PAYABLE UPON RECEIPT OF INVOICE

TO

WELCOME NORTH MINES LTD.
15TH FLR. ROYAL BANK BLD.
675 W. HASTINGS ST.
VANCOUVER, B.C.
94086
V6B 1N2

SHIP TO

DATE	YOUR ORDER NO.	FED. TAX NO.	PROV. TAX NO.	DATE REQUIRED	DATE SUPPLIED
April 12/88					

No. Orig.	DESCRIPTION	CODE	UNIT	QUANTITY	PRICE	$ AMOUNT
8	1 of 18x20 @ 100b Vellum	12	16 LF		4.40 +3.60/LF	4.40 57.60
2	1 of 19x20 @ 100b Vellum	16	3	4.5 LF	+5.56/LF	25.02
1	1 of 19x23 @ 100b Vellum	16	1.5			
	John McCutcheon Tutorial					
1	2 ea. 18x21 Blackline	71A	6	2		
7	2 ea. 18x20 Blackline	71A	35	14		
1	2 ea. 18x25 Blackline	71A	7	2	2.90 +.38¢	29.12
2	2 ea. 19x21 Blackline	71A	14	4		116.14
1	2 ea. 20x24 Blackline	71A	7	2		

69¢

AUTHORIZED BY John McCutcheon RECEIVED BY Tutorial

FED. TAX	13.94
PROV. TAX	7.80
TOTAL $	137.88

MIN•EN LABORATORIES LTD.

SPECIALISTS IN MINERAL ENVIRONMENTS
CHEMISTS • ASSAYERS • ANALYSTS • GEOCHEMISTS

VANCOUVER OFFICE:
705 WEST 15TH STREET
NORTH VANCOUVER, B.C. CANADA V7M 1T2
TELEPHONE (604) 980-5814 OR (604) 988-4524
TELEX: VIA U.S.A. 7601067 • FAX (604) 980-9621

TIMMINS OFFICE:
33 EAST IROQUOIS ROAD
P.O. BOX 867
TIMMINS, ONTARIO CANADA P4N 7G7
TELEPHONE: (705) 264-9996

INVOICE

TO : WELCOME NORTH MINES

15-675 W. HASTINGS ST.,
VANCOUVER, B.C.
V6B 1N2

INVOICE No 8880C
PAGE : 1 OF 1
DATE :May 30/88

ACCOUNT:10297

ATTENTION: DAINE HOWE
PROJECT:

FILE No:

QTY	DESCRIPTION	UNIT PRICE	AMOUNT
1000	UNPRINTED SAMPLE BAGS	155.00	155.00
100	PLASTIC BAGS 12X18	0.21	21.00
100	PLASTIC BAGS 8X13	0.16	16.00
1	HM COLLECTOR 40 MESH SIEVE & PAN	200.00	200.00
	PICKED UP MAY 25 BY JENNA HARDY	0.00	0.00
		* TOTAL *	392.00

THESE ARE PROFESSIONAL SERVICES AND ARE PAYABLE WHEN RENDERED.
OUTSTANDING BALANCES OVER 30 DAYS WILL BE CHARGED 2% INTEREST/MONTH.

MOTORWAYS

ACCOUNT [redacted] BOX 738
OFFICE [redacted] WINNIPEG, MANITOBA R3C 2L8

MOTORWAYS
A Federal Industries Company

CONSIGNEE / CONSIGNATAIRE	SHIPPER / EXPÉDITEUR	ORIG.	PRO NO./N° RÉCÉPISSÉ
J MCCLINTOCK/JOHN WITHAM ROSS RIVER AIRPORT ROSS RIVER YUKON	WECOME NORTH MINES 418-837 W HASTINGS VANCOUVER BC	VT35	2785074-2
		DEST.	TRAILER NO. / N° REM.
		YK78	367359

ORIGINATING CARRIER & PRO / TRANSPORTEUR ORIGINAIRE ET N° DE RÉCÉPISSÉ	SHIPPER'S NUMBERS / NUMÉROS DE L'EXPÉDITEUR	DELIVERING CARRIER / TRANSPORTEUR FINAL	YR. AN. / MO. MO. / DAY JOUR
	*	FRT FRT	88/05/05

PIECES / QUANT.	DESCRIPTION OF COMMODITIES / DESCRIPTION DES MARCHANDISES	WEIGHT / POIDS	RATE / TAUX	CHARGES / FRAIS	COLL. / PPD.
2	400 POLY SHIPPING BAGS BYND WHITEHORSE ML 4 GM, FB	30	M M	47 15 15 00	PPD PPD
2	[illegible]	30		62 15	PPD

BILL TO / FACTURER À:	BILLER COMMIS.	ORIG. REVENUE REV. TR. ORIG.	C.O.D. / CR.	
WELCOME NORTH MINES LTD 1500 - 675 W HASTINGS ST	SC		C.O.D. EXCHANGE / ÉCHANGE C.R.	
	BILLED AT FACTURÉ À	DEL'Y REVENUE REV. TR. FINAL	FEES / HONORAIRES	
VANCOUVER BC 1385875-8 V6B 1N2	VB35	***1500		
	PAGE 1/1		TOTAL	**** 62 15 PPD

TERMS 7 DAYS
TERMES 7 JOURS

PLEASE PAY THIS AMOUNT
S.V.P. PAYER CE MONTANT

INTEREST WILL BE CHARGED ON OVERDUE ACCOUNTS AT 2% PER MONTH (24% PER ANNUM)

2 DUPLICATE FREIGHT BILL

0000735

May 31, 1988

**26,424.00

Trans North Air
Airport hangar "C"
Whitehorse, YK
Y1A 3E4

⑈0000735⑈ ⑆08010⑉010⑆ 95⑉09917⑈

132
May 31/88

0000735

y 31, 1988 RE: Invoice No.s 81861, 81864, 81863, 81859, 81858, 81857, 81856, 81852, 81853, 81854, 81855, 81851, 81862, and 81860 $26,424.00

TINTINA REGIONAL
(TIN) 978

REMIT PAYMENT TO:

TRANS NORTH AIR

TRANS NORTH TURBO AIR LTD.
AIRPORT HANGAR "C" • WHITEHORSE • YUKON • Y1A 3E4
TELEPHONE (403) 668-2177 FAX (403) 668-3420

ACCOUNT NUMBER: W. KNOE

INVOICE NUMBER: 01861

INVOICE DATE: 16 05 88

AREA: BC ☐ YUKON ☐ NWT ☐ ALTA ☐

CHARTERER: Welcome North.

BILLING ADDRESS: 15TH FLOOR 675 W. HASTINGS ST
VANCOUVER BC V6B-1N2

A/C TYPE: BH06

AIRCRAFT REGISTRATION C: F Z X H

FLIGHT DATE: DAY 21 MONTH 05 YEAR 88

PURCHASE ORDER NO.: CONTRACT

FUEL & OIL-X TNTA	FUEL & OIL-X CUST	TNTA FUEL USED	HRS./LITRES	FROM
✓		JP4	370	Ross R.

FROM	TO	MILES	HOURS	ZONE	REMARKS - NO. OF PASS	FREIGHT Kg
Ross River	Mt. Cook+Area		3.7			

PAID
Chk. # 435
Date May 31/88
Code
Journal

SUB	G.L.	AMOUNT					
7673	502	1,665	00		@		
1600	131	233	10	3.7	@ 450.00	1,665	00
					@		
					@		

WAITING TIME	@	/HR.		
FUEL: 370 l	@	63 ¢/LITRE	233	10
FUEL:	@	/LITRE		
MEALS & LODGING				
OTHER				
OTHER				

TOTAL $ 1,898 10

TERMS: PAYABLE UPON RECEIPT OF INVOICE.
2% INTEREST PER MONTH (24% PER ANNUM) WILL BE CHARGED ON ALL OUTSTANDING AMOUNTS OVER 30 DAYS. IF INTEREST IS NOT PAID, FUTURE FLIGHTS WILL BE ON A CASH BASIS.

X _____ CHARTERER'S SIGNATURE

G.E.G INITIALS _____ PILOT'S SIGNATURE

CO-PILOT'S NAME

ENGINEER'S NAME: D.P.H. Doug Hladyn

CYCLES

CARRIAGE SUBJECT TO TERMS OF PUBLISHED TARIFF.
TARIFF AVAILABLE TO PUBLIC VIEW AT TRANS NORTH OFFICE.

THIS IS YOUR ONLY INVOICE — PAY UPON RECEIPT

REMIT PAYMENT TO:

TRANS NORTH AIR

TRAN[illegible]TH TURBO AIR LTD
AIRPO[illegible]NGAR "C" • WHITEHORSE • YUKON • Y1A 3E4
TELEPHONE (403) 668-2177 FAX (403) 668-3420

ACCOUNT NUMBER	W[illegible]-CNOR
INVOICE NUMBER	01864
INVOICE DATE	26 05 88
AREA	BC / YUKON / NWT / ALTA
A/C TYPE	BH06
AIRCRAFT REGISTRATION C	FZXH
FLIGHT DATE	DAY 25 MONTH 05 YEAR 88
PURCHASE ORDER NO.	Contract

CHARTERER: Welcome North

BILLING ADDRESS: 15TH FLOOR 675 W. HASTINGS ST
VANCOUVER BC V6B-1N2

FUEL & OIL-X TNTA	CUST	TNTA FUEL USED	HRS./LITRES	FROM
	✓			

FROM / TO	MILES	HOURS	ZONE	REMARKS - NO. OF PASS - FREIGHT Kg
FROM Magundy River				
TO Tay River				
Pelly River		4.0		

SUB	G.L.	AMOUNT
~~32 13~~ ~~76 13~~	502	1,800 00

	@		
4.0	@	450.00	1,800 00
	@		
	@		
WAITING TIME	@	/HR.	
FUEL:	@	/LITRE	
FUEL:	@	/LITRE	
MEALS & LODGING			
OTHER			
OTHER			

TERMS: PAYABLE UPON RECEIPT OF INVOICE.
2% INTEREST PER MONTH (24% PER ANNUM) WILL BE CHARGED ON ALL OUTSTANDING AMOUNTS OVER 30 DAYS. IF INTEREST IS NOT PAID, FUTURE FLIGHTS WILL BE ON A CASH BASIS.

X [signature]
CHARTERER'S SIGNATURE

G.E.G [signature]
PILOT'S SIGNATURE

INITIALS

CO-PILOT'S NAME

ENGINEER'S NAME
D.P.H D. HLADUN

CYCLES

TOTAL $ 1,800 00

CARRIAGE SUBJECT TO TERMS OF PUBLISHED TARIFF.
TARIFF AVAILABLE TO PUBLIC VIEW AT TRANS NORTH OFFICE.

THIS IS YOUR ONLY INVOICE — PAY UPON RECEIPT

REMIT PAYMENT TO:

TRANS NORTH AIR

TRANS[illegible]H TURBO AIR LTD
AIRPOR[illegible].GAR "C" • WHITEHORSE • YUKON • Y1A 3E4
TELEPHONE (403) 668-2177 FAX (403) 668-3420

ACCOUNT NUMBER	W	C	N	O	R
INVOICE NUMBER	01863				

INVOICE DATE: 26 05 88 — AREA: BC ☐ YUKON ☑ NWT ☐ ALTA ☐

Welcome North.
CHARTERER

15TH FLOOR 675 W. HASTINGS ST.
BILLING ADDRESS

VANCOUVER BC V6B-1N2

A/C TYPE	AIRCRAFT REGISTRATION C
BH06	F-ZXH

FLIGHT DATE	DAY	MONTH	YEAR
	24	05	88.

PURCHASE ORDER NO. Contract

FUEL & OIL X: TNTA ✓	CUST.	TNTA FUEL USED	HRS (LITRES)	FROM
		JP.4	170	Ross R.

FROM	TO	MILES	HOURS	ZONE	REMARKS - NO. OF PASS - FREIGHT Kg
Ross River.	Magundy River area	3	1.7		

SUB	G.L	AMOUNT
~~32 13~~	502	765 00
1600	131	107 10

	@			
1.7	@	450.00	765	00
	@			
	@			
WAITING TIME	@	/HR.		
FUEL: 170l	@	63¢/LITRE	107	10
FUEL:	@	/LITRE		
MEALS & LODGING				
OTHER				
OTHER				
TOTAL		$	872	10

TERMS: PAYABLE UPON RECEIPT OF INVOICE.
2% INTEREST PER MONTH (24% PER ANNUM) WILL BE CHARGED ON ALL OUTSTANDING AMOUNTS OVER 30 DAYS. IF INTEREST IS NOT PAID, FUTURE FLIGHTS WILL BE ON A CASH BASIS.

X [signature] CHARTERER'S SIGNATURE

G.E.G INITIALS — [signature] PILOT'S SIGNATURE

CO-PILOT'S NAME

ENGINEER'S NAME

D.P.H — Doug HLADUN CYCLES

CARRIAGE SUBJECT TO TERMS OF PUBLISHED TARIFF.
TARIFF AVAILABLE TO PUBLIC VIEW AT TRANS NORTH OFFICE.

THIS IS YOUR ONLY INVOICE — PAY UPON RECEIPT

REMIT PAYMENT TO:

TRANS NORTH AIR

TRANS NORTH TURBO AIR LTD.
AIRPORT HANGAR "C" • WHITEHORSE • YUKON • Y1A 3E4
TELEPHONE (403) 668-2177 FAX (403) 668-3420

MAY 27 1988 Welcome to the Mines

ACCOUNT NUMBER	W	N	O	R
INVOICE NUMBER	81859			

INVOICE DATE: 14 / 05 / 88

AREA: B.C. ☐ YUKON ☐ NWT ☐ ALTA ☑

CHARTERER

15TH FLOOR 675 W. HASTINGS ST

BILLING ADDRESS

VANCOUVER BC V6B-1N2

A/C TYPE: BH06

AIRCRAFT REGISTRATION C: F Z X H

FLIGHT DATE: DAY 19 / MONTH 05 / YEAR 88

PURCHASE ORDER NO.: CONTRACT

FUEL & OIL X: TNTA ✓	CUST	TNTA FUEL USED	HRS LITRES	FROM
		JP4	740	Ross R.

FROM	TO	MILES	HOURS	ZONE	REMARKS · NO. OF PASS · FREIGHT Kg
Ross River	Mount Ross				
	Sheldon Mtn		7.4		

SUB	G.L.	AMOUNT
3213	502	3,330 00
1600	131	466 20

	@			
7.4	@	450 00	3,330	00
	@			
	@			
WAITING TIME	@	/HR		
FUEL: 740 l	@	63 ¢/LITRE	466	20
FUEL:	@	/LITRE		
MEALS & LODGING				
OTHER				
OTHER				

TERMS: PAYABLE UPON RECEIPT OF INVOICE.
2% INTEREST PER MONTH (24% PER ANNUM) WILL BE CHARGED ON ALL OUTSTANDING AMOUNTS OVER 30 DAYS. IF INTEREST IS NOT PAID, FUTURE FLIGHTS WILL BE ON A CASH BASIS.

X _____
CHARTERER'S SIGNATURE

G.E.G. _____
INITIALS — PILOT'S SIGNATURE

CO-PILOT'S NAME

O.P.H. ENGINEER'S NAME: Doug Hladun

CYCLES

TOTAL $ 3,796 20

CARRIAGE SUBJECT TO TERMS OF PUBLISHED TARIFF.
TARIFF AVAILABLE TO PUBLIC VIEW AT TRANS NORTH OFFICE.

THIS IS YOUR ONLY INVOICE — PAY UPON RECEIPT

REMIT PAYMENT TO:

TRANS NORTH AIR

TRANS NORTH TURBO AIR LTD
AIRPORT HANGAR "C" • WHITEHORSE • YUKON • Y1A 3E4
TELEPHONE (403) 668-2177 FAX (403) 668-3420

ACCOUNT NUMBER: WELNOR

INVOICE NUMBER: 81858

INVOICE DATE: 21/05/88

AREA: BC / YUKON / NWT / ALTA

Welcome North MINES
CHARTERER

15TH FLOOR 675 W HASTINGS ST
BILLING ADDRESS

VANCOUVER BC V6B 1N2

A/C TYPE: B1t06

AIRCRAFT REGISTRATION C: FZXH

FLIGHT DATE: DAY 18 MONTH 05 YEAR 88

PURCHASE ORDER NO: CONTRACT

FUEL & OIL-X TNTA	CUST	TNTA FUEL USED	HRS. LITRES	FROM
✓		JP4	370	RossR

FROM	TO	MILES	HOURS	ZONE	REMARKS · NO. OF PASS · FREIGHT Kg
Ross River.	Tay Lake area		3.7		

SUB	G.L.	AMOUNT
3213	502	1,665 00
[illegible]		
1600	131	233 10

	@			
3.7	@	450 CC	1,665	00
	@			
	@			
WAITING TIME	@	/HR.		
FUEL: 370 l	@	63 ¢/LITRE	233	10
FUEL:	@	/LITRE		
MEALS & LODGING				
OTHER				
OTHER				

TOTAL $ 1,898 10

TERMS: PAYABLE UPON RECEIPT OF INVOICE

2% INTEREST PER MONTH (24% PER ANNUM) WILL BE CHARGED ON ALL OUTSTANDING AMOUNTS OVER 30 DAYS. IF INTEREST IS NOT PAID, FUTURE FLIGHTS WILL BE ON A CASH BASIS.

X [signature]
CHARTERER'S SIGNATURE

G.E.G.
INITIALS

[signature]
PILOT'S SIGNATURE

CO-PILOT'S NAME

ENGINEER'S NAME: DPH. Doug Hladun

CYCLES

CARRIAGE SUBJECT TO TERMS OF PUBLISHED TARIFF.
TARIFF AVAILABLE TO PUBLIC VIEW AT TRANS NORTH OFFICE.

THIS IS YOUR ONLY INVOICE — PAY UPON RECEIPT

REMIT PAYMENT TO:

TRANS NORTH AIR

TRANS NORTH TURBO AIR LTD.

AIRPORT HANGAR "C" • WHITEHORSE • YUKON • Y1A 3E4

TELEPHONE (403) 668-2177 FAX (403) 668-3420

ACCOUNT NUMBER	W CN O R
INVOICE NUMBER	81857
INVOICE DATE	21/05/88
AREA	BC ☑ YUKON NWT ALTA
A/C TYPE	BH06
AIRCRAFT REGISTRATION C	FZXH
FLIGHT DATE	DAY 17 MONTH 05 YEAR 88

CHARTERER: Welcome North MINES LTD

BILLING ADDRESS: 15TH FLOOR 675 W. HASTINGS ST.

VANCOUVER BC V6B 1N2

FUEL & OIL X TNTA	FUEL & OIL X CUST.	TNTA FUEL USED	HRS. LITRES	FROM
✓		JP4	230	Ross R.

PURCHASE ORDER NO.: CONTRACT

FROM	TO	MILES	HOURS	ZONE	REMARKS - NO. OF PASS - FREIGHT Kg
Ross River	Sheldon Mtn.		2.3		

SUB	G.L.	AMOUNT
3213	502	1,035 00
1600	131	144 90

	@			
2.3	@	450 00	1,035	00
	@			
	@			
WAITING TIME	@	/HR.		
FUEL: 230 L	@	63 ¢/LITRE	144	90
FUEL:	@	/LITRE		
MEALS & LODGING				
OTHER				
OTHER				
TOTAL		$	1,179	90

TERMS: PAYABLE UPON RECEIPT OF INVOICE

2% INTEREST PER MONTH (24% PER ANNUM) WILL BE CHARGED ON ALL OUTSTANDING AMOUNTS OVER 30 DAYS. IF INTEREST IS NOT PAID, FUTURE FLIGHTS WILL BE ON A CASH BASIS.

X _____ CHARTERER'S SIGNATURE

GEG. INITIALS _____ PILOT'S SIGNATURE

CO-PILOT'S NAME

DPH ENGINEER'S NAME Doug HLAdun.

CYCLES

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TELEPH[illegible]E (403) 668-2177 FAX (403) 668-3420

ACCOUNT NUMBER	W C CN O R
INVOICE NUMBER	81856
INVOICE DATE	24 05 88
AREA	BC ☐ YUKON ☑ NWT ☐ ALTA ☐
A/C TYPE	BH 06
AIRCRAFT REGISTRATION C	F Z X H
FLIGHT DATE	DAY 16 MONTH 05 YEAR 88.
PURCHASE ORDER NO.	

CHARTERER: Welcome North

BILLING ADDRESS: 15TH FLOOR 675 W. HASTINGS ST VANCOUVER BC V6B 1N2

FUEL & OIL X TNTA	CUST.	TNTA FUEL USED	HRS. LITRES	FROM
✓		JP4	500	Ross R.

FROM	MILES	HOURS	ZONE	REMARKS - NO. OF PASS - FREIGHT Kg
Ross River				
TO Ketza River area.		5.0		
Kepi-Star				

SUB	G.L.	AMOUNT
3213	502	2,250 00
1600	131	315 00

	@		
5.0	@ 450 00	2,250	00
	@		
	@		
WAITING TIME	@ /HR.		
FUEL: 500 l	@ 63 ¢/LITRE	315	00
FUEL:	@ /LITRE		
MEALS & LODGING			
OTHER			
OTHER			
TOTAL	$	2,565	00

TERMS: PAYABLE UPON RECEIPT OF INVOICE.
2% INTEREST PER MONTH (24% PER ANNUM) WILL BE CHARGED ON ALL OUTSTANDING AMOUNTS OVER 30 DAYS. IF INTEREST IS NOT PAID, FUTURE FLIGHTS WILL BE ON A CASH BASIS.

X [signature]
CHARTERER'S SIGNATURE

G.E.G [signature]
PILOT'S SIGNATURE

INITIALS: CO-PILOT'S NAME

ENGINEER'S NAME: DPH. Doug Hladun

CYCLES

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ACCOUNT NUMBER: 4 CWOR

INVOICE NUMBER: 81852

INVOICE DATE: 18 015 18 8

AREA: BC ☐ YUKON ☐ NWT ☐ ALTA ☐

Welcome North.

CHARTERER

15th Floor West Hastings St.

BILLING ADDRESS

Vancouver BC V6B 1N2

A/C TYPE: Bit06

AIRCRAFT REGISTRATION C: FZXH

FLIGHT DATE: DAY 12 MONTH 05 YEAR 88

PURCHASE ORDER NO.: CONTRACT

FUEL & OIL X: TNTA ✓	CUST.	TNTA FUEL USED	HRS. / LITRES	FROM
		JP4	200L	Ross.

FROM	TO	MILES	HOURS	ZONE	REMARKS - NO. OF PASS - FREIGHT Kg
Ross River.	Pelly R.				
	Ross R. area.		2.0		

SUB	G.L	AMOUNT
1613	502	900 00
1600	131	126 00

	@			
2.0.	@	450 00	900	00
	@			
	@			
WAITING TIME	@	/HR.		
FUEL: 200 l	@	63 ¢/LITRE	126	00
FUEL:	@	/LITRE		
MEALS & LODGING				
OTHER				
OTHER				

TOTAL $ 1,026 00

TERMS: PAYABLE UPON RECEIPT OF INVOICE.
2% INTEREST PER MONTH (24% PER ANNUM) WILL BE CHARGED ON ALL OUTSTANDING AMOUNTS OVER 30 DAYS. IF INTEREST IS NOT PAID, FUTURE FLIGHTS WILL BE ON A CASH BASIS.

X _____ CHARTERER'S SIGNATURE

GEG _____ PILOT'S SIGNATURE

INITIALS | CO-PILOT'S NAME

ENGINEER'S NAME

CYCLES

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TELEPHONE (403) 668-2177 FAX (403) 668-3420

ACCOUNT NUMBER	W	CN	O	K
INVOICE NUMBER	81853			

INVOICE DATE: 18 05 88

AREA: BC / YUKON / NWT / ALTA

Welcome North.

CHARTERER

15TH FLOOR 675 W. HASTINGS ST

BILLING ADDRESS

~~WH~~ VANCOUVER BC V6B 1N2

A/C TYPE	AIRCRAFT REGISTRATION C
BH06	FZXH

FLIGHT DATE	DAY	MONTH	YEAR
	13	05	88

PURCHASE ORDER NO.: CONTRACT

FUEL & OIL X TNTA	CUST.	TNTA FUEL USED	HRS/LITRES	FROM
✓		JP.4	420	R.R.

FROM	MILES	HOURS	ZONE	REMARKS - NO. OF PASS - FREIGHT Kg
Ross River.				
TO Pelly R.				
Hoole R.		4.2		
Kepi-Star				

SUB	G.L.	AMOUNT
1613	502	1,890.00
1600	131	264.60

	@		
4.2	@	450.00	1,890.00
	@		
	@		

TERMS: PAYABLE UPON RECEIPT OF INVOICE.
2% INTEREST PER MONTH (24% PER ANNUM) WILL BE CHARGED ON ALL OUTSTANDING AMOUNTS OVER 30 DAYS. IF INTEREST IS NOT PAID, FUTURE FLIGHTS WILL BE ON A CASH BASIS.

X [signature]
CHARTERER'S SIGNATURE

G.EG [signature]
PILOT'S SIGNATURE

INITIALS	CO-PILOT'S NAME
	ENGINEER'S NAME
	CYCLES

WAITING TIME	@	/HR.	
FUEL: 420 l	@	63 ¢/LITRE	264.60
FUEL:	@	/LITRE	
MEALS & LODGING			
OTHER			
OTHER			

TOTAL $ 2,154.60

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ACCOUNT NUMBER	W	CN	O	R
INVOICE NUMBER	81854			

INVOICE DATE: 18 | 05 | 88

AREA: BC / YUKON / NWT / ALTA

CHARTERER: Welcome North

BILLING ADDRESS: 15TH FLOOR 675 W. HASTINGS ST. VANCOUVER BC V6B 1N2

A/C TYPE: | AIRCRAFT REGISTRATION C: F Z X H

FLIGHT DATE: DAY 14 | MONTH 05 | YEAR 88.

PURCHASE ORDER NO.: CONTRACT

FUEL & OIL X TNTA	CUST.	TNTA FUEL USED	HRS/LITRES	FROM
✓		JP4	430	Ross R.

FROM	MILES	HOURS	ZONE	REMARKS · NO. OF PASS · FREIGHT Kg
Ross River				
TO MacMillan Range		4.3		

SUB	G.L.	AMOUNT
1613	502	1,935 00
1600	131	270 90

4.3	@ 450.00	1,935	00
	@		
	@		
	@		
WAITING TIME	@ /HR.		
FUEL: 430.l	@ 63¢ LITRE	270	90
FUEL:	@ /LITRE		
MEALS & LODGING			
OTHER			
OTHER			

TERMS: PAYABLE UPON RECEIPT OF INVOICE.
2% INTEREST PER MONTH (24% PER ANNUM) WILL BE CHARGED ON ALL OUTSTANDING AMOUNTS OVER 30 DAYS. IF INTEREST IS NOT PAID, FUTURE FLIGHTS WILL BE ON A CASH BASIS.

X [signature]
CHARTERER'S SIGNATURE

GEG. [signature]
PILOT'S SIGNATURE

INITIALS: CO-PILOT'S NAME

ENGINEER'S NAME: DPH. Doug Hladun

CYCLES

TOTAL $ 2,205 90

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ACCOUNT NUMBER: WPNOR

INVOICE NUMBER: 81855

INVOICE DATE: 18 05 88

AREA: BC ☐ YUKON ☐ NWT ☐ ALTA ☐

A/C TYPE: BH06

AIRCRAFT REGISTRATION C: F2XH

FLIGHT DATE: DAY 15 MONTH 05 YEAR 88

PURCHASE ORDER NO.: CONTRACT

Welcome North.

CHARTERER

5TH FLOOR 675 WEST HASTINGS ST

BILLING ADDRESS

VANCOUVER BC V6B 1N2

FUEL & OIL X TNTA	FUEL & OIL X CUST	TNTA FUEL USED	HRS./LITRES	FROM
✓		JP4	220	Ross R

FROM	TO	MILES	HOURS	ZONE	REMARKS - NO. OF PASS.	FREIGHT Kg
Ross River	Ketza River		2.2			

SUB	G.L.	AMOUNT
1613	502	990 00
1600	131	138 60

2.2	@	450.00	990	00
	@			
	@			
	@			
WAITING TIME	@	/HR.		
FUEL: 220 l	@	63¢/LITRE	138	60
FUEL:	@	/LITRE		
MEALS & LODGING				
OTHER				
OTHER				
TOTAL	$		1,128	60

TERMS: PAYABLE UPON RECEIPT OF INVOICE.
2% INTEREST PER MONTH (24% PER ANNUM) WILL BE CHARGED ON ALL OUTSTANDING AMOUNTS OVER 30 DAYS. IF INTEREST IS NOT PAID, FUTURE FLIGHTS WILL BE ON A CASH BASIS.

X _____ CHARTERER'S SIGNATURE

GEG INITIALS

_____ PILOT'S SIGNATURE

CO-PILOT'S NAME

DPH ENGINEER'S NAME Doug Hladun

CYCLES

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ACCOUNT NUMBER	W	CN	O	R

INVOICE NUMBER 81851

Welcome North MAY 24 1988

INVOICE DATE 18 05 88

AREA: B.C. ☑ YUKON ☐ NWT ☐ ALTA ☐

CHARTERER: 15TH FLOOR 675 W. HASTINGS ST

BILLING ADDRESS: VANCOUVER BC V6B 1N2

A/C TYPE: BH06

AIRCRAFT REGISTRATION C: F Z X H

FLIGHT DATE: DAY 11 MONTH 05 YEAR 88

FUEL & OIL X TNTA	CUST	TNTA FUEL USED	HRS / LITRES	FROM
✓			270LT.	Ross.

PURCHASE ORDER NO.: CONTRACT

FROM	MILES	HOURS	ZONE	REMARKS - NO. OF PASS - FREIGHT Kg
Whitehorse.				
TO Ross River		1.1		
Tay Lake		1.6		3pas.

SUB	G.L.	AMOUNT
1613	502	1,215 00
1600	131	170 10

2.7	@ 450.00	1,215	00
	@		
	@		
	@		
WAITING TIME	@ /HR.		
FUEL: 270l	@ 63¢ /LITRE	170	10
FUEL:	@ /LITRE		
MEALS & LODGING			
OTHER			
OTHER			

TERMS: PAYABLE UPON RECEIPT OF INVOICE.
2% INTEREST PER MONTH (24% PER ANNUM) WILL BE CHARGED ON ALL OUTSTANDING AMOUNTS OVER 30 DAYS. IF INTEREST IS NOT PAID, FUTURE FLIGHTS WILL BE ON A CASH BASIS.

X [signature] Lufond
CHARTERER'S SIGNATURE

G.E.G. [signature]
PILOT'S SIGNATURE

INITIALS

CO-PILOT'S NAME

ENGINEER'S NAME

CYCLES

TOTAL $ 1,385 10

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ACCOUNT NUMBER: 4 L CN O R

INVOICE NUMBER: 81862

INVOICE DATE: 26 05 88 — AREA: B.C. YUKON NWT ALTA

Welcome North.

CHARTERER

15TH FLOOR 675 W. HASTINGS ST.

BILLING ADDRESS

VANCOUVER BC V6B 1N2

A/C TYPE: BH06 — AIRCRAFT REGISTRATION C: FZXH

FLIGHT DATE — DAY: 22 — MONTH: 05 — YEAR: 88

PURCHASE ORDER NO.: CONTRACT

FUEL & OIL X: TNTA	CUST.	TNTA FUEL USED	HRS. / LITRES	FROM
✓		JP.4	290	Ross R

FROM	TO	MILES	HOURS	ZONE	REMARKS · NO. OF PASS	FREIGHT Kg
Ross River	Rose Mtn.		2.9			

SUB	G.L.	AMOUNT
~~1613~~ 1613	502	1305 00
1600	131	182 70

	@			
2.9	@	450 00	1,305	00
	@			
	@			
WAITING TIME	@	/HR.		
FUEL: 290 l	@	63¢ /LITRE	182	70
FUEL:	@	/LITRE		
MEALS & LODGING				
OTHER				
OTHER				
TOTAL		$	1,487	70

TERMS: PAYABLE UPON RECEIPT OF INVOICE.
2% INTEREST PER MONTH (24% PER ANNUM) WILL BE CHARGED ON ALL OUTSTANDING AMOUNTS OVER 30 DAYS. IF INTEREST IS NOT PAID, FUTURE FLIGHTS WILL BE ON A CASH BASIS.

X _____
CHARTERER'S SIGNATURE

G.E.G. _____
INITIALS — PILOT'S SIGNATURE

CO-PILOT'S NAME

ENGINEER'S NAME

D.P.H. Doug Hladun
CYCLES

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JUN 1 1988

ACCOUNT NUMBER	4 - CNO C
INVOICE NUMBER	81860
INVOICE DATE	26 05 88
AREA	BC / YUKON / NWT / ALTA
A/C TYPE	BH06
AIRCRAFT REGISTRATION C	FZXH
FLIGHT DATE	DAY 20 MONTH 05 YEAR 88
PURCHASE ORDER NO.	CONTRACT

CHARTERER: Welcome North

BILLING ADDRESS: 15TH FLOOR 675 W. HASTINGS ST
VANCOUVER BC V6B-1N2

FUEL & OIL X TNTA	CUST	TNTA FUEL USED	HRS/LITRES	FROM
✓		J.P.4	590	Ross R

FROM	MILES	HOURS	ZONE	REMARKS · NO. OF PASS · FREIGHT Kg
Ross River				
TO Grew Cr.				
Tay Lake		5.9		

SUB	G.L.	AMOUNT
~~7613~~ 3213	502	2,655.00
1600	131	371.70

	@		
5.9	@ 450.00	2,655	00
	@		
	@		
WAITING TIME	@ /HR.		
FUEL: 590 l	@ 63¢ /LITRE	371	70
FUEL:	@ /LITRE		
MEALS & LODGING			
OTHER			
OTHER			

TERMS: PAYABLE UPON RECEIPT OF INVOICE.
2% INTEREST PER MONTH (24% PER ANNUM) WILL BE CHARGED ON ALL OUTSTANDING AMOUNTS OVER 30 DAYS. IF INTEREST IS NOT PAID FUTURE FLIGHTS WILL BE ON A CASH BASIS.

X [signature]
CHARTERER'S SIGNATURE

GEG [signature]
PILOT'S SIGNATURE

INITIALS: CO-PILOT'S NAME

ENGINEER'S NAME: D.P.H. Doug Hladun

CYCLES

TOTAL $ 3,026 ~~00~~ 70

KK

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NAME: JOHN S. BROCK

PREPARED BY:

MONTH: MAY, 88

APPROVED BY:

	DATE	WLN OEX	WLN TINTINA GENERAL	WLN TINTINA OEX	WLN TINTINA TINT	WLN H/O	EZEP H/O	EZEP TILLI				OFF	LOCATION BC	LOCATION NWT	LOCATION YUKON	OFFICE	FIELD
					2 days												
S	1											✓					
M	2		/														
T	3					/											
W	4							/									
Th	5	/															
F	6	/															
S	7											✓					
S	8											✓					
M	9						/										
T	10							/									✓
W	11							/									
Th	12							/									
F	13	/															
S	14											✓					
S	15					/						✓					
M	16					/											
T	17					/											
W	18						/										
Th	19			/													
F	20				/												
S	21											✓					
S	22											✓					
M	23			ST AT HUL.								✓					
T	24		/														
W	25							/									
Th	26						/										
F	27			/													
S	28											✓					
S	29											✓					
M	30						/										
T	31						/										
	TOTAL	3	2	2	1	4	5	5	/	32		9	/	31			

APPENDIX II

REPORT ON A COMBINED HELICOPTER-BORNE MAGNETIC, ELECTROMAGNETIC AND VLF SURVEY WLN, STARR CREEK, HOOLE RIVER PROPERTIES PELLY RIVER AREA YUKON TERRITORY

FOR
WELCOME NORTH MINES LIMITED
BY
AERODAT LIMITED
August 31, 1988

J8843

R.J. de Carle
Consulting Geophysicist

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APPENDIX V - Anomaly List

LIST OF MAPS

(Scale 1:10,000)

MAPS: (As listed under Appendix "B" of the Agreement)

1. PHOTOMOSAIC BASE MAP;
prepared from photo laydown mosaics at 1:10,000 scale.

2. FLIGHT LINE MAP;
showing all flight lines, anomalies and fiducials with the topographic base map.

3. AIRBORNE ELECTROMAGNETIC SURVEY INTERPRETATION MAP;
showing flight lines, fiducials, conductor axes and anomaly peaks along with inphase amplitudes and conductivity thickness ranges for the 4600 Hz coaxial coil system with the topographic base map.

4. TOTAL FIELD MAGNETIC CONTOURS;
showing magnetic values contoured at 1 nanoTesla intervals, flight lines and fiducials with the topographic base map.

5. VERTICAL MAGNETIC GRADIENT CONTOURS;
showing magnetic gradient values contoured at 0.1 nanoTeslas per metre with the topographic base map.

6. APPARENT RESISTIVITY CONTOURS;
showing contoured resistivity values, flight lines and fiducials with the topographic base map.

7. VLF-EM TOTAL FIELD CONTOURS;
showing VLF-EM values contoured at 0.25% intervals, flight lines and fiducials with the topographic base map.

8. ELECTROMAGNETIC PROFILES;
showing flight lines, fiducials, inphase and quadrature responses for the:
a) 935 Hz coaxial system
b) 4175 Hz coplanar system
c) 4600 Hz coaxial system

1. INTRODUCTION

This report describes an airborne geophysical survey carried out on behalf of Welcome North Mines Limited by Aerodat Limited. Equipment operated included a three frequency electromagnetic system, a high sensitivity cesium vapour magnetometer, a two frequency VLF-EM system, a film tracking camera, a radar positioning system, and an altimeter. Electromagnetic, magnetic and altimeter data were recorded both in digital and analog form. Positioning data were stored in digital form and recorded on VHS video cassette film, as well as being marked on the flight path mosaic by the operator while in flight.

The survey areas, comprised of three blocks of ground in the Pelly River area, Yukon Territory, are located south and southeast of the town of Ross River. The survey areas are also located approximately 200 kilometres northeast of Whitehorse. Twelve (12) flights, which were flown between April 23 and April 27, 1988, were required to complete the survey with flight lines oriented at an Azimuth of 045-225 degrees and flown at a nominal line spacing of 200 metres. Coverage and data quality were considered to be well within the specifications described in the contract.

The survey objective is the detection and location of mineralized zones which can be directly or indirectly related to base metal exploration targets. Of importance, therefore, would be Vangorda-type flat lying lead-zinc sulphide replacement deposits. The deposit comprises an overlapping series of horizontal lenses of sulphides that appear to replace a favourable sedimentary bed. Because of the expected poor conductivity associated with these types of mineralized zones, electromagnetic responses that display weak signatures may be of interest in any future ground program. Magnetics may or may not have any significance because of the presence of other magnetic zones.

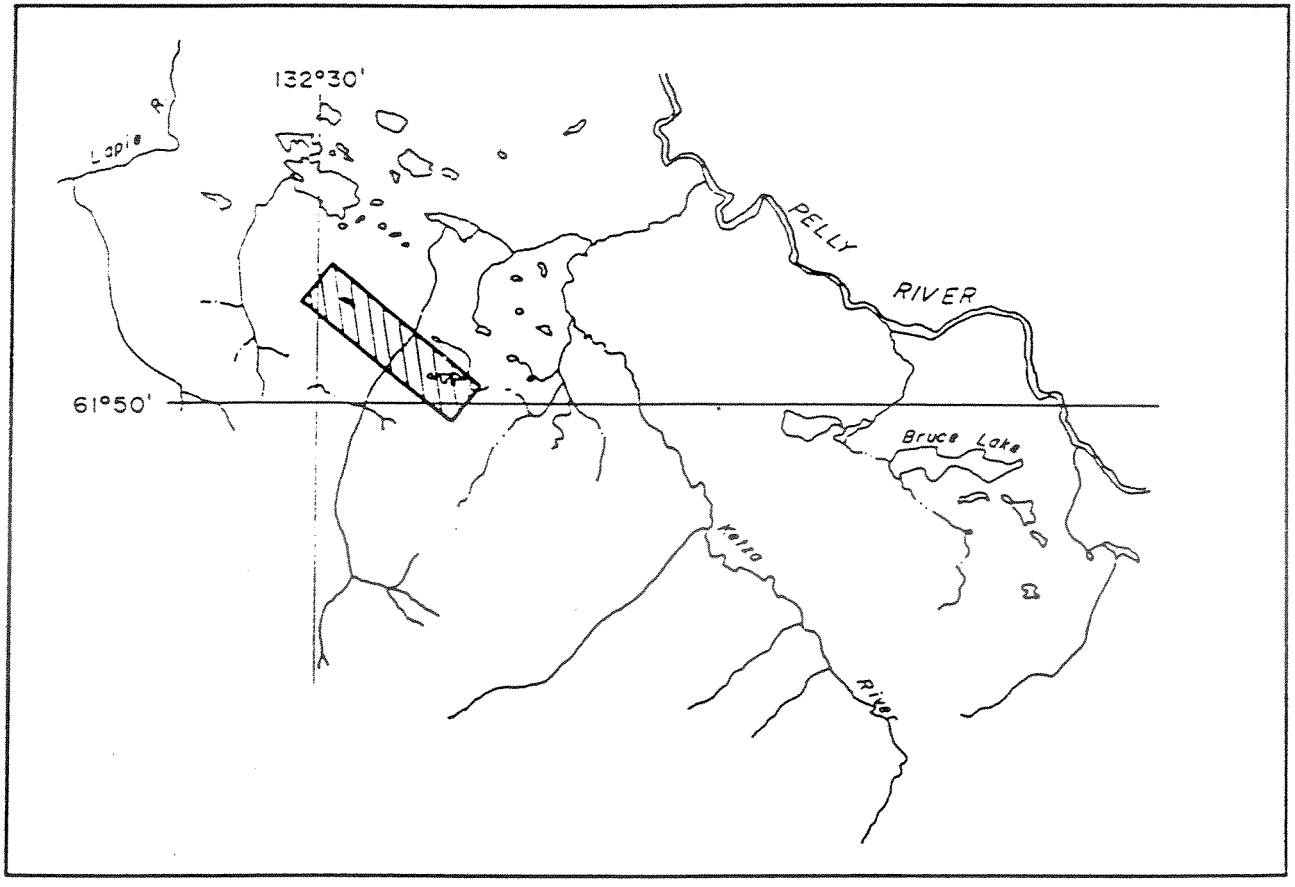
Also of considerable interest is the recent precious metal activity in the Grew Creek area, which is located approximately 15 kilometres northwest of the WLN property. Beyond the Starr Creek property, further to the south, is the Ketza River gold property of Canamax Inc./Pacific Trans-Ocean Resources.

A total of 66 kilometres of the recorded data, of which kilometres were flown in the WLN block, 506 kilometres in the Starr Creek block and 188 kilometres in the Hoole River block, were compiled in map form and are presented as part of this report according to specifications outlined by Welcome North Mines Limited.

2. SURVEY AREA LOCATION

The survey areas are depicted on the index map shown. The WLN property is centred at Latitude 61 degrees 52 minutes north, Longitude 132 degrees 27 minutes west, while the Starr Creek property and the Hoole River property are centred at Latitude 61 degrees 42 minutes north, Longitude 132 degrees 03 minutes west and Latitude 61 degrees 34 minutes north, Longitude 131 degrees 42 minutes west respectively (NTS Reference Map. Nos. 105F 9, 16 and 105G 12). The three survey blocks are located on the northern foothills of the St. Cyr Mountain Range, just south of the Pelly River. Access to all three areas is by helicopter from such bases as Faro or Ross River. Traversing across in a northwest-southeast direction, well to the north of the survey blocks, is Highway 9 or the Robert Campbell Highway, a gravel road. From this highway, a secondary road leads south through the west central portion of the Starr Creek property but access to other parts of this property from this secondary road would be very difficult.

The terrain within each of the properties consist of rolling hills with the southern third portions beginning to become quite rugged. Elevations range from 3000 feet to 5000 feet A.S.L.


132°30'
Lapie R.
PELLY
RIVER
61°50'
Bruce Lake
Kelly
River

3. AIRCRAFT AND EQUIPMENT

3.1 Aircraft

An Aerospatiale A-Star 350D helicopter, (C-GBBX), owned and operated by Ranger Helicopters Limited, was used for the survey. Installation of the geophysical and ancillary equipment was carried out by Aerodat. The survey aircraft was flown at a mean terrain clearance of 60 metres.

3.2 Equipment

3.2.1 Electromagnetic System

The electromagnetic system was an Aerodat 3-frequency system. Two vertical coaxial coil pairs were operated at 935 Hz and 4600 Hz and a horizontal coplanar coil pair at 4175 Hz. The transmitter-receiver separation was 7 metres. Inphase and quadrature signals were measured simultaneously for the 3 frequencies with a time constant of 0.1 seconds. The electromagnetic bird was towed 30 metres below the transmitter.

3.2.2 VLF-EM System

The VLF-EM System was a Herz Totem 2A. This instrument measures the total field and quadrature components of two selected transmitters, preferably oriented at right angles to one another. The sensor was

towed in a bird 12 metres below the helicopter. The transmitters monitored were NLK, Jim Creek, Washington broadcasting at 24.8 kHz. for the Line station and NSS, Annapolis, Maryland and NAA, Cutler, Maine, broadcasting at 21.4 kHz and 24.0 kHz. respectively for the Orthogonal station.

3.2.3 Magnetometer

The magnetometer employed a Scintrex Model VIW-2321 H8 cesium, optically pumped magnetometer sensor. The sensitivity of this instrument was 0.1 nanoTeslas at a 0.2 second sampling rate. The sensor was towed in a bird 12 metres below the helicopter.

3.2.4 Magnetic Base Station

An IFG-2 proton precession magnetometer was operated at the base of operations to record diurnal variations of the earth's magnetic field. The clock of the base station was synchronized with that of the airborne system to facilitate later correlation.

3.2.5 Radar Altimeter

A King Air HRA-100 radar altimeter was used to record terrain clearance. The output from the instrument is a

linear function of altitude for maximum accuracy.

3.2.6 Tracking Camera

A Panasonic video tracking camera was used to record flight path on VHS video tape. The camera was operated in continuous mode and the fiducial numbers and time marks for cross reference to the analog and digital data were encoded on the video tape.

3.2.7 Analog Recorder

An RMS dot-matrix recorder was used to display the data during the survey. In addition to manual and time fiducials, the following data were recorded:

Channel	Input	Scale
CXI1	935 Hz Coaxial Inphase	2 ppm/mm
CXQ1	935 Hz Coaxial Quadrature	2 ppm/mm
CXI2	4600 Hz Coaxial Inphase	2 ppm/mm
CXQ2	4600 Hz Coaxial Quadrature	2 ppm/mm
CPI1	4175 Hz Coplanar Inphase	8 ppm/mm

Channel	Input	Scale
CPQ1	4175 Hz Coplanar Quadrature	8 ppm/mm
PWRL	Power Line	60 Hz
VLT	VLF-EM Total Field, Line	2.5%/mm
VLQ	VLF-EM Quadrature, Line	2.5%/mm
VOT	VLF-EM Total Field, Ortho	2.5%/mm
VOQ	VLF-EM Quadrature, Ortho	2.5%/mm
ALT	Altimeter	10 ft./mm
MAGF	Magnetometer, Fine	2.5 nT/mm
MAGC	Magnetometer, Coarse	25 nT/mm

3.2.8 Digital Recorder

A DGR 33 data system recorded the survey on magnetic tape. Information recorded was as follows:

Equipment	Recording Interval
EM system	0.1 seconds
VLF-EM	0.5 seconds
Magnetometer	0.2 seconds
Altimeter	1.0 seconds

3.2.9 Radar Positioning System

A Motorola Mini-Ranger III radar navigation system was used for both navigation and flight path recovery. Transponders sited at fixed locations were interrogated several times per second and the ranges from these points to the helicopter measured to a high degree of accuracy. A navigational computer triangulates the position of the helicopter a nd provides the pilot with navigation information. The range/range data was recorded on magnetic tape for subsequent flight path determination.

4. DATA PRESENTATION

4.1 Base Map

A photomosaic base at a scale of 1:10,000 was prepared from a photo lay down map, supplied by Aerodat, on a screened mylar base.

4.2 Flight Path Map

The flight path was derived from the Mini-Ranger radar positioning system. The distance from the helicopter to two established reference locations was measured several times per second and the position of the helicopter calculated by triangulation. It is estimated that the flight path is generally accurate to about 10 metres with respect to the topographic detail of the base map. The flight path map showing all flight lines, is presented on a Cronaflex copy of the photomosaic base map, with time markers and navigator's manual fiducials for cross reference to both the analog and digital data.

4.3 Airborne Electromagnetic Survey Interpretation Map

The electromagnetic data were recorded digitally at a sample rate of 10 per second with a time constant of 0.1 seconds. A two stage digital filtering process was carried out to reject major sferic events and to reduce system noise.

Local sferic activity can produce sharp, large amplitude events that cannot be removed by conventional filtering procedures. Smoothing or stacking will reduce their amplitude but leave a broader residual response that can be confused with geological phenomena. To avoid this possibility, a computer algorithm searches out and rejects the major sferic events.

The signal to noise ratio was further enhanced by the application of a low pass digital filter. It has zero phase shift which prevents any lag or peak displacement from occurring, and it suppresses only variations with a wavelength less than about 0.25 seconds. This low effective time constant permits maximum profile shape resolution.

Following the filtering process, a base level correction was made. The correction applied is a linear function of time that ensures the corrected amplitude of the various inphase and quadrature components is zero when no conductive or permeable source is present. The filtered and levelled data were used in the interpretation of the electromagnetics.

An interpretation map was prepared showing peak locations of anomalies and conductivity thickness ranges along with the

Inphase amplitudes (computed from the 4600 Hz coaxial response) and conductor axes. The anomalous responses of the three coil configurations along with the interpreted conductor axes were plotted on a Cronaflex copy of the photomosaic base map.

4.4 Total Field Magnetic Contours

The aeromagnetic data were corrected for diurnal variations by adjustment with the digitally recorded base station magnetic values. No correction for regional variation was applied. The corrected profile data were interpolated onto a regular grid at a 25 metre true scale interval using a cubic spline technique. The grid provided the basis for threading the presented contours at a 1 nanoTesla interval.

The contoured aeromagnetic data have been presented on a Cronaflex copy of the photomosaic base map.

4.5 Vertical Magnetic Gradient Contours

The vertical gradient was computed from the total field magnetic data to obtain values in nanoteslas/metre.

The gridded data were compiled at a 25 metre true scale interval and contoured at an interval of 0.1 nanotesla per metre and presented with flight path on a Cronaflex copy of the

photomosaic base map.

4.6 Apparent Resistivity Contours

The electromagnetic information was processed to yield a map of the apparent resistivity of the ground. The approach taken in computing apparent resistivity was to assume a model of a 200 metre thick conductive layer (i.e., effectively a half space) over a resistive bedrock. The computer then generated, from nomograms for this model, the resistivity that would be consistent with the bird elevation and recorded amplitude for the 4600 hz coaxial frequency pair used. The apparent resistivity profile data were interpolated onto a regular grid at a 25 metres true scale interval using an Akima spline technique.

The contoured apparent resistivity data were presented on a Cronaflex copy of the photomosaic base map with the flight path.

4.7 VLF-EM Total Field Contours

The VLF-EM signals from NLK, Jim Creek, Washington broadcasting at 24.0 kHz. for the Line station were compiled in contour form and presented on a Cronaflex copy of the photomosaic base map.

5. INTERPRETATION

5.1 Geology

The writer did not have access to any detailed geology maps for either block. However, available to the writer, were two generalized geology maps to the north, the Tay River Map Area, Map 19-1987, Sheet 2 of 3 and the Sheldon Lake Area, Map 19-1987, sheet 3 of 3.

To the north of the WLN block, there are known to be Pennsylvanian and Permian dark grey-green basalt, tuff and breccia. Possibly on strike to the northwest of this survey block is a group of Carboniferous to Triassic rocks indicated to be grey weathering muscovite, quartz blastomylonite and recessive, muscovitic quartzite and quartz-muscovite-biotite schist. Further to the west, Pennsylvanian and Permian serpentinite, as well as dark grey limestone and Tertiary laminated rhyolitic ash flow tuffs and flows have been mapped.

The writer is not, however, familiar at all with the geology in either the Starr Creek or Hoole River blocks.

The most notable discoveries in the general vicinity of the survey block are the Vangorda, Faro, Grum and Swim lead-zinc-silver deposits. All of these mineralized deposits are located on the north side of the Tintina Fault, within what are believed to be Lower Cambrian Gull Lake Formation rocks. They include slate, siltstone and schist. Edward O. Chisholm, 1957, has described the Vangorda deposit as an overlapping series of horizontal lenses of sulphides that appear to replace a favourable sedimentary bed. The host rocks comprise a flat lying sedimentary assemblage which can be divided into two main zones, namely, one predominately chloritic sericitic schist, and the other predominantly graphitic schist. They are intimately associated with much intercalation at the edges of the graphitic horizon.

The mineralization is a fine grained aggregate of sulphides in a siliceous matrix consisting of pyrite, sphalerite, galena, pyrrhotite, chalcopyrite and smaller amounts of arsenopyrite, magnetite, marcasite and tennantite. The assemblage indicates a hydrothermal replacement deposit.

Alteration is predominantly sericitic and chloritic and is intensified in an envelope surrounding the mineralized deposit.

The control of deposition appears to be lithological rather than structural but at this stage (1957) there is insufficient evidence to decide.

Two recent gold discoveries in close proximity to the survey area, are the Ketza River deposit owned by Canamax Resources Inc. and Pacific Trans-Ocean Resources Inc. and the Grew Creek deposit owned by Golden Nevada Res. and Noranda Exploration Co.

The writer does not have access to detailed geological or mineralogical information on the two deposits. However, the Ketza River deposit is known to be a pipe and manto deposit consisting of both primary sulphide and secondary oxide ores.

Diamond drilling has outlined an oxide reserve of 430,000

tons grading 0.51 oz. gold per ton as well as 195,000 tons of sulphide ore reserves grading 0.48 oz. gold per ton. There are at least three or four separate deposits.

The major stratigraphic units, from youngest to oldest, recognized on the property consist of black shale unconformably underlain by green mudstone-phyllite which is, in turn, underlain by limestone-dolomite containing archeoyathid fossils and irregular bands of oncoids or ooids. The base of the sequence is interbedded argillite-quartzite hornfels.

Mineralization on the Ketza property is hosted by the limestone-dolomite unit and is contained within irregularly shaped pipes and mantos of massive to semi-massive sulphide and their oxidized equivalents. The Northern Miner Magazine, January 1987.

The second deposit, known as the Grew Creek deposit, is located somewhat closer to the WLN survey area. It is located just south of Highway 9 or Robert Campbell

Highway, along Grew Creek. The rocks are believed to be of Tertiary age and have been indicated to be felsic tuffs. Pyrite seems to be the main mineral which typically runs 1-2%. They are also getting minor mercury and arsenic values, a lack of which indicates they are out of the ore zone.

"The discovery appears to occur on a major structure which is believed to be related to the lead-zinc deposits at Faro, 25 miles to the northwest". It is interesting to note that a lead-zinc halo seems to be enveloping the gold zones near the Ketza River deposits. An interesting phenomenon.

The Grew Creek gold deposit appears to be stratabound with the gold values occuring in a tuff horizon, implying some tonnage potential. Structural events do seem to play an important role in the ore development stages.

5.2 Magnetics

The magnetic data from the high sensitivity cesium magnetometer provided virtually a continuous magnetic reading when recording at two tenth second intervals. The system is also noise free for all practical purposes.

The sensitivity of 0.1 nanoTesla allows for the mapping of very small inflections in the magnetic field, resulting in a contour map that is comparable in quality to ground data. Both the fine and coarse magnetic traces were recorded on digital tapes.

As mentioned previously, the writer did not have access to any detailed geology maps for any of the survey blocks so that a geological-geophysical interpretation was not possible.

Referring to the WLN Property map sheet, a long, wide magnetic feature traverses across the entire property in a northwest-southeast direction, apparently dipping to the southwest. With the exception of a few isolated magnetic features located towards the northeast, the remainder of the survey block is rather magnetically featureless.

The Starr Creek map area presents somewhat of a busy area magnetically. Two stronger magnetic features are located towards the western boundary and eastern boundary of Map sheet 1. Both features within this map sheet are believed to be related to a similar rock type. Another noticeable feature

within Map sheet 1 is the large magnetic low located towards the northeast corner of the map sheet. It is perhaps a feature that is a result of a graben-type structure.

The well known major Tintina Fault is believed to traverse through the southern third of Map Sheet 1. Approximately mid-way on this map sheet is interpreted to be an oblique structure to the Tintina Fault, striking in a north-south direction. Much the same scenario can be made for Map sheet 2. There is quite a high intensity magnetic feature traversing through the middle of the map sheet and again, the writer is not familiar with the geological background in this area so that a geological-geophysical interpretation cannot be given. It is felt, however, that mafic volcanics may be the rock type.

As was seen in Map sheet 1, there is also a lengthy magnetic low across the northern portion of the map sheet which suggests a graben-type feature. There is a drastic contrast between the two areas and thus the graben-type feature interpretation. Towards the east central region of Map sheet 2, the large high intensity magnetic feature becomes somewhat less in

intensity and this phenomenon may be due to the 'volcanics' being somewhat deeper. The medium to low intensity magnetics located towards the southern portion of Map sheet 2 is believed to be related to the graphitic, black siliceous, pyritic slate rock unit.

It is believed that most of Map sheet 3 of the Starr Creek block is underlain with what could be mafic volcanics. The magnetic intensities are reasonably high and any relationship between conductors and the flanks of these magnetic features are suggested targets.

The major Tintina Fault is not believed to be traversing through this map sheet. It is thought to be situated well to the south of the map sheet. The large magnetic low located towards the northwest corner of Map sheet 3 is thought to be related to the previously mentioned graben-type structure. Some of the magnetically active areas within the environment have much lower intensities and thus, are interpreted to be related to deeper seated sources.

The Hoole River block is a somewhat magnetically active area with what appears to be two separate sequences of metavolcanic rocks. One is located through the middle of the block while a second sequence seems to be the one that is located towards the north and northwest. The lower intensity area towards the northeast may be related to sedimentary rocks. To the south, however, the rocks are believed to be the Paleozoic graphitic, black siliceous, pyritic slate. If this is true, then the Tintina Fault traverses through the southern quarter of the block.

5.3 Vertical Magnetic Gradient

The areas of high intensity magnetics have been clearly broken up into unique trends as a result of the computation of the vertical gradient. This interpretation is not as readily obvious when one refers to the magnetic total field maps.

It should also be noted that the zero contour interval coincides directly or very close to geological contacts. It is because of this phenomenon that the calculated vertical gradient map can be compared to a pseudo-geological map. This

is true for vertical bedding. However, with the bedding dipping at a steep to moderate angle to the south, it will be found that the geological contacts will be closer to the magnetic peaks by a small distance.

By using known or accurate geological information and combining this data with vertical gradient data, one can use the presented map as a pseudo-geological map. Obviously, the more that is known about an area geologically, the closer this type of presentation is to what the rock types are.

This type of presentation is an invaluable tool in helping to define complex geology, especially in drift covered areas. Not only in areas of complex geology but in areas of closely spaced geologic formations, has the calculated vertical gradient computation been of exceptional value. Since a good portion of the survey areas are overlain with till, boulders and swamps, this particular presentation will be very useful.

The writer has indicated a few fault zones on the interpretation maps for each of the survey blocks. Because of

the nature of the computation of the vertical gradient data, magnetic anomalies produced by near surface features are emphasized with respect to those resulting from more deeply buried rock formations. As a result, much more detail is obtained, providing a better opportunity to recognize faults. As mentioned, some fault structures have been interpreted by the writer, however, it will become more apparent to the client as more field geological information is obtained, that other fault zones do exist.

It is quite conceivable that the well known major Tintina Fault traverses through the WLN Property in a northwest-southeast direction. The writer has indicated the probable fault zone on this block, that traverses through the northern third of the block. A further analysis of this structural feature should be made by the client.

The same structural feature also traverses through the Starr Creek block, as outlined on the interpretation map by the writer. A number of splay faults have also been interpreted. These are structural features which have all the characteristics

of displacement but are left up to the client to pursue further.

Referring to Map sheet 2, the Tintina Fault, as interpreted by the writer, was a little more difficult to define and may be wrong. It is believed to be in the general area as indicated, but a further assessment in the field, by the client, may reveal additional information to re-define the position of the fault. A number of splay type faults have also been defined.

The vertical magnetic gradient for Map sheet 3 of the Starr Creek block clearly shows the individual rock 'formations' within what has been described as the graben-type structure. The strike direction generally is east-west but there is also an abundance of folding, as well as a few fault zones as indicated on the interpretation map by the writer. The region that has been portrayed as being underlain with mafic volcanics or tuffs, also displays a similar structural perspective. Some of the fault zones, as indicated by the writer, may be splay type structures related to the Tintina Fault. Other fault zones may be interpreted in this area as a result of a more comprehensive evaluation of the magnetic data.

There were a few north-south faults interpreted within the Hoole River area besides the Tintina Fault. In fact, there may also be a couple of east-west faults, possibly splay-type, towards the central, northeast portions of the block. As more structural information is gathered in the field, the vertical magnetic gradient data will assist in the interpretation of other structural features.

5.4 Electromagnetics

The electromagnetic data was first checked by a line-by-line examination of the analog records. Record quality was good on all frequencies. Instrument noise was well within specifications. Geologic noise, in the form of surficial conductors, is present on the higher frequency responses and to a minor extent, on both the low frequency inphase and quadrature response.

Anomalies were picked off the analog traces of the low and high frequency coaxial responses and then validated on the coplanar profile data. These selections were then checked with a proprietary computerized selection program which can be adjusted for ambient and instrumental noise. The data were then edited and re-plotted on a copy of the profile map. This procedure ensured that every anomalous response spotted on the

analog data was plotted on the final map and allowed for the rejection - or inclusion if warranted - of obvious surficial conductors. Each conductor or group of conductors was evaluated on the bases of magnetic (and lithologic, where applicable) correlations apparent on the analog data and man made or surficial features not obvious on the analog charts.

RESULTS

As a result of carrying out an airborne survey over the WLN block, it is very clear that a great number of bedrock conductors have been intercepted. Those that have been interpreted as bedrock conductors have been assigned with conductor axes. However, areas towards the southeast and southwest contain bedrock conductors that are multiple in nature and thus have presented difficulties in defining axes. Graphitic metasediments may be the source for both of these areas.

There is widespread surficial conductivity within the WLN block which, to a degree, is masking or hindering the

detection of the bedrock conductors. One area, however, that remains somewhat resistive correlates with the main high intensity magnetic feature that traverses through the middle of the survey block.

Direction of dip for all bedrock conductors within the WLN property is towards the south.

Because of the number of conductors involved within the WLN property, it is difficult to recommend specific targets. As well, not having access to any detailed geological information also makes it somewhat difficult to recommend targets. One must contemplate either base metal lead-zinc type deposits or precious metal deposits as the exploration setting. It does not seem that conductivity or magnetics play a role in either target. This, then, makes it a somewhat difficult task in outlining specific targets.

The writer has indicated a few fault zones within the WLN block and it may be these features in proximity to a conductor that may be of considerable importance to the client, especially from the precious metal point of view.

A few of the areas that should be considered in any future exploration program, within the WLN block, have been designated as Zones W1 to W6 on the interpretation map. At this point in the exploration program, it is difficult to recommend other conductors for further follow-up.

Referring to Map sheet 1 of the Starr Creek block, it will be noted that most of the intercepted anomalies are located within the southern third of the block. This would also seem to coincide with an area that is south of the Tintina Fault. It is quite possible that this region is underlain with graphitic, black siliceous, pyritic slate which would be the source for most, if not all, of these conductors. Because of the nature of the multi-conductor horizon to the south of the interpreted Tintina Fault, the writer has not assigned conductor axes for this area. To the north of the fault, however, with the possibilities of a different geological background, such targets as outlined on the map sheet by the writer, may be of some interest to the client.

Zone SC1 is not a well defined conductor but this seems to be related to the highly conductive overlying cover. The outlined

conductor is still believed to be bedrock related. There is no magnetic association.

Both Zones SC2 and SC3 are thought to be located south of the Tintina Fault and may be related to the previously mentioned graphitic, black siliceous, pyritic slate. The EM responses for both conductors are reasonable but there is no magnetics. The proximity of both conductors to the Tintina Fault, as well as to an interpreted north-south fault zone, suggests that a reconnaissance survey is warranted. Structural controls are known to have played an important role in both the Vangorda type lead-zinc deposit, as well as the Grew Creek precious metal deposit.

Zone SC4 displays somewhat of a weak electromagnetic response but is still thought to be related to a bedrock source. The broadness of the EM profiles is probably due to the flight lines being flown at an oblique angle to the strike of the conductor. Note its proximity to the interpreted fault zone.

Zone SC5 is another conductor located in close proximity to the Tintina Fault, as well as to a north-south interpreted fault zone. Follow-up is definitely warranted for this trend and could be carried out anywhere along this trend. The eastern extent of this trend may be the portion where preliminary work should be initiated. There is no magnetic correlation. A steeply dipping conductive trend is interpreted, changing from northerly towards the west end to southerly towards the east end.

Zone SC6 is a lone intercept which is dipping to the south. It is believed to be located just to the south of the Tintina Fault. Because of its short strike length and its proximity to fault zones, it is felt that a reconnaissance survey be carried out.

Zones SC7 and SC8 seem to be located on the northern flank of a large, high intensity magnetic feature which may be related to basalts or related tuffs. A ground check is obviously advised for both of these areas. They both seem to be associated with what seems to be the same geological contact, with the previously mentioned graben being located nearby.

Most anomalies intercepted within Map sheet 2 are located towards the southern margins of the map sheet. This seems to be an area that is south of the interpreted Tintina Fault and is also the same area that has been described by the writer, as being underlain with graphitic, black siliceous, pyritic slate. Most conductors, therefore, in this area, are probably due to this source. Areas of interest would seem to be those conductors to the north of the interpreted Tintina Fault or those that are in close proximity to it. Such zones suggested are Zones SC9 to SC16. On the other hand, Zones SC17 and SC18 are located well to the north, far enough away not to be affected by any mineralogical controls related to the Tintina Fault. It must be kept in mind, however, that these two zones are not that well defined so must be investigated further on the ground. There are indications of a negative 'trough' on the mid-frequency coplanar trace suggesting a near vertical half-plane conductor, possibly a bedrock sulphide conductor.

Similar interpretations are given for Zones SC19, SC20 and SC22 to SC24. Zones SC21 and SC25, on the other hand, are located at the edge or on the flank of a somewhat higher conductive environment to the south. The writer has clearly

stated that the Tintina Fault, in this map sheet area, is located to the south. However, the electromagnetic responses have similar characteristics as those that are located to the west and have been interpreted as being related to graphitic, black siliceous, pyritic slate. If this was to be the case for the anomalies towards the southern boundary of Map sheet 3, then the Tintina Fault is traversing through the southern third of the Map sheet.

Within Map sheet 3, further follow-up is suggested for Zones SC21, SC25, SC22 and SC20.

All of the intercepted electromagnetic responses that have been related to bedrock sources within the Hoole River block, are believed to be associated with the volcanic sequences north of the Tintina Fault. In fact, there is a definite absence of electromagnetic responses south of the Tintina Fault suggesting a completely different underlying rock type than the previously mentioned slate. If this geological scenario is correct, then the conductors outlined as Zones HR1 to HR8 are considered to be attractive targets. All of them should be looked at while in the field. The other anomalies that have been plotted on this map sheet are not

well defined EM responses, so should therefore only be considered as prospective targets as more information is gained in the specific areas.

It will be noted that within the Hoole River block, the outlined targets do not have magnetic association. This is suggestive of either graphite or pyrite as being the source.

5.5 Apparent Resistivity

The WLN block electromagnetic data presents east-west trending alternating conductive and resistive sequences. In the area that has been identified as the Tintina Fault, a wide conductive belt exists in contact to the north along the entire structural feature. Meanwhile, a wide, somewhat resistive horizon exists to the south of the Fault. Obviously, two different rock types prevail. Other low resistive areas to the south are believed to be related to the graphitic metasediments described earlier.

Referring to Map sheet 1 of the Starr Creek block, the lowest resistivity region is south of the Tintina Fault. This is to be expected if the area is underlain with graphitic, black

siliceous, pyritic slate. Actually, it may be realistic to assume that the northern flank of this conductive region may coincide with the Tintina Fault, especially if it is considered to be a fault-contact between two completely different geological environments.

Much the same analogy can be made for Map sheet 2 of the Starr Creek block. To the north, where there are a few creeks and what appear to be swamps, one will notice an apparent resistivity low correlating. However, their values generally are in the order of 100 ohm-metres or greater so that overburden or creek bottom silts are the source. There is no apparent similarities with the magnetics so that one may assume a non-relationship between the apparent resistivity and the basement rocks. One exception, of course, is the southern third of the block where the rocks are believed to be graphitic, black siliceous, pyritic slate.

There does not seem to be any similarities between the magnetics and the apparent resistivity which suggests a non-relationship between the apparent resistivity and the basement rock types. A similar comparison shows that not all of the

outlined conductors correlate with the apparent resistivity data. This may be attributed to several phenomenon, one, conductors related to surficial sources, two, a lack of resolution of the apparent resistivity data with closely spaced bedrock conductors and three, the wrong model is being utilized for the type of bedrock conductors that exist in this block.

Generally speaking, the various lithological units within each of the survey blocks are not mapable utilizing this method, except for perhaps, the Paleozoic graphitic, black siliceous, pyritic slate. Without having more geological information for each of the areas, the writer cannot, at this time, elaborate any further on the geological relationships with the apparent resistivity data.

It is interesting to note that in some areas of each block, the apparent resistivity data can be used to extend strike length for some of the conductors, providing of course, that they are sufficiently strong enough. As well, the strike direction with apparent folding can also be interpreted.

5.6 VLF-EM Total Field

The VLF data within each of the survey blocks, in general, do not conform with the magnetic data at all. It is quite clear after examining the comparison of the two sets of data, VLF and the magnetics, that there are no similarities whatsoever.

In regards to the 3 frequency EM data, only where the conductors are reasonably strong is there any indications of a VLF response.

It is suggested that the VLF-EM system has been sensitive to the rather rough terrain in all three areas. It will be noted that in a good many areas where there are sharp valleys or gouges, that a VLF low exists. These particular signatures are thought to be related to a weakening of the VLF transmitted signal when the helicopter has been hidden behind a hill. In areas of higher elevation, a VLF high or background reading seem to prevail.

In general then, the VLF-EM has not produced data of any significance.

5.7 Recommendations

It is strongly recommended to the client that a complete and comprehensive evaluation be made of the magnetic data and especially the calculated vertical gradient magnetic data. All available geological information should be obtained, either through geological maps, diamond drill holes or through the assessment files. Once such information is obtained, a broad scale geological map should be compiled and then, in reference to the calculated vertical gradient magnetic map, a reasonable pseudo-geological map can then be prepared.

Structural information should be obtained through a more comprehensive evaluation of the magnetic data and possibly through an overview of the apparent resistivity data. Cross-cutting faults are evident within the three survey blocks and are extremely important with respect to any mineralogical controls and as such, the development of these structural events through interpreting the magnetic data, will be strongly advised.

As mentioned previously, there is a thin to thick layer of glacial till over most areas within the survey blocks. Over

the most favourable areas geologically, till or soil sampling for gold is recommended with any correlation of subsequent anomalous areas and intercepted bedrock conductors being prime targets for drilling.

It is suggested that overburden reverse circulation drilling may be of some merit in certain areas. Such areas as Zones SC2, SC3, SC4, are just some of the conductors that should be followed up.

In regards to a follow-up geophysical system, any of the horizontal loop EM systems can be used. It would seem that detectability should be easy for any of the types of conductors intercepted in the survey areas. However, the use of a VLF-EM system is not considered an optimum system because of its lack of penetrating ability, its lack of resolution and the variable signal intensity being received. An induced polarization (IP) survey could be carried out in areas where anomalous gold values, from overburden drilling, have been obtained but EM systems have not responded. As well, the IP system may also be used in areas where ground EM methods have not defined the conductors fully or if disseminated sulphides are suspected.

Because of the proximity of the survey areas to the large lead-zinc sulphide deposits near Faro, it is recommended that one should keep an open mind to these types of mineralized targets besides the most sought after auriferous zones. It is interesting to note that a lead-zinc halo seems to be enveloping the gold zones near the Ketza River deposits.

There is no question of the existence of bedrock conductors within the survey area. It is a matter of using all resources, including geophysics, drill information and the compilation of a pseudo-geological map. Reverse circulation drilling may render additional information, for some areas, that will lead to an exciting exploration program.

Respectfully submitted,

R.J. de Carle

Robert J. de Carle
Consulting Geophysicist
For
AERODAT LIMITED
August 31, 1988

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APPENDIX I

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APPENDIX III

CERTIFICATE OF QUALIFICATIONS

I, ROBERT J. DE CARLE, certify that: -

1. I hold a B. A. Sc. in Applied Geophysics with a minor in geology from Michigan Technological University, having graduated in 1970.

2. I reside at 28 Westview Crescent in the town of Palgrave, Ontario.

3. I have been continuously engaged in both professional and managerial roles in the minerals industry in Canada and abroad for the past eighteen years.

4. I have been an active member of the Society of Exploration Geophysicists since 1967 and hold memberships on other professional societies involved in the minerals extraction and exploration industry.

5. The accompanying report was prepared from information published by government agencies, materials supplied by Welcome North Mines Limited and from a review of the proprietary airborne geophysical survey flown by Aerodat Limited for Welcome North Mines Limited. I have not personally visited the property.

6. I have no interest, direct or indirect, in the property described nor do I hold securities in Welcome North Mines Limited.

Signed,

R. J. de Carle

Palgrave, Ontario

August 31, 1988

Robert J. de Carle

Consulting Geophysicist

APPENDIX III

PERSONNEL

FIELD

Flown - April, 1988

Pilot - H. MacRae, K. Miller

Operator - Bert Simon

OFFICE

Processing - Carl Marsden

Report - Robert de Carle, Consulting Geophysicist

APPENDIX IV

GENERAL INTERPRETIVE CONSIDERATIONS

Electromagnetic

The Aerodat three frequency system utilizes two different transmitter-receiver coil geometries. The traditional coaxial coil configuration is operated at two widely separated frequencies and the horizontal coplanar coil pair is operated at a frequency approximately aligned with one of the coaxial frequencies.

The electromagnetic response measured by the helicopter system is a function of the "electrical" and "geometrical" properties of the conductor. The "electrical" property of a conductor is determined largely by its electrical conductivity, magnetic susceptibility and its size and shape; the "geometrical" property of the response is largely a function of the conductor's shape and orientation with respect to the measuring transmitter and receiver.

Electrical Considerations

For a given conductive body the measure of its conductivity or conductance is closely related to the measured phase shift between the received and transmitted electromagnetic field. A small phase shift indicates a relatively high conductance, a large phase shift lower conductance. A small phase shift results

in a large inphase to quadrature ratio and a large phase shift a low ratio. This relationship is shown quantitatively for a non-magnetic vertical half-plane model on the accompanying phasor diagram. Other physical models will show the same trend but different quantitative relationships.

The phasor diagram for the vertical half-plane model, as presented, is for the coaxial coil configuration with the amplitudes in parts per million (ppm) of the primary field as measured at the response peak over the conductor. To assist the interpretation of the survey results the computer is used to identify the apparent conductance and depth at selected anomalies. The results of this calculation are presented in table form in Appendix II and the conductance and inphase amplitude are presented in symbolized form on the map presentation.

The conductance and depth values as presented are correct only as far as the model approximates the real geological situation. The actual geological source may be of limited length, have significant dip, may be strongly magnetic, its conductivity and thickness may vary with depth and/or strike and adjacent bodies and overburden may have modified the response. In general the conductance estimate is less affected by these limitations than is the

depth estimate, but both should be considered as relative rather than absolute guides to the anomaly's properties.

Conductance in mhos is the reciprocal of resistance in ohms and in the case of narrow slab-like bodies is the product of electrical conductivity and thickness.

Most overburden will have an indicated conductance of less than 2 mhos; however, more conductive clays may have an apparent conductance of say 2 to 4 mhos. Also in the low conductance range will be electrolytic conductors in faults and shears.

The higher ranges of conductance, greater than 4 mhos, indicate that a significant fraction of the electrical conduction is electronic rather than electrolytic in nature. Materials that conduct electronically are limited to certain metallic sulphides and to graphite. High conductance anomalies, roughly 10 mhos or greater, are generally limited to sulphide or graphite bearing rocks.

Sulphide minerals, with the exception of such ore minerals as sphalerite, cinnabar and stibnite, are good conductors; sulphides may occur in a disseminated manner that inhibits electrical

conduction through the rock mass. In this case the apparent conductance can seriously underrate the quality of the conductor in geological terms. In a similar sense the relatively non-conducting sulphide minerals noted above may be present in significant consideration in association with minor conductive sulphides, and the electromagnetic response only relate to the minor associated mineralization. Indicated conductance is also of little direct significance for the identification of gold mineralization. Although gold is highly conductive, it would not be expected to exist in sufficient quantity to create a recognizable anomaly, but minor accessory sulphide mineralization could provide a useful indirect indication.

In summary, the estimated conductance of a conductor can provide a relatively positive identification of significant sulphide or graphite mineralization; however, a moderate to low conductance value does not rule out the possibility of significant economic mineralization.

Geometrical Considerations

Geometrical information about the geologic conductor can often be interpreted from the profile shape of the anomaly. The change in shape is primarily related to the change in inductive coupling among the transmitter, the target, and the receiver.

In the case of a thin, steeply dipping, sheet-like conductor, the coaxial coil pair will yield a near symmetric peak over the conductor. On the other hand, the coplanar coil pair will pass through a null couple relationship and yield a minimum over the conductor, flanked by positive side lobes. As the dip of the conductor decreased from vertical, the coaxial anomaly shape changes only slightly, but in the case of the coplanar coil pair the side lobe on the down dip side strengthens relative to that on the up dip side.

As the thickness of the conductor increases, induced current flow across the thickness of the conductor becomes relatively significant and complete null coupling with the coplanar coils is no longer possible. As a result, the apparent minimum of the coplanar response over the conductor diminishes with increasing thickness, and in the limiting case of a fully 3 dimensional body or a horizontal layer or half-space, the minimum disappears completely.

A horizontal conducting layer such as overburden will produce a response in the coaxial and coplanar coils that is a function of altitude (and conductivity if not uniform). The profile shape will be similar in both coil configurations with an amplitude ratio (coplanar:coaxial) of about 4:1*.

In the case of a spherical conductor, the induced currents are confined to the volume of the sphere, but not relatively restricted to any arbitrary plane as in the case of a sheet-like form. The response of the coplanar coil pair directly over the sphere may be up to 8* times greater than that of the coaxial pair.

In summary, a steeply dipping, sheet-like conductor will display a decrease in the coplanar response coincident with the peak of the coaxial response. The relative strength of this coplanar null is related inversely to the thickness of the conductor; a pronounced null indicates a relatively thin conductor. The dip of such a conductor can be inferred from the relative amplitudes of the side-lobes.

Massive conductors that could be approximated by a conducting sphere will display a simple single peak profile form on both coaxial and coplanar coils, with a ratio between the coplanar to coaxial response amplitudes as high as 8*.

Overburden anomalies often produce broad poorly defined anomaly profiles. In most cases, the response of the coplanar coils closely follows that of the coaxial coils with a relative amplitude ratio of 4*.

Occasionally, if the edge of an overburden zone is sharply defined with some significant depth extent, an edge effect will occur in the coaxial coils. In the case of a horizontal conductive ring or ribbon, the coaxial response will consist of two peaks, one over each edge; whereas the coplanar coil will yield a single peak.

* It should be noted at this point that Aerodat's definition of the measured ppm unit is related to the primary field sensed in the receiving coil without normalization to the maximum coupled (coaxial configuration). If such normalization were applied to the Aerodat units, the amplitude of the coplanar coil pair would be halved.

Magnetics

The Total Field Magnetic Map shows contours of the total magnetic field, uncorrected for regional variation. Whether an EM anomaly with a magnetic correlation is more likely to be caused by a sulphide deposit than one without depends on the type of mineralization. An apparent coincidence between an EM and a magnetic anomaly may be caused by a conductor which is also magnetic, or by a conductor which lies in close proximity to a magnetic body. The majority of conductors which are also magnetic are sulphides containing pyrrhotite and/or magnetite. Conductive and magnetic

bodies in close association can be, and often are, graphite and magnetite. It is often very difficult to distinguish between these cases. If the conductor is also magnetic, it will usually produce an EM anomaly whose general pattern resembles that of the magnetics. Depending on the magnetic permeability of the conducting body, the amplitude of the inphase EM anomaly will be weakened, and if the conductivity is also weak, the inphase EM anomaly may even be reversed in sign.

VLF Electromagnetics

The VLF-EM method employs the radiation from powerful military radio transmitters as the primary signals. The magnetic field associated with the primary field is elliptically polarized in the vicinity of electrical conductors. The Herz Totem uses three coils in the X, Y, Z configuration to measure the total field and vertical quadrature component of the polarization ellipse.

The relatively high frequency of VLF (15-25) kHz provides high response factors for bodies of low conductance. Relatively "disconnected" sulphide ores have been found to produce measureable VLF signals. For the same reason, poor conductors such as sheared contacts, breccia zones, narrow faults, alteration zones and porous flow tops normally produce VLF anomalies. The method can therefore be used effectively for geological mapping. The only

relative disadvantage of the method lies in its sensitivity to conductive overburden. In conductive ground the depth of exploration is severely limited.

The effect of strike direction is important in the sense of the relation of the conductor axis relative to the energizing electromagnetic field. A conductor aligned along a radius drawn from a transmitting station will be in a maximum coupled orientation and thereby produce a stronger response than a similar conductor at a different strike angle. Theoretically, it would be possible for a conductor, oriented tangentially to the transmitter to produce no signal. The most obvious effect of the strike angle consideration is that conductors favourably oriented with respect to the transmitter location and also near perpendicular to the flight direction are most clearly rendered and usually dominate the map presentation.

The total field response is an indicator of the existence and position of a conductivity anomaly. The response will be a maximum over the conductor, without any special filtering, and strongly favour the upper edge of the conductor even in the case of a relatively shallow dip.

The vertical quadrature component over steeply dipping sheet-like

conductor will be a cross-over type response with the cross-over closely associated with the upper edge of the conductor.

The response is a cross-over type due to the fact that it is the vertical rather than total field quadrature component that is measured. The response shape is due largely to geometrical rather than conductivity considerations and the distance between the maximum and minimum on either side of the cross-over is related to target depth. For a given target geometry, the larger this distance the greater the depth.

The amplitude of the quadrature response, as opposed to shape is function of target conductance and depth as well as the conductivity of the overburden and host rock. As the primary field travels down to the conductor through conductive material it is both attenuated and phase shifted in a negative sense. The secondary field produced by this altered field at the target also has an associated phase shift. This phase shift is positive and is larger for relatively poor conductors. This secondary field is attenuated and phase shifted in a negative sense during return travel to the surface. The net effect of these 3 phase shifts determine the phase of the secondary field sensed at the receiver.

A relatively poor conductor in resistive ground will yield a net positive phase shift. A relatively good conductor in more conductive ground will yield a net negative phase shift. A combination is possible whereby the net phase shift is zero and the response is purely in-phase with no quadrature component.

A net positive phase shift combined with the geometrical cross-over shape will lead to a positive quadrature response on the side of approach and a negative on the side of departure. A net negative phase shift would produce the reverse. A further sign reversal occurs with a 180 degree change in instrument orientation as occurs on reciprocal line headings. During digital processing of the quadrature data for map presentation this is corrected for by normalizing the sign to one of the flight line headings.

APPENDIX V

ANOMALY LIST

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FLIGHT	LINE	ANOMALY	CATEGORY	AMPLITUDE (PPM) INPHASE	AMPLITUDE (PPM) QUAD.	CONDUCTOR CTP MHOS	CONDUCTOR DEPTH MTRS	BIRD HEIGHT MTRS
11	3070	A	0	-5.6	17.0	0.0	0	229
11	3070	B	0	-5.7	16.9	0.0	0	242
11	3080	A	0	-5.1	8.5	0.0	0	269
11	3090	A	0	-5.8	12.7	0.0	0	250
11	3090	B	0	0.8	10.1	0.0	0	242
11	3090	C	0	-4.8	9.3	0.0	0	236
11	3090	D	0	-7.7	10.0	0.0	0	294
11	3100	A	0	-3.9	10.3	0.0	0	280
11	3100	B	0	-8.4	9.0	0.0	0	263
11	3100	C	0	-1.9	10.7	0.0	0	263
11	3100	D	0	-4.7	9.0	0.0	0	289
11	3110	A	0	-7.8	6.1	0.0	0	307
11	3110	B	0	-10.3	7.3	0.0	0	276
11	3110	C	0	-7.1	9.2	0.0	0	262
11	3110	D	0	-5.3	10.7	0.0	0	295
11	3110	E	0	-14.6	17.2	0.0	0	234
11	3110	F	0	-11.3	11.5	0.0	0	309
11	3120	A	0	-8.9	14.1	0.0	0	238
11	3120	B	0	-7.7	6.8	0.0	0	324
11	3120	C	0	5.7	13.3	0.2	0	299
11	3120	D	0	-9.6	8.9	0.0	0	288
11	3130	A	0	11.2	32.2	0.2	0	243
11	3130	B	0	9.8	22.2	0.3	0	275
11	3130	C	1	30.2	27.8	1.6	0	268
11	3130	D	1	39.8	36.9	1.8	0	225
11	3130	E	0	17.7	24.3	0.8	0	231
11	3130	F	0	-6.8	9.1	0.0	0	290
11	3140	A	0	-9.8	7.8	0.0	0	271
11	3140	B	0	0.6	9.6	0.0	0	245
11	3140	C	1	22.4	19.8	1.6	0	271
11	3140	D	0	13.8	20.3	0.6	0	282
11	3140	E	0	11.2	23.8	0.3	0	265
11	3140	F	0	5.8	20.0	0.1	0	246
11	3140	G	0	3.4	13.6	0.0	0	297
11	3140	H	0	-0.8	19.4	0.0	0	253
11	3150	A	0	9.3	47.3	0.1	0	212

Estimated depth may be unreliable because the stronger part of the conductor may be deeper or to one side of the flight line, or because of a shallow dip or overburden effects.

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FLIGHT	LINE	ANOMALY	CATEGORY	AMPLITUDE (PPM) INPHASE	AMPLITUDE (PPM) QUAD.	CONDUCTOR CTP MHOS	CONDUCTOR DEPTH MTRS	BIRD HEIGHT MTRS
11	3150	B	1	39.9	55.8	1.0	0	218
11	3150	C	0	25.8	34.7	0.9	0	230
11	3150	D	0	10.3	11.8	0.8	0	279
11	3150	E	0	9.0	13.7	0.5	0	283
11	3150	F	2	27.9	21.8	2.0	0	276
11	3160	A	1	17.4	14.9	1.5	0	259
11	3160	B	1	15.6	15.1	1.2	0	247
11	3160	C	1	23.7	19.6	1.7	0	241
11	3160	D	1	23.5	28.2	1.1	0	228
11	3160	E	0	18.5	27.1	0.7	0	238
11	3160	F	1	15.7	14.8	1.2	0	283
11	3160	G	1	12.2	11.4	1.1	0	256
11	3160	H	0	13.8	16.9	0.8	0	266
11	3170	A	0	12.7	24.2	0.4	0	237
11	3170	B	1	27.3	24.5	1.6	0	241
11	3170	C	1	24.0	22.9	1.5	0	242
11	3170	D	0	16.3	26.9	0.6	0	242
11	3170	E	1	26.3	29.9	1.2	0	245
11	3170	F	0	13.7	16.0	0.9	0	279
11	3170	G	1	17.5	19.9	1.0	0	253
11	3170	H	1	19.0	19.1	1.2	0	237
11	3170	J	1	11.8	10.2	1.3	0	242
11	3170	K	1	12.5	11.2	1.2	0	221
11	3180	A	0	12.0	13.3	0.9	0	259
11	3180	B	0	8.8	10.4	0.7	0	286
11	3180	C	0	12.2	16.2	0.7	0	272
11	3180	D	0	16.4	23.8	0.7	0	254
11	3180	E	1	25.6	22.0	1.7	0	266
11	3190	A	1	22.0	18.6	1.7	0	266
11	3190	B	1	25.3	26.0	1.3	0	257
11	3190	C	1	17.3	18.3	1.1	0	235
11	3190	D	0	17.4	22.8	0.8	0	241
11	3200	A	1	15.8	11.4	1.8	0	262
11	3200	B	1	14.6	13.0	1.3	0	266
11	3201	A	2	30.5	21.8	2.3	0	260
11	3201	B	1	17.7	13.7	1.7	0	265
11	3201	C	2	16.7	11.3	2.0	0	260
11	3201	D	1	16.3	16.1	1.2	0	251
11	3210	A	2	21.0	13.0	2.5	0	255

Estimated depth may be unreliable because the stronger part of the conductor may be deeper or to one side of the flight line, or because of a shallow dip or overburden effects.

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FLIGHT	LINE	ANOMALY	CATEGORY	AMPLITUDE (PPM) INPHASE	AMPLITUDE (PPM) QUAD.	CONDUCTOR CTP MHOS	CONDUCTOR DEPTH MTRS	BIRD HEIGHT MTRS
11	3210	B	3	22.0	9.3	4.2	0	261
11	3210	C	2	27.1	14.4	3.3	0	270
11	3210	D	0	17.1	20.5	0.9	0	279
11	3220	A	3	29.5	12.7	4.5	0	248
11	3220	B	3	19.7	8.3	4.1	0	235
11	3220	C	2	20.8	13.3	2.4	0	260
11	3220	D	1	17.3	16.9	1.2	0	249
11	3230	A	2	22.3	15.3	2.2	0	251
11	3230	B	2	36.0	24.7	2.6	0	223
11	3230	C	2	30.1	17.4	3.1	0	245
11	3230	D	2	29.0	14.6	3.6	0	271
11	3240	A	2	16.2	7.0	3.7	0	334
11	3240	B	2	22.4	12.6	2.9	0	272
11	3240	C	2	38.0	22.4	3.2	0	241
11	3240	D	2	28.1	21.7	2.0	0	248
11	3240	E	1	15.1	12.5	1.5	0	285
11	3250	A	2	23.2	15.5	2.3	0	249
11	3250	B	1	22.9	21.1	1.5	0	231
11	3250	C	1	22.0	17.5	1.8	0	244
11	3250	D	2	27.6	14.8	3.3	0	243
11	3250	E	2	22.7	13.1	2.8	0	238
11	3260	A	2	19.2	10.2	3.0	0	238
11	3260	B	1	13.3	13.5	1.1	0	231
11	3260	C	1	16.8	19.2	1.0	0	236
12	3271	A	0	20.2	28.4	0.8	0	245
12	3271	B	1	20.4	17.2	1.6	0	236
12	3271	C	1	16.0	18.0	1.0	0	273
12	3280	A	0	14.6	26.6	0.5	0	248
12	3280	B	1	20.9	23.6	1.1	0	256
12	3280	C	0	9.8	21.9	0.3	0	250
12	3280	D	1	14.0	15.3	1.0	0	245
12	3280	E	1	15.3	14.0	1.3	0	267
12	3280	F	0	14.4	26.0	0.5	0	237
12	3290	A	1	23.2	25.8	1.2	0	241
12	3290	B	0	11.9	23.2	0.4	0	251
12	3300	A	0	14.5	17.6	0.8	0	226

Estimated depth may be unreliable because the stronger part of the conductor may be deeper or to one side of the flight line, or because of a shallow dip or overburden effects.

J8843 - HOOLE RIVER

FLIGHT	LINE	ANOMALY	CATEGORY	AMPLITUDE (PPM) INPHASE	AMPLITUDE (PPM) QUAD.	CONDUCTOR CTP MHOS	CONDUCTOR DEPTH MTRS	BIRD HEIGHT MTRS
12	3300	B	0	6.9	10.1	0.5	0	278
12	3320	A	0	5.1	12.7	0.2	0	278
12	3330	A	0	11.2	35.6	0.2	0	209
12	3330	B	0	12.6	33.5	0.2	0	219
12	3330	C	0	3.7	12.7	0.1	0	226
12	3330	D	0	5.2	15.2	0.1	0	257
12	3330	E	0	5.3	17.1	0.1	0	231
12	3340	A	0	6.0	14.7	0.2	0	255
12	3340	B	0	6.0	20.0	0.1	0	217
12	3340	C	0	7.1	18.9	0.2	0	252
12	3350	A	0	8.5	29.0	0.1	0	205
12	3350	B	0	4.6	15.0	0.1	0	272
12	3350	C	0	3.8	11.8	0.1	0	248
12	3360	A	0	4.3	19.4	0.0	0	225
12	3360	B	0	3.1	8.6	0.1	0	270
12	3360	C	0	3.6	13.4	0.0	0	280
12	3361	A	0	7.9	20.7	0.2	0	230
12	3361	B	0	4.2	12.7	0.1	0	246
12	3361	C	0	4.1	15.3	0.1	0	252
12	3370	A	0	5.8	20.8	0.1	0	223
12	3370	B	0	6.2	16.0	0.2	0	226
12	3370	C	0	6.6	19.8	0.1	0	249
12	3380	A	0	4.4	13.1	0.1	0	269
12	3390	A	0	1.3	12.7	0.0	0	245
12	3390	B	0	3.1	14.4	0.0	0	257
12	3390	C	0	8.2	32.3	0.1	0	224
12	3400	A	0	2.2	7.5	0.0	0	218
12	3410	A	0	6.4	14.0	0.2	0	251

Estimated depth may be unreliable because the stronger part of the conductor may be deeper or to one side of the flight line, or because of a shallow dip or overburden effects.

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FLIGHT	LINE	ANOMALY	CATEGORY	AMPLITUDE (PPM) INPHASE	AMPLITUDE (PPM) QUAD.	CONDUCTOR CTP MHOS	CONDUCTOR DEPTH MTRS	BIRD HEIGHT MTRS
2	1010	A	3	29.2	11.1	5.3	0	95
2	1010	B	3	34.5	17.0	4.0	0	112
2	1010	C	2	40.8	31.9	2.3	0	99
2	1010	D	2	29.0	16.3	3.2	0	98
2	1010	E	3	24.9	9.8	4.8	0	92
2	1010	F	3	22.6	8.2	5.2	0	91
2	1010	G	2	17.9	9.6	2.8	0	57
2	1010	H	3	26.6	8.2	6.8	0	55
2	1010	J	4	26.7	5.5	11.9	0	56
2	1010	K	3	17.6	4.8	7.0	0	60
2	1010	M	2	26.1	17.4	2.4	0	69
2	1020	A	2	24.8	16.2	2.4	0	68
2	1020	B	4	34.7	9.7	8.4	0	48
2	1020	C	3	33.0	11.8	6.0	0	47
2	1020	D	4	42.5	8.6	13.8	0	49
2	1020	E	4	34.5	9.5	8.6	0	54
2	1020	F	2	21.8	11.8	3.0	0	55
2	1020	G	3	34.8	12.7	5.9	0	68
2	1020	H	2	40.3	25.9	2.9	0	49
2	1020	J	2	61.9	37.3	3.7	0	50
2	1020	K	2	73.6	54.4	3.0	0	47
2	1020	M	2	47.8	28.6	3.4	0	55
2	1030	A	3	22.3	9.4	4.2	0	68
2	1030	B	2	23.9	17.5	2.1	0	49
2	1030	C	1	68.2	70.0	1.9	0	88
2	1030	D	3	107.2	54.9	5.4	0	123
2	1030	E	3	29.7	12.4	4.7	0	116
2	1030	F	3	25.1	9.5	5.1	0	79
2	1030	G	3	18.5	5.8	6.0	0	70
2	1030	H	5	34.0	4.6	22.4	0	67
2	1030	J	4	25.3	4.9	12.6	0	58
2	1030	K	3	24.3	6.9	7.4	0	66
2	1030	M	2	28.8	13.7	3.9	0	79
2	1040	A	2	25.4	14.5	3.0	0	84
2	1040	B	3	20.5	6.7	5.8	0	77
2	1040	C	4	33.4	9.0	8.7	0	56
2	1040	D	4	37.1	9.3	9.9	0	52
2	1040	E	4	38.3	7.3	14.6	0	57
2	1040	F	3	20.0	7.5	4.8	0	64
2	1040	G	3	19.2	6.9	5.0	0	68
2	1040	H	3	23.8	9.2	4.9	0	74

Estimated depth may be unreliable because the stronger part of the conductor may be deeper or to one side of the flight line, or because of a shallow dip or overburden effects.

J8843 - STARR RIVER

FLIGHT	LINE	ANOMALY	CATEGORY	AMPLITUDE (PPM) INPHASE	AMPLITUDE (PPM) QUAD.	CONDUCTOR CTP MHOS	CONDUCTOR DEPTH MTRS	BIRD HEIGHT MTRS
2	1040	J	3	27.4	11.8	4.4	0	73
2	1041	B	3	31.6	14.1	4.4	0	61
2	1041	C	3	82.8	36.9	5.9	0	59
2	1041	D	2	31.4	16.3	3.6	0	59
2	1041	E	2	39.6	22.1	3.5	0	64
2	1050	A	2	6.8	3.2	2.4	0	105
2	1050	B	2	64.3	43.6	3.2	0	98
2	1050	C	2	73.3	45.7	3.7	0	106
2	1050	D	3	67.8	33.4	4.9	0	121
2	1050	E	2	27.4	14.7	3.3	0	129
2	1050	F	3	19.3	5.9	6.2	0	155
2	1050	G	4	25.8	5.2	12.0	0	78
2	1050	H	4	30.6	7.0	10.7	0	77
2	1050	J	4	38.4	7.4	14.3	0	77
2	1050	K	4	21.5	4.9	9.5	0	93
2	1050	L	2	29.9	17.8	2.9	0	71
2	1061	A	2	25.0	15.7	2.6	0	70
2	1061	B	3	42.3	13.7	7.3	0	65
2	1061	C	4	55.7	14.2	11.0	0	57
2	1061	D	3	17.3	4.8	6.9	0	87
2	1062	A	3	14.2	5.4	4.2	0	117
2	1062	B	2	25.1	12.2	3.7	0	79
2	1062	C	2	21.1	10.5	3.3	0	78
2	1062	D	2	22.1	10.8	3.5	0	71
2	1062	E	2	42.2	22.3	3.9	0	61
2	1062	F	2	80.3	50.2	3.8	0	46
2	1062	G	2	37.1	27.3	2.4	0	50
2	1062	H	1	14.9	13.0	1.4	0	60
2	1062	J	1	19.1	13.9	1.9	0	67
2	1070	A	2	120.4	122.7	2.3	0	65
2	1070	B	3	65.9	25.9	6.5	0	73
2	1070	C	2	29.6	19.0	2.7	0	120
2	1070	D	3	28.0	11.9	4.5	0	135
2	1070	E	2	30.4	15.7	3.6	0	124
2	1070	F	3	24.0	7.2	6.9	0	110
2	1070	G	4	29.6	5.5	14.0	0	73
2	1070	H	4	35.4	7.7	11.9	0	73
2	1080	A	4	26.8	6.5	9.5	0	74
2	1080	B	3	20.0	6.8	5.5	0	78

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FLIGHT	LINE	ANOMALY	CATEGORY	AMPLITUDE (PPM) INPHASE	AMPLITUDE (PPM) QUAD.	CONDUCTOR CTP MHOS	CONDUCTOR DEPTH MTRS	BIRD HEIGHT MTRS
2	1080	C	3	32.7	11.1	6.4	0	95
2	1081	A	4	48.5	13.2	9.6	0	79
2	1081	B	3	65.6	22.4	7.8	0	62
2	1081	C	3	88.0	38.2	6.2	0	49
2	1081	D	3	86.5	52.7	4.0	0	46
2	1081	E	2	47.3	30.7	3.1	0	55
2	1081	F	2	28.6	21.8	2.1	0	53
2	1090	A	3	39.4	17.6	4.7	0	78
2	1090	B	3	34.7	16.3	4.2	0	93
2	1090	C	3	41.1	15.4	6.0	0	105
2	1090	D	3	25.5	10.3	4.7	0	94
2	1090	E	2	24.3	12.1	3.5	0	123
2	1090	F	2	23.3	12.0	3.3	0	114
2	1090	G	3	20.8	6.4	6.3	0	85
2	1090	H	3	24.9	8.2	6.2	0	71
2	1090	J	3	21.0	6.3	6.6	0	68
2	1100	A	2	104.2	110.4	2.1	0	51
2	1100	B	1	81.3	87.1	1.9	0	52
2	1100	C	3	69.2	31.4	5.5	0	66
2	1100	D	3	69.9	25.1	7.5	0	70
2	1100	E	3	41.5	17.0	5.4	0	91
2	1100	F	4	49.8	11.8	11.7	0	103
2	1100	G	3	27.9	11.9	4.5	0	99
2	1100	H	3	47.3	21.7	4.8	0	94
2	1100	J	3	36.0	11.3	7.3	0	82
2	1100	K	3	20.1	7.6	4.8	0	74
2	1110	A	2	36.8	19.0	3.8	0	66
2	1110	B	2	31.8	16.7	3.6	0	81
2	1110	C	3	28.9	13.0	4.2	0	95
2	1110	D	3	35.2	12.2	6.4	0	103
2	1110	E	4	49.8	10.0	14.5	0	94
2	1110	F	5	50.9	8.3	19.4	0	82
2	1110	G	2	26.2	13.8	3.3	0	88
2	1110	H	3	18.9	5.8	6.2	0	96
2	1110	J	3	17.9	5.1	6.7	0	90
2	1110	K	2	27.4	13.0	3.9	0	65
2	1110	M	2	26.3	16.9	2.5	0	66
2	1120	A	3	22.1	9.4	4.2	0	72
2	1120	B	2	10.4	5.3	2.5	0	79
2	1120	C	2	10.7	4.4	3.4	0	69

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FLIGHT	LINE	ANOMALY	CATEGORY	AMPLITUDE (PPM) INPHASE	AMPLITUDE (PPM) QUAD.	CONDUCTOR CTP MHOS	CONDUCTOR DEPTH MTRS	BIRD HEIGHT MTRS
2	1120	D	2	17.8	7.6	3.9	0	66
2	1120	E	4	48.0	11.6	11.3	0	83
2	1120	F	4	65.4	15.3	12.8	0	84
2	1120	G	4	72.5	19.0	11.4	0	78
2	1120	H	4	62.1	18.9	8.9	0	66
2	1130	A	2	35.3	18.8	3.6	0	91
2	1130	B	2	39.1	21.6	3.5	0	103
2	1130	C	3	61.7	25.6	5.9	0	101
2	1130	D	1	12.8	11.7	1.2	0	92
2	1130	E	1	33.3	29.0	1.8	0	90
2	1130	F	3	52.9	23.6	5.2	0	66
2	1130	G	3	59.2	28.3	4.9	0	66
2	1140	A	3	21.8	9.6	4.0	0	73
2	1141	A	2	17.6	11.1	2.3	0	64
2	1141	B	0	10.5	13.8	0.7	0	56
2	1141	C	0	9.8	12.8	0.6	0	65
2	1141	D	2	18.7	12.4	2.2	0	79
2	1141	E	3	37.2	17.0	4.5	0	73
2	1141	F	2	38.3	20.4	3.7	0	70
2	1150	A	2	45.5	34.5	2.5	0	73
2	1150	B	2	47.7	29.3	3.3	0	66
2	1150	C	2	50.5	32.1	3.2	0	56
2	1150	D	1	46.2	44.8	1.8	0	69
2	1150	E	2	49.3	37.2	2.5	0	72
2	1150	F	1	25.3	30.9	1.0	0	92
2	1150	G	0	9.9	19.1	0.4	0	105
2	1150	H	1	27.2	27.2	1.4	0	100
2	1150	J	3	86.4	46.2	4.8	0	85
2	1150	K	3	35.7	16.5	4.4	0	71
2	1150	M	2	21.9	15.2	2.2	0	66
3	1160	A	1	17.9	15.2	1.5	0	59
3	1160	B	1	19.3	15.0	1.8	0	66
3	1160	C	1	17.4	19.9	1.0	0	54
3	1160	D	0	12.5	27.1	0.3	0	68
3	1160	E	0	8.2	26.4	0.1	0	87
3	1160	F	1	15.1	16.8	1.0	0	96
3	1160	G	0	13.8	16.1	0.9	0	97
3	1160	H	2	25.1	14.9	2.8	0	72
3	1170	A	2	16.2	10.3	2.2	0	75

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FLIGHT	LINE	ANOMALY	CATEGORY	AMPLITUDE (PPM) INPHASE	AMPLITUDE (PPM) QUAD.	CONDUCTOR CTP MHOS	CONDUCTOR DEPTH MTRS	BIRD HEIGHT MTRS
3	1170	B	0	11.8	13.3	0.9	0	60
3	1170	C	0	10.9	17.4	0.5	0	49
3	1170	D	0	5.1	10.1	0.2	0	48
3	1170	E	2	31.1	17.4	3.2	0	63
3	1170	F	2	13.6	6.8	2.9	0	78
3	1180	A	3	13.0	4.3	5.0	0	87
3	1180	B	3	26.4	11.2	4.5	0	79
3	1180	C	0	6.3	10.1	0.4	0	86
3	1180	D	0	8.7	10.3	0.7	0	99
3	1180	E	2	16.2	10.3	2.2	0	75
3	1190	A	2	14.8	9.7	2.0	0	69
3	1190	B	2	18.3	9.9	2.8	0	68
3	1190	C	3	16.0	5.4	5.1	0	84
3	1190	D	3	52.4	17.8	7.4	0	62
3	1190	E	3	46.5	21.7	4.7	0	59
3	1190	F	3	53.7	20.1	6.5	0	56
3	1190	G	3	54.4	26.6	4.6	0	52
3	1190	H	3	55.8	21.5	6.4	0	54
3	1200	D	4	84.3	28.4	8.6	0	65
3	1200	E	3	43.0	16.1	6.1	0	56
3	1200	F	3	44.7	15.1	7.1	0	72
3	1200	G	3	47.2	18.1	6.1	0	57
3	1200	H	3	44.3	20.6	4.6	0	50
3	1200	J	3	43.7	18.3	5.3	0	53
3	1200	K	2	33.8	16.8	3.9	0	56
3	1200	M	1	23.7	19.3	1.8	0	52
3	1200	N	1	20.0	20.8	1.2	0	53
3	1210	A	1	18.9	14.5	1.8	0	63
3	1210	B	1	9.7	8.4	1.2	0	70
3	1210	C	2	42.8	25.2	3.4	0	67
3	1210	D	3	48.0	23.2	4.5	0	63
3	1210	E	3	66.1	27.1	6.2	0	69
3	1210	F	3	72.8	25.6	7.8	0	70
3	1210	G	3	69.1	25.3	7.2	0	70
3	1210	H	3	79.5	34.6	6.0	0	52
3	1220	A	3	21.6	9.0	4.3	0	86
3	1220	B	3	45.2	19.6	5.1	0	85
3	1220	C	2	17.5	10.7	2.4	0	79
3	1220	D	0	5.1	4.8	0.8	0	84
3	1230	A	2	23.4	16.9	2.1	0	65

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FLIGHT	LINE	ANOMALY	CATEGORY	AMPLITUDE (PPM) INPHASE	AMPLITUDE (PPM) QUAD.	CONDUCTOR CTP MHOS	CONDUCTOR DEPTH MTRS	BIRD HEIGHT MTRS
3	1230	B	1	21.4	16.0	1.9	0	62
3	1230	C	0	8.0	9.3	0.7	0	52
3	1230	D	0	6.5	8.5	0.5	13	40
3	1230	E	3	51.9	27.6	4.1	0	61
3	1230	F	3	63.8	31.6	4.8	0	62
3	1230	G	2	38.9	22.8	3.3	0	56
3	1230	H	2	24.3	17.0	2.2	0	63
3	1230	J	2	24.0	15.9	2.4	0	69
3	1240	A	0	14.1	20.3	0.7	0	72
3	1240	B	1	21.0	21.7	1.2	0	81
3	1240	C	1	19.9	24.2	1.0	0	91
3	1240	D	2	21.8	14.5	2.3	0	92
3	1240	E	2	23.4	17.1	2.1	0	78
3	1240	F	0	8.9	33.7	0.1	0	68
3	1240	G	0	28.8	39.5	0.9	0	74
3	1240	H	1	23.6	27.4	1.1	0	73
3	1240	J	1	16.1	12.0	1.8	0	69
3	1240	K	1	13.8	9.9	1.8	0	76
3	1250	A	1	21.1	17.5	1.7	0	63
3	1250	B	2	19.6	12.5	2.3	0	73
3	1250	C	2	26.3	16.7	2.6	0	64
3	1250	D	2	32.1	24.2	2.2	0	52
3	1250	E	0	15.9	26.8	0.6	0	43
3	1250	F	0	9.1	14.7	0.5	0	52
3	1250	G	1	6.4	5.5	1.0	0	74
3	1260	A	1	26.5	26.1	1.4	0	52
3	1260	B	0	22.0	32.8	0.8	0	79
3	1260	C	1	33.2	33.5	1.5	0	94
3	1260	D	2	64.3	47.6	2.8	0	86
3	1260	E	3	95.2	59.1	4.0	0	80
3	1260	F	2	75.8	54.6	3.1	0	75
3	1260	G	2	96.7	74.5	3.1	0	76
3	1260	H	2	85.2	72.3	2.6	0	76
3	1260	J	2	19.9	14.1	2.0	0	67
3	1260	K	1	18.8	19.2	1.2	0	53
3	1260	M	1	18.3	13.1	1.9	0	61
3	1260	N	2	20.5	14.7	2.0	0	57
3	1270	A	2	23.1	16.8	2.1	0	54
3	1270	B	2	23.0	14.5	2.5	0	56
3	1270	C	2	23.8	13.5	2.9	0	69
3	1270	D	2	19.4	11.9	2.4	0	55

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FLIGHT	LINE	ANOMALY	CATEGORY	AMPLITUDE (PPM) INPHASE	AMPLITUDE (PPM) QUAD.	CONDUCTOR CTP MHOS	CONDUCTOR DEPTH MTRS	BIRD HEIGHT MTRS
3	1270	E	0	13.0	16.9	0.7	0	49
3	1270	F	2	16.4	7.5	3.5	0	72
3	1280	A	2	25.5	15.4	2.7	0	68
3	1280	B	2	45.8	25.9	3.6	0	68
3	1280	C	3	39.1	17.9	4.6	0	74
3	1280	D	3	29.6	9.8	6.4	0	69
3	1280	E	1	30.7	26.4	1.8	0	53
3	1280	F	2	35.9	19.4	3.5	0	59
3	1280	G	2	22.2	12.4	2.9	0	68
3	1280	H	1	17.8	16.0	1.4	0	53
3	1300	A	2	14.7	6.8	3.3	0	65
3	1300	B	3	24.5	9.3	5.0	0	60
3	1300	C	3	32.8	14.4	4.5	0	58
3	1300	D	3	44.1	14.8	7.2	0	65
3	1300	E	3	51.8	19.4	6.5	0	59
3	1300	F	3	44.4	16.4	6.3	0	57
3	1300	G	2	29.3	17.0	3.0	0	59
3	1300	H	1	23.0	26.2	1.1	0	55
3	1300	J	1	16.8	17.1	1.2	0	52
3	1310	A	1	18.5	22.0	1.0	0	53
3	1310	B	1	12.6	8.4	1.9	0	63
3	1310	C	1	13.5	11.4	1.4	1	49
3	1310	D	2	20.8	12.8	2.5	0	57
3	1310	E	4	63.7	20.0	8.6	0	63
3	1310	F	3	73.0	25.4	7.9	0	61
3	1310	G	3	69.5	30.4	5.8	0	57
3	1310	H	3	57.8	26.7	5.1	0	56
3	1310	J	3	29.2	8.9	7.1	0	68
3	1320	A	2	20.5	14.6	2.0	0	79
3	1320	B	2	28.1	16.9	2.8	0	79
3	1320	C	2	33.0	17.9	3.4	0	79
3	1320	D	3	50.1	17.1	7.2	0	66
3	1320	E	2	18.0	12.4	2.0	0	70
3	1320	F	2	18.2	8.7	3.3	0	72
3	1320	G	2	20.0	8.8	3.9	0	72
3	1320	H	2	14.9	7.0	3.2	0	70
3	1330	A	2	20.3	9.6	3.5	0	76
3	1330	B	2	20.8	9.4	3.8	0	68
3	1330	C	1	14.9	10.5	1.8	0	65
3	1330	D	1	11.3	9.4	1.3	0	61

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3	1330	E	0	15.5	19.6	0.8	0	49
3	1330	F	2	29.3	22.9	2.0	0	58
3	1340	A	0	4.4	12.8	0.1	0	77
3	1340	B	1	10.8	10.3	1.1	0	94
3	1340	C	1	17.3	16.8	1.2	0	80
3	1340	D	1	14.0	13.0	1.2	0	73
3	1340	E	2	12.7	5.9	3.1	0	95
3	1340	F	2	12.1	6.0	2.8	0	86
4	1350	A	1	23.1	20.9	1.5	0	85
4	1350	B	2	34.2	17.3	3.8	0	76
4	1350	C	2	18.3	12.6	2.1	0	78
4	1350	D	0	25.4	37.5	0.8	0	50
4	1360	A	0	21.9	30.8	0.8	0	52
4	1360	B	3	25.7	7.2	7.7	0	73
4	1360	C	3	20.9	6.3	6.5	0	94
4	1360	D	2	21.7	10.4	3.5	0	70
4	1370	A	2	20.7	14.4	2.1	0	76
4	1370	B	3	26.8	10.7	4.9	0	91
4	1370	C	3	31.5	9.1	7.9	0	97
4	1370	D	0	21.8	30.4	0.8	0	49
4	1380	A	0	19.3	34.7	0.5	0	50
4	1380	B	2	13.8	6.3	3.3	0	78
4	1380	C	2	13.2	5.8	3.4	0	88
4	1390	A	1	14.2	11.2	1.5	0	93
4	1390	B	2	13.3	8.0	2.2	0	104
4	1400	A	2	30.5	16.3	3.4	0	58
4	1400	B	2	34.1	24.8	2.4	0	57
4	1400	C	2	34.3	22.3	2.7	0	57
4	1400	D	2	23.8	15.3	2.4	0	62
4	1400	E	0	5.3	6.2	0.6	0	61
4	1410	A	2	16.6	8.8	2.8	0	120
4	1410	B	3	21.4	9.0	4.2	0	124
4	1410	C	2	17.7	8.6	3.3	0	110
4	1420	A	2	24.6	13.3	3.1	0	79
4	1420	B	3	32.9	15.3	4.2	0	85
4	1420	C	2	23.3	11.7	3.4	0	81

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4	1430	A	2	36.4	25.1	2.6	0	93
4	1430	B	1	20.1	15.0	1.9	0	89
4	1430	C	1	25.6	29.2	1.2	0	60
4	1440	A	1	29.2	31.5	1.3	0	70
4	1440	B	1	43.1	40.7	1.8	0	61
7	1451	A	2	19.5	12.5	2.3	0	94
7	1451	B	2	21.8	13.9	2.4	0	94
7	1451	C	1	15.9	13.4	1.5	0	77
7	1451	D	1	13.4	9.0	1.9	0	84
7	1451	E	2	16.2	9.7	2.4	0	82
7	1451	F	2	20.2	13.7	2.1	0	71
7	1451	G	1	16.7	19.4	1.0	0	72
7	1460	A	0	24.5	38.1	0.7	0	53
7	1460	B	0	32.8	58.1	0.7	0	46
7	1460	C	0	14.7	19.3	0.8	0	64
7	1460	D	1	8.4	6.2	1.4	0	77
7	1470	A	0	18.5	28.6	0.7	0	72
7	1470	B	1	19.3	23.0	1.0	0	81
7	1470	C	0	12.2	14.4	0.8	0	75
7	1470	D	1	19.1	20.8	1.1	0	90
7	1470	E	1	8.5	6.5	1.3	0	147
7	1470	F	2	20.9	13.6	2.3	0	67
7	1470	G	0	29.3	42.9	0.9	0	50
7	1480	A	1	17.8	17.3	1.3	0	60
7	1480	B	2	44.2	28.7	3.0	0	45
7	1480	C	2	41.8	23.0	3.6	0	55
7	1480	D	2	29.3	19.0	2.6	0	54
7	1490	A	2	20.5	11.8	2.7	0	130
7	1490	B	2	25.8	12.9	3.5	0	110
7	1490	C	2	14.5	8.3	2.4	0	96
7	1490	D	1	19.1	15.5	1.7	0	63
7	1490	E	0	21.2	33.3	0.7	0	56
7	1490	F	0	26.6	47.1	0.6	0	46
8	1530	A	3	15.1	5.5	4.6	0	106
8	1530	B	3	20.9	7.1	5.5	0	88
8	1530	C	3	22.2	9.5	4.1	0	73
8	1530	D	3	32.7	14.6	4.4	0	62

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FLIGHT	LINE	ANOMALY	CATEGORY	AMPLITUDE (PPM) INPHASE	AMPLITUDE (PPM) QUAD.	CONDUCTOR CTP MHOS	CONDUCTOR DEPTH MTRS	BIRD HEIGHT MTRS
8	1530	E	2	25.9	16.3	2.6	0	58
8	1540	A	0	19.7	28.8	0.7	0	51
8	1540	B	1	23.4	19.8	1.7	0	57
8	1540	C	2	32.5	21.3	2.7	0	52
8	1540	D	1	34.5	30.2	1.8	0	49
8	1540	E	1	26.6	21.5	1.9	0	59
7	1560	A	1	22.0	17.6	1.8	0	61
7	1570	A	1	25.7	21.8	1.7	0	46
7	1580	A	2	32.3	18.9	3.1	0	54
7	1580	B	2	22.6	15.6	2.2	0	58
7	1580	C	2	18.6	9.4	3.1	0	66
7	1591	A	2	21.3	13.7	2.4	0	56
7	1591	B	1	20.3	18.4	1.5	0	58
7	1591	C	2	19.6	12.6	2.3	0	63
7	1600	A	2	23.8	16.6	2.2	0	65
7	1600	B	1	29.4	27.4	1.6	0	58
7	1600	C	1	27.1	21.7	1.9	0	60
7	1600	D	2	37.4	29.2	2.2	0	56
7	1600	E	0	16.7	23.3	0.7	0	54
7	1600	F	1	22.7	19.2	1.7	0	53
7	1600	G	2	21.3	12.2	2.8	0	57
7	1610	A	2	22.6	14.7	2.4	0	55
7	1610	B	1	19.3	16.9	1.5	0	53
7	1610	C	0	12.9	15.9	0.8	0	59
7	1610	D	1	25.0	22.4	1.6	0	58
7	1610	E	1	21.5	20.0	1.4	0	58
7	1610	F	2	21.4	14.1	2.3	0	69
7	1610	G	2	57.7	48.5	2.3	0	52
7	1620	A	3	47.0	20.8	5.1	0	70
7	1620	B	3	48.1	16.4	7.1	0	68
7	1620	C	2	47.3	26.5	3.7	0	59
7	1620	D	3	54.4	29.8	4.0	0	58
7	1620	E	1	12.8	13.1	1.0	0	60
7	1620	F	0	21.8	31.1	0.8	0	59
7	1620	G	1	26.3	28.4	1.3	0	58
7	1620	H	2	16.4	10.5	2.2	0	85
7	1620	J	2	26.7	15.2	3.0	0	78

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FLIGHT	LINE	ANOMALY	CATEGORY	AMPLITUDE (PPM) INPHASE	AMPLITUDE (PPM) QUAD.	CONDUCTOR CTP MHOS	CONDUCTOR DEPTH MTRS	BIRD HEIGHT MTRS
7	1630	A	1	19.0	15.7	1.6	0	58
7	1630	B	1	27.6	22.7	1.9	0	56
7	1630	C	1	21.5	21.9	1.3	0	49
7	1630	D	0	12.2	16.7	0.7	0	55
7	1630	E	2	33.7	16.9	3.8	0	75
7	1630	F	3	55.1	19.0	7.3	0	66
7	1630	G	3	64.4	24.8	6.7	0	55
7	1630	H	3	58.3	26.8	5.1	0	54
7	1630	J	2	25.9	17.1	2.4	0	73
7	1640	A	4	105.9	36.0	9.0	0	64
7	1640	B	3	47.9	23.6	4.4	0	65
7	1640	C	2	37.3	24.3	2.8	0	68
7	1640	D	1	19.7	21.6	1.1	0	64
7	1640	E	1	16.6	11.8	1.9	0	87
7	1640	F	2	22.7	12.5	3.0	0	90
7	1640	G	2	26.9	21.1	2.0	0	57
7	1640	H	1	32.4	30.6	1.6	0	46
7	1650	A	2	19.0	8.9	3.5	0	82
7	1650	B	2	21.0	13.7	2.3	0	66
7	1650	C	0	18.0	22.4	0.9	0	48
7	1650	D	0	8.3	10.5	0.6	0	56
7	1650	E	3	48.7	16.9	7.0	0	58
7	1650	F	3	38.1	12.7	6.9	0	73
7	1660	A	3	12.2	3.5	5.9	0	81
7	1660	B	0	6.8	7.7	0.7	0	93
7	1660	C	1	16.1	16.7	1.1	0	97
7	1660	D	1	33.8	32.7	1.6	0	79
7	1660	E	2	51.9	36.9	2.8	0	65
7	1660	F	2	59.8	47.4	2.5	0	64
7	1660	G	2	22.6	10.4	3.8	0	69
7	1670	A	1	6.7	5.4	1.1	0	72
7	1670	B	2	16.9	7.4	3.7	0	62
7	1670	C	1	10.8	10.9	1.0	0	68
7	1680	A	2	17.6	9.3	2.9	0	106
7	1680	B	1	17.4	13.7	1.7	0	89
7	1680	C	1	36.2	40.2	1.4	0	75
7	1680	D	1	30.7	34.7	1.3	0	62
7	1680	E	2	51.4	46.3	2.0	0	54
7	1680	F	2	62.5	55.9	2.2	0	50

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7	1680	G	2	30.1	23.6	2.0	0	63
7	1680	H	1	20.6	16.1	1.8	0	58
7	1680	J	0	16.1	29.0	0.5	0	52
7	1690	A	1	14.2	10.6	1.7	0	73
7	1690	B	2	13.8	7.8	2.4	0	72
7	1690	C	2	15.6	8.2	2.8	0	87
7	1690	D	2	15.1	9.8	2.1	0	94
6	1700	A	3	35.9	14.2	5.4	0	80
6	1700	B	3	37.3	11.9	7.2	0	94
6	1700	C	3	30.3	14.1	4.1	0	79
6	1700	D	1	26.2	20.8	1.9	0	56
6	1710	A	1	16.6	16.3	1.2	0	63
6	1710	B	2	17.0	11.5	2.0	0	64
6	1710	C	2	61.8	36.4	3.8	0	50
6	1710	D	2	46.4	34.3	2.6	0	47
6	1710	E	2	27.0	15.9	2.9	0	62
6	1710	F	1	21.1	21.8	1.2	0	54
6	1711	A	0	0.0	0.0	0.0	0	0
6	1711	B	0	0.0	0.0	0.0	0	0
6	1720	A	1	40.6	40.3	1.7	0	64
6	1720	B	2	50.4	29.0	3.6	0	70
6	1720	C	2	27.2	14.5	3.3	0	80
6	1720	D	2	29.4	18.5	2.7	0	77
6	1730	A	2	17.4	8.7	3.1	0	87
6	1730	B	2	22.3	12.4	2.9	0	74
6	1730	C	2	23.2	14.7	2.5	0	61
6	1730	D	2	30.5	19.4	2.7	0	60
6	1740	A	3	46.4	14.7	7.8	0	63
6	1740	B	2	25.9	12.4	3.7	0	83
6	1740	C	2	35.3	19.0	3.6	0	79
6	1740	D	2	32.3	23.1	2.4	0	68
6	1740	E	1	27.7	23.1	1.8	0	62
6	1740	F	2	17.0	10.6	2.3	0	87
6	1750	A	2	35.8	20.7	3.3	0	66
6	1750	B	3	44.7	19.3	5.1	0	62
6	1750	C	3	46.2	19.2	5.5	0	62
6	1750	D	3	49.4	18.2	6.5	0	59

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6	1750	E	3	54.7	24.0	5.3	0	51
6	1750	F	2	35.7	21.0	3.2	0	48
6	1750	G	3	68.9	24.6	7.5	0	54
6	1750	H	1	38.2	36.6	1.7	0	48
6	1760	A	2	25.4	15.6	2.7	0	64
6	1760	B	2	24.3	16.2	2.3	0	69
6	1760	C	1	15.4	11.9	1.6	0	66
6	1760	D	1	14.1	12.3	1.3	0	66
6	1770	A	0	8.3	8.1	0.9	0	57
6	1770	B	2	10.9	6.7	2.0	0	69
6	1770	C	2	13.8	8.3	2.2	0	78
6	1780	A	1	29.8	29.5	1.5	0	93
6	1780	B	3	23.7	10.5	4.0	0	107
6	1790	A	2	14.8	7.9	2.7	0	67
6	1790	B	1	17.6	15.8	1.4	0	49
6	1790	C	0	5.7	5.2	0.9	25	42
5	1800	A	2	19.1	13.7	2.0	0	60
5	1800	B	1	18.3	19.4	1.1	8	33
5	1811	A	1	12.4	11.1	1.2	0	61
5	1811	B	1	13.9	12.7	1.2	0	55
5	1811	C	1	10.8	9.3	1.2	0	59
5	1811	D	2	10.8	4.6	3.3	0	79
5	1820	A	2	30.6	19.8	2.7	0	64
5	1820	B	2	15.9	10.1	2.2	0	61
5	1831	A	2	17.8	9.2	3.0	0	62
5	1831	B	2	26.3	14.3	3.2	0	67
5	1831	C	2	29.5	16.5	3.2	0	57
5	1831	D	2	38.2	28.8	2.3	0	44
5	1831	E	1	12.2	12.2	1.0	0	56
5	1831	F	1	21.5	20.3	1.4	0	50
5	1840	A	1	14.5	10.1	1.9	0	78
5	1840	B	2	20.7	13.8	2.2	0	85
5	1840	C	2	27.3	18.8	2.3	0	78
5	1840	D	2	20.7	13.7	2.2	0	83
5	1840	E	2	20.5	12.9	2.4	0	77
5	1840	F	2	25.8	14.4	3.1	0	55

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5	1850	A	2	17.8	12.5	2.0	0	67
5	1850	B	2	25.4	19.4	2.0	0	57
5	1850	C	2	19.6	12.9	2.2	0	62
5	1860	B	2	19.0	11.0	2.6	0	71
5	1860	C	1	26.4	30.8	1.1	0	57
5	1870	A	2	58.6	43.6	2.7	0	49
5	1870	B	2	17.2	8.5	3.1	0	69
5	1880	A	1	42.6	45.8	1.5	0	50
5	1880	B	1	30.8	26.4	1.8	0	53
5	1880	C	0	19.8	33.3	0.6	0	54
5	1880	D	1	13.4	11.2	1.4	0	63
5	1880	E	1	15.8	11.1	1.9	0	60
5	1880	F	2	26.8	17.1	2.6	0	59
5	1880	G	1	33.9	33.4	1.6	0	48
5	1890	A	1	22.4	26.3	1.1	0	74
5	1890	B	1	15.8	17.2	1.0	0	87
5	1890	C	0	20.2	31.2	0.7	0	58
5	1890	D	0	17.0	25.1	0.7	0	58
5	1890	E	2	33.4	17.1	3.7	0	67
5	1890	F	2	31.8	16.2	3.7	0	65
8	1900	A	2	30.6	23.7	2.1	0	55
8	1900	B	2	34.3	24.7	2.4	0	60
8	1900	C	1	20.3	20.6	1.3	0	52
8	1900	D	0	11.0	15.6	0.6	0	54
8	1900	E	0	9.4	12.9	0.6	0	55
8	1920	A	1	29.2	27.8	1.6	0	61
8	1920	B	1	19.3	20.0	1.2	0	49
8	1920	C	0	13.7	25.5	0.4	0	46
8	1930	A	1	11.9	9.7	1.4	0	98
8	1930	B	0	8.0	10.0	0.6	0	101
8	1940	A	1	31.5	27.8	1.8	0	55
8	1940	B	0	6.9	12.9	0.3	0	60
8	1940	C	0	12.6	16.7	0.7	0	53
8	1950	A	0	6.9	12.3	0.3	0	94
8	1950	B	2	29.2	22.7	2.0	0	58

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8	1950	C	2	28.9	19.8	2.4	0	57
8	1950	D	1	31.5	27.9	1.8	0	55
8	1960	A	0	19.2	23.5	0.9	0	56
8	1960	B	1	28.5	32.2	1.2	0	51
8	1960	C	1	35.3	35.1	1.6	0	50
8	1960	D	2	20.6	10.9	3.0	0	67
8	1960	E	2	22.3	14.1	2.5	0	58
8	1971	A	1	41.5	40.3	1.7	0	50
8	1971	B	0	23.3	31.7	0.9	0	51
8	1971	C	2	23.3	10.6	3.9	0	79
8	1971	D	2	23.9	13.4	3.0	0	65
8	1980	A	2	37.0	25.4	2.6	0	58
8	1980	B	1	40.9	40.3	1.7	0	53
8	1990	A	2	63.4	54.0	2.4	0	48
8	1990	B	2	46.5	40.3	2.1	0	51
8	1990	C	3	39.3	14.7	6.0	0	74
8	1990	D	3	46.7	17.6	6.2	0	70
8	1990	E	3	55.4	19.1	7.4	0	69
8	1990	F	3	65.2	28.3	5.7	0	69
8	1990	G	3	67.3	23.3	7.8	0	66
8	1990	H	3	61.4	22.9	6.8	0	62
8	2000	A	2	96.7	76.1	3.0	0	56
8	2000	B	3	83.0	45.9	4.5	0	53
8	2000	C	2	68.3	42.8	3.6	0	52
8	2000	D	1	53.2	55.3	1.7	0	47
8	2000	E	2	54.4	40.7	2.7	0	54
8	2000	F	3	142.2	76.7	5.5	0	47
8	2000	G	3	65.1	23.2	7.4	0	53
8	2010	A	2	19.8	12.0	2.5	0	55
8	2010	B	3	20.8	8.7	4.2	0	66
8	2010	C	3	16.4	6.3	4.3	0	68
8	2010	D	1	19.5	19.5	1.3	0	57
8	2010	E	1	13.3	13.6	1.1	0	65
8	2010	F	1	15.7	14.8	1.2	0	67
8	2020	A	1	33.3	38.3	1.3	0	50
8	2020	B	1	21.8	18.9	1.6	0	53
8	2020	C	2	58.0	43.3	2.7	0	405
8	2020	D	1	22.3	19.5	1.6	0	61

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8	2020	E	2	28.8	22.2	2.1	0	61
8	2020	F	1	36.2	37.9	1.5	0	54
8	2030	A	2	70.5	48.5	3.2	0	53
8	2030	B	2	49.4	34.7	2.8	0	52
8	2030	C	0	10.6	13.7	0.7	0	68
8	2030	D	0	15.7	19.3	0.9	0	53
8	2030	E	0	12.7	14.4	0.9	0	61
8	2040	A	1	57.8	70.9	1.4	0	42
8	2040	B	1	53.6	60.6	1.5	0	44
8	2040	C	2	18.4	12.9	2.0	0	53
8	2040	D	1	21.8	18.3	1.7	0	73
8	2040	E	2	24.7	18.6	2.0	0	53
8	2050	A	1	20.8	16.0	1.8	0	62
8	2050	B	0	7.4	9.4	0.6	0	52
8	2050	C	2	24.3	16.6	2.3	0	60
8	2060	A	2	32.7	22.2	2.5	0	58
8	2060	B	1	25.3	29.1	1.1	0	60
8	2060	C	2	13.6	8.3	2.2	0	95
8	2060	D	1	45.7	46.2	1.7	0	55
8	2060	E	2	32.6	22.4	2.5	0	62
8	2070	A	1	53.6	68.7	1.3	0	44
8	2070	B	2	37.2	19.8	3.7	0	54
8	2070	C	3	41.4	15.1	6.2	0	57
8	2070	D	2	67.8	39.6	3.9	0	56
8	2070	E	3	67.1	30.3	5.5	0	53
8	2070	F	2	45.1	26.2	3.5	0	56
8	2080	A	4	100.5	32.9	9.3	0	48
8	2080	B	3	111.7	42.9	7.9	0	50
8	2080	C	3	121.7	47.6	7.9	0	50
8	2080	D	4	100.0	32.9	9.3	0	52
8	2080	E	3	51.4	18.8	6.7	0	56
8	2080	F	2	34.0	19.2	3.3	0	64
8	2080	G	1	40.1	41.9	1.5	0	57
8	2090	A	1	34.8	49.6	1.0	0	49
8	2090	B	2	32.5	16.9	3.6	0	54
8	2090	C	3	39.9	19.0	4.3	0	69
8	2090	D	3	75.4	37.1	5.1	0	54
8	2090	E	4	85.3	29.1	8.5	0	50

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FLIGHT	LINE	ANOMALY	CATEGORY	AMPLITUDE (PPM) INPHASE	AMPLITUDE (PPM) QUAD.	CONDUCTOR CTP MHOS	CONDUCTOR DEPTH MTRS	BIRD HEIGHT MTRS
8	2100	A	2	37.1	26.6	2.5	0	70
8	2100	B	1	19.6	18.4	1.4	0	79
8	2100	C	2	21.2	14.2	2.2	0	61
10	2110	A	1	27.3	29.8	1.3	0	60
10	2120	A	2	17.8	8.7	3.2	0	131
10	2130	A	0	24.5	47.4	0.5	0	44
10	2140	A	1	57.4	72.4	1.4	0	53
10	2150	A	1	13.3	13.5	1.1	0	61
10	2160	A	1	27.2	27.2	1.4	0	64
10	2170	A	0	30.8	56.4	0.7	0	48
10	2170	B	0	24.9	37.2	0.8	0	53
10	2170	C	3	33.7	13.7	5.1	0	66
10	2170	D	3	51.4	26.8	4.2	0	47
10	2170	E	3	42.1	17.5	5.3	0	72
10	2180	A	5	19.6	2.2	24.1	0	142
10	2180	B	1	19.5	15.5	1.7	0	78
10	2190	A	1	22.8	23.3	1.3	0	64
10	2190	B	2	28.7	14.0	3.8	0	60
10	2190	C	3	126.2	51.6	7.5	0	49
10	2200	A	3	37.6	18.1	4.2	0	1204
10	2211	A	2	24.8	12.1	3.6	0	69
10	2211	B	3	49.7	25.0	4.3	0	60
10	2211	C	3	71.3	38.6	4.4	0	48
10	2222	A	0	0.0	0.0	0.0	0	0
9	2240	A	2	22.4	10.5	3.7	0	129
9	2250	A	0	15.5	37.2	0.3	0	49
9	2250	B	0	18.8	37.7	0.5	0	53
9	2250	C	1	32.1	33.0	1.5	0	49
9	2250	D	1	24.9	24.8	1.4	0	51
9	2250	E	1	33.3	34.7	1.4	0	51

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FLIGHT	LINE	ANOMALY	CATEGORY	AMPLITUDE (PPM) INPHASE	AMPLITUDE (PPM) QUAD.	CONDUCTOR CTP MHOS	CONDUCTOR DEPTH MTRS	BIRD HEIGHT MTRS
9	2250	F	2	57.8	39.3	3.1	0	48
9	2250	G	3	63.9	36.3	4.0	0	57
9	2260	A	4	51.6	16.1	8.2	0	84
9	2260	B	3	47.8	17.5	6.5	0	82
9	2260	C	0	19.1	38.6	0.5	0	53
9	2280	A	0	9.5	19.8	0.3	0	60
9	2290	A	3	68.3	28.4	6.1	0	44
9	2320	A	0	6.5	22.6	0.1	0	43
9	2330	A	0	23.7	38.1	0.7	0	45
9	2340	A	0	12.8	17.9	0.7	0	68

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FLIGHT	LINE	ANOMALY	CATEGORY	AMPLITUDE (PPM) INPHASE	AMPLITUDE (PPM) QUAD.	CONDUCTOR CTP MHOS	CONDUCTOR DEPTH MTRS	BIRD HEIGHT MTRS
1	10	A	3	49.7	19.1	6.2	0	64
1	10	B	3	67.2	31.3	5.3	0	57
1	10	C	3	65.4	36.9	4.1	0	53
1	20	A	3	250.7	160.6	5.2	0	76
1	20	B	3	238.9	134.6	6.0	0	79
1	20	C	4	202.2	71.0	10.4	0	86
1	20	D	3	112.9	52.9	6.1	0	88
1	20	E	3	49.5	21.3	5.3	0	101
1	20	F	3	20.6	7.5	5.1	0	67
1	20	G	2	19.7	8.8	3.8	0	62
1	20	H	1	15.7	10.8	1.9	0	61
1	20	J	0	6.1	8.0	0.5	0	58
1	20	K	3	45.8	20.6	4.9	0	57
1	20	M	3	54.0	24.2	5.2	0	60
1	20	N	3	44.3	14.9	7.1	0	58
1	30	A	1	21.8	16.7	1.9	0	69
1	30	B	2	37.5	20.8	3.5	0	62
1	30	C	2	28.7	15.1	3.4	0	58
1	30	D	1	24.5	20.3	1.8	0	56
1	30	E	3	25.4	10.7	4.5	0	77
1	31	A	2	26.6	18.6	2.3	0	58
1	31	B	4	60.2	18.4	8.8	0	67
1	31	C	4	83.4	24.5	10.2	0	61
1	31	D	4	160.7	51.5	11.0	0	54
1	40	A	4	109.0	37.5	9.0	0	107
1	40	B	4	115.3	34.8	10.8	0	94
1	40	C	3	73.0	32.0	5.8	0	104
1	40	D	2	36.3	24.8	2.6	0	106
1	40	E	2	18.0	8.5	3.4	0	67
1	40	F	1	13.4	9.3	1.8	0	65
1	40	G	0	6.6	8.1	0.6	0	77
1	40	H	2	18.5	10.7	2.6	0	76
1	40	J	1	21.4	19.4	1.5	0	59
1	40	K	2	33.4	26.6	2.1	0	53
1	40	M	1	19.8	15.9	1.7	0	54
1	50	A	1	11.5	8.0	1.7	0	64
1	50	B	2	15.4	10.0	2.1	0	68
1	50	C	2	16.5	7.3	3.6	0	69
1	50	D	2	13.8	8.3	2.2	0	65

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FLIGHT	LINE	ANOMALY	CATEGORY	AMPLITUDE (PPM) INPHASE	AMPLITUDE (PPM) QUAD.	CONDUCTOR CTP MHOS	CONDUCTOR DEPTH MTRS	BIRD HEIGHT MTRS
1	50	E	1	13.0	11.7	1.2	0	63
1	50	F	3	22.9	8.0	5.5	0	71
1	50	G	2	20.4	9.9	3.4	0	76
1	60	A	5	183.8	41.9	17.7	0	73
1	60	B	1	20.4	18.8	1.4	0	132
1	60	C	1	20.0	20.8	1.2	0	120
1	60	D	1	17.8	13.8	1.7	0	109
1	60	E	3	16.0	6.0	4.5	0	85
1	60	F	1	12.6	11.1	1.3	0	71
1	60	G	2	20.2	9.9	3.4	0	73
1	60	H	2	21.0	12.1	2.7	0	67
1	60	J	2	21.8	11.8	3.0	0	63
1	60	K	2	28.7	15.2	3.4	0	55
1	70	A	2	24.9	13.4	3.2	0	56
1	70	B	1	18.7	13.9	1.9	0	60
1	70	C	3	24.2	11.0	4.0	0	66
1	70	D	2	23.2	12.0	3.3	0	63
1	70	E	1	13.9	10.8	1.6	0	56
1	70	F	1	12.3	11.2	1.2	0	65
1	70	G	1	12.4	8.0	1.9	0	79
1	70	H	1	14.6	13.7	1.2	0	64
1	71	A	3	98.7	47.3	5.7	0	47
1	80	A	3	169.6	104.4	4.9	0	95
1	80	B	2	42.1	23.7	3.5	0	126
1	80	C	3	30.3	11.4	5.5	0	138
1	80	D	1	15.7	11.2	1.8	0	134
1	80	E	1	5.3	4.3	1.0	0	80
1	80	F	1	8.3	7.4	1.0	0	72
1	80	G	2	32.7	22.7	2.5	0	62
1	80	H	2	29.8	18.1	2.9	0	65
1	80	J	2	36.4	27.8	2.3	0	54
1	80	K	2	51.4	32.2	3.3	0	49
1	90	A	3	96.0	53.2	4.7	0	67
1	90	B	2	119.5	98.6	3.0	0	71
1	90	C	2	133.2	149.9	2.1	0	76
1	90	D	2	100.6	87.8	2.7	0	88
1	90	E	2	17.1	9.7	2.6	0	118
1	90	F	1	10.7	6.8	1.9	0	72
1	90	G	1	9.8	7.5	1.4	0	76
1	90	H	2	45.8	26.4	3.5	0	64

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FLIGHT	LINE	ANOMALY	CATEGORY	AMPLITUDE (PPM) INPHASE	AMPLITUDE (PPM) QUAD.	CONDUCTOR CTP MHOS	CONDUCTOR DEPTH MTRS	BIRD HEIGHT MTRS
1	90	J	2	44.6	25.4	3.6	0	62
1	90	K	2	40.7	27.5	2.8	0	57
1	90	M	2	31.3	22.2	2.4	0	55
1	100	A	1	20.2	16.9	1.6	0	96
1	100	B	2	36.0	28.7	2.1	0	102
1	100	C	4	53.7	15.7	9.0	0	120
1	100	D	3	37.2	12.4	6.8	0	121
1	100	E	2	10.6	6.4	2.0	0	78
1	100	F	1	13.3	9.1	1.8	0	60
1	100	G	3	29.7	13.1	4.4	0	62
1	100	H	3	37.3	17.6	4.3	0	67
1	100	J	3	38.4	17.7	4.5	0	64
1	110	A	2	11.2	5.8	2.5	0	82
1	110	B	2	24.2	15.6	2.5	0	68
1	110	C	2	16.6	10.1	2.3	0	72
1	110	D	0	6.8	8.6	0.6	0	75
1	111	A	0	5.7	5.0	0.9	0	111
1	111	B	1	8.5	6.3	1.4	0	107
1	111	C	2	22.3	11.0	3.4	0	86
1	111	D	2	23.8	14.2	2.7	0	71
1	111	E	2	13.8	8.8	2.0	0	84
1	120	A	2	16.6	8.0	3.2	0	77
1	120	B	0	24.6	53.4	0.5	0	91
1	120	C	1	52.3	60.9	1.5	0	103
1	120	D	2	45.3	28.8	3.1	0	114
1	120	E	2	31.2	22.8	2.3	0	101
1	120	F	3	15.0	5.0	5.1	0	80
1	120	G	3	18.2	6.3	5.2	0	78
1	120	H	0	7.6	12.0	0.4	0	72
1	120	J	1	14.5	10.9	1.7	0	66
1	120	K	2	30.6	22.1	2.3	0	66
1	120	M	2	20.2	11.3	2.8	0	73
1	120	N	2	24.2	15.1	2.6	0	63
1	130	A	1	11.5	8.4	1.6	0	74
1	130	B	2	12.5	6.7	2.5	0	66
1	130	C	0	8.1	12.0	0.5	0	78
1	130	D	2	20.1	9.0	3.8	0	71
1	130	E	3	20.7	7.8	4.8	0	75
1	130	F	1	18.6	21.6	1.0	0	53
1	130	G	2	17.0	9.0	2.8	0	78

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FLIGHT	LINE	ANOMALY	CATEGORY	AMPLITUDE (PPM) INPHASE	AMPLITUDE (PPM) QUAD.	CONDUCTOR CTP MHOS	CONDUCTOR DEPTH MTRS	BIRD HEIGHT MTRS
1	140	A	3	17.7	7.1	4.2	0	74
1	140	B	1	20.2	16.2	1.7	0	116
1	140	C	2	35.9	26.0	2.4	0	94
1	140	D	3	43.5	18.0	5.4	0	64
1	140	E	3	31.7	14.7	4.2	0	65
1	140	F	1	8.8	6.3	1.5	0	76
1	140	G	3	24.6	8.5	5.8	0	61
1	140	H	2	26.8	17.1	2.6	0	65
1	140	J	2	30.8	15.2	3.8	0	67
1	140	K	2	28.4	17.3	2.8	0	56
1	150	A	2	43.1	24.6	3.5	0	54
1	150	B	2	35.3	18.3	3.7	0	63
1	150	C	2	18.7	11.6	2.4	0	70
1	150	D	2	18.8	8.8	3.5	0	67
1	150	E	2	16.7	7.7	3.4	0	65
1	150	F	3	19.0	7.3	4.6	0	88
1	150	G	3	18.8	5.8	6.1	0	88
1	150	H	2	22.2	15.3	2.2	0	77
1	150	J	1	17.3	12.1	1.9	0	60
1	150	K	3	26.8	11.6	4.4	0	88
1	150	M	3	47.1	23.0	4.4	0	55
1	150	N	3	61.4	30.8	4.6	0	53
1	160	A	2	62.9	45.4	2.9	0	70
1	160	B	3	54.0	29.3	4.0	0	81
1	160	C	3	31.5	12.0	5.4	0	121
1	160	D	3	35.1	15.8	4.5	0	63
1	160	E	2	40.2	22.7	3.5	0	60
1	160	F	2	55.6	38.8	2.9	0	77
1	160	G	3	57.0	18.6	7.9	0	63
1	160	H	3	55.7	18.7	7.6	0	59
1	160	J	3	43.6	19.9	4.7	0	57
1	160	K	1	11.9	7.8	1.9	0	71
1	160	M	3	34.3	16.3	4.2	0	56
1	160	N	3	32.9	15.5	4.1	0	63
1	170	A	2	37.5	20.4	3.6	0	60
1	170	B	2	18.4	10.5	2.6	0	71
1	170	C	2	20.3	12.0	2.6	0	64
1	170	D	1	15.6	13.0	1.5	0	58
1	170	E	0	4.3	5.4	0.5	0	77
1	170	F	3	17.3	7.1	4.1	0	72
1	170	G	3	17.3	7.0	4.1	0	78

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FLIGHT	LINE	ANOMALY	CATEGORY	AMPLITUDE (PPM) INPHASE	AMPLITUDE (PPM) QUAD.	CONDUCTOR CTP MHOS	CONDUCTOR DEPTH MTRS	BIRD HEIGHT MTRS
1	170	H	2	17.9	9.8	2.8	0	74
1	170	J	3	21.9	8.8	4.6	0	78
1	170	K	2	29.2	14.6	3.7	0	78
1	170	M	2	29.8	16.1	3.4	0	69
1	180	A	3	42.9	17.5	5.5	0	70
1	180	B	3	62.6	33.5	4.3	0	59
1	180	C	3	58.2	30.8	4.3	0	56
1	180	D	3	46.4	21.3	4.8	0	57
1	180	E	3	75.7	35.0	5.5	0	51
1	180	F	3	97.3	53.1	4.8	0	51
1	180	G	2	67.4	44.1	3.4	0	55
1	180	H	2	36.0	26.1	2.4	0	51
1	180	J	2	45.9	24.8	3.8	0	50
1	180	K	0	10.8	12.7	0.8	0	50
1	180	M	2	29.3	23.2	2.0	0	50
1	180	N	2	48.5	32.0	3.0	0	47
1	180	O	2	55.9	41.0	2.8	0	51
1	180	P	2	27.4	14.3	3.4	0	59
1	180	Q	3	49.8	19.8	5.9	0	57
1	190	A	2	37.2	22.5	3.1	0	48
1	190	B	1	18.1	15.3	1.5	0	48
1	190	C	2	27.4	17.2	2.7	0	53
1	190	D	2	42.1	22.1	3.9	0	53
1	190	E	2	29.4	21.1	2.3	0	52
1	190	F	1	9.9	9.2	1.1	0	56
1	190	G	3	14.4	4.2	6.2	0	63
1	190	H	4	15.3	3.3	9.2	0	68
1	190	J	4	14.8	3.2	9.2	0	70
1	190	K	3	14.4	3.8	7.1	0	70
1	190	M	2	9.7	5.0	2.4	2	63
1	190	N	1	9.6	7.6	1.3	0	62
1	200	A	4	52.5	15.9	8.6	0	65
1	200	B	4	52.3	15.9	8.5	0	53
1	200	C	4	53.3	13.1	11.3	0	59
1	200	D	4	66.1	14.4	14.1	0	67
1	200	E	3	85.2	33.5	7.0	0	61
1	200	F	3	63.7	29.7	5.2	0	61
1	200	G	3	45.2	21.2	4.6	0	62
1	200	H	1	17.9	16.0	1.4	0	55
1	200	J	0	11.7	16.3	0.6	0	53
1	200	K	1	13.6	9.3	1.9	0	66
1	200	M	2	12.4	6.3	2.7	0	70

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FLIGHT	LINE	ANOMALY	CATEGORY	AMPLITUDE (PPM) INPHASE	AMPLITUDE (PPM) QUAD.	CONDUCTOR CTP MHOS	CONDUCTOR DEPTH MTRS	BIRD HEIGHT MTRS
1	200	N	3	15.3	6.1	4.0	0	68
1	200	O	3	28.6	11.4	5.0	0	60
1	210	A	3	61.9	23.2	6.8	0	56
1	210	B	3	26.4	9.3	5.7	0	61
1	210	C	2	21.1	10.8	3.2	0	55
1	210	D	2	19.0	11.8	2.4	0	55
1	210	E	0	7.3	9.1	0.6	0	54
1	210	F	3	39.3	19.6	4.1	0	60
1	210	G	3	50.5	25.6	4.3	0	57
1	210	H	3	57.6	26.3	5.1	0	61
1	210	J	3	66.5	31.8	5.1	0	53
1	210	K	3	35.0	14.0	5.3	0	68
1	220	B	3	74.3	33.4	5.7	0	55
1	220	C	2	126.4	97.8	3.3	0	69
1	220	D	3	103.9	66.2	4.0	0	68
1	220	E	2	63.3	42.6	3.2	0	58
1	220	F	2	22.1	12.7	2.8	0	54
1	220	G	2	31.1	19.1	2.9	0	55
1	220	H	3	49.3	25.5	4.2	0	50
1	220	J	3	33.7	15.2	4.4	0	50
1	220	K	3	57.5	25.8	5.3	0	50
1	230	A	2	22.4	12.1	3.1	0	57
1	230	B	3	43.2	18.5	5.1	0	49
1	230	C	3	73.0	33.4	5.5	0	50
1	230	D	2	42.7	23.6	3.7	0	64
1	230	E	2	28.5	15.8	3.2	0	67
1	230	F	2	82.2	55.6	3.5	0	46
1	230	G	2	91.3	79.8	2.6	0	41
1	230	H	2	92.2	59.1	3.8	0	44
1	230	J	3	39.9	19.3	4.2	0	69
1	230	K	2	50.3	32.8	3.1	0	57
1	230	M	2	38.3	23.2	3.1	0	56
1	240	A	2	35.4	21.5	3.0	0	61
1	240	C	2	43.7	28.6	2.9	0	61
1	240	D	1	30.4	24.9	1.9	0	106
1	240	E	2	45.6	30.5	2.9	0	99
1	240	G	1	11.0	7.5	1.7	0	75
1	240	H	1	10.3	7.1	1.7	0	69
1	240	J	2	22.8	13.7	2.6	0	51
1	240	M	2	51.7	28.8	3.8	0	47
1	240	N	3	43.8	21.2	4.4	0	47

Estimated depth may be unreliable because the stronger part of the conductor may be deeper or to one side of the flight line, or because of a shallow dip or overburden effects.

J8843 - WLN

FLIGHT	LINE	ANOMALY	CATEGORY	AMPLITUDE (PPM) INPHASE	AMPLITUDE (PPM) QUAD.	CONDUCTOR CTP MHOS	CONDUCTOR DEPTH MTRS	BIRD HEIGHT MTRS
1	240	O	2	17.9	9.3	3.0	0	54
1	240	P	0	7.5	13.6	0.3	0	54
1	250	A	2	18.6	8.3	3.7	0	59
1	250	B	2	23.2	10.8	3.7	0	51
1	250	C	3	32.2	15.6	4.0	0	46
1	250	D	2	24.8	14.4	2.8	0	53
1	250	E	1	11.2	7.4	1.8	0	71
1	250	F	1	10.4	8.0	1.4	0	71
1	250	G	2	24.4	12.8	3.3	0	64
1	250	H	1	12.5	11.5	1.2	0	58
1	250	J	2	53.3	46.6	2.2	0	50
1	250	K	2	46.3	41.2	2.0	0	49
1	250	M	3	43.5	16.3	6.1	0	72
1	250	N	2	79.6	49.2	3.8	0	53
1	260	A	3	95.4	57.7	4.2	0	57
1	260	B	4	77.7	25.2	8.8	0	57
1	260	C	3	91.3	35.6	7.2	0	50
1	260	D	2	87.3	57.0	3.7	0	47
1	260	E	2	58.4	33.6	3.8	0	49
1	260	F	1	25.2	19.8	1.9	0	54
1	260	G	1	20.2	24.7	1.0	0	70
1	260	H	2	47.0	37.6	2.3	0	83
1	260	J	2	15.3	9.6	2.2	0	76
1	260	K	2	12.1	5.7	3.0	0	76
1	260	M	2	26.5	20.2	2.0	0	55
1	260	N	1	40.3	45.7	1.4	0	49
1	260	O	3	34.8	14.3	5.0	0	48
1	260	P	3	30.9	12.1	5.2	0	51
1	260	Q	3	28.6	11.5	4.9	0	56
1	270	A	2	34.6	25.6	2.3	0	42
1	270	B	1	47.6	63.7	1.2	0	41
1	270	C	2	58.7	55.8	2.0	0	42
1	270	D	1	55.5	66.3	1.5	0	45
1	270	E	2	22.5	15.2	2.3	0	53
1	270	F	2	12.6	7.4	2.2	0	70
1	270	G	1	9.4	5.8	1.9	0	79
1	270	H	2	17.1	9.4	2.7	0	74
1	270	J	1	32.8	29.9	1.7	0	46
1	270	K	1	39.5	36.9	1.8	0	44
1	270	M	2	53.1	33.7	3.3	0	56
1	270	N	3	58.1	20.4	7.3	0	70
1	270	O	3	52.4	23.4	5.1	0	62

Estimated depth may be unreliable because the stronger part of the conductor may be deeper or to one side of the flight line, or because of a shallow dip or overburden effects.

J8843 - WLN

FLIGHT	LINE	ANOMALY	CATEGORY	AMPLITUDE (PPM) INPHASE	AMPLITUDE (PPM) QUAD.	CONDUCTOR CTP MHOS	CONDUCTOR DEPTH MTRS	BIRD HEIGHT MTRS
1	280	A	3	78.5	40.1	4.9	0	76
1	280	B	3	68.4	37.4	4.3	0	83
1	280	C	4	63.8	19.8	8.8	0	74
1	280	D	3	72.6	31.6	5.9	0	59
1	280	E	2	70.0	46.8	3.3	0	76
1	280	F	2	83.7	66.3	2.8	0	80
1	280	G	2	79.4	62.3	2.8	0	79
1	280	H	2	32.8	23.8	2.3	0	85
1	280	K	2	18.5	12.9	2.0	0	68
1	280	M	1	33.3	32.5	1.6	0	51
1	280	N	1	60.6	59.2	1.9	0	47
1	280	O	1	62.3	73.2	1.5	0	46
1	280	P	0	48.2	87.1	0.8	0	47
1	290	A	0	34.3	54.6	0.8	0	53
1	290	B	1	49.8	79.1	1.0	0	51
1	290	C	0	49.5	79.1	0.9	0	50
1	290	D	1	58.5	60.4	1.8	0	46
1	290	E	2	70.4	62.9	2.3	0	47
1	290	F	2	21.6	15.6	2.0	0	55
1	290	G	3	71.8	32.0	5.7	0	50
1	290	H	3	199.2	113.6	5.6	0	42
1	290	J	3	158.6	100.8	4.6	0	43
1	300	A	3	125.9	61.0	6.0	0	92
1	300	B	3	141.9	72.9	5.8	0	87
1	300	C	3	184.6	80.0	7.8	0	64
1	300	D	3	95.7	38.8	7.0	0	76
1	300	E	3	54.5	18.3	7.6	0	99
1	300	F	2	14.9	6.2	3.8	0	97
1	300	G	3	27.4	12.0	4.3	0	60
1	300	H	2	40.3	28.4	2.6	0	54
1	300	J	0	35.0	58.2	0.8	0	51
1	310	A	0	6.3	25.1	0.1	0	47
1	310	B	0	26.2	66.2	0.4	0	47
1	310	C	1	25.5	26.8	1.3	0	60
1	310	D	2	20.2	9.2	3.7	0	64
1	310	E	2	17.8	8.2	3.5	0	65
1	310	F	1	7.8	6.8	1.0	0	83
1	310	G	4	54.5	14.9	9.9	0	73
1	310	H	4	104.1	32.7	10.0	0	53
1	310	J	4	125.8	43.3	9.4	0	48
1	310	K	3	97.0	40.3	6.8	0	49

Estimated depth may be unreliable because the stronger part of the conductor may be deeper or to one side of the flight line, or because of a shallow dip or overburden effects.

J8843 - WLN

FLIGHT	LINE	ANOMALY	CATEGORY	AMPLITUDE (PPM) INPHASE	AMPLITUDE (PPM) QUAD.	CONDUCTOR CTP MHOS	CONDUCTOR DEPTH MTRS	BIRD HEIGHT MTRS
1	310	M	3	104.5	51.5	5.6	0	45
1	320	A	3	65.5	24.5	6.9	0	109
1	320	B	4	90.5	31.6	8.4	0	114
1	320	C	4	76.1	18.0	13.2	0	123
1	320	D	4	53.6	10.8	14.7	0	128
1	320	E	3	23.9	10.3	4.2	0	102
1	320	F	1	14.0	10.7	1.6	0	74
1	320	G	2	22.3	14.3	2.4	0	61
1	320	H	2	25.4	12.2	3.7	0	58
1	320	J	2	29.1	23.1	2.0	0	55
1	320	K	1	32.2	34.5	1.4	0	52
1	320	M	1	31.6	28.8	1.7	0	49
1	320	N	0	5.9	12.8	0.2	0	45
1	330	A	0	5.3	15.8	0.1	0	50
1	330	B	2	29.2	19.0	2.6	0	51
1	330	C	1	29.0	27.1	1.6	0	51
1	330	D	2	28.5	22.6	2.0	0	51
1	330	E	1	29.4	24.1	1.9	0	53
1	330	F	1	30.1	26.3	1.8	0	53
1	330	G	1	17.3	20.2	1.0	0	55
1	330	H	1	14.5	12.0	1.5	0	59
1	330	J	1	19.9	14.9	1.9	0	61
1	330	K	0	9.9	16.6	0.4	0	55
1	330	M	1	15.1	14.6	1.2	0	54
1	330	N	2	36.8	24.1	2.8	0	57
1	330	O	2	49.6	27.0	3.9	0	53
1	330	P	4	81.4	23.1	10.6	0	60
1	330	Q	4	125.1	36.4	11.6	0	56
1	330	R	4	110.9	34.8	10.2	0	47
1	340	A	4	132.4	49.8	8.5	0	53
1	340	B	3	153.5	62.9	7.9	0	55
1	340	C	3	119.2	53.8	6.5	0	75
1	340	D	3	103.5	40.9	7.4	0	93
1	340	E	3	93.8	36.2	7.4	0	94
1	340	F	4	78.9	24.9	9.1	0	92
1	340	G	4	66.7	19.6	9.6	0	80
1	340	H	3	47.3	22.0	4.7	0	81
1	340	J	2	49.7	30.5	3.3	0	100
1	340	K	1	15.3	13.5	1.4	0	106
1	340	M	1	7.9	7.4	1.0	0	107
1	340	N	2	11.9	5.7	2.9	0	92
1	340	O	1	13.9	11.4	1.5	0	54

Estimated depth may be unreliable because the stronger part of the conductor may be deeper or to one side of the flight line, or because of a shallow dip or overburden effects.

J8843 - WLN

FLIGHT	LINE	ANOMALY	CATEGORY	AMPLITUDE (PPM) INPHASE	AMPLITUDE (PPM) QUAD.	CONDUCTOR CTP MHOS	CONDUCTOR DEPTH MTRS	BIRD HEIGHT MTRS
1	350	A	2	19.4	10.1	3.1	0	79
1	350	B	2	14.4	8.6	2.3	0	76
1	350	C	1	11.8	9.0	1.5	0	100
1	350	D	0	10.6	12.6	0.8	0	73
1	350	E	0	9.3	12.4	0.6	0	64
1	350	F	1	13.0	14.0	1.0	0	51
1	350	G	1	17.6	16.7	1.3	0	58
1	350	H	2	33.1	26.9	2.0	0	55
1	350	J	2	31.3	22.1	2.4	0	66
1	350	K	3	50.2	18.8	6.4	0	66
1	350	L	4	57.4	16.2	9.7	0	73
1	360	A	2	26.3	16.3	2.7	0	51
1	360	B	0	11.0	21.3	0.4	0	55
1	360	C	1	23.5	30.2	1.0	0	84
1	360	D	1	20.5	20.6	1.3	0	73
1	360	E	1	28.1	32.4	1.2	0	102
1	360	F	1	28.2	27.6	1.5	0	104
1	360	G	2	23.1	12.8	3.0	0	113

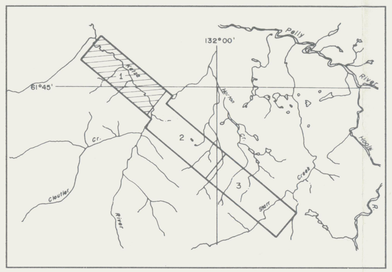
Estimated depth may be unreliable because the stronger part of the conductor may be deeper or to one side of the flight line, or because of a shallow dip or overburden effects.



Flight Path

Navigation and recovery using Motorola Mini-Ranger (MRS III) radar navigation system.

Average terrain clearance 60m
Average line spacing 200m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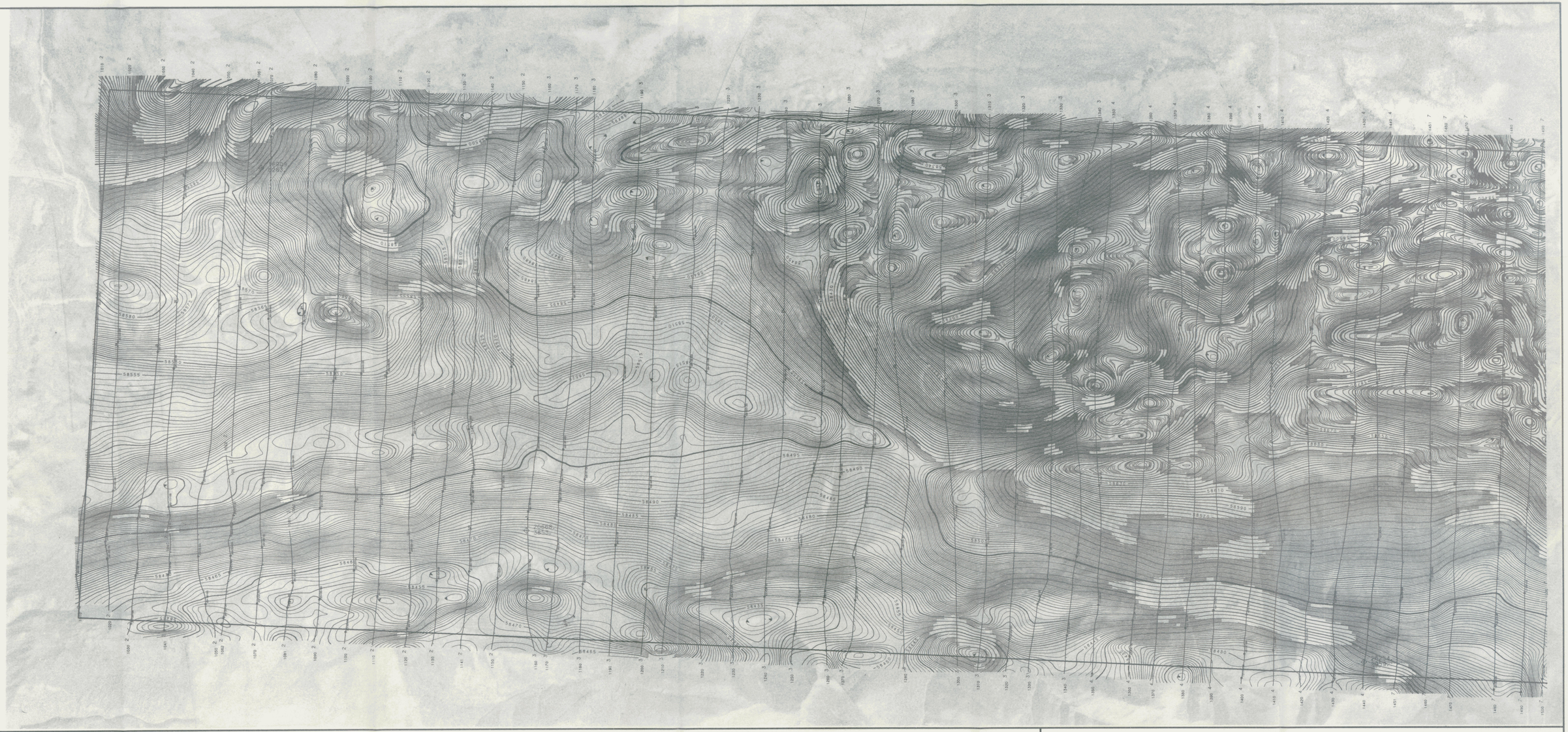
2
3
Creek
Creek
Creek



Flight Path

Navigation and recovery using Motorola Mini-Ranger (MRS III) radar navigation system.

Average terrain clearance 60m
Average line spacing 200m

Magnetics

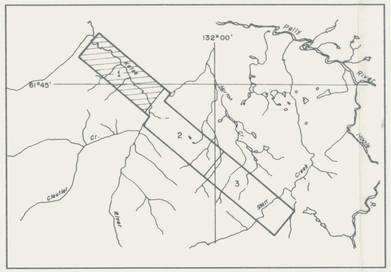
Total Field Magnetic Intensity Contours in nT.

Cesium high sensitivity magnetometer.

Sensor elevation 45m

Map contours are multiples of those listed below

1 nT
5 nT
20 nT
100 nT
500 nT



WELCOME NORTH MINES LTD.

TOTAL FIELD MAGNETIC CONTOURS

STARR CREEK
YUKON TERRITORY

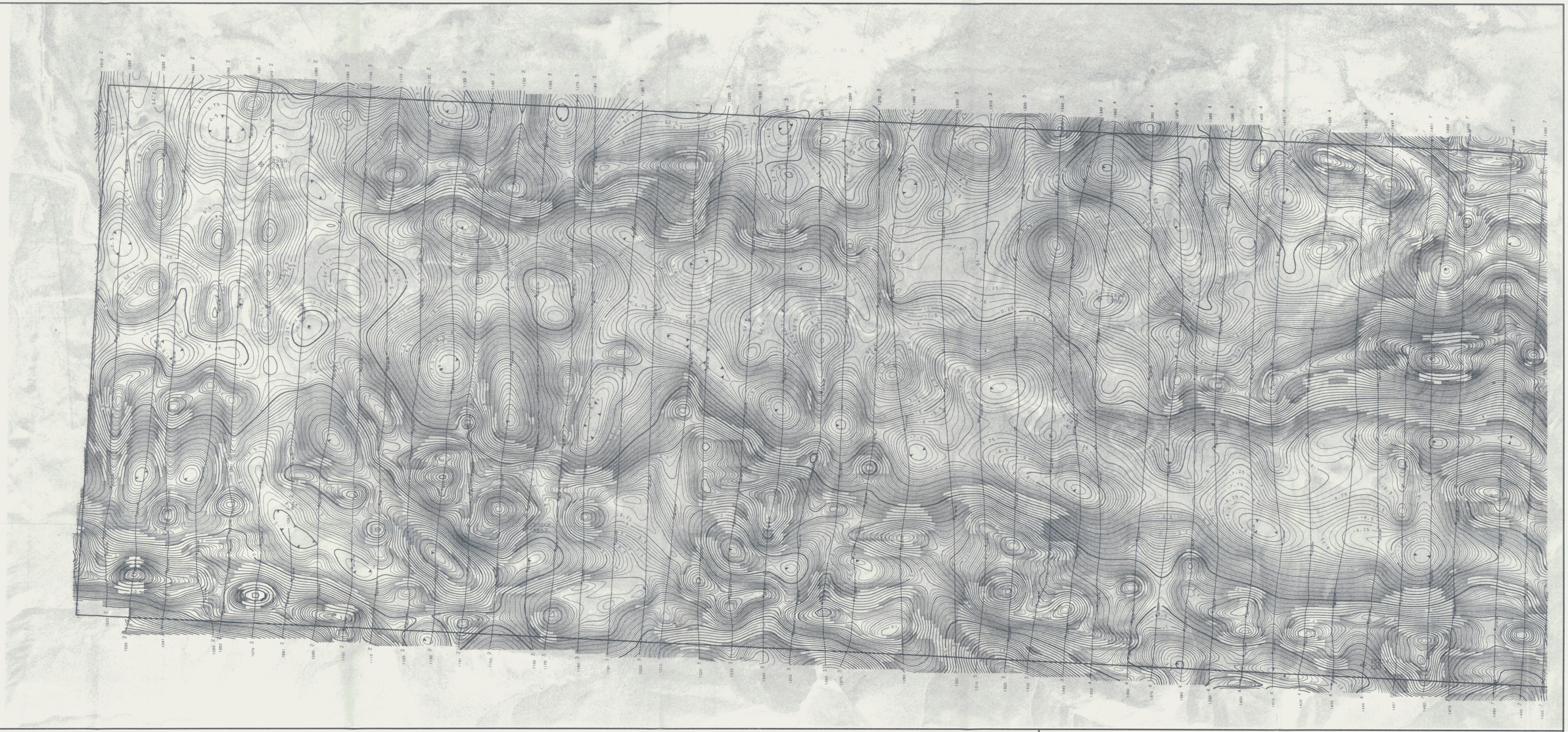
092834

SCALE 1:10,000

0 330 660 1320 1/2 MILE
0 100 200 500 KILOMETRE

AERODAT LIMITED

DATE: APRIL 1988
NTS No: 105 F/9 - /16
MAP No: 4 J8843-1



Flight Path

Navigation and recovery using Motorola Mini-Ranger (MRS III) radar navigation system.

Average terrain clearance 60m
Average line spacing 200m

VLF-EM

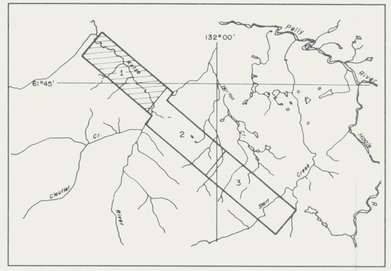
VLF-EM Total Field Intensity in percent.

Station: NLK
Jim Creek, Washington
24.8 kHz

Sensor elevation 45m

Map contours are multiples of those listed below

.25 %
1 %
5 %
25 %



WELCOME NORTH MINES LTD.

VLF-EM TOTAL FIELD CONTOURS

STARR CREEK
YUKON TERRITORY

092834

SCALE 1:10,000

0 330 660 1320 1/2 MILE
0 100 200 500 KILOMETRE

AERODAT LIMITED

DATE: APRIL 1988
NTS No: 105 F/9 - /16
MAP No: 7
J8843-1



Flight Path

Navigation and recovery using Motorola Mini-Ranger (MRS III) radar navigation system.

Average terrain clearance 60m
Average line spacing 200m

Apparent Resistivity

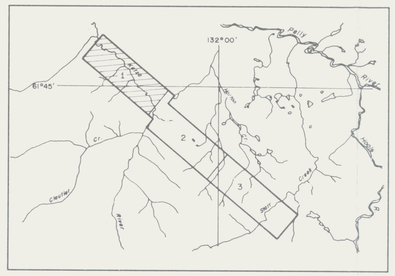
Calculated from 4600 Hz coaxial EM response assuming a 200 m conductive layer.

Contouring in ohm-m at logarithmic intervals.

Sensor elevation 30m

Map contours are multiples of those listed below.

0.05 log(ohm-m)
0.20 log(ohm-m)
1.00 log(ohm-m)



WELCOME NORTH MINES LTD.

APPARENT RESISTIVITY CONTOURS

STARR CREEK
YUKON TERRITORY 092834

SCALE 1:10,000

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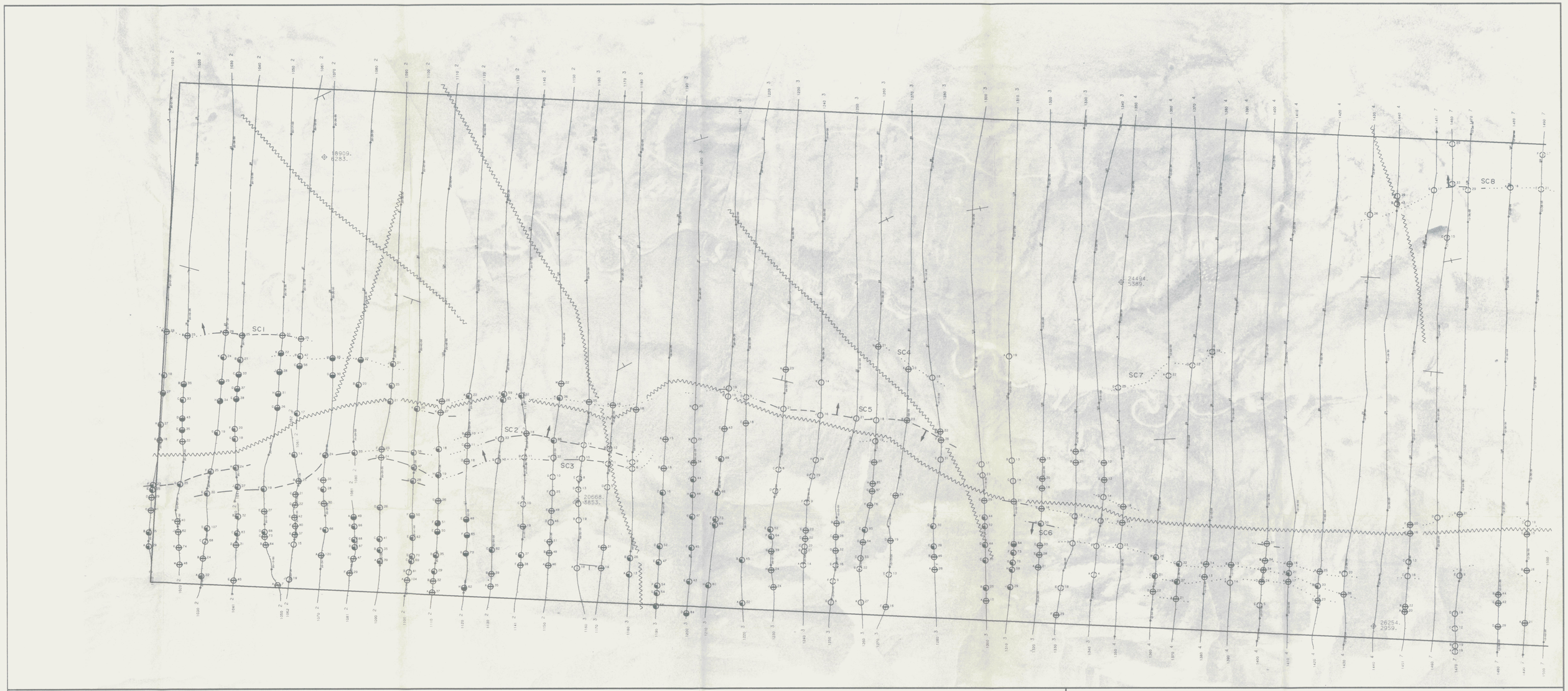
0 100 200 500 1 KILOMETRE

AERODAT LIMITED

DATE: APRIL 1988
NTS No: 105 F/9 - /16
MAP No: 6 J8843-1



Flight Path

Navigation and recovery using Motorola Mini-Ranger (MRS III) radar navigation system.

Average terrain clearance 60m
Average line spacing 200m

EM Anomalies

Conductivity Thickness (mhos)

- 0 - 1
- 1 - 2
- 2 - 4
- 4 - 8
- 8 - 15
- 15 - 30
- > 30

EM Anomaly A, 4600 Hz inphase amplitude 7 ppm. Conductivity thickness 1-2 mhos (see code).

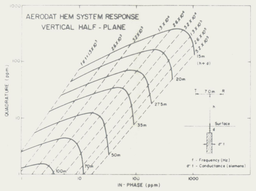
INTERPRETATION LEGEND

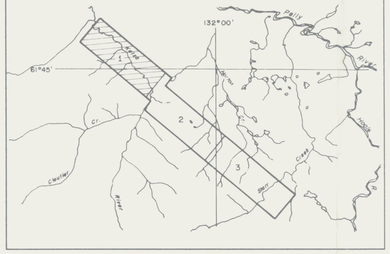
Fault

Selected target

Direction of dip

Vertical dip





WELCOME NORTH MINES LTD.

INTERPRETATION

STARR CREEK

YUKON TERRITORY

092834

SCALE 1:10,000

0 330 660 1320 1/2 MILE

0 100 200 500 1 KILOMETRE

AERODAT LIMITED

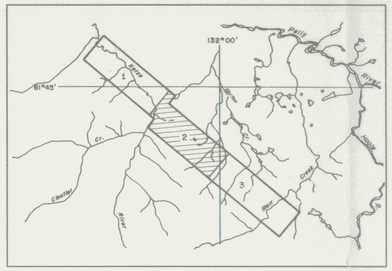
DATE:	APRIL 1988
NTS No:	105 F/9 - /16
MAP No:	3 J8843-1



Flight Path

Navigation and recovery using Motorola Mini-Ranger (MRS III) radar navigation system.

Average terrain clearance 60m
Average line spacing 200m



WELCOME NORTH MINES LTD.

FLIGHT PATH

STARR CREEK
YUKON TERRITORY

092834

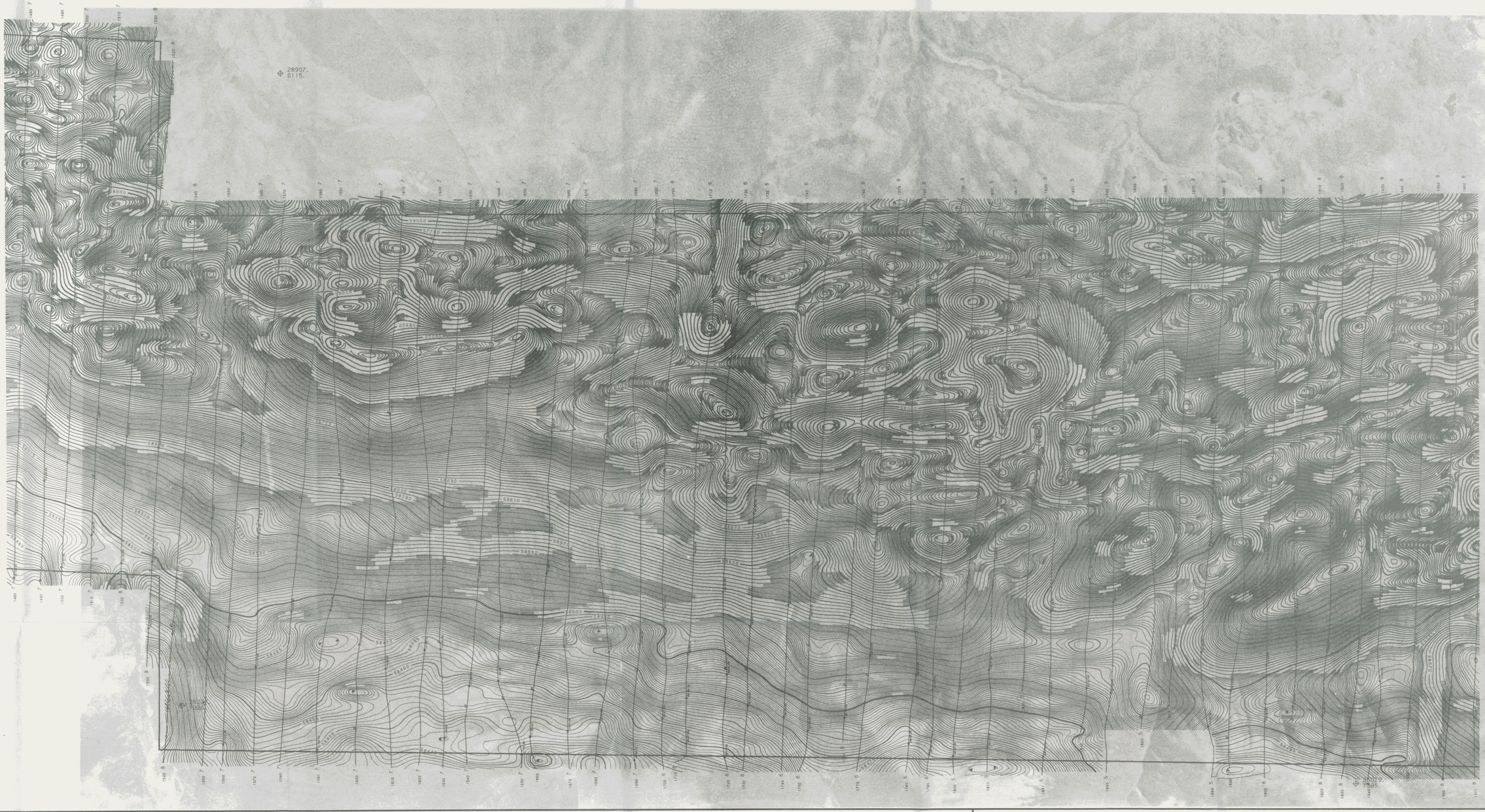
SCALE 1:10,000

0 330 660 1320 1/2 MILE

0 100 200 500 KILOMETRE

AERODAT LIMITED

DATE: APRIL 1988
NTS No: 105 F/9 - G/12
MAP No: 2 J8843-2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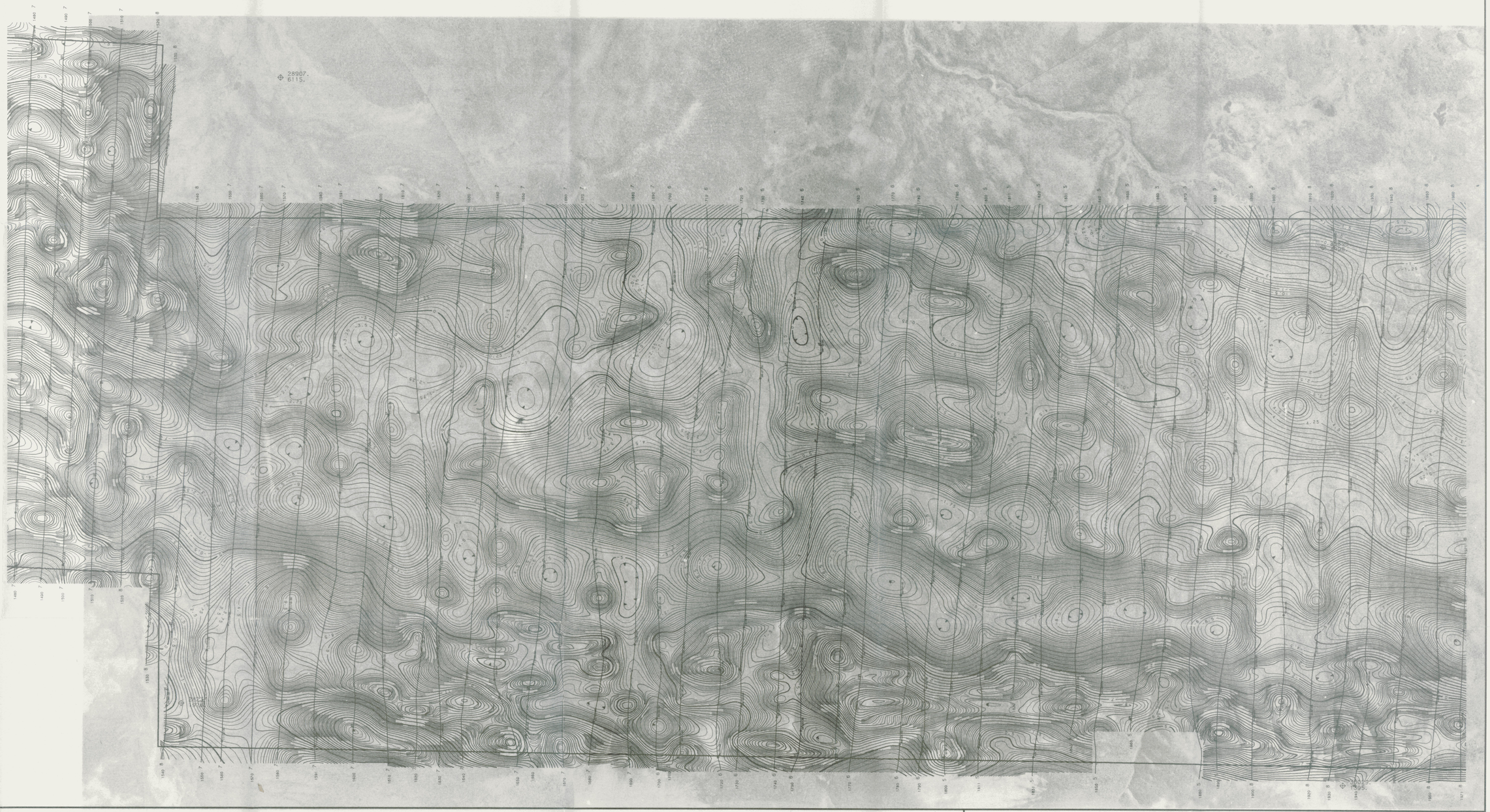


Flight Path

Navigation and recovery using Motorola Mini-Ranger (MRS III) radar navigation system.

Average terrain clearance 60m
Average line spacing 200m

VLF-EM

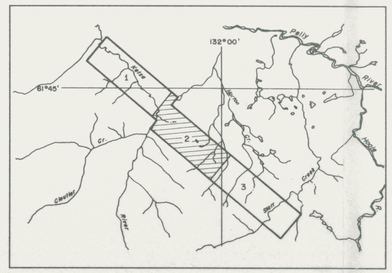
VLF-EM Total Field intensity in percent.

Station: NLK
Jim Creek, Washington
24.8 kHz

Sensor elevation 45m

Map contours are multiples of those listed below

.25 %
1 %
5 %
25 %



WELCOME NORTH MINES LTD.

VLF-EM TOTAL FIELD CONTOURS

STARR CREEK 092B34

YUKON TERRITORY

SCALE 1:10,000

0 330 660 1320 1/2 MILE

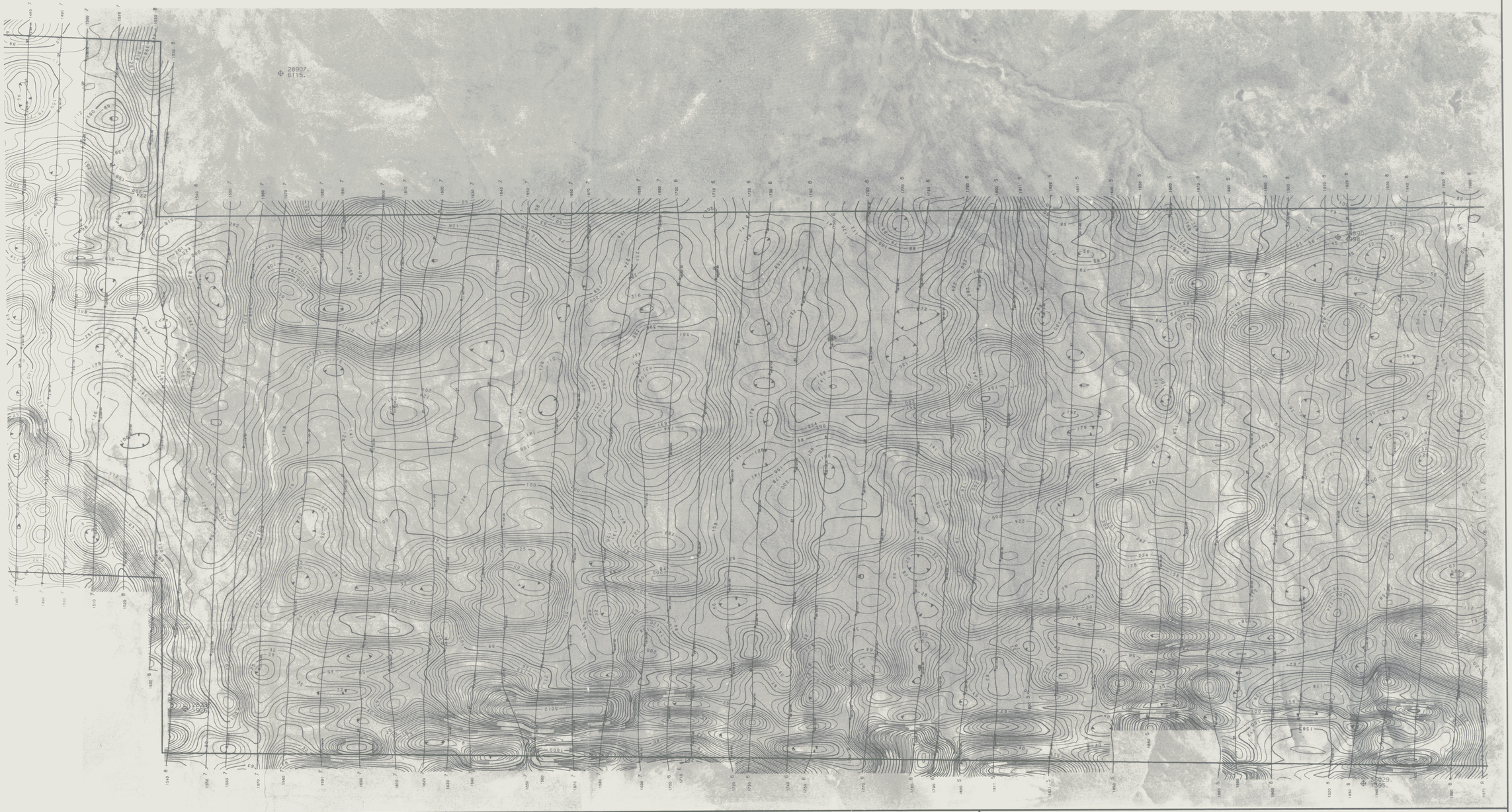
0 100 200 500 1 KILOMETRE

AERODAT LIMITED

DATE: APRIL 1988

NTS No: 105 F/9 - G/12

MAP No: 7 J8843-2



Flight Path

Navigation and recovery using Motorola Mini-Ranger (MRS III) radar navigation system.

Average terrain clearance 60m
Average line spacing 200m

Apparent Resistivity

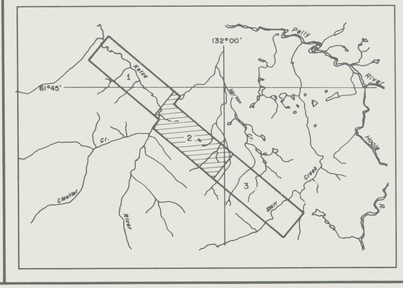
Calculated from 4600 Hz coaxial EM response assuming a 200 m conductive layer.

Contouring in ohm•m at logarithmic intervals.

Sensor elevation 30m

Map contours are multiples of those listed below

0.05 log(ohm•m)
0.20 log(ohm•m)
1.00 log(ohm•m)



WELCOME NORTH MINES LTD.

APPARENT RESISTIVITY CONTOURS

STARR CREEK
YUKON TERRITORY 092834

SCALE 1:10,000
0 330 660 1320 1/2 MILE
0 100 200 500 1 KILOMETRE

AERODAT LIMITED

DATE: APRIL 1988
NTS No: 105 F/9 - G/12
MAP No: 6 J8843-2



Flight Path

Navigation and recovery using Motorola Mini-Ranger (MRS III) radar navigation system.

Average terrain clearance 60m
Average line spacing 200m

EM Anomalies

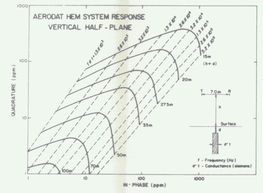
Conductivity Thickness (mhos)

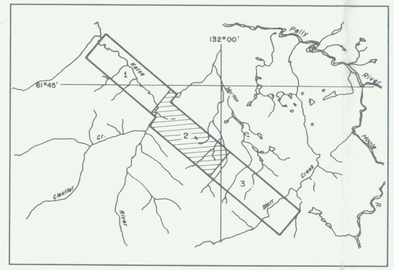
- 0 - 1
- 1 - 2
- 2 - 4
- 4 - 8
- 8 - 15
- 15 - 30
- > 30

EM Anomaly A, 4600 Hz inphase amplitude 7 ppm. Conductivity thickness 1-2 mhos (see code).

INTERPRETATION LEGEND

- Interpreted bedrock conductor axis
- Possible bedrock conductor axis
- Fault
- Conductive Zone
- Selected target
- Direction of dip
- Vertical dip





WELCOME NORTH MINES LTD.

INTERPRETATION

STARR CREEK

YUKON TERRITORY

092834

SCALE 1:10,000

0 330 660 1320 1/2 MILE

0 100 200 500 1 KILOMETRE

AERODAT LIMITED

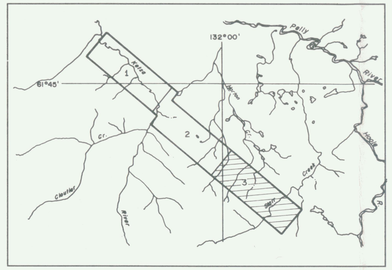
DATE:	APRIL 1988
NTS No:	105 F/9 - G/12
MAP No:	3 J8843-2



Flight Path

Navigation and recovery using Motorola Mini-Ranger (MRS III) radar navigation system.

Average terrain clearance 60m
Average line spacing 200m



WELCOME NORTH MINES LTD.

FLIGHT PATH

STARR CREEK 092834

YUKON TERRITORY

SCALE 1:10,000

0 330 660 1320 1/2 MILE

0 100 200 500 KILOMETRE

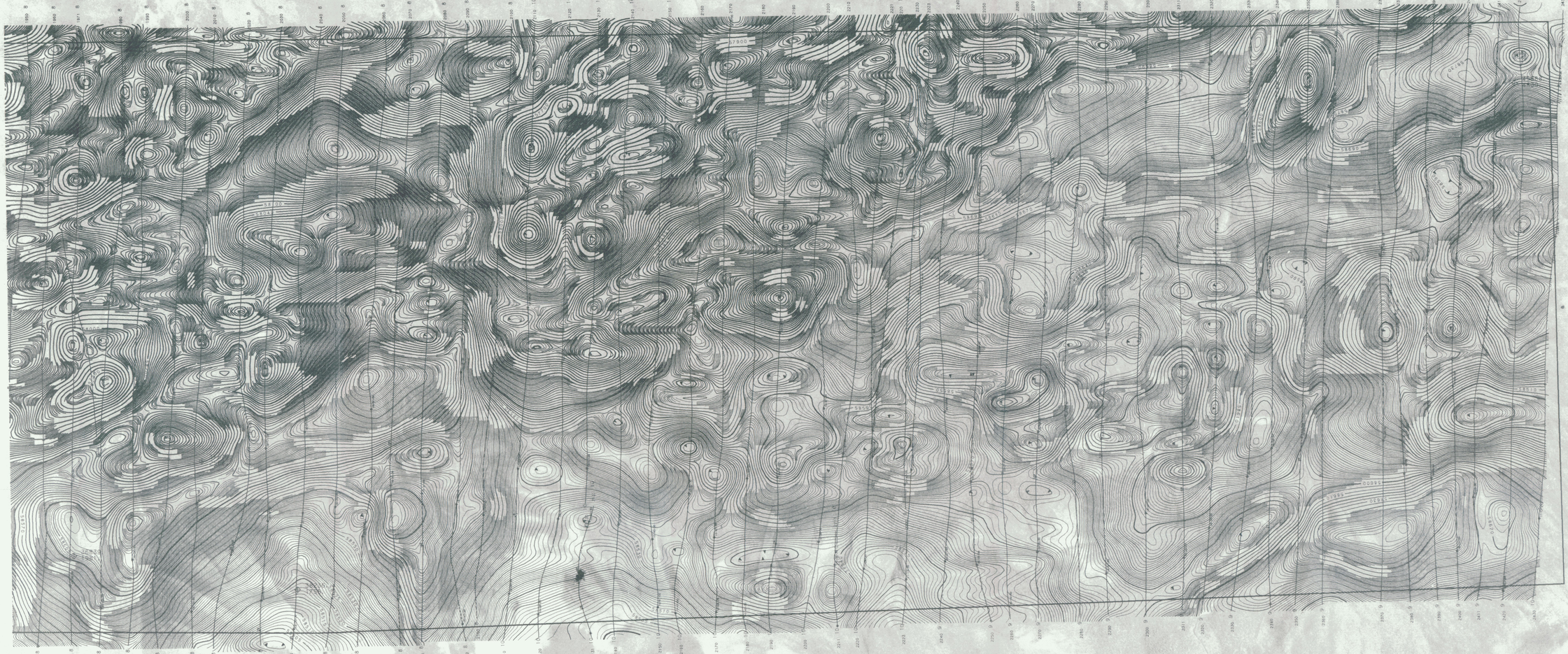
AERODAT LIMITED

DATE: APRIL 1988

NTS No: 105 F/9 - G/12

MAP No: 2

J8843-3



Flight Path

Navigation and recovery using Motorola Mini-Ranger (MRS III) radar navigation system.

Average terrain clearance 60m
Average line spacing 200m

Magnetics

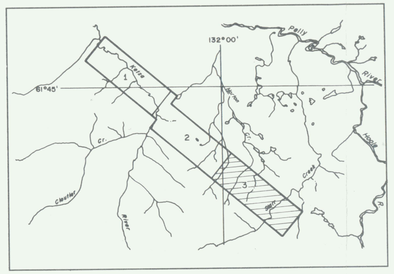
Total Field Magnetic Intensity Contours in nT.

Cesium high sensitivity magnetometer.

Sensor elevation 45m

Map contours are multiples of those listed below

- 1 nT
- 5 nT
- 20 nT
- 100 nT
- 500 nT



WELCOME NORTH MINES LTD.

TOTAL FIELD MAGNETIC CONTOURS

STARR CREEK 092834

YUKON TERRITORY

SCALE 1:10,000

0 330 660 1320 1/2 MILE

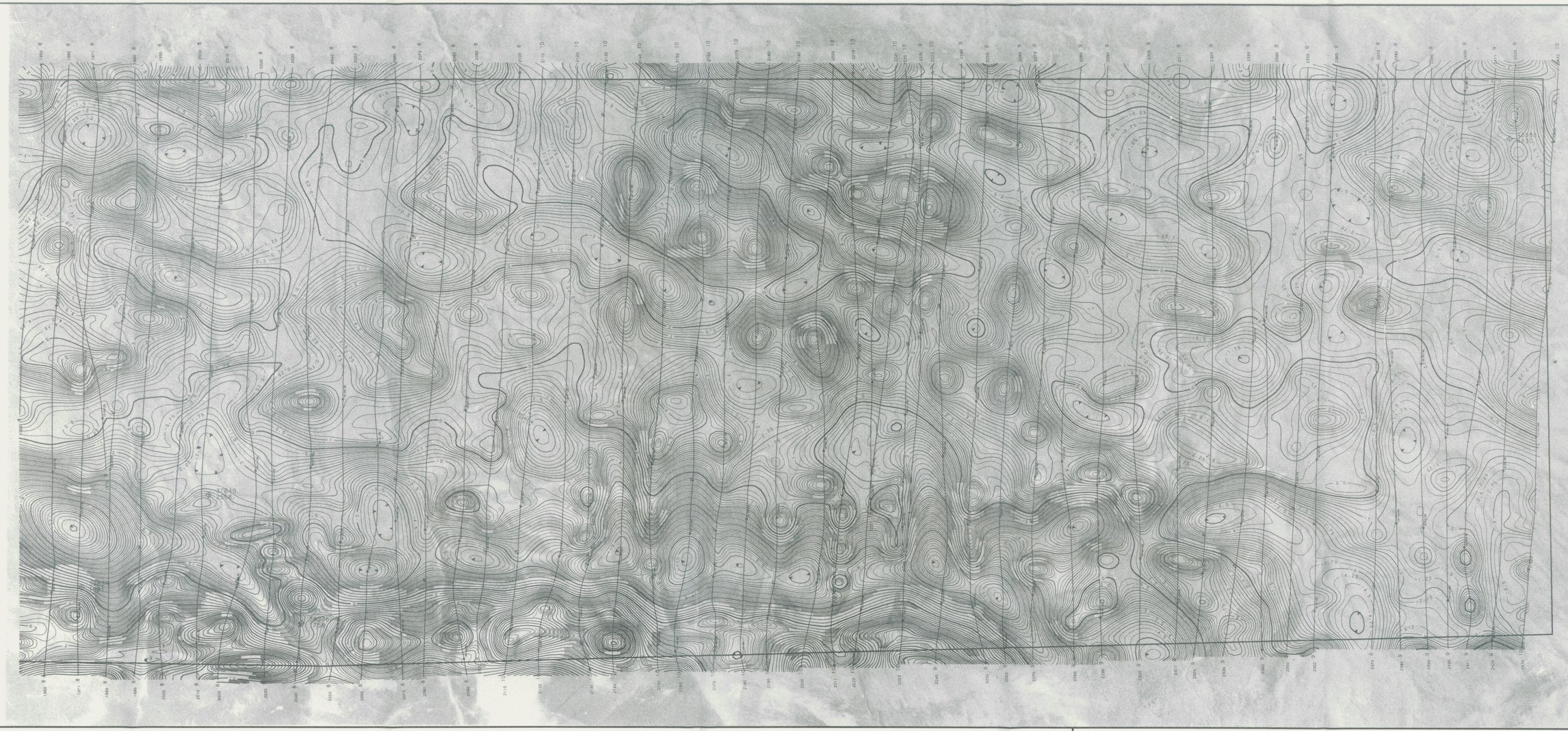
0 100 200 500 1 KILOMETRE

AERODAT LIMITED

DATE: APRIL 1988

NTS No: 105 F/9 - G/12

MAP No: 4 J8843-3



Flight Path

Navigation and recovery using Motorola Mini-Ranger (MRS III) radar navigation system.

Average terrain clearance 60m
Average line spacing 200m

VLF-EM

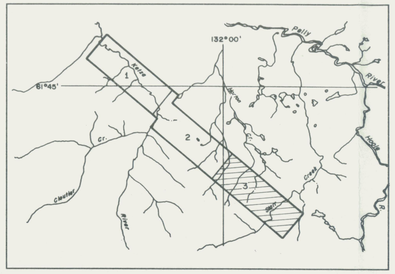
VLF-EM Total Field Intensity in percent.

Station: NLK
Jim Creek, Washington
24.8 kHz

Sensor elevation 45m

Map contours are multiples of those listed below

- .25 %
- 1 %
- 5 %
- 25 %



WELCOME NORTH MINES LTD.

VLF-EM TOTAL FIELD CONTOURS

092834

STARR CREEK

YUKON TERRITORY

SCALE 1:10,000

0 330 660 1320 1/2 MILE

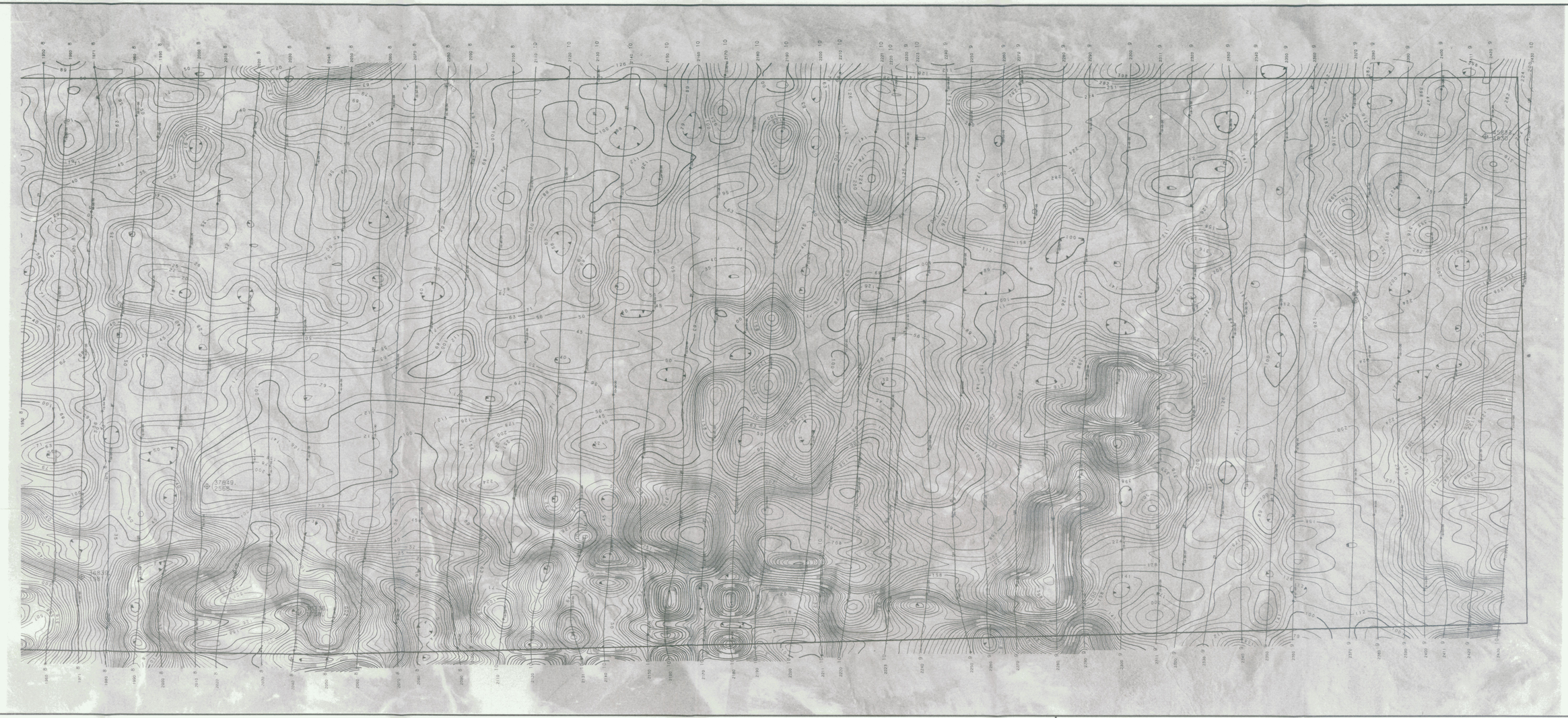
0 100 200 500 KILOMETRE

AERODAT LIMITED

DATE: APRIL 1988

NTS No: 105 F/9 - G/12

MAP No: 7 J8843-3



Flight Path

Navigation and recovery using Motorola Mini-Ranger (MRS III) radar navigation system.

Average terrain clearance 60m
Average line spacing 200m

Apparent Resistivity

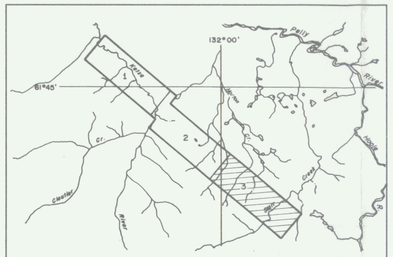
Calculated from 4600 Hz coaxial EM response assuming a 200 m conductive layer.

Contouring in ohm-m at logarithmic intervals.

Sensor elevation 30m

Map contours are multiples of those listed below

0.05 log(ohm-m)
0.20 log(ohm-m)
1.00 log(ohm-m)



WELCOME NORTH MINES LTD.

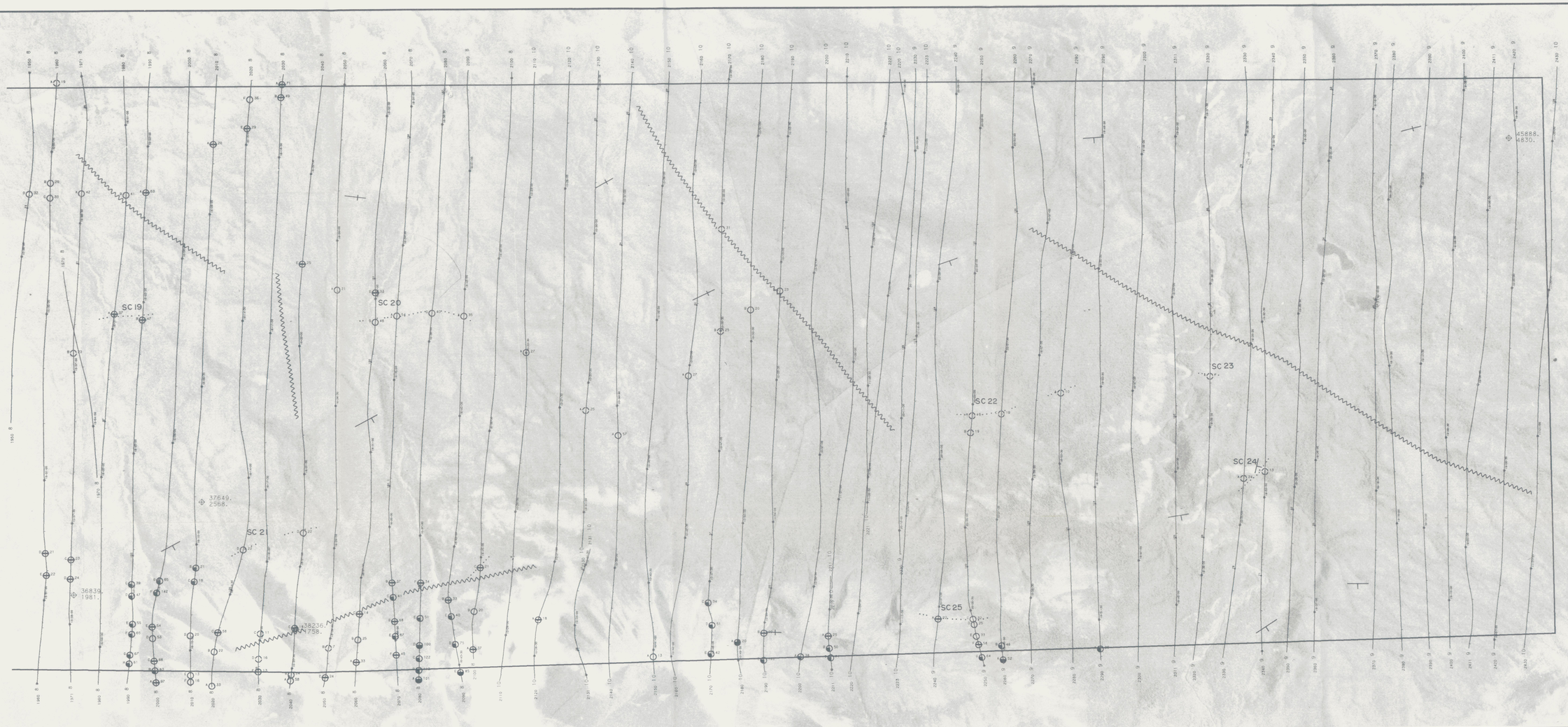
APPARENT RESISTIVITY CONTOURS

STARR CREEK
YUKON TERRITORY 092834

SCALE 1:10,000
0 330 660 1320 1/2 MILE
0 100 200 500 KILOMETRE

AERODAT LIMITED

DATE: APRIL 1988
NTS No: 105 F/9 - G/12
MAP No: 6 J8843-3



Flight Path

Navigation and recovery using Motorola Mini-Ranger (MRS III) radar navigation system.

Average terrain clearance 60m
Average line spacing 200m

EM Anomalies

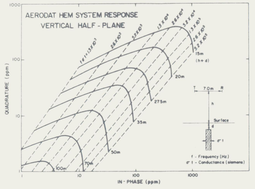
Conductivity Thickness (mhos)

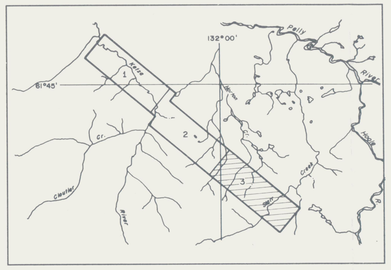
- 0 - 1
- 1 - 2
- 2 - 4
- 4 - 8
- 8 - 15
- 15 - 30
- + 30

EM Anomaly A, 4600 Hz inphase amplitude 7 ppm. Conductivity thickness 1-2 mhos (see code).

INTERPRETATION LEGEND

- Interpreted bedrock conductor axis
- Possible bedrock conductor axis
- Fault
- Conductive Zone
- Selected target
- Direction of dip
- Vertical dip





WELCOME NORTH MINES LTD.

INTERPRETATION

STARR CREEK 092B/14

YUKON TERRITORY

SCALE 1:10,000

0 330 660 1320 1/2 MILE

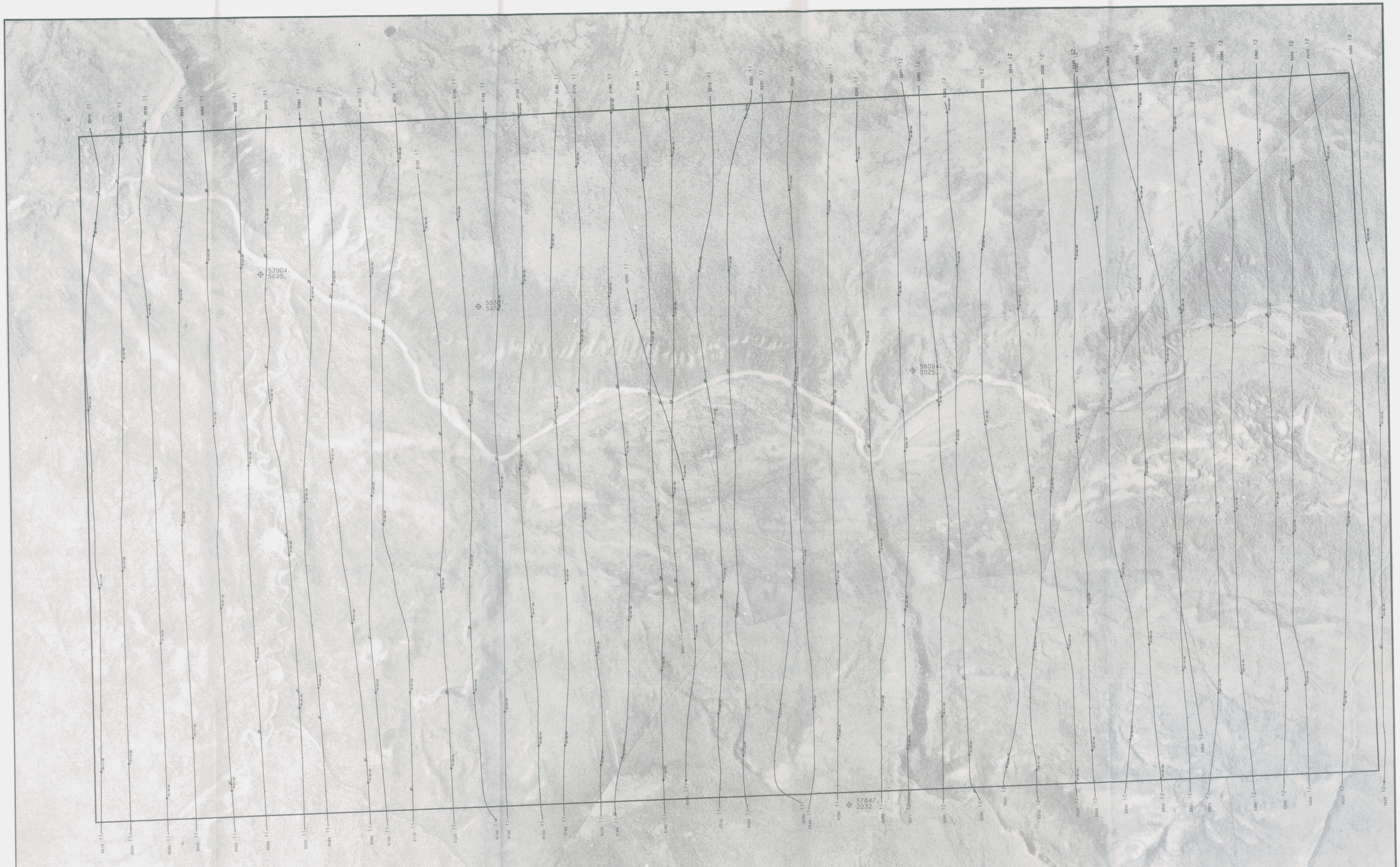
0 100 200 500 KILOMETRE

AERODAT LIMITED

DATE: APRIL 1988

NTS No: 105 F/9 - G/12

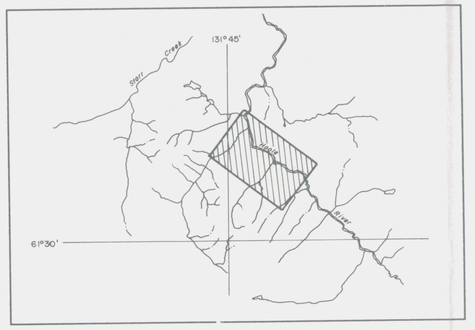
MAP No: 3 J8843-3



Flight Path

Navigation and recovery using Motorola Mini-Ranger (MRS III) radar navigation system.

Average terrain clearance 60m
Average line spacing 200m



WELCOME NORTH MINES LTD.

FLIGHT PATH

HOOLE RIVER 092B34

YUKON TERRITORY

SCALE 1:10,000

0 330 660 1320 1/2 MILE

0 100 200 500 1 KILOMETRE

AERODAT LIMITED

DATE: APRIL 1988

NTS No: 105 G/12

MAP No: 2 J8843

Flight Path

Navigation and recovery using Motorola Mini-Ranger (MRS III) radar navigation system.

Average terrain clearance 60m
Average line spacing 200m

Magnetics

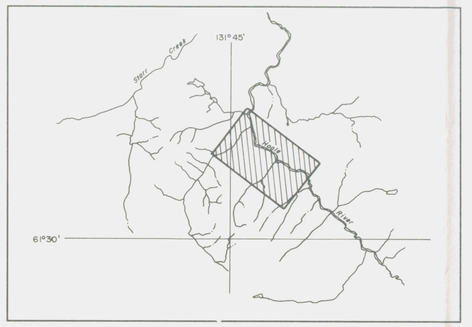
Total Field Magnetic Intensity Contours in nT.

Cesium high sensitivity magnetometer.

Sensor elevation 45m

Map contours are multiples of those listed below

- 1 nT
- 5 nT
- 20 nT
- 100 nT
- 500 nT



WELCOME NORTH MINES LTD.

TOTAL FIELD MAGNETIC CONTOURS

HOOLE RIVER
YUKON TERRITORY

092834

SCALE 1:10,000

0 330 660 1320 1/2 MILE

0 100 200 500 1 KILOMETRE

AERODAT LIMITED

DATE: APRIL 1988
NTS No: 105 G/12
MAP No: 4 J8843

Flight Path

Navigation and recovery using Motorola Mini-Ranger (MRS III) radar navigation system.

Average terrain clearance 60m
Average line spacing 200m

VLF-EM

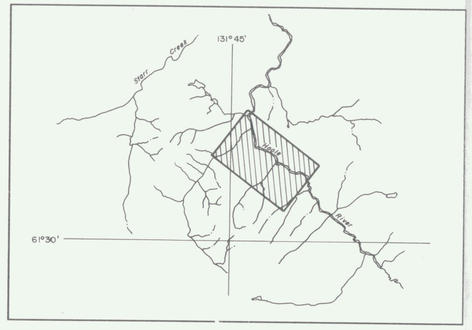
VLF-EM Total Field Intensity in percent.

Station: NLK
Jim Creek, Washington
24.8 kHz

Sensor elevation 45m

Map contours are multiples of those listed below

.25 %
1 %
5 %
25 %



WELCOME NORTH MINES LTD.

VLF-EM TOTAL FIELD CONTOURS

HOOLE RIVER
YUKON TERRITORY

092834

SCALE 1:10,000

0 330 660 1320 1/2 MILE
0 100 200 500 KILOMETRE

AERODAT LIMITED

DATE: APRIL 1988
NTS No: 105 G/12
MAP No: 7

J8843

Flight Path

Navigation and recovery using Motorola Mini-Ranger (MRS III) radar navigation system.

Average terrain clearance 60m
Average line spacing 200m

Apparent Resistivity

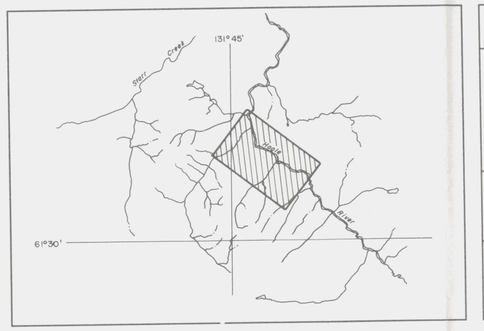
Calculated from 4600 Hz coaxial EM response assuming a 200 m conductive layer.

Contouring in ohm•m at logarithmic intervals.

Sensor elevation 30m

Map contours are multiples of those listed below

0.05 log(ohm•m)
0.20 log(ohm•m)
1.00 log(ohm•m)



WELCOME NORTH MINES LTD.

APPARENT RESISTIVITY CONTOURS

HOOLE RIVER 092B34

YUKON TERRITORY

SCALE 1:10,000

0 330 660 1320 1/2 MILE

0 100 200 500 1 KILOMETRE

AERODAT LIMITED

DATE: APRIL 1988

NTS No: 105 G/12

MAP No: 6 J8843

HR1
HR2
HR3
HR4
HR5
HR6
HR7
HR8

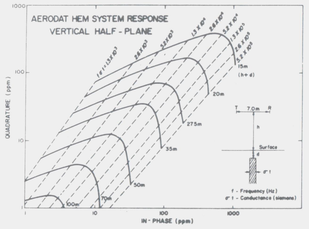
53904.
5695.

55381.
5478.

58094.
5025.

57647.
2232.

AERODAT HEM SYSTEM RESPONSE
VERTICAL HALF-PLANE



Flight Path

Navigation and recovery using Motorola Mini-Ranger (MRS III) radar navigation system.

Average terrain clearance 60m
Average line spacing 200m

EM Anomalies

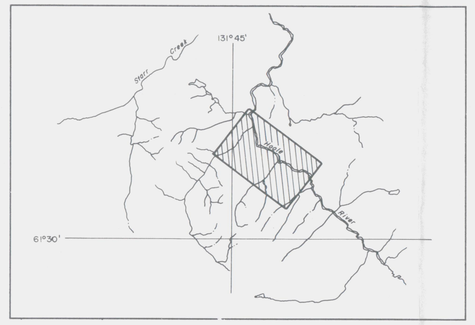
Conductivity Thickness (mhos)

- 0 - 1
- 1 - 2
- 2 - 4
- 4 - 8
- 8 - 15
- 15 - 30
- > 30

EM Anomaly A, 4600 Hz
Inphase amplitude 7 ppm.
Conductivity thickness
1-2 mhos (see code).

INTERPRETATION LEGEND

- Interpreted bedrock conductor axis
- Possible bedrock conductor axis
- Fault
- Conductive Zone
- Selected target
- Direction of dip
- Vertical dip



WELCOME NORTH MINES LTD.

INTERPRETATION

090224

HOOLE RIVER

YUKON TERRITORY

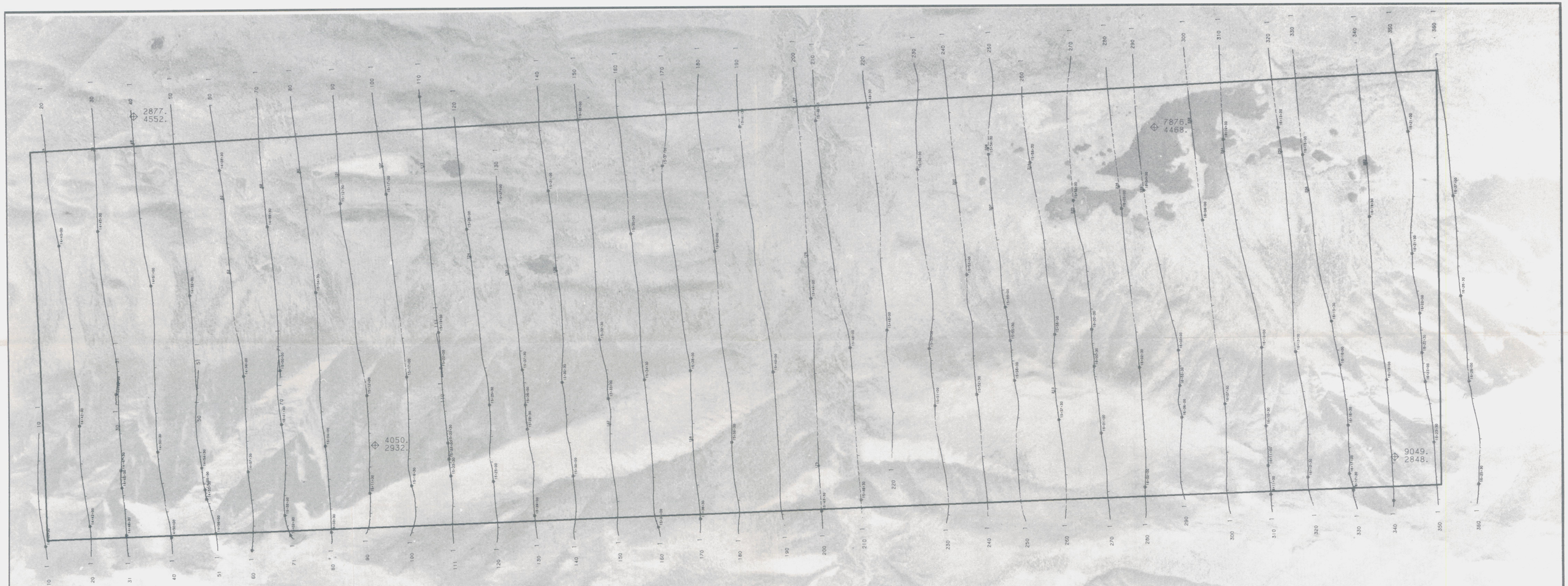
SCALE 1:10,000

0 330 660 1320 1/2 MILE

0 100 200 500 1 KILOMETRE

AERODAT LIMITED

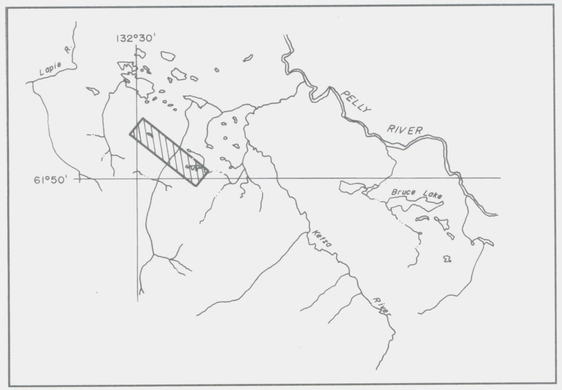
DATE: APRIL 1988
NTS No: 105 G/12
MAP No: 3 J8843



Flight Path

Navigation and recovery using Motorola Mini-Ranger (MRS III) radar navigation system.

Average terrain clearance 60m
Average line spacing 200m



WELCOME NORTH MINES LTD.

FLIGHT PATH

WLN

092834

YUKON TERRITORY

SCALE 1:10,000

0 330 660 1320 1/2 MILE

0 100 200 500 1 KILOMETRE

AERODAT LIMITED

DATE: APRIL 1988

NTS No: 105 F/16

MAP No: 2 JB843

Flight Path

Navigation and recovery using Motorola Mini-Ranger (MRS III) radar navigation system.

Average terrain clearance 60m
Average line spacing 200m

Magnetics

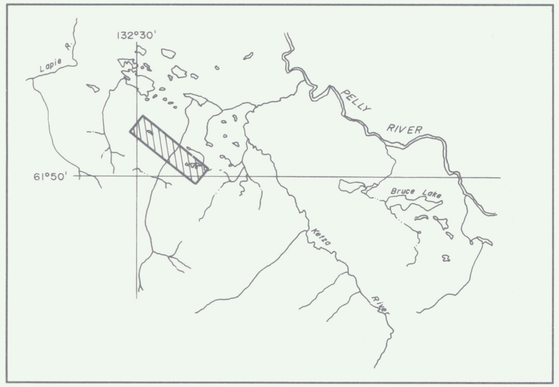
Total Field Magnetic Intensity Contours in nT.

Cesium high sensitivity magnetometer.

Sensor elevation 45m

Map contours are multiples of those listed below

- 1 nT
- 5 nT
- 20 nT
- 100 nT
- 500 nT



WELCOME NORTH MINES LTD.

TOTAL FIELD MAGNETIC CONTOURS

WLN
YUKON TERRITORY

092834

SCALE 1:10,000

0 330 660 1320 1/2 MILE

0 100 200 500 1 KILOMETRE

AERODAT LIMITED

DATE: APRIL 1988
NTS No: 105 F/16
MAP No: 4 J8843

Flight Path

Navigation and recovery using Motorola Mini-Ranger (MRS III) radar navigation system.

Average terrain clearance 60m
Average line spacing 200m

VLF-EM

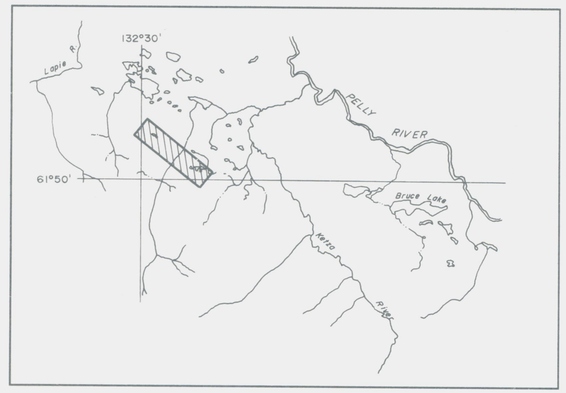
VLF-EM Total Field Intensity in percent.

Station: NLK
Jim Creek, Washington
24.8 kHz

Sensor elevation 45m

Map contours are multiples of those listed below

- .25 %
- 1 %
- 5 %
- 25 %



WELCOME NORTH MINES LTD.

VLF-EM TOTAL FIELD CONTOURS

WLN 092834

YUKON TERRITORY

SCALE 1:10,000

0 330 660 1320 1/2 MILE

0 100 200 500 1 KILOMETRE

AERODAT LIMITED

DATE: APRIL 1988

NTS No: 105 F/16

MAP No: 7 J8843

Flight Path

Navigation and recovery using Motorola Mini-Ranger (MRS III) radar navigation system.

Average terrain clearance 60m
Average line spacing 200m

Apparent Resistivity

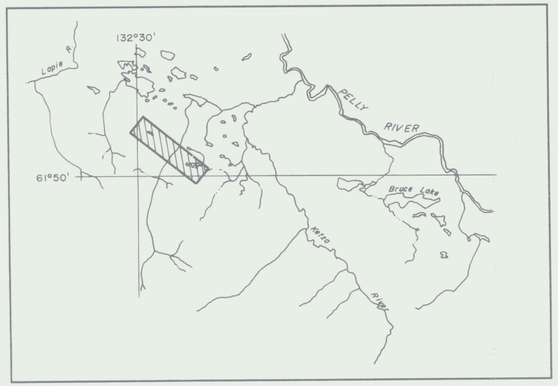
Calculated from 4600 Hz coaxial EM response assuming a 200 m conductive layer.

Contouring in ohm•m at logarithmic intervals.

Sensor elevation 30m

Map contours are multiples of those listed below

0.05 log(ohm•m)
0.20 log(ohm•m)
1.00 log(ohm•m)



WELCOME NORTH MINES LTD.

APPARENT RESISTIVITY CONTOURS

WLN
YUKON TERRITORY

092834

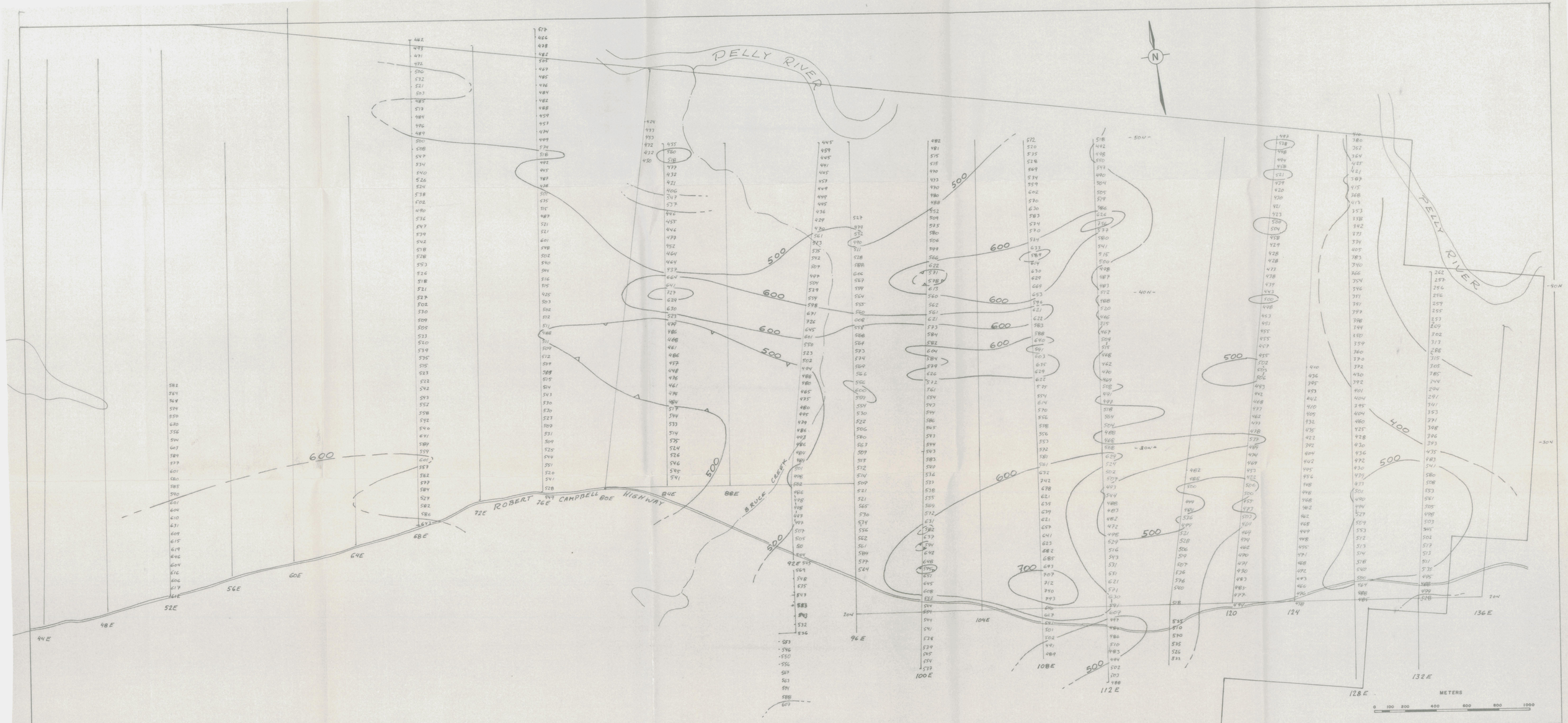
SCALE 1:10,000

0 330 660 1320 1/2 MILE

0 100 200 500 1 KILOMETRE

AERODAT LIMITED

DATE: APRIL 1988
NTS No: 105 F/16
MAP No: 6 J8843



DATUM SUBTRACTED 58000 GAMMAS

Datum Subtracted

WELCOME NORTH MINES LTD

18th Floor, 675 W. HASTINGS Street Vancouver, B.C. Canada V6B 1N2
Facsimile (604) 687 2419 : Telephone (604) 687 1658

TINT CLAIMS

FIG. 5

092834

MAGNETOMETER SURVEY

Work by : Robert Potter	N.T.S. : 105 G
Drawn by : Robert Potter	Rev. :
Date : Sept., 1988	Scale : 1:10000



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15th Floor, 675 W. Hastings Street, Vancouver, B.C., Canada V6B 1N2
Facsimile (604) 687-2419 • Telephone (604) 687-1658

TINT CLAIMS

FIG 3 — 092834

GEOLOGY & GEOCHEMISTRY

Work by : Robert Potter	N.T.S. : 105 G
Drawn by : Robert Potter	Rev. : 1:10,000
Date : Sept 1980	

PROVISIONAL MAP
105 F/9

CANADA

1:50,000

CARTE PROVISOIRE
105 F/9

EDITION 1

Refer to this map as: 105 F/9 EDITION 1 MCE SERIES A 722

S T C Y R

R A N G E

(P E L L Y M O U N T A I N S)

Mount Green

Creek

Cloutier

Kelza

Kelly

Joins 105 F/10

Joins 105 F/16

Joins 105 G/12

Joins 105 F/8

CLOUTIER CREEK
YUKON TERRITORY

Scale 1:50,000 Échelle

Miles 1 0 1 2 3 Milles
Metres 1000 0 1000 2000 3000 4000 Mètres
Yards 1000 0 1000 2000 3000 4000 Verges

Roads
cart track
trail or portage

Routes
de terre
sentier ou portage

Compiled by the SURVEYS AND MAPPING BRANCH, DEPARTMENT OF ENERGY, MINES AND RESOURCES. Produced by the MAPPING AND CHARTING ESTABLISHMENT, DEPARTMENT OF NATIONAL DEFENCE. Information depicted current as of 1967. Printed 1971.

Copies may be obtained from the Map Distribution Office, Department of Energy, Mines and Resources, Ottawa.

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This Provisional Map is equivalent to a standard map in accuracy of content.

Some names on this map are not yet official. Corrections or additions are invited by the Surveys and Mapping Branch.

CONTOUR INTERVAL 100 FEET
Elevations in Feet above Mean Sea Level
North American Datum 1927
Transverse Mercator Projection

Cette carte provisoire équivaut une carte régulière au point de vue précision de l'information

Certains noms inscrits sur cette carte ne sont pas encore officiels. La Direction des levés et de la cartographie saurait gré au public de lui signaler corrections et additions.

ÉQUIDISTANCE DES COURBES 100 PIEDS
Élévations en pieds au dessus du niveau moyen de la mer
Système de référence géodésique nord-américain 1927
Projection transverse de Mercator

Rédigée par la DIRECTION DES LEVÉS ET DE LA CARTOGRAPHIE, MINISTÈRE DE L'ÉNERGIE, DES MINES ET DES RESSOURCES. Établie par le SERVICE DE LA CARTOGRAPHIE, MINISTÈRE DE LA DÉFENSE NATIONALE. Renseignements à jour en 1967. Imprimée en 1971.

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CONVERSION SCALE FOR ELEVATIONS
Metres
Feet

T.N.
2°25' or 43 Mils
30°10' or 536 Mils
Grid North
Magnetic North

Use diagram only to obtain numerical values.
APPROXIMATE MEAN DECLINATION 1971
FOR CENTRE OF MAP
Annual change decreasing 4.6'

ONE THOUSAND METRE
UNIVERSAL TRANSVERSE MERCATOR GRID
ZONE 8

GRID ZONE DESIGNATION	100,000 M. SQUARE IDENTIFICATION
8V	PD

EXAMPLE OF METHOD USED TO GIVE A REFERENCE TO NEAREST 100 METRES
THE FOLLOWING GRID REFERENCE IS A SAMPLE ONLY AND DOES NOT REFER TO A POINT ON THIS MAP

REFERENCE POINT	CHURCH	(as above)
EASTING: Read number on grid line immediately to left of point	97	
Estimate tenths of a square from this line eastward to point		5
	975	
NORTHING: Read number on grid line immediately below point	98	
Estimate tenths of a square from this line northward to point		4
	984	

EXAMPLE MILITARY GRID REFERENCE 975984

Nearest similar grid reference 100,000 metres (about 63 miles)

BROWN NUMBERED TICKS INDICATE THE 1000 METRE U.T.M. GRID ZONE 9

105 F/9
EDITION 1

Master Copy

092834

105F/9

CANADA

EDITION 1 105 F/15

Military users, refer to this map as: / Référence de la carte pour usage militaire:	SERIES A 722 SÉRIE MAP 105 F/15 CARTE EDITION 1 MCE EDITION

133°00′ 606000m. E. 07 08 55′ 10 11 12 13 50′ 14 15 16 17 45′ 19 20 21 40′ 23 24 25 26 35′ 27 28 29 630000m. E. 132°30′

62°00′ 6875000m. N.

61°45′ 6845000m. N.

S T C Y R R A N G E

(P E L L Y) M O U N T A I N S)

MOUNT COOK 6573′

MOUNT HOSS 5877′

BM 3069

BM 3088

BM 3101

BM 2716

BM 2782

3045′

3229′

3374′

2633′

2805′

2904′

2955′

5611′

RAM CREEK

LAPIE RIVER

PORCUPINE CREEK

FOX CREEK

RELLY RIVER

LEGEND - LÉGENDE

ROADS AND RELATED FEATURES
HARD SURFACE, ALL WEATHER
LOOSE SURFACE
CART TRACK, WINTER ROAD OR ROAD UNDER CONSTRUCTION
TRAIL, CUT LINE, PORTAGE
BUILT-UP AREA
RAILWAY, SIDING, STATION, STOP
BRIDGE
SEAPLANE BASE, ANCHORAGE

LANDMARK FEATURES
HOUSE, BARN
CHURCH, SCHOOL
POST OFFICE
HISTORICAL SITE
TOWERS: FIRE, RADIO
WELL: OIL, GAS
TANK: OIL, GASOLINE, WATER
TELEPHONE LINE
POWER TRANSMISSION LINE
MINE
CUTTING, EMBANKMENT
GRAVEL PIT

BOUNDARIES AND SURVEY CONTROL
INTERNATIONAL, PROVINCIAL BOUNDARY MONUMENT
COUNTY, DISTRICT
TOWNSHIP, PARISH - SURVEYED UNSURVEYED
TOWNSHIP, DLS - SURVEYED, UNSURVEYED SECTION CORNERS
MUNICIPALITY
INDIAN RESERVE, PARK, ETC
HORIZONTAL SURVEY POINT
BENCH MARK
SPOT ELEVATION, ELEVATION APPROXIMATE

DRAINAGE AND RELATED FEATURES
STREAM, SHORELINE, INDEFINITE
DIRECTION OF FLOW
LAKE, INTERMITTENT LAKE
INUNDATED LAND
MARSH, SWAMP (WOODED)
DRY RIVER BED WITH CHANNELS
SAND: ABOVE, IN WATER
STRING BOG
TUNDRA: PONDS, POLYGONS
RAPIDS, FALLS, RAPIDS
FORESHORE FLATS
ROCK
DAM
WHARF
DITCH

RELIEF FEATURES
CONTOURS
APPROXIMATE CONTOUR
DEPRESSION
ESKER
PINGO
SAND: SAND DUNES
PALSA BOG
WOODED AREA
CLEARED AREA

ROUTES ET OUVRAGES CONNEXES
SURFACE DURE, TOUTES SAISONS
GRAVIER
CHEMIN DE TERRE, D'HIVER OU CHEMIN EN CONSTRUCTION
SENTIER, PERCÉE, PORTAGE
AGGLOMÉRATION
CHEMIN DE FER, VOIE D'ÉVITEMENT, GARE, ARRÊT
PONT
HYDROAÉROPORT, MOUILLAGE

POINTS DE REPÈRE
MAISON, GRANGE
ÉGLISE, ÉCOLE
BUREAU DE POSTE
LIEU HISTORIQUE
TOURS: FEU, RADIO
PUITS: PÉTROLE, GAZ
RÉSERVOIR: PÉTROLE, ESSENCE, EAU
LIGNE TÉLÉPHONIQUE
LIGNE DE TRANSPORT D'ÉNERGIE
MINE
TRANCHÉE, REMBLAI
FOSSÉ DE GRAVIER

FRONTIÈRES ET POINTS DE RÉFÉRENCES
INTERNATIONALE, PROVINCIALE BORNE FRONTIÈRE
COMTÉ, DISTRICT
CANTON, PAROISSE - ARPENTÉ NON ARPENTÉ
CANTON, DLS - ARPENTÉ NON ARPENTÉ SECTION ANGULAIRE
MUNICIPALITÉ
RÉSERVE INDIENNE, PARC, ETC
REPÈRE PLANIMÉTRIQUE
REPÈRE DE NIVELLEMENT
POINT COTÉ, ÉLÉVATION APPROXIMATIVE

DRAINAGE ET OUVRAGES CONNEXES
COURS D'EAU, RIVE: IMPRÉCISE
DIRECTION DU COURANT
LAC, LAC INTERMITTENT
TERRAIN INONDÉ
MARAIS, MARÉCAGE (BOISÉE)
LIT DE COURS D'EAU TARI AVEC CHENAUX
SABLE: AU DESSUS, DANS L'EAU
MARÉCAGES EN ENFILADE
TOUNDRA: ÉTANGS, SOLS POLYGONAUX
RAPIDES, CHUTES, RAPIDES
ESTRAN
ROCHE
BARRAGE
QUAI
FOSSÉ

RELIEF
COURBE DE NIVEAU
COURBE DE NIVEAU APPROXIMATIF
COURBE DE CUVETTE
ESKER
PINGO
SABLE, DUNES
PALSE
RÉGION BOISÉE
RÉGION DÉBOISÉE

PHOTOGRAPHY PHOTOGRAPHIE

COMPILATION RESTITUTION

135	A 20114	9/57	140
135	A 20112	9/57	131
103	A 20114	9/57	97
23	A 20114	9/57	28

REVISION RÉVISION

GRID ZONE DESIGNATION DÉSIGNATION DE LA ZONE DU QUADRILLAGE: 8 V

100,000 M. SQUARE IDENTIFICATION IDENTIFICATION DU CARRÉ DE 100,000 M.: P D

EXAMPLE OF METHOD USED TO GIVE A REFERENCE TO NEAREST 100 METRES
EXEMPLE DE LA MÉTHODE EMPLOYÉE POUR FIXER DES REPÈRES À 100 MÈTRES PRÈS

REFERENCE POINT POINT DE REPÈRE: CHURCH — ÉGLISE (as above) (ci-dessus)

EASTING: Read number on grid line immediately to left of point:
LONGITUDE EST: Noter le chiffre de la ligne du quadrillage immédiatement à gauche du repère: 97
Estimate tenths of a square from this line eastward to point:
Estimer le nombre de dixièmes du carré entre cette ligne et le repère en direction est: 7
975

NORTHING: Read number on grid line immediately below point:
LATITUDE NORD: Noter le chiffre de la ligne du quadrillage immédiatement en-dessous du repère: 98
Estimate tenths of a square from this line northward to point:
Estimer le nombre de dixièmes du carré entre cette ligne et le repère en direction nord: 4
984

GRID REFERENCE SAMPLE
EXEMPLE DU QUADRILLAGE: 975984

Nearest similar grid reference 100,000 metres (about 63 miles)
La prochaine référence similaire est à 100,000 mètres (environ 63 miles)

ONE THOUSAND METRE UNIVERSAL TRANSVERSE MERCATOR GRID ZONE 8
QUADRILLAGE DE MILLE MÈTRES UNIVERSEL TRANSVERSE DE MERCATOR

105 K/3	105 K/2	105 K/1
105 F/14	105 F/15	105 F/16
105 F/11	105 F/10	105 F/9

The 1973 MAGNETIC BEARING IS 30°46′ (547 mils) EAST of GRID NORTH.
ANNUAL CHANGE DECREASING 4.1′
GRID NORTH IS 1°59′ (35 mils) EAST of TRUE NORTH for centre of map.

Le REPÈRE MAGNÉTIQUE en 1973 est 30°46′ (547 mils) à l'est du NORD DU QUADRILLAGE.
VARIATION ANNUELLE DÉCROISSANTE 4.1′.
Le NORD DU QUADRILLAGE est 1°59′ (35 mils) à l'est du NORD GÉOGRAPHIQUE au centre de la carte.

CONVERSION SCALE FOR ELEVATIONS
ÉCHELLE DE CONVERSION DES ÉLÉVATIONS

Metres 30 20 10 0 — 50 — 100 — 150 — 200 — 250 — 300 Mètres
Feet 100 50 0 — 100 — 200 — 300 — 400 — 500 — 600 — 700 — 800 — 900 — 1000 Pieds

PRODUCED BY SURVEYS AND MAPPING BRANCH, DEPARTMENT OF ENERGY, MINES AND RESOURCES, OTTAWA, 1969

CONTOUR INTERVAL ..... 100 FEET

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Copies may be obtained from the Canada Map Office, Department of Energy, Mines and Resources, Ottawa, or your nearest map dealer.

NORTH AMERICAN DATUM 1927

TRANSVERSE MERCATOR PROJECTION

RAM CREEK

YUKON TERRITORY

092834

Scale 1:50,000 Échelle

Miles 1 — 0 — 1 — 2 — 3 Miles
Metres 1000 — 0 — 1000 — 2000 — 3000 — 4000 Mètres
Yards 1000 — 0 — 1000 — 2000 — 3000 — 4000 Verges

Ces cartes sont en vente au Bureau des Cartes du Canada, ministère de l'Énergie, des Mines et des Ressources, Ottawa, ou chez le vendeur le plus près.

SYSTÈME DE RÉFÉRENCE GÉODÉSIQUE NORD-AMÉRICAIN 1927

PROJECTION TRANSVERSE DE MERCATOR

ÉTABLIE PAR LA DIRECTION DES LEVÉS ET DE LA CARTOGRAPHIE, MINISTÈRE DE L'ÉNERGIE, DES MINES ET DES RESSOURCES, OTTAWA, EN 1969

ÉQUIDISTANCE DES COURBES ..... 100 PIEDS

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105 F/15
EDITION 1

105 F/15

CANADA

EDITION 1

105 F/16

1:50,000

Joins 105 K/1

Refer to this map as: 105 F/16 EDITION 1 MCE SERIES A 722



CONVERSION SCALE FOR ELEVATIONS

Metres

Feet

T.N.

2°26' or 43 Mils

30°13' or 537 Mils

Grid North

Magnetic North

Use diagram only to obtain numerical values.
APPROXIMATE MEAN DECLINATION 1973
FOR CENTRE OF MAP
Annual change decreasing 4.7'

ONE THOUSAND METRE
UNIVERSAL TRANSVERSE MERCATOR GRID
ZONE 8

GRID ZONE DESIGNATION	100,000 M. SQUARE IDENTIFICATION
8V	PD

EXAMPLE OF METHOD USED TO GIVE A REFERENCE TO NEAREST 100 METRES

THE FOLLOWING GRID REFERENCE IS A SAMPLE ONLY AND DOES NOT REFER TO A POINT ON THIS MAP

99 98 97

95 96 97 98

REFERENCE POINT CHURCH (as above)

EASTING: Read number on grid line immediately to left of point 97
Estimate tenths of a square from this line eastward to point 5
975

NORTHING: Read number on grid line immediately below point 98
Estimate tenths of a square from this line northward to point 4
984

EXAMPLE MILITARY GRID REFERENCE 975984

Nearest similar grid reference 100,000 metres (about 63 miles)

BROWN NUMBERED TICKS INDICATE THE 1000 METRE U.T.M. GRID ZONE 9

ROSS RIVER
YUKON TERRITORY

092834

002834

Scale 1:50,000 Échelle

Miles 1 0 1 2 3 Milles

Metres 1000 0 1000 2000 3000 4000 Mètres

Yards 1000 0 1000 2000 3000 4000 Verges

Produced, 1969, by the SURVEYS AND MAPPING BRANCH, DEPARTMENT OF ENERGY, MINES AND RESOURCES, from aerial photographs taken in 1967. Printed 1974.

Digitising of the compilation and the scribing were carried out on the Automated Cartographic System.

Copies may be obtained from the Canada Map Office, Department of Energy, Mines and Resources, Ottawa, or your nearest map dealer.

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Roads:
loose or stabilized surface, all weather
loose surface, dry weather and unclassified streets
cart track
trail or portage

Routes:
gravier aggloméré, toute saison
de gravier, temps sec et rues hors classe
de terre
sentier ou portage

2 lanes or more / 2 voies ou plus — less than 2 lanes / moins de 2 voies

This Provisional Map is equivalent to a standard map in accuracy of content.

Some names on this map are not yet official. Corrections or additions are invited by the Surveys and Mapping Branch.

CONTOUR INTERVAL 100 FEET
Elevations in Feet above Mean Sea Level
North American Datum 1927
Transverse Mercator Projection

Cette carte provisoire équivaut une carte régulière au point de vue précision de l'information.

Certains noms inscrits sur cette carte ne sont pas encore officiels. La Direction des levés et de la cartographie saurait gré au public de lui signaler corrections et additions.

ÉQUIDISTANCE DES COURBES 100 PIEDS
Élévations en pieds au-dessus du niveau moyen de la mer
Système de référence géodésique nord-américain, 1927
Projection transverse de Mercator

Établie en 1969, par la DIRECTION DES LEVÉS ET DE LA CARTOGRAPHIE, MINISTÈRE DE L'ÉNERGIE, DES MINES ET DES RESSOURCES, d'après des photographies aériennes prises en 1967. Imprimée en 1974.

La traduction en numérique de la compilation et du tracage a été réalisée par le système de cartographie automatique.

Ces cartes sont en vente au Bureau des Cartes du Canada, ministère de l'Énergie, des Mines et des Ressources, Ottawa, ou chez le vendeur le plus près.

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105 F/16
EDITION 1

105F/16

PROVISIONAL MAP
105 G/12 1:50,000

CANADA

CARTE PROVISOIRE
EDITION 1 105 G/12

Refer to this map as: 105 G/12 EDITION 1 MCE SERIES A722

Joins 105 G/13

Joins 105 G/5

Joins 105 F/9

Joins 105 G/11

P E L L Y

M O U N T A I N S

S T C Y R

R A N G E

Petty River

Petty R.

Horton Creek

Starr Creek

Starr Ck.

Water Road

Water Road

UU

UU

JAB1 Ag, Cu, Pb

JAB2

JAB3 Ag, Cu, Pb, Zn

JAB5 Cu, Pb

JAB6 Cu, Zn

JAB7

JAB16 Ag, Cu, Pb

JAB17

JAB19 Pb

JAB20 Cu, Pb

GNB1

GNB2

GNB3

GNB4

Cu, Pb

Ag, Cu, Pb, Zn

Cu, 2n

Ag

Cu

STARR CREEK
YUKON TERRITORY

092834
105G/12

Scale 1:50,000 Échelle

Miles 1 0 1 2 3 Miles
Metres 1000 0 1000 2000 3000 4000 Mètres
Yards 1000 0 1000 2000 3000 4000 Verges

CONVERSION SCALE FOR BEARINGS
Metres 0 100 200 300 400 500 600 700 800 900 1000
Feet 0 100 200 300 400 500 600 700 800 900 1000

T.N
Grid North 2°25' 43 Mils
Magnetic North 36°02' 624 Mils

Use diagram only to obtain numerical values
APPROXIMATE MEAN DECLINATION 1971
FOR CENTRE OF MAP
Annual change decreasing 4.7'

ONE THOUSAND METRE
UNIVERSAL TRANSVERSE MERCATOR GRID
ZONE 9

GRID ZONE DESIGNATION	100,000 M. SQUARE IDENTIFICATION
9V	UU

EXAMPLE OF METHOD USED TO GIVE A REFERENCE TO NEAREST 100 METRES
THE FOLLOWING GRID REFERENCE IS A SAMPLE ONLY AND DOES NOT REFER TO A POINT ON THIS MAP

REFERENCE POINT	CHURCH (as above)
EASTING. Read number on grid line immediately to left of point	97
Estimate tenths of a square from this line eastward to point	5
	975
NORTHING. Read number on grid line immediately below point	98
Estimate tenths of a square from this line northward to point	4
	984
EXAMPLE MILITARY GRID REFERENCE 975984	

Nearest similar grid reference 100,000 metres (about 63 miles)

BROWN NUMBERED TICKS INDICATE THE 1000 METRE U.T.M. GRID ZONE 8

Roads:
loose or stabilized surface, all weather
loose surface, dry weather and unstaffed streets
cart track
trail or portage

Routes:
gravier aggloméré, toute saison
de gravier, temps sec et rues, hors classe
de terre
sentier ou portage

2 lanes or more / 2 voies ou plus
less than 2 lanes / moins de 2 voies

This Provisional Map is equivalent to a standard map in accuracy of content.

Some names on this map are not yet official.
Corrections or additions are invited by the Surveys and Mapping Branch.

CONTOUR INTERVAL 100 FEET
Elevations in Feet above Mean Sea Level
North American Datum 1927
Transverse Mercator Projection

Cette carte provisoire équivaut une carte régulière au point de vue précision de l'information.

Certains noms inscrits sur cette carte ne sont pas encore officiels. La Direction des levés et de la cartographie saurait gré au public de lui signaler corrections et additions.

ÉQUIDISTANCE DES COURBES 100 PIEDS
Élévations en pieds au-dessus du niveau moyen de la mer
Système de référence geodésique nord américain 1927
Projection transverse de Mercator

Compiled by the SURVEYS AND MAPPING BRANCH, DEPARTMENT OF ENERGY, MINES AND RESOURCES. Produced by the MAPPING AND CHARTING ESTABLISHMENT, DEPARTMENT OF NATIONAL DEFENCE. Information depicted current as of 1967. Printed 1971.

Copies may be obtained from the Map Distribution Office, Department of Energy, Mines and Resources, Ottawa.

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105 G/12
EDITION 1

Claims / Geology
Placer.

ADVANCE PRINT

CANADA

ÉPREUVE PRÉLIMINAIRE

105 J/4

Military users, refer to this map as: Référence de la carte pour usage militaire:

SERIES	A701	SÉRIE	
MAP	105 J/4	CARTE	
EDITION	1 MCE	ÉDITION	

LEGEND - LÉGENDE

ROADS AND RELATED FEATURES	**ROUTES ET OUVRAGES CONNEXES**
HARD SURFACE, ALL WEATHER	SURFACE DURE, TOUTES SAISONS
LOOSE SURFACE	GRAVIER
CART TRACK, WINTER ROAD, UNDER CONSTRUCTION	CHEMIN DE TERRE, D'HIVER, EN CONSTRUCTION
TRAIL, CUTLINE, PORTAGE	SENTIER, PERCÉE, PORTAGE
BUILT UP AREA	AGGLOMÉRATION
RAILWAY, SIDING, STATION, STOP	CHEMIN DE FER, VOIE D'ÉVITEMENT, GARE, ARRÊT
BRIDGE	PONT
SEAPLANE BASE, ANCHORAGE	HYDROAÉROPORT, MOUILLAGE
LANDMARK FEATURES	**POINTS DE REPÈRE**
HOUSE, BARN	MAISON, GRANGE
CHURCH, SCHOOL	ÉGLISE, ÉCOLE
POST OFFICE	BUREAU DE POSTE
HISTORICAL SITE	LIEU HISTORIQUE
TOWERS: FIRE, RADIO	TOURS: FEU, RADIO
WELL: OIL, GAS	PUITS: PÉTROLE, GAZ
TANK: OIL, GASOLINE, WATER	RÉSERVOIR: PÉTROLE, ESSENCE, EAU
TELEPHONE LINE	LIGNE TÉLÉPHONIQUE
POWER TRANSMISSION LINE	LIGNE DE TRANSPORT D'ÉNERGIE
MINE	MINE
CUTTING, EMBANKMENT	TRANCHÉE, REMBLAI
GRAVEL PIT	FOSSE DE GRAVIER
BOUNDARIES AND CONTROL	**FRONTIÈRES ET POINTS DE RÉFÉRENCES**
INTERNATIONAL, PROVINCIAL, BOUNDARY MONUMENT	INTERNATIONALE, PROVINCE, BORNE FRONTIÈRE
COUNTY, DISTRICT	COMTÉ, DISTRICT
TOWNSHIP, PARISH — SURVEYED — UNSURVEYED	CANTON, PAROISSE — ARPENTÉ — NON ARPENTÉ
TOWNSHIP, DLS — SURVEYED — UNSURVEYED — SECTION CORNERS	CANTON, DLS — ARPENTÉ — NON ARPENTÉ — SECTION ANGULAIRE
MUNICIPALITY	MUNICIPALITÉ
INDIAN RESERVE, PARK, ETC.	RÉSERVE INDIENNE, PARC, ETC.
HORIZONTAL CONTROL POINT	REPÈRE PLANIMÉTRIQUE
BENCH MARK	REPÈRE DE NIVELLEMENT
SPOT ELEVATION, ELEVATION APPROXIMATE	POINT COTÉ, ÉLÉVATION APPROXIMATIVE
DRAINAGE AND RELATED FEATURES	**DRAINAGE ET OUVRAGES CONNEXES**
STREAM, SHORELINE: INDEFINITE	COURS D'EAU, RIVE; IMPRÉCISE
DIRECTION OF FLOW	DIRECTION DU COURANT
LAKE; INTERMITTENT	LAC; INTERMITTENT
INUNDATED, FLOODED LAND	TERRAIN INONDÉ
MARSH OR SWAMP (WOODED)	MARAIS OU MARÉCAGE (BOISÉE)
DRY RIVER BED WITH CHANNELS	LIT DE COURS D'EAU TARI AVEC CHENAUX
SAND, ABOVE, IN WATER,	SABLE, AU DESSUS, DANS L'EAU
STRING BOG	MARÉCAGES EN ENFILADE
TUNDRA PONDS, POLYGONS	TOUNDRA, ÉTANGS, SOLS POLYGONAUX
RAPIDS	RAPIDES
FORESHORE FLATS	ESTRANS
ROCK	ROCHE
DAM	BARRAGE
WHARF	QUAI
DITCH	FOSSÉ
RELIEF FEATURES	**RELIEF**
CONTOURS	COURBE DE NIVEAU
APPROXIMATE CONTOUR	COURBE DE NIVEAU APPROXIMATIF
DEPRESSION	COURBE DE CUVETTE
ESKER	ESKER
PINGO	PINGO
SAND, SAND DUNES	SABLE, DUNES
PALSA BOG	PALSE
WOODED AREA	RÉGION BOISÉE

GRID ZONE DESIGNATION: DÉSIGNATION DE LA ZONE DU QUADRILLAGE: 9V

100,000 M. SQUARE IDENTIFICATION (IDENTIFICATION DU CARRÉ DE 100,000 M.): UV, UU

EXAMPLE OF METHOD USED TO GIVE A REFERENCE TO NEAREST 100 METRES
EXEMPLE DE LA MÉTHODE EMPLOYÉE POUR FIXER DES REPÈRES À 100 MÈTRES PRÈS

REFERENCE POINT / POINT DE REPÈRE: CHURCH — ÉGLISE (as above / ci-dessus)

EASTING. Read number on grid line immediately to left of point.
LONGITUDE EST. Noter le chiffre de la ligne du quadrillage immédiatement à gauche du repère: 97
Estimate tenths of a square from this line eastward to point.
Estimer le nombre de dixièmes du carré entre cette ligne et le repère en direction est: 5 — 975

NORTHING. Read number on grid line immediately below point.
LATITUDE NORD. Noter le chiffre de la ligne du quadrillage immédiatement en-dessous du repère: 98
Estimate tenths of a square from this line northward to point.
Estimer le nombre de dixièmes du carré entre cette ligne et le repère en direction nord: 4 — 984

GRID REFERENCE SAMPLE / EXEMPLE DU QUADRILLAGE: 975984

Nearest similar grid reference 100,000 metres (about 63 miles) to the east.
La prochaine référence similaire est à 100,000 mètres (environ 63 milles) à l'est.

NOTE: GRID TICKS WITH NUMBERS IN BRACKETS OR WITHOUT NUMBERS INDICATE THE 1000 METRE U.T.M. GRID.
LES TRAITS NUMÉROTÉS ENTRE PARENTHÈSES OU SANS NUMÉRO INDIQUENT LE QUADRILLAGE DE 1000 MÈTRES U.T.M.

105 K/8	105 J/5	105 J/6
105 K/1	105 J/4	105 J/3
105 F/16	105 G/13	105 G/14

ONE THOUSAND METRE
UNIVERSAL TRANSVERSE MERCATOR GRID
ZONE 9
QUADRILLAGE DE MILLE METRES
UNIVERSEL TRANSVERSE DE MERCATOR

The 1972 MAGNETIC BEARING is 35°46' (636 mils) EAST of GRID NORTH.
Le REPÈRE MAGNÉTIQUE en 1972 est à 35°46' (636mils) EST du NORD DU QUADRILLAGE.
GRID NORTH is 2°26' (43 mils) WEST of TRUE NORTH for centre of map.
NORD DU QUADRILLAGE est 2°26' (43 mils) à l'ouest du NORD GÉOGRAPHIQUE au centre de la carte.

CONVERSION SCALE FOR ELEVATIONS
ÉCHELLE DE CONVERSION DES ÉLÉVATIONS
Metres 30 20 10 0
Feet 100 50 0 100 200 300 400 500 600 700 800 900 1000 Metres 1000 Pieds

PRODUCED BY SURVEYS AND MAPPING BRANCH, DEPARTMENT OF ENERGY, MINES AND RESOURCES, OTTAWA, 1971, FROM PHOTOGRAPHS TAKEN IN 1968.

CONTOUR INTERVAL 100 FEET

ÉTABLIE PAR LA DIRECTION DES LEVÉS ET DE LA CARTOGRAPHIE, MINISTÈRE DE L'ÉNERGIE, DES MINES ET DES RESSOURCES, OTTAWA, EN 1971, D'APRÈS DES PHOTOGRAPHIES PRISES EN 1968.

ÉQUIDISTANCE DES COURBES 100 PIEDS

MARJORIE LAKE

YUKON TERRITORY

SCALE 1:50,000 ÉCHELLE

1.25 inches to 1 mile approximately

092834

105 J/4

EDITION 1

ADVANCE PRINT

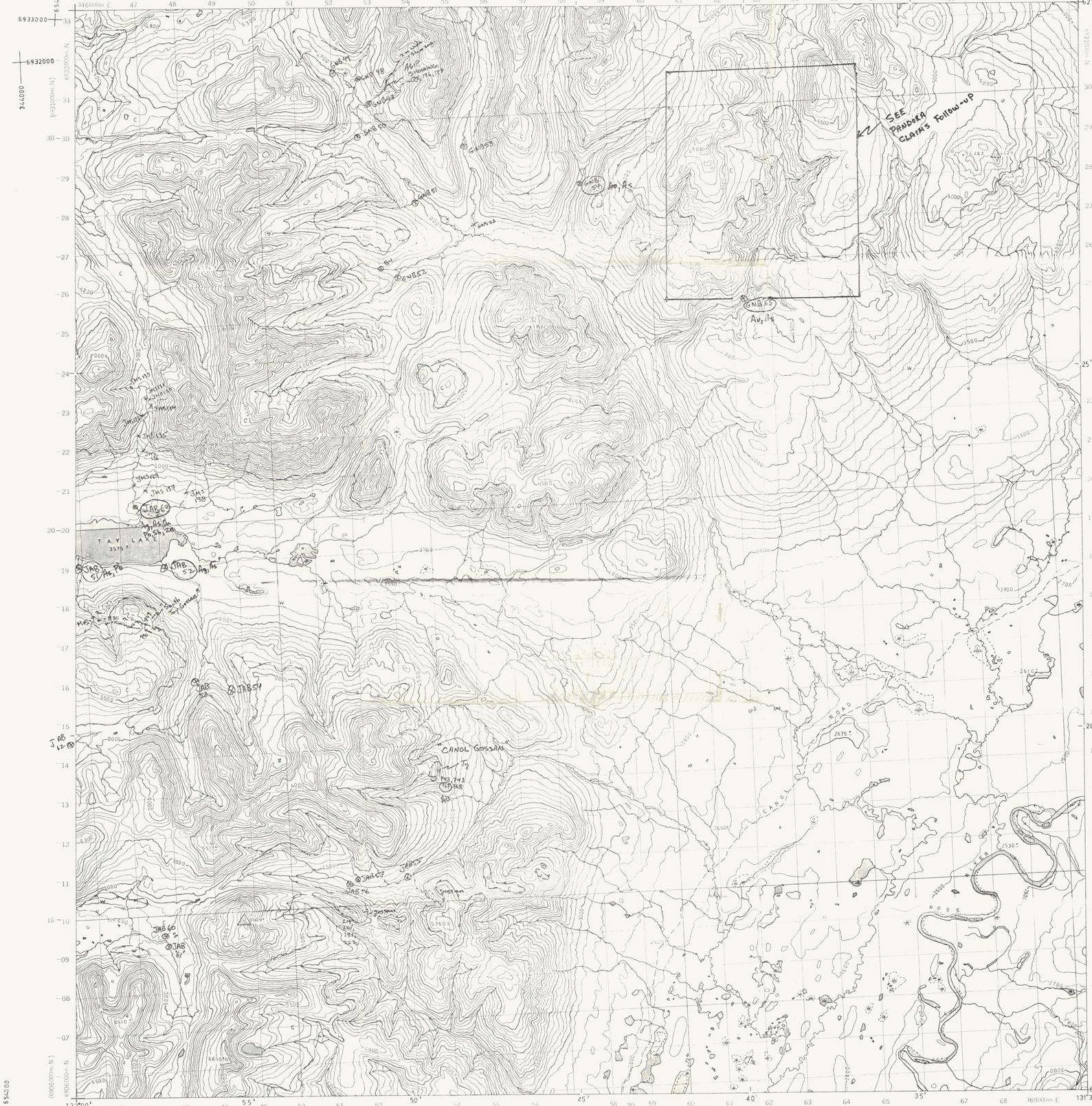
CANADA

ÉPREUVE PRÉLIMINAIRE

105 J/5

Military users, refer to this map as: Référence de la carte pour usage militaire:

SERIES	A 722	SERIE	
MAP	105 J/5	CARTE	
EDITION	1 MCE	ÉDITION	


SEE PANDORA CLAIMS Follow-up
CANOL ROAD
CANOL GOSSAN
TAY LAKE
3575
Gossan
Ag, Au, Pb, Zn
Ag, Au, Pb
Ag, Au
Ag, Pb
Au, Ag
Au
Pb, Zn
Ag
Gossan
Ag, Pb
Ag, Au
Ag, Au
Ag, Au

105 J/11 1:50 000 **METRIC** Canada **MÉTRIQUE** EDITION 1 105 J/11

MACMILLAN PASS 90 KM

373000m. E. 74 75 76 77 78 79 80 81 82 83 84 86 87 88 89 90 91 92 93 94 95 96 397000m. E.

62°45′ 40′ 35′ 62°30′

131°30′ 25′ 20′ 15′ 10′ 05′ 131°00′

372000m. E. ROSS RIVER 90 KM 396000m. E.

6950000m. N. 6932000m. N.

METRIC/MÉTRIQUE

METRIC/MÉTRIQUE

MOUNT RIDDELL

SHELDON LAKE

FIELD LAKE

SHELDON RIVER

ROSS RIVER

LEWIS RIVER

PREVOST RIVER

DRAGON LAKE

TWIN CREEK AIRFIELD

YUKON PLATEAU

PREVOST CANYON

JAB 30 GNB 15 GNB 14 JAB 29 GNB 13 GNB 12 JAB 31 JAB 32 GNB 16

LEGEND - LÉGENDE

ROAD, HARD SURFACE, ALL WEATHER	ROUTE, SURFACE DURCIE, TOUTES SAISONS
ROAD, LOOSE SURFACE	ROUTE, SURFACE DE GRAVIER
CART TRACK, WINTER ROAD	CHEMIN DE CHARROI, ROUTE D'HIVER
TRAIL, CUT LINE, PORTAGE	SENTIER, PERCÉE OU PORTAGE
BUILT-UP AREA	AGGLOMÉRATION
RAILWAY; SIDING; STATION; STOP	CHEMIN DE FER; VOIE D'ÉVITEMENT; STATION; ARRÊT
BRIDGE	PONT
SEAPLANE BASE; SEAPLANE ANCHORAGE	BASE D'HYDRAVIONS; ANCRAGE D'HYDRAVIONS
HOUSE; BARN	MAISON; GRANGE
CHURCH; SCHOOL	ÉGLISE; ÉCOLE
POST OFFICE	BUREAU DE POSTE
TOWER; FIRE; RADIO	TOUR; FEU; RADIO
WELL; OIL; GAS	PUITS; PÉTROLE, GAZ
TANK; OIL, GASOLINE, WATER	RÉSERVOIR; PÉTROLE, ESSENCE, EAU
POWER TRANSMISSION LINE	LIGNE DE TRANSPORT D'ÉNERGIE
MINE	MINE
CUTTING; EMBANKMENT	DÉBLAI; REMBLAI
GRAVEL PIT (G)	CARRIÈRE DE GRAVIER
INTERNATIONAL, PROVINCIAL BOUNDARY WITH MONUMENT	FRONTIÈRE INTERNATIONALE; LIMITE PROVINCIALE AVEC BORNE
COUNTY, DISTRICT BOUNDARY	LIMITE DE COMTÉ OU DE DISTRICT
TOWNSHIP, PARISH BOUNDARY	LIMITE DE CANTON, DE PAROISSE
D.L.S. TOWNSHIP CORNER: SURVEYED; UNSURVEYED	COIN DE CANTON (A.T.C.): ARPENTÉ; NON ARPENTÉ
D.L.S. SECTION CORNERS	COINS DE SECTION (A.T.C.)
MUNICIPALITY BOUNDARY	LIMITE DE MUNICIPALITÉ
RESERVE, PARK, ETC. BOUNDARY	LIMITE DE RÉSERVE, DE PARC, ETC.
HORIZONTAL CONTROL POINT	POINT DE CONTRÔLE PLANIMÉTRIQUE
BENCH MARK WITH ELEVATION 365 →	REPÈRE DE NIVELLEMENT AVEC COTE
SPOT ELEVATION, PRECISE: LAND; WATER 397 221±	POINT COTÉ PRÉCIS: SUR TERRE; SUR L'EAU
STREAM OR SHORELINE: INDEFINITE	COURS D'EAU OU RIVE: IMPRÉCIS
DIRECTION OF FLOW	DIRECTION DU COURANT
LAKE; INTERMITTENT LAKE; PONDS	LAC; LAC INTERMITTENT; ÉTANGS
FLOODED LAND	TERRAIN INONDÉ
MARSH; SWAMP (WOODED)	MARAIS; BOISÉ MARÉCAGEUX
DRY RIVER BED WITH CHANNELS	LIT DE RIVIÈRE ASSÈCHÉ AVEC CHENAUX
STRING BOG	FONDRIÈRE À FILAMENTS
TUNDRA; LAKES IN TUNDRA; POLYGONS (LT) (PG)	TOUNDRA; LACS EN TOUNDRA; POLYGONES DE TOUNDRA
RAPIDS; FALLS; RAPIDS	RAPIDES; CHUTES; RAPIDES
FORESHORE FLATS, SAND IN WATER	ESTRANS, SABLE SOUS L'EAU
ROCKS	ROCHES
DAM	BARRAGE
WHARF	QUAI
DITCH	FOSSÉ
CONTOURS 400	COURBES DE NIVEAU
APPROXIMATE CONTOURS	COURBES DE NIVEAU APPROXIMATIVES
DEPRESSION CONTOUR	COURBE DE CUVETTE
CLIFF	FALAISE
SPOT ELEVATION, APPROXIMATE: LAND; WATER 965 590±	POINT COTÉ, APPROXIMATIF: SUR TERRE; SUR L'EAU
ESKER	ESKER
SAND, SAND DUNES	SABLE, DUNES DE SABLE
PALSA BOG (PA)	FONDRIÈRE DE PALSE
WOODED AREA, FOREST (F)	SURFACE BOISÉE, FORÊT
CLEARED AREA (C)	ESPACE DÉNUDÉ, CLAIRIÈRE

Military users, refer to this map as: / Référence de cette carte pour usage militaire: SERIES A 701 SÉRIE; MAP 105 J/11 CARTE; EDITION 1 MCE ÉDITION

PHOTOGRAPHY COMPILATION / PHOTOGRAPHIE RESTITUTION

A-24778 8777 83 — A-20696 8/68 111 113 — A-24778 8/777 24 26 — A-21244 8/69 10 — A-24778 8/77 149 148 — A-21292 9/69 9 11 — A-24961 7/78 33 — A-24778 8/77 8

REVISION / RÉVISION

GRID ZONE DESIGNATION / DÉSIGNATION DE LA ZONE DU QUADRILLAGE: 9V

100 000 m SQUARE IDENTIFICATION / IDENTIFICATION DU CARRÉ DE 100 000 m: UV

EXAMPLE OF METHOD USED TO GIVE A REFERENCE TO NEAREST 100 METRES / EXEMPLE DE LA MÉTHODE EMPLOYÉE POUR FIXER DES REPÈRES À 100 MÈTRES PRÈS

REFERENCE POINT / POINT DE REPÈRE: CHURCH - ÉGLISE (as above / ci-dessus)

EASTING: Read number on grid line immediately to left of point. ABSCISSE: Noter le chiffre de la ligne du quadrillage immédiatement à gauche du repère: 97. Estimate tenths of a square from this line eastward to point. Estimer le nombre de dixièmes du carré entre cette ligne et le repère en direction est: 5. 975

NORTHING: Read number on grid line immediately below point. ORDONNÉE: Noter le chiffre de la ligne du quadrillage immédiatement en-dessous du repère: 98. Estimate tenths of a square from this line northward to point. Estimer le nombre de dixièmes du carré entre cette ligne et le repère en direction nord: 4. 984

GRID REFERENCE / RÉFÉRENCE AU QUADRILLAGE: 975984

Nearest similar grid reference (100 000 metres (about 63 miles) / La prochaine référence similaire est à 100 000 mètres (environ 63 miles)

ONE THOUSAND METRE UNIVERSAL TRANSVERSE MERCATOR GRID ZONE 9 / QUADRILLAGE DE MILLE MÈTRES TRANSVERSE UNIVERSEL DE MERCATOR

105 J/13	105 J/14	105 J/15
105 J/12	105 J/11	105 J/10
105 J/5	105 J/6	105 J/7

The 1983 MAGNETIC BEARING is 34°23′ (611 mils) EAST of GRID NORTH.

ANNUAL CHANGE DECREASING 7.8′

GRID NORTH is 2°00′ (36 mils) WEST of TRUE NORTH for centre of map.

Le REPÈRE MAGNÉTIQUE en 1983 est à 34°23′ (611 mils) À L'EST du NORD DU QUADRILLAGE.

VARIATION ANNUELLE DÉCROISSANTE 7.8′

NORD DU QUADRILLAGE est à 2°00′ (36 mils) à l'OUEST du NORD GÉOGRAPHIQUE au centre de la carte.

CONVERSION SCALE FOR ELEVATIONS / ÉCHELLE DE CONVERSION DES ALTITUDES

Metres 30 20 10 0 — 50 100 150 200 250 300 Metres

Feet 100 50 0 — 100 200 300 400 500 600 700 800 900 1000 Pieds

PRODUCED BY THE SURVEYS AND MAPPING BRANCH, DEPARTMENT OF ENERGY, MINES AND RESOURCES, OTTAWA. PUBLISHED IN 1982.

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ELEVATIONS IN METRES ABOVE MEAN SEA LEVEL

CONTOUR INTERVAL ..... 20 METRES

NORTH AMERICAN DATUM 1927

TRANSVERSE MERCATOR PROJECTION

INFORMATION CONCERNING LOCATION AND PRECISE ELEVATION OF BENCH MARKS CAN BE OBTAINED BY WRITING TO THE GEODETIC SURVEY, SURVEYS AND MAPPING BRANCH, OTTAWA

FIELD LAKE

YUKON TERRITORY

Scale 1:50 000 Échelle

Miles 1 0 1 2 3 Miles

Metres 1000 0 1000 2000 3000 4000 Metres

Yards 1000 0 1000 2000 3000 4000 Verges

ALTITUDES EN MÈTRES

ÉQUIDISTANCE DES COURBES ..... 20 MÈTRES

SYSTÈME DE RÉFÉRENCE GÉODÉSIQUE NORD-AMÉRICAIN 1927.

PROJECTION TRANSVERSE DE MERCATOR

ON PEUT OBTENIR DES RENSEIGNEMENTS SUR LE LIEU ET L'ALTITUDE EXACTE DES REPÈRES DE NIVELLEMENT EN ÉCRIVANT AUX LEVÉS GÉODÉSIQUES, DIRECTION DES LEVÉS ET DE LA CARTOGRAPHIE, OTTAWA

ÉTABLIE PAR LA DIRECTION DES LEVÉS ET DE LA CARTOGRAPHIE, MINISTÈRE DE L'ÉNERGIE, DES MINES ET DES RESSOURCES, OTTAWA. PUBLIÉE EN 1982.

CES CARTES SONT EN VENTE AU BUREAU DES CARTES DU CANADA, MINISTÈRE DE L'ÉNERGIE, DES MINES ET DES RESSOURCES, OTTAWA, OU CHEZ LE VENDEUR LE PLUS PRÈS.

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092834

105J/11

FIELD LAKE
105 J/11
EDITION 1

Energy, Mines and Resources Canada / Énergie, Mines et Ressources Canada

105 J/12 (654000m. E.) 1:50 000 **METRIC** Canada **MÉTRIQUE** EDITION 1 105 J/12 (678000m. E.)

Military users, refer to this map as: / Référence de cette carte pour usage militaire: SERIES A 701 SÉRIE; MAP 105 J/12 CARTE; EDITION 1 MCE ÉDITION

LEGEND - LÉGENDE

ROAD, HARD SURFACE, ALL WEATHER	ROUTE, SURFACE DURCIE, TOUTES SAISONS
ROAD, LOOSE SURFACE	ROUTE, SURFACE DE GRAVIER
CART TRACK, WINTER ROAD	CHEMIN DE CHARROI, ROUTE D'HIVER
TRAIL, CUT LINE, PORTAGE	SENTIER, PERCÉE OU PORTAGE
BUILT-UP AREA	AGGLOMÉRATION
RAILWAY, SIDING, STATION, STOP	CHEMIN DE FER, VOIE D'ÉVITEMENT, STATION, ARRÊT
BRIDGE	PONT
SEAPLANE BASE, SEAPLANE ANCHORAGE	BASE D'HYDRAVIONS, ANCRAGE D'HYDRAVIONS
HOUSE, BARN	MAISON, GRANGE
CHURCH, SCHOOL	ÉGLISE, ÉCOLE
POST OFFICE	BUREAU DE POSTE
TOWER, FIRE, RADIO	TOUR, FEU, RADIO
WELL, OIL, GAS	PUITS, PÉTROLE, GAZ
TANK, OIL, GASOLINE, WATER	RESERVOIR, PÉTROLE, ESSENCE, EAU
POWER TRANSMISSION LINE	LIGNE DE TRANSPORT D'ÉNERGIE
MINE	MINE
CUTTING, EMBANKMENT	DÉBLAI, REMBLAI
GRAVEL PIT	CARRIÈRE, DE GRAVIER
INTERNATIONAL, PROVINCIAL BOUNDARY WITH MONUMENT	FRONTIÈRE INTERNATIONALE, LIMITE PROVINCIALE AVEC BORNE
COUNTY, DISTRICT BOUNDARY	LIMITE DE COMTÉ OU DE DISTRICT
TOWNSHIP, PARISH BOUNDARY	LIMITE DE CANTON, DE PAROISSE
D.L.S. TOWNSHIP CORNER: SURVEYED, UNSURVEYED	COIN DE CANTON (A.T.C.): ARPENTÉ, NON ARPENTÉ
D.L.S. SECTION CORNERS	COINS DE SECTION (A.T.C.)
MUNICIPALITY BOUNDARY	LIMITE DE MUNICIPALITÉ
RESERVE, PARK, ETC. BOUNDARY	LIMITE DE RÉSERVE, DE PARC, ETC.
HORIZONTAL CONTROL POINT	POINT DE CONTRÔLE PLANIMÉTRIQUE
BENCH MARK WITH ELEVATION	REPÈRE DE NIVELLEMENT AVEC COTE
SPOT ELEVATION, PRECISE: LAND, WATER	POINT COTÉ, PRÉCIS: SUR TERRE, SUR L'EAU
STREAM OR SHORELINE, INDEFINITE	COURS D'EAU OU RIVE, IMPRÉCIS
DIRECTION OF FLOW	DIRECTION DU COURANT
LAKE, INTERMITTENT LAKE, PONDS	LAC, LAC INTERMITTENT, ÉTANGS
FLOODED LAND	TERRAIN INONDÉ
MARSH, SWAMP (WOODED)	MARAIS, BOISÉ MARÉCAGEUX
DRY RIVER BED WITH CHANNELS	LIT DE RIVIÈRE ASSÉCHÉ AVEC CHENAUX
STRING BOG	FONDRIÈRE À FILAMENTS
TUNDRA, LAKES IN TUNDRA, POLYGONS	TOUNDRA, LACS EN TOUNDRA, POLYGONES DE TOUNDRA
RAPIDS, FALLS, RAPIDS	RAPIDES, CHUTES, RAPIDES
FORESHORE FLATS, SAND IN WATER	ESTRANS, SABLE SOUS L'EAU
ROCKS	ROCHES
DAM	BARRAGE
WHARF	QUAI
DITCH	FOSSÉ
CONTOURS	COURBES DE NIVEAU
APPROXIMATE CONTOURS	COURBES DE NIVEAU APPROXIMATIVES
DEPRESSION CONTOUR	COURBE DE CUVETTE
CLIFF	FALAISE
SPOT ELEVATION, APPROXIMATE: LAND, WATER	POINT COTÉ, APPROXIMATIF: SUR TERRE, SUR L'EAU
ESKER	ESKER
SAND, SAND DUNES	SABLE, DUNES DE SABLE
PALSA BOG	FONDRIÈRE DE PALSE
WOODED AREA, FOREST	SURFACE BOISÉE, FORÊT
CLEARED AREA	ESPACE DÉNUDÉ, CLAIRIÈRE

METRIC/MÉTRIQUE

SELWYN MOUNTAINS

YUKON PLATEAU

RIDDELL RIVER

DRAGON LAKE

Dragon Lake Gossan

Gossan GNS16

GNS17

GNS15

See Fire Claims Report

PHOTOGRAPHY PHOTOGRAPHIE

COMPILATION	RESTITUTION
A-20696 43	8/68 47
A-20696 118	8/68 113
A-20695 53	8/68 52
A-21244 13	8/69 11
A-20695 48	8/68 50
A-21292 6	9/69 8
A-20693 1	8/68 105

REVISION RÉVISION

GRID ZONE DESIGNATION / DÉSIGNATION DE LA ZONE DU QUADRILLAGE: 9V

100 000 m SQUARE IDENTIFICATION / IDENTIFICATION DU CARRÉ DE 100 000 m: UV

EXAMPLE OF METHOD USED TO GIVE A REFERENCE TO NEAREST 100 METRES
EXEMPLE DE LA MÉTHODE EMPLOYÉE POUR FIXER DES REPÈRES À 100 MÈTRES PRÈS

REFERENCE POINT / POINT DE REPÈRE: CHURCH - ÉGLISE (as above / ci-dessus)

EASTING: Read number on grid line immediately to left of point. ABSCISSE: Noter le chiffre de la ligne du quadrillage immédiatement à gauche du repère: 97
Estimate tenths of a square from this line eastward to point: Estimer le nombre de dixièmes du carré entre cette ligne et le repère en direction est: 5 — 975

NORTHING: Read number on grid line immediately below point. ORDONNÉE: Noter le chiffre de la ligne du quadrillage immédiatement en-dessous du repère: 98
Estimate tenths of a square from this line northward to point. Estimer le nombre de dixièmes du carré entre cette ligne et le repère en direction nord: 4 — 984

GRID REFERENCE / RÉFÉRENCE AU QUADRILLAGE: 975984

Nearest similar grid reference 100 000 metres (about 63 miles). La prochaine référence similaire est à 100 000 mètres (environ 63 milles).

ONE THOUSAND METRE
UNIVERSAL TRANSVERSE MERCATOR GRID
ZONE 9
QUADRILLAGE DE MILLE MÈTRES
TRANSVERSE UNIVERSEL DE MERCATOR

105 K/16	105 J/13	105 J/14
105 K/9	105 J/12	105 J/11
105 K/8	105 J/5	105 J/6

The 1983 MAGNETIC BEARING is 34°45' (618 mils) EAST of GRID NORTH.
ANNUAL CHANGE DECREASING 7.6'
GRID NORTH is 2°27' (43 mils) WEST of TRUE NORTH for centre of map.

Le REPÈRE MAGNÉTIQUE en 1983 est à 34°45' (618 mils) à l'EST du NORD DU QUADRILLAGE.
VARIATION ANNUELLE DÉCROISSANTE 7.6'
NORD DU QUADRILLAGE est à 2°27' (43 mils) à l'OUEST du NORD GÉOGRAPHIQUE au centre de la carte.

NOTE: GRID TICKS WITH NUMBERS IN BRACKETS OR WITHOUT NUMBERS INDICATE THE 1000 METRE U.T.M. GRID. ZONE 8
NOTER: LES TRAITS NUMÉROTÉS ENTRE PARENTHÈSES OU SANS NUMÉRO INDIQUENT LE QUADRILLAGE DE 1000 MÈTRES U.T.M.

CONVERSION SCALE FOR ELEVATIONS
ÉCHELLE DE CONVERSION DES ALTITUDES

Metres 30 20 10 0 — 50 100 150 200 250 300 Metres
Feet 100 50 0 — 100 200 300 400 500 600 700 800 900 1000 Pieds

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ELEVATIONS IN METRES ABOVE MEAN SEA LEVEL
CONTOUR INTERVAL ..... 20 METRES
NORTH AMERICAN DATUM 1927
TRANSVERSE MERCATOR PROJECTION

INFORMATION CONCERNING LOCATION AND PRECISE ELEVATION OF BENCH MARKS CAN BE OBTAINED BY WRITING TO THE GEODETIC SURVEY, SURVEYS AND MAPPING BRANCH, OTTAWA.

092834

YUKON TERRITORY

Scale 1:50 000 Échelle

Miles 1 0 1 2 3 Miles
Metres 1000 0 1000 2000 3000 4000 Mètres
Yards 1000 0 1000 2000 3000 4000 Yarges

105J/12

ALTITUDES EN MÈTRES
ÉQUIDISTANCE DES COURBES ..... 20 MÈTRES
SYSTÈME DE RÉFÉRENCE GÉODÉSIQUE NORD-AMÉRICAIN 1927
PROJECTION TRANSVERSE DE MERCATOR

ON PEUT OBTENIR DES RENSEIGNEMENTS SUR LE LIEU ET L'ALTITUDE EXACTE DES REPÈRES DE NIVELLEMENT EN S'ÉCRIVANT AUX LEVÉS GÉODÉSIQUES, DIRECTION DES LEVÉS ET DE LA CARTOGRAPHIE, OTTAWA.

ÉTABLIE PAR LA DIRECTION DES LEVÉS ET DE LA CARTOGRAPHIE, MINISTÈRE DE L'ÉNERGIE, DES MINES ET DES RESSOURCES, OTTAWA. PUBLIÉE EN 1982.

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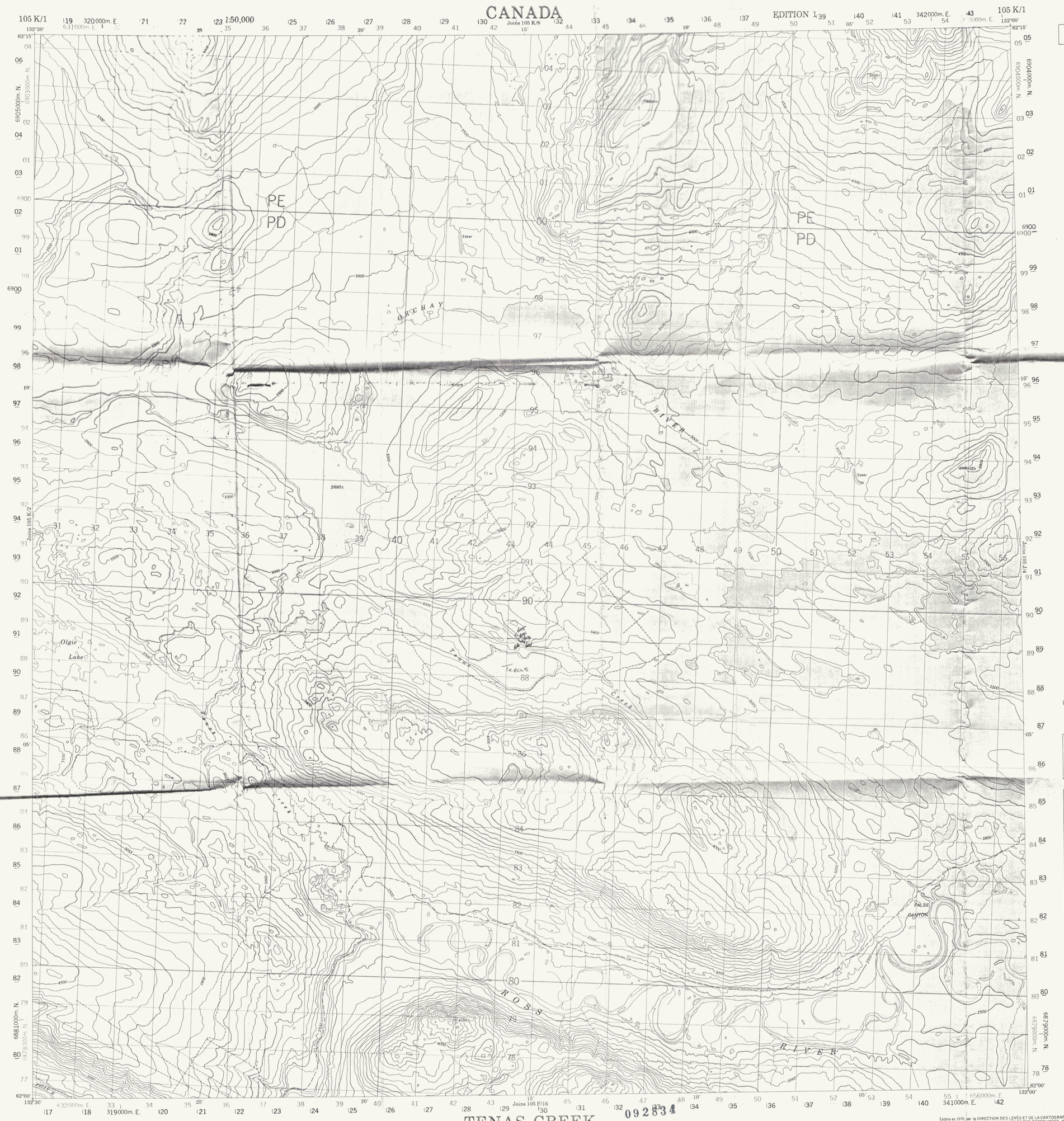
Office Copy

105 J/12
EDITION 1

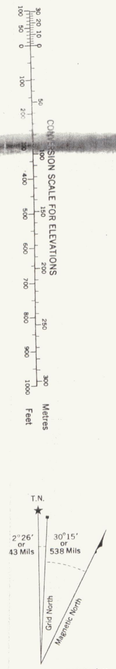
Energy, Mines and Resources Canada / Énergie, Mines et Ressources Canada


F
1054
C
1100
1300
1120
1200
1500
1600
1248
900
880
.848
RIVER
78
(80)
77
76
75
74
73
72
71
70
50'
69
68
(70)
67
66
65
64
PINGO
DITCH
CONTO
APPRO
DEPRE
CLIFF
SPOT E
ESKER
SAND,
HISTOR
WOODE

105·J/13



Refer to this map as: 105 K/1 EDITION 1 MCE SERIES A 722

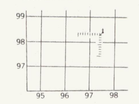


Use diagram only to obtain numerical values.
APPROXIMATE MEAN DECLINATION 1972
FOR CENTRE OF MAP
Annual change decreasing 4.2'

ONE THOUSAND METRE
UNIVERSAL TRANSVERSE MERCATOR GRID
ZONE 8

GRID ZONE DESIGNATION	100,000 M. SQUARE IDENTIFICATION
8 V	PE / PD 69

EXAMPLE OF METHOD USED
TO GIVE A REFERENCE TO NEAREST 100 METRES
THE FOLLOWING GRID REFERENCE IS A SAMPLE ONLY AND DOES NOT REFER TO A POINT ON THIS MAP



REFERENCE POINT	CHURCH (as above)	
EASTING: Read number on grid line immediately to left of point	97	
Estimate tenths of a square from this line eastward to point		5
	975	
NORTHING: Read number on grid line immediately below point	98	
Estimate tenths of a square from this line northward to point		4
	984	

EXAMPLE MILITARY GRID REFERENCE 975984

Nearest similar grid reference 100,000 metres (about 63 miles)

BROWN NUMBERED TICKS INDICATE
THE 1000 METRE U.T.M. GRID
ZONE 9

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Roads: cart track..... trail or portage.....

Routes: de terre..... sentier ou portage.....

TENAS CREEK
YUKON TERRITORY

092834

105 K/1

Scale 1:50,000 Échelle

Miles 1 0 1 2 3 Milles
Metres 1000 0 1000 2000 3000 4000 Mètres
Yards 1000 0 1000 2000 3000 4000 Verges

This Provisional Map is equivalent to a standard map in accuracy of content.

Some names on this map are not yet official. Corrections or additions are invited by the Surveys and Mapping Branch.

CONTOUR INTERVAL 100 FEET
Elevations in Feet above Mean Sea Level
North American Datum 1927
Transverse Mercator Projection

Cette carte provisoire équivaut une carte régulière au point de vue précision de l'information.

Certains noms inscrits sur cette carte ne sont pas encore officiels. La Direction des levés et de la cartographie saurait gré au public de lui signaler corrections et additions.

ÉQUIDISTANCE DES COURBES 100 PIEDS
Élévations en pieds au-dessus du niveau moyen de la mer
Système de référence géodésique nord-américain, 1927
Projection transverse de Mercator

Établie en 1970, par la DIRECTION DES LEVÉS ET DE LA CARTOGRAPHIE, MINISTÈRE DE L'ÉNERGIE, DES MINES ET DES RESSOURCES, d'après des photographies aériennes prises en 1967-1968. Levés sur le terrain en 1967. Imprimée en 1973.

La traduction en numérique de la compilation et du tracage a été réalisée par le système de cartographie automatique.

Ces cartes sont en vente au Bureau des Cartes du Canada, ministère de l'Énergie, des Mines et des Ressources, Ottawa, ou chez le vendeur le plus près.

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105 K/1
EDITION 1

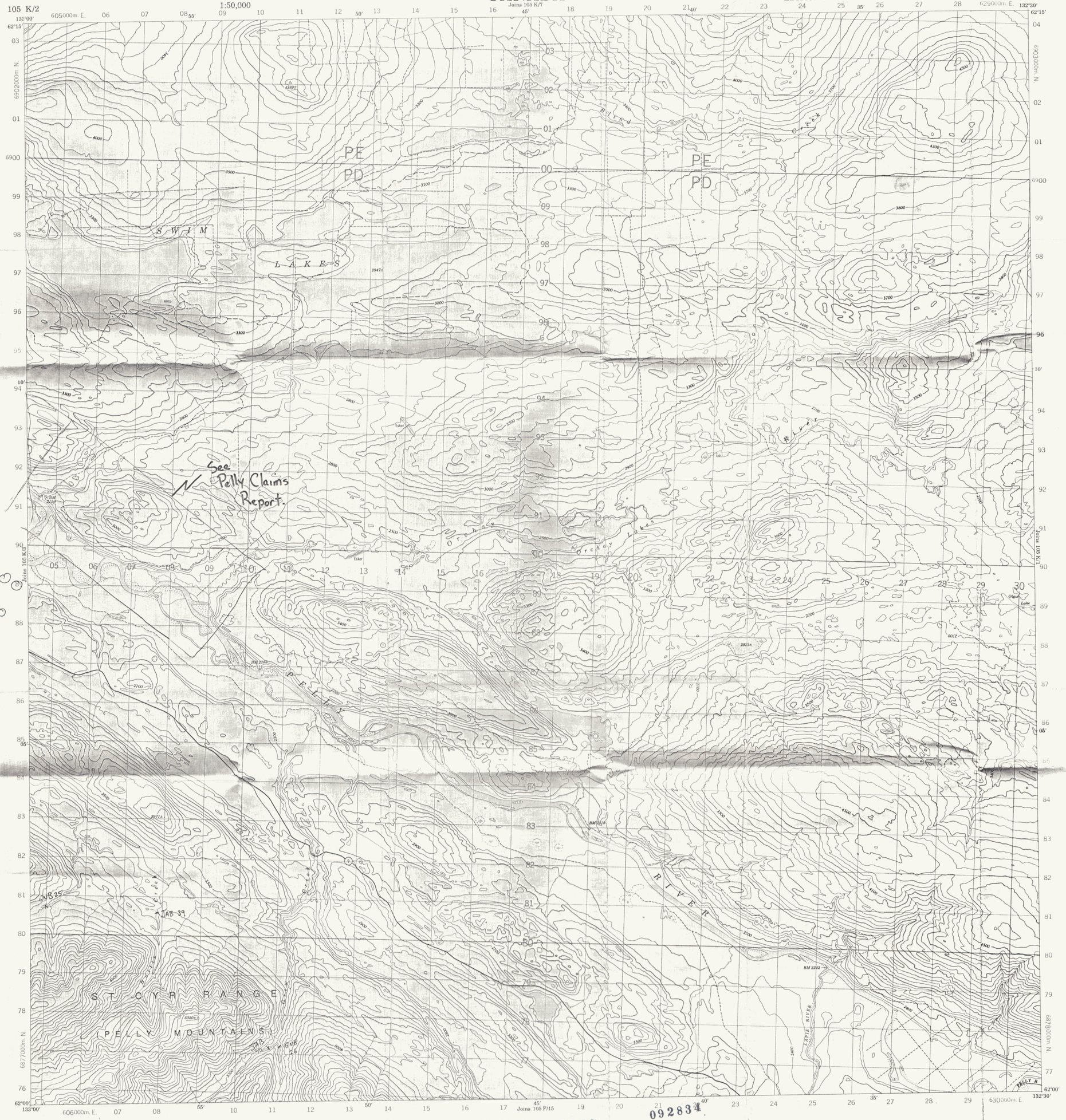
CANADA

EDITION 1

105 K/2

1:50,000

Joins 105 K/7



Refer to this map as: 105 K/2 EDITION 1 MCE SERIES A 722

CONVERSION SCALE FOR ELEVATIONS

Metres

Feet

T.N.

1°59' or 35 Mils

30°35' or 544 Mils

Grid North

Magnetic North

Use diagram only to obtain numerical values.
APPROXIMATE MEAN DECLINATION 1972
FOR CENTRE OF MAP
Annual change decreasing 4.1'

ONE THOUSAND METRE
UNIVERSAL TRANSVERSE MERCATOR GRID
ZONE 8

GRID ZONE DESIGNATION: 8V

100 000 M SQUARE IDENTIFICATION: PE / PD 69

EXAMPLE OF METHOD USED TO GIVE A REFERENCE TO NEAREST 100 METRES

THE FOLLOWING GRID REFERENCE IS A SAMPLE ONLY AND DOES NOT REFER TO A POINT ON THIS MAP

99 98 97 95 96 97 98

REFERENCE POINT	CHURCH (as above)	
EASTING: Read number on grid line immediately to left of point	97	
Estimate tenths of a square from this line eastward to point		5
		975
NORTHING: Read number on grid line immediately below point	98	
Estimate tenths of a square from this line northward to point		4
		984

EXAMPLE MILITARY GRID REFERENCE 975984

Nearest similar grid reference 100,000 metres (about 63 miles)

Master

092834

105 K/2

SWIM LAKES
YUKON TERRITORY

Scale 1:50,000 Échelle

Miles 1 0 1 2 3 Milles

Metres 1000 0 1000 2000 3000 4000 Mètres

Yards 1000 0 1000 2000 3000 4000 Verges

Produced 1970, by the SURVEYS AND MAPPING BRANCH, DEPARTMENT OF ENERGY, MINES AND RESOURCES, from aerial photographs taken in 1967 - 1968. Field surveys 1960 and 1967. Printed 1973.

Digitising of the compilation and the scribing were carried out on the Automated Cartographic System.

Copies may be obtained from the Canada Map Office, Department of Energy, Mines and Resources, Ottawa, or your nearest map dealer.

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Roads:
loose or stabilized surface, all weather...
loose surface, dry weather and unclassified streets.....
cart track.....
trail or portage.....

Routes:
gravier aggloméré, toute saison...
de gravier, temps sec et rues hors classe.....
de terre.....
sentier ou portage.....

2 lanes or more / 2 voies ou plus — less than 2 lanes / moins de 2 voies

This Provisional Map is equivalent to a standard map in accuracy of content.

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CONTOUR INTERVAL 100 FEET
Elevations in Feet above Mean Sea Level
North American Datum 1927
Transverse Mercator Projection

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ÉQUIDISTANCE DES COURBES 100 PIEDS
Élévations en pieds au-dessus du niveau moyen de la mer
Système de référence géodésique nord-américain, 1927
Projection transverse de Mercator

Établie en 1970 par la DIRECTION DES LEVÉS ET DE LA CARTOGRAPHIE, MINISTÈRE DE L'ÉNERGIE, DES MINES ET DES RESSOURCES, d'après des photographies aériennes prises en 1967-1968. Levés sur le terrain en 1960 et 1967. Imprimée en 1973.

La traduction en numérique de la compilation et du traçage a été réalisée par le système de cartographie automatique.

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105 K/2
EDITION 1

CANADA

105 K/3 — 1:50,000 — EDITION 1 — 105 K/3

Refer to this map as: 105 K/3 EDITION 1 MCE SERIES A 722

133°30' — 579000m. E. — 133°00' — 603000m. E. — 62°15' — 62°00'

Joins 105 K/6 — Joins 105 K/4 — Joins 105 K/2 — Joins 105 F/14

NE PE
ND PD

P E L L Y — R I V E R

Butte Creek — Muendly Creek — Slats Creek

S T — C y r — R A N G E

(P E L L Y — M O U N T A I N S)

Eskers — Eskers — Cairn — Trailer Park — Fuel — Airfield — BM 2101 — BM 2124

Cut Line — Trail — Pipeline — Power Line

GNB X-24 — JAB 28 — GNB X-23 — GNB X-24

CONVERSION SCALE FOR ELEVATIONS
Metres — Feet

T.N.
Grid North — Magnetic North
1°33' or 28 Mils — 30°54' or 549 Mils

Use diagram only to obtain numerical values.
APPROXIMATE MEAN DECLINATION 1972
FOR CENTRE OF MAP
Annual change decreasing 4.0'

ONE THOUSAND METRE
UNIVERSAL TRANSVERSE MERCATOR GRID
ZONE 8

GRID ZONE DESIGNATION: 8 V

100,000 M SQUARE IDENTIFICATION: NE | PE | ND | PD | 69 | 6

EXAMPLE OF METHOD USED TO GIVE A REFERENCE TO NEAREST 100 METRES
THE FOLLOWING GRID REFERENCE IS A SAMPLE ONLY AND DOES NOT REFER TO A POINT ON THIS MAP

REFERENCE POINT	CHURCH	(as above)
EASTING: Read number on grid line immediately to left of point	97	
Estimate tenths of a square from this line eastward to point		5
NORTHING: Read number on grid line immediately below point	98	975
Estimate tenths of a square from this line northward to point		4
EXAMPLE MILITARY GRID REFERENCE 975984		984

Nearest similar grid reference 100,000 metres (about 63 miles)

Master

Produced by the SURVEYS AND MAPPING BRANCH, DEPARTMENT OF ENERGY, MINES AND RESOURCES, from aerial photographs taken in 1967-1968. Field Surveys 1960 and 1967. Printed 1973.

Digitising of the compilation and the scribing were carried out on the Automated Cartographic System.

Copies may be obtained from the Canada Map Office, Department of Energy, Mines and Resources, Ottawa, or your nearest map dealer.

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Roads: — Routes:

		2 lanes or more / 2 voies ou plus	less than 2 lanes / moins de 2 voies
loose or stabilized surface, all weather	gravier aggloméré, toute saison		
loose surface, dry weather and unclassified streets	de gravier, temps sec et rues hors classé		
cart track	de terre		
trail or portage	sentier ou portage		

FARO
YUKON TERRITORY

Scale 1:50,000 Échelle

Miles 1 — 0 — 1 — 2 — 3 Miles
Metres 1000 — 0 — 1000 — 2000 — 3000 — 4000 Mètres
Yards 1000 — 0 — 1000 — 2000 — 3000 — 4000 Verges

092B3A 105K/3

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105 K/3
EDITION 1