ASSESSMENT REPORT

ON THE

1981 PROGRAM OF GEOCHEMICAL SOIL SAMPLING AND GEOPHYSICAL SURVEYING

ON THE

PATRICIA #5-22 MINERAL CLAIM GROUP

GRANT NOS. YA57500-YA57517

HYLAND RIVER - LOWER HYLAND LAKE AREA

WATSON LAKE MINING DISTRICT

YUKON TERRITORY

N. Lat. 61°03' W. Long. 128°16'

105-H-1

for

KINAI RESOURCES CORPORATION
Suite 704
525 Seymour Street
Vancouver, B.C.

by

DONALD W. TULLY, P. ENG.

June 4, 1982 West Vancouver, B.C.

091066

DON TULLY ENGINEERING LTD.
SUITE 102 - 2222 BELLEVUE AVENUE
WEST VANCOUVER, BRITISH COLUMBIA
V7V 1C7

This report has been examined by the Geological Evaluation Unit under Section 53 (4) Yukon Quartz Mining Act and is allowed as representation work in the amount of $ 9,000 —.

for Regional Manager, Exploration and Geological Services for Commissioner of Yukon Territory.

DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT

YUKON QUARTZ MINING ACT

FORM "C" - APPLICATION FOR A CERTIFICATE OF WORK

RECEIVED
1981 SEP 28
MINING RECORDER
WATSON LAKE, Y.T.
I.A. & N.D.

(This form required in duplicate with sketch showing location of work.)

I (Name)	John C. Turner	Occupation	Pospector
(Postal Address)	Box 94, Watson Lake, Y. T.		OFFICE DATE STAMP

MAKE OATH AND SAY, THAT:

1. I am ~~the owner~~, or agent of the owner, of the mineral claim(s) to which reference is made herein.
2. I ~~have done~~ XXXXX, or caused to be done, work on the following mineral claim(s):

(Here list claims on which work was actually done by number and name)

YA 57500 - 57517 Patricia 5 - 22

situated at 3 Miles due E. of Hyland River Claim Sheet No. 105-H-1

in the Watson Lake Mining District, to the value of at least 8075.00

dollars, since the 1st day of August 19 81,

to represent the following mineral claims under the authority of Grouping Certificate No. _____

(Here list claims to be renewed in numerical order, by grant number and claim name, showing renewal period requested).

YA 57500 57517 Patricia 5 - 22 5 Years

3. The following is a detailed statement of such work: (Set out full particulars of the work done indicating dates work commenced and ended in the twelve months in which such work is required to be done as shown by Section 53.)

EM, Mag and Geochemical Work done by R. Wank and crew of Watson Lake August 1 to August 20.

Sworn before me at WATSON LAKE Y.T.

this 28 day of SEP 28 1981 19___.

Notary Public

Applicant

091066

TABLE OF CONTENTS

MAPS

APPENDIX

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V7V 1C7

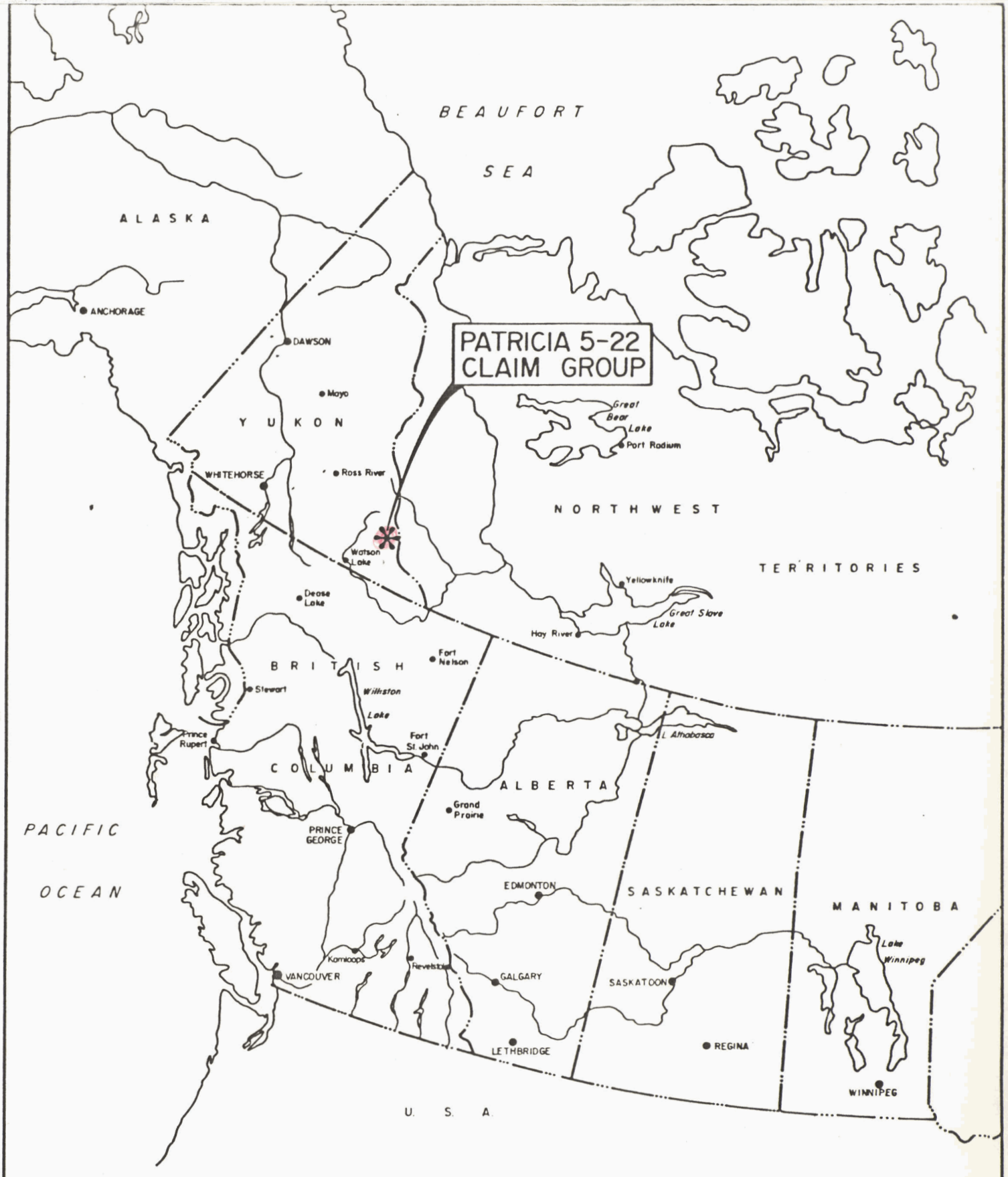


FIGURE I

PROPERTY LOCATION MAP

June 4, 1982.

Donald W. Kelly

INTRODUCTION

This assessment report was prepared pursuant to a request by the Directors of KINAI RESOURCES CORPORATION, Suite 704, 525 Seymour Street, Vancouver, British Columbia.

The purpose of this report is to summarize the results of the 1981 program of magnetometer, VLF-electromagnetic surveying and geochemical soil sampling on the PATRICIA #5 - 22 mineral claim group.

The basis of this report is a personal knowledge of the property area from examinations done in 1979 and 1980 and a field examination of the claims on March 26, 1981.

A further program of mineral exploration is recommended.

SUMMARY AND CONCLUSIONS

The PATRICIA claim group comprises 18 contiguous mineral claims covering an area of approximately 918 acres (371 hectares) located about five kilometres east of Km Post 60 on the Cantung Road and the Hyland River (Figures 1, 2 and 3).

Access to the claim area is best by helicopter at the present time. It is possible to ford the Hyland River at low water and traverse across country to the property on foot.

The geology of the claim area is favourable for the discovery of economic deposits of base and precious metal mineralization. The claimed ground is underlain

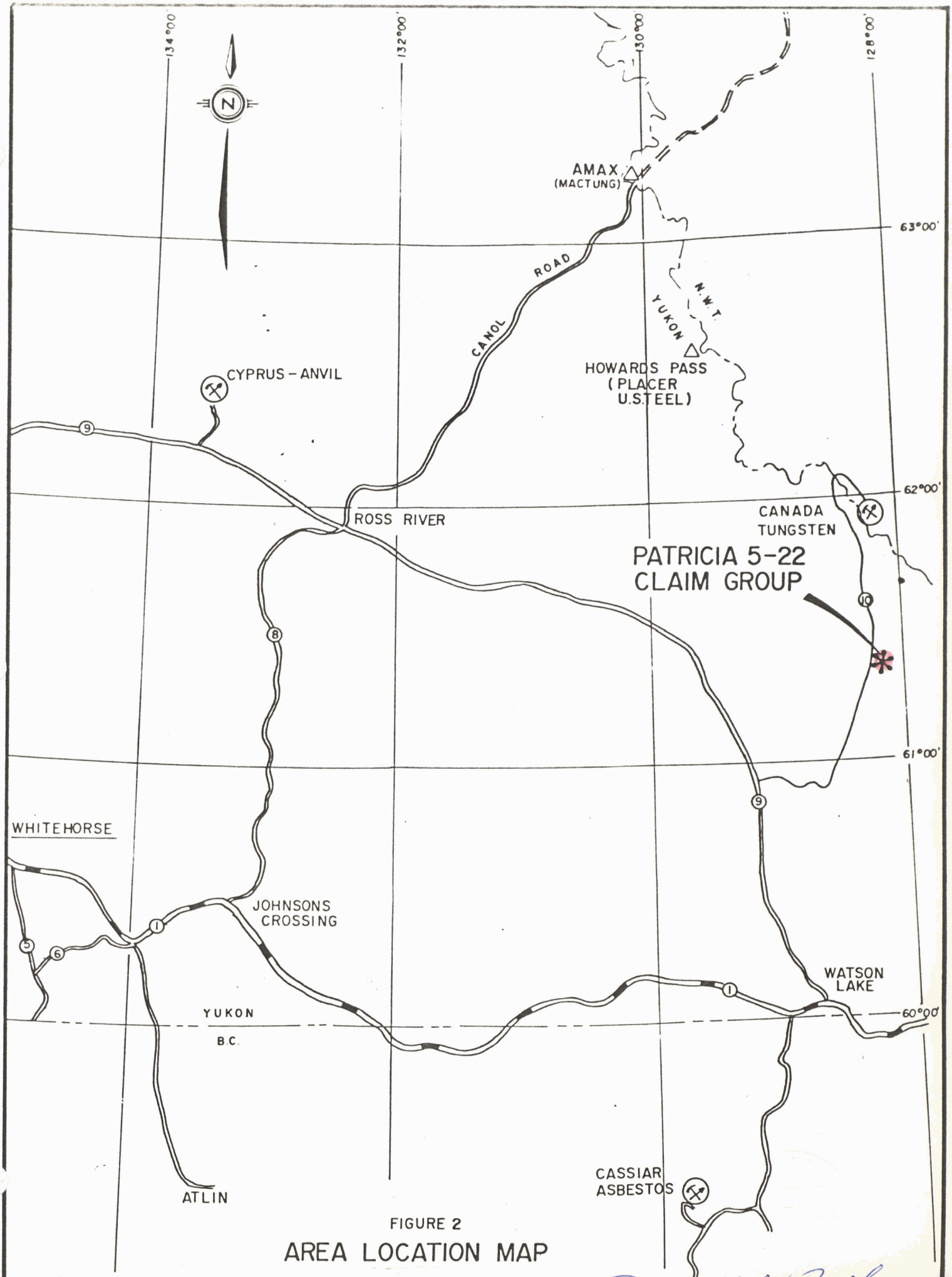


FIGURE 2

AREA LOCATION MAP

June 4, 1982.

Donald W. Tully

by highly metamorphosed siliceous and calcareous units of a Proterozoic metasedimentary complex. The margin of a small pluton of biotite-quartz monzonite and interactional phases of granodiorite lies less than a kilometre to the south and west of the claim group.

Limonitic gossan zones, frequently carrying disseminated pyrite and pyrrhotite, occur on the claim area.

It is concluded this prospect warrants a program of bulldozer trenching to expose the bedrock beneath the indicated geochemical anomalous zones.

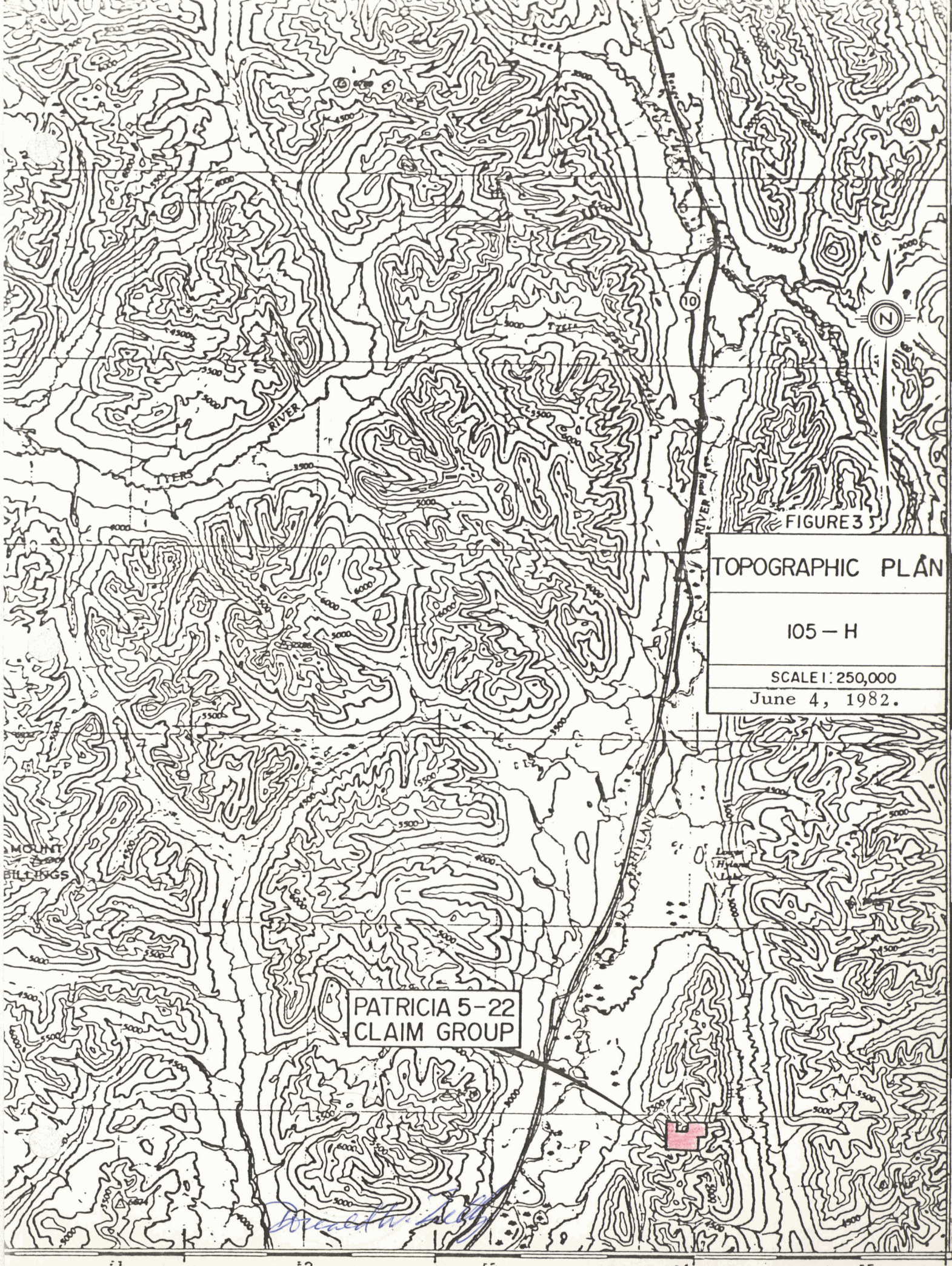
PROPERTY - LOCATION, ACCESS, PHYSIOGRAPHY AND ENVIRONMENTAL CONSIDERATIONS

The PATRICIA property comprises 18 contiguous mineral claims located about 80 air miles (130 kilometres) northeast of the town of Watson Lake, Yukon Territory. Motor vehicle access along the Cantung Road to Km Post 60 is quite feasible and thence by helicopter to the property, which is situated about five kilometres to the east across the Hyland River (Figure 3).

The terrain is rugged. Elevations over the claim area vary between 3,300 and 5,700 feet above sea-level. The drainage pattern is westward towards the Hyland River (Figures 3 and 4).

The claim area is situated above tree-line with buckbrush and sparse grass on the south-facing slopes.

The climate is relatively severe with a four-month summer field season.


TYERS
RIVER
PATRICIA 5-22
CLAIM GROUP
N
FIGURE 3
TOPOGRAPHIC PLAN
105 — H
SCALE 1: 250,000
June 4, 1982.

The property area is considered to be fragile in the environmental sense.

CLAIMS

The PATRICIA #5-22 claim group is situated in the Watson Lake Mining District and the claims are recorded at the office of the Mining Recorder with the Department of Indian and Northern Affairs at Watson Lake, Yukon Territory. Information on file is as follows:

Claim Name	Grant No.	Record Date	Recorded Holder
PATRICIA 5-22	YA57500-YA57517	March 2, 1981	Kinai Resources Corp.

The claims are shown on Yukon Mineral Claim 105-H-1.

Assessment work has been recorded pending approval.

HISTORY - PREVIOUS DEVELOPMENT

The area occupied by the PATRICIA claims was prospected in the late 1950's and in the 1960's by the Mackenzie Syndicate and followed by the Norquest Joint Venture Syndicate. The area attracted prospectors because of the many limonitic gossan zones visible on cliff faces along the east side of the Hyland River. Pyrite and pyrrhotite are frequently associated with the gossan areas.

Gold-copper mineralization is known in the area of the PATRICIA claim group.

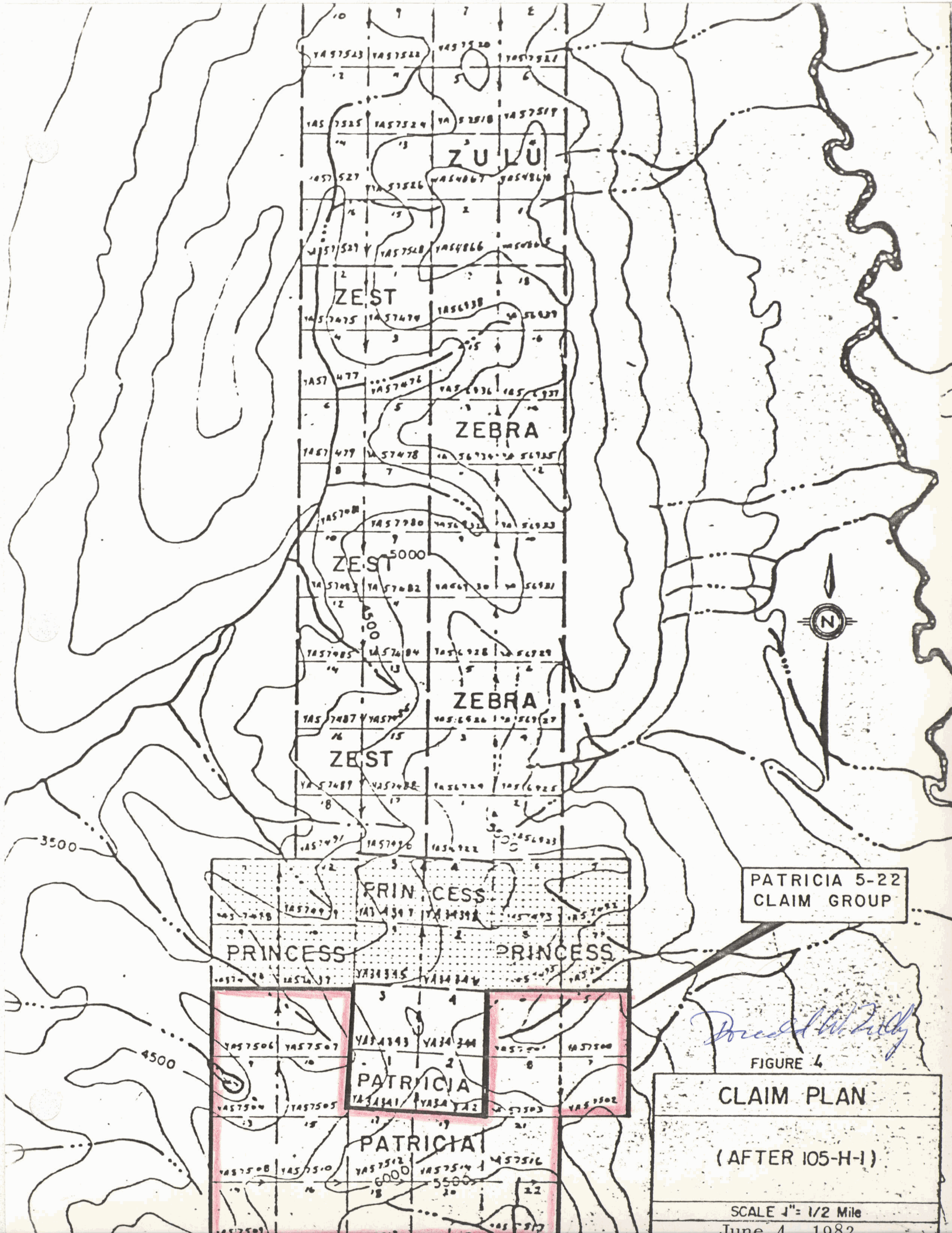


FIGURE 4

CLAIM PLAN

(AFTER 105-H-1)

SCALE 1"= 1/2 Mile

June 4, 1982

REFERENCES

1. Private data submitted by Mr. J.C. Turner
2. NTS Topographic Map 105-H (Scale 1:250,000)
3. Geological Survey of Canada Map 6-1966 Scale 1:253,440)
4. Geological Survey of Canada Geophysics Map 1356G
5. Report on the PATRICIA 5-22 claim group for KINAI RESOURCES CORPORATION by Donald W. Tully, P. Eng., and dated May 6, 1981

REGIONAL AND LOCAL GEOLOGICAL SETTING

The general geology is shown on Geological Survey of Canada Map 6-1966 (Figure 5).

Proterozoic shales, phyllites, conglomerate, siliceous and calcareous horizons of metasediments underlie the claim area.

A batholith of quartz monzonite is located a short distance to the south and west of the claim group.

A tentative geological timetable for the claim area is as follows:

Formation	Description/Event	Age
Sand, gravel and glacial debris	Unconsolidated	Quaternary
	(Erosional unconformity)	
Mineralization and skarn-type metamorphism	Limonitic gossan zones frequently with pyrite and pyrrhotite	Tertiary (?)
	(Tectonic and hydrothermal activity accompanying the intrusions of quartz monzonite)	

Hyland River Airstrip

PATRICIA 5-22 CLAIM GROUP

MOUNT BILLINGS

TYERS RIVER

FLAT RIVER

HUNT RIVER

Zn, Pb, Cu

Zn, Pb, Cu, Ag

Pb, Zn

Cu

129°00′ 45′ 30′ 15′ 128°00′

61°00′

30′

15′

N

Printed by the Surveys and Mapping Branch

MAP 6-1966

GEOLOGY

Intercalated siltstone and limestone of unit 9 characteristically occurs in wavy, undulatory or anastomosing bands, which on weathering impart a very rough pitted surface. An important regional unconformity at the base of this unit in places sharply bevels Lower Cambrian and older strata. Unit 9 is at least 4,000 feet thick near the Yukon - Northwest Territories boundary, but is itself bevelled by an unconformity beneath unit 11, so that apparently its thickness varies markedly. Exposures of unit 11 are limited to stream cuts along Flat River valley where it overlies unit 9 unconformably. Graptolites collected from the lowermost 500 feet are Upper Ordovician, but as the overlying part of unit 11 is much thicker, it may be in part of Silurian age.

Units 10 and 12 are lithologically correlated with strata previously mapped in adjacent regions.

Unmetamorphosed, predominantly pelitic, strata (13) are believed correlative with Devono-Mississippian rocks in adjacent regions. Characteristic are chert-pebble conglomerate, varicoloured chert, and black quartz-bearing greywacke and gritty quartzite. In the Campbell Range unit 13 includes numerous small bodies of greenstone, many intrusive, but most of the greenstone, mapped as 13b, appears to be volcanic and probably overlies or occurs within the upper part of unit 13. Serpentinite (13c) is thought to be an integral part of the Devono-Mississippian assemblage. A profound angular unconformity occurs at the base of this sequence.

Unit 14 comprises mainly hornfelsed pelitic rocks whose age and correlation are in doubt. Overall lithologic character, lack of regional metamorphism in rocks near the gneissic belt (2) and one collection of Middle or Upper Devonian fossils (near the south boundary at 128° 40'W) suggest that probably most, if not all, of this unit is correlative with Devono-Mississippian strata of unit 13.

Granitic rocks (15) generally have sharply defined contacts, but in the schist-gneiss belt (2) they are commonly bordered by complex zones as much as 1/4 mile wide in which massive plutonic rock is interspersed with lit-par-lit migmatites and partly granitized inclusions. There mapped boundaries are largely arbitrary, based on proportion of intrusive to host rocks.

Outside the complexly deformed central crystalline terrain, regional structures trend northwest except in the northern part of the map-area where they become westerly. Regional metamorphism appears unrelated to Cretaceous(?) granitic intrusion and probably predates the Devono-Mississippian strata. These strata overlie schist and gneiss of unit 1 unconformably and are essentially non-schistose. Northwest-trending regional folds near Flat River, which may be related to tectonism in the central belt, are post Late Ordovician, as they involve rocks of this age and older. These folds clearly predate and are modified by intrusion of granitic rocks.

Sphalerite with minor amounts of galena, pyrrhotite and chalcopyrite occur in silicated calcareous members in several localities throughout the schist-gneiss terrain (2) and in hornfelses that may be equivalent to unit 13. Pyrrhotite with some chalcopyrite was noted in black slate and argillite of unit 13, west of Hyland River road at mile 53. Scheelite is reported in the north-central part of the map-area near 61° 48' in contact zones with calcareous beds of unit 1.

A high-grade tungsten deposit on Flat River is presently being mined by Canada Tungsten Mining Corporation. Scheelite, with pyrrhotite and minor amounts of chalcopyrite occurs with skarn minerals in massive Lower Cambrian limestone. The deposit is several hundred feet from nearest exposed granitic rocks, but within a zone of moderate to high-grade contact metamorphism.

FIGURE 5

REGIONAL GEOLOGY	
(AFTER G.S.C. MAP 6-1966)	
SCALE 1:253,440	JUNE 4, 1982.

Formation	Description/Event	Age
Quartz-monzonite (Unit 15-GSC Map 6-1966)	Various phases with biotite-rich gneiss and granodiorite	Cretaceous (?)
	(Folding, faulting, shearing and related tectonic activity)	
Basement Sedimentary Complex	Shale, slate and greenschist facies with zones of paragneiss and orthogneiss	Cambrian or Earlier (?)

The planar elements in the bedrock trend north-northwesterly and dip at relatively low angles toward the east over the claim group.

MINERALIZATION

Pyrite and pyrrhotite are frequently a constituent of the limonitic gossan zones evident in the claim area.

A study of aeromagnetic map 1356G shows north-south trend of the basement geological structure underlying the property (Figure 6).

RESULTS OF THE 1981 PROGRAM OF COMBINED MAGNETOMETER AND VLF-ELECTROMAGNETIC GEOPHYSICAL SURVEYING AND GEOCHEMICAL SOIL SAMPLING

Magnetometer Survey

During the period August 5 - 20, 1981, Geo-Teck Services Ltd., under contract to Turnex Exploration Services Ltd., Suite 704, 525 Seymour Street, Vancouver, British Columbia, carried out a program of magnetometer surveying over those areas of the PATRICIA 5 - 22 claim area that

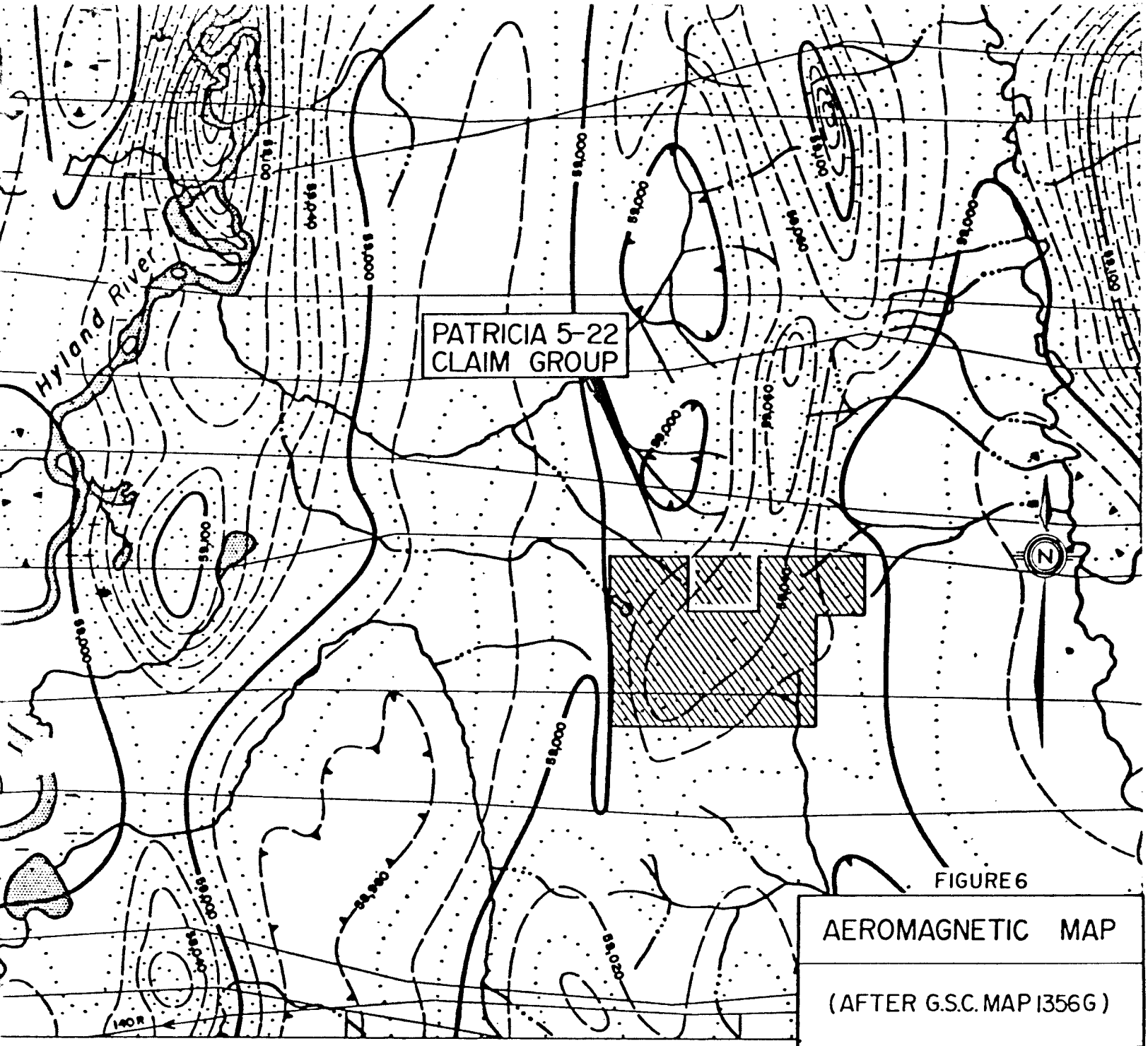


FIGURE 6

AEROMAGNETIC MAP

(AFTER G.S.C. MAP 1356G)

SCALE 1"= 1 Mile

June 4, 1982.

MAP 1356G

LOWER HYLAND LAKE

Donald W. Kelly

YUKON TERRITORY

Scale: One Inch to One Mile = $\frac{1}{63,360}$

Miles

1 ½ 0 1 2 3

OMAGNETIC LINES (absolute total field)

00 [illegible] gammas

00 gammas

0 gammas

gammas

gnetic depression

lines

altitude: nominally 1000 feet above

were accessible because of the prevailing steep topographic conditions.

Mr. Robert Wank of Geo-Teck Services supervised the work and his report of the survey procedure is appended to this report.

The results of the magnetometer survey are shown on Figures 7A and 7B.

The range of magnetic relief found in the area examined was 1,129 gammas.

Two local magnetic "Highs" were indicated on L36+00S at 3+00W and 15+50W.

A broad magnetic "Low" area is indicated in the southeast sector of the claim area (Figure 7A).

The influence of the rugged topography in the claim area on the magnetic results obtained is not known.

VLF - ELECTROMAGNETIC SURVEY

Geo-Teck Services Ltd., under contract to Turnex Exploration Services Ltd., Suite 704, 525 Seymour Street, Vancouver, B.C., carried out a VLF-electromagnetic survey over the PATRICIA 5-22 claim group during the period August 5-20, 1981. R. Wank supervised the work and his report on the field survey procedure is appended to this report.

The results of the VLF-electromagnetic survey are shown on Figures 9A and 9B.

An apparent conductor ANOMALY Zone is located in

the southwest part of the claim area on Lines 32+00S and 33+00S at 2+00E and 3+00E in the southeast sector of the property.

Apparent conductor ANOMALY Zones are indicated in the southwest sector of the property at Lines 35+00S and 41+00S in the area of 7+00W and 11+00W. More surveying would be necessary to develop these indications.

The effects of the local topography on the apparent electromagnetic conductor zones is not known.

GEOCHEMICAL SOIL SAMPLING SURVEY

A geochemical soil sampling survey was carried out over those accessible areas of the claim group by Geo-Teck Services Ltd. during the period August 5 through 20, 1981.

R. Wank supervised the field work and his report on the field survey procedure is appended to this report.

A total of 141 geochemical soil samples were reported taken. 131 samples of these were analyzed for copper, lead, zinc and silver. The results are shown on Figures 8A and 8B as follows:

Copper

No. of Soil Samples	Range of Results
59	0 - 20 ppm
38	21 - 40 ppm
16	41 - 60 ppm
6	61 - 80 ppm
12	80+ ppm
Total 131	

The highest value in zinc was 1,350 parts per million.

Values in zinc above 200 parts per million are considered to be anomalous.

Eight anomalous values of zinc occur over the area of the claims that was geochemically soil sampled. These anomalous values tend to be coincident with values in lead and copper in a southeasterly zone extending from Line 30+00S at 18W through Line 40+00S at 5W.

Silver

No. of Soil Samples	Range of Results
129	0.0 - 1.0 ppm
2	1.0 + ppm
Total 131	

The highest value in silver was 1.2 parts per million.

Values in silver above 1.0 parts per million may be considered anomalous.

Two isolated one-value anomalies in silver occur over the claim area and may not be of particular significance.

Only those values above 0.1 parts per million in silver value are plotted on Figures 8A and 8B.

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Values in zinc above 200 parts per million are considered to be anomalous.

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Two isolated one-value anomalies in silver occur over the claim area and may not be of particular significance.

Only those values above 0.1 parts per million in silver value are plotted on Figures 8A and 8B.

RECOMMENDATIONS

It is recommended the location of the claim posts be surveyed in order to establish the perimeter of the claim area relative to adjoining claim groups.

Bulldozer trenching of the indicated anomalous geochemical zones is proposed to expose the bedrock and the source of these apparent anomalies. Should the trenching results of this work show mineralization of potential economic interest a follow-up diamond drill test is proposed.

Respectfully submitted,

Donald W. Tully, P. Eng.

June 4, 1982

DON TULLY ENGINEERING LTD.
SUITE 102 - 2222 BELLEVUE AVENUE
WEST VANCOUVER, BRITISH COLUMBIA
V7V 1C7

10.

Turnex EXPLORATION SERVICES LTD.

704 - 525 Seymour Street, Vancouver, British Columbia, Canada V6B 3H7 Telephone (604) 688-8245

INVOICE

Feb. 11/82 19

In Account With Kinai Resources Corporation,
704 - 525 Seymour St.,
Vancouver, B. C.

Terms

		WORK ON PATRICIA 5 - 22					
		Magnetometer, VLF-Electromagnetic					
		and Geocheimcal soil sample survey				26,730	.00
		Helicopter support, camp and supplies					
		supervision, travel and engineering					
		evaluation of Phase 1 results.				7,920	.00
						$34,650	.00

A Notary Public in and for the Province of British Columbia

TOTAL

CERTIFICATE

I, DONALD WILLIAM TULLY, of the Corporation of West Vancouver, Province of British Columbia, hereby certify as follows:

1) I am a Consulting Geologist with an office at Suite 102, 2222 Bellevue Avenue, West Vancouver, B.C.

2) I am a registered Professional Engineer of the Provinces of British Columbia and Ontario.

3) I graduated with a degree of Bachelor of Science, Honours Geology, from McGill University in 1943.

4) I have practiced my profession for thirty-seven years.

5) I have no direct, indirect or contingent interest in the PATRICIA #5-22 mineral claims, subject of this report, or the securities of Kinai Resources Corporation, nor do I intend to have any interest.

6) This report dated June 4, 1982 is based on personal field examinations I made on the claim area in 1979 and 1980 and on March 26, 1981, and from information gathered from available maps and reports.

7) I have examined claim posts in the field and found them in accordance with the requirements of the Yukon Quartz Act.

8) During the past five years I have examined the ZEST 1-18, ZEBRA 1-18, ZULU 1-16, PATRICIA 1-4, and the PRINCESS 1-4, 5-12 mineral claim groups that are located within ten kilometres of the PATRICIA 5-22 claim group.

9) Written permission is required from the author to publish this report dated June 4, 1982 in any Prospectus or Statement of Material Facts.

DATED at West Vancouver, Province of British Columbia, this 8th day of June, 1982.

Donald W. Tully

DONALD W. TULLY, P. ENG.,
Consulting Geologist

DON TULLY ENGINEERING LTD.
SUITE 102 - 2222 BELLEVUE AVENUE
WEST VANCOUVER, BRITISH COLUMBIA
V7V 1C7

APPENDIX

DON TULLY ENGINEERING LTD.
SUITE 102 - 2222 BELLEVUE AVENUE
WEST VANCOUVER, BRITISH COLUMBIA
V7V 1C7

CHEMEX LABS LTD.

212 BROOKSBANK AVE
NORTH VANCOUVER B.C.
CANADA V7J 2C1
TELEPHONE (604)984-0221
TELEX 043-52597

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

CERTIFICATE OF ANALYSIS

TO : TURNEX EXPLORATION SERVICES LTD.
704-525 SEYMOUR ST.
VANCOUVER, B.C.
V6B 3H7

CERT. # : A8113504-006-A
INVOICE # : I8113504
DATE : 05-SEP-81
P.O. # : NONE

ATTN: R. WANK SIEVED TO -35 MESH

Sample description	Prep code	Cu ppm	Pb ppm	Zn ppm	Ag ppm		
L25N 02W	201	9	5	20	0.1	--	--
L25N 03W	201	21	9	46	0.1	--	--
L25N 04W	201	14	14	48	0.1	--	--
L25N 05W	201	27	40	148	0.1	--	--
L25N 06W	201	20	28	64	0.4	--	--
L25N 07W	201	25	30	110	0.1	--	--
L25N 08W	201	15	17	68	0.1	--	--
L25N 09W	201	32	27	90	0.1	--	--
L25N 10W	201	10	13	20	0.1	--	--
L25N 11W	201	6	12	33	0.1	--	--
L25N 12W	201	10	6	22	0.1	--	--
L25N 13W	201	11	16	76	0.1	--	--
L25S 06W	201	17	11	84	0.1	--	--
L25S 07W	201	54	43	493	0.1	--	--
L25S 08W	201	45	33	120	0.1	--	--
L25S 09W	201	29	33	116	0.1	--	--
L25S 10W	201	19	17	110	0.1	--	--
L25S 11W	201	21	30	87	0.1	--	--
L25S 12W	201	15	20	71	0.1	--	--
L25S 13W	201	21	19	75	0.1	--	--
L25S 14W	201	18	21	94	0.1	--	--
L25S 15W	201	15	20	114	0.1	--	--
L25S 16W	201	28	65	150	0.1	--	--
L25S 17W	201	16	27	110	0.1	--	--
L25S 18W	201	11	11	48	0.1	--	--
L26N 0+00	201	39	49	140	0.2	--	--
L26N 1E	201	9	11	21	0.1	--	--
L26N 2E	201	7	15	50	0.1	--	--
L26N 01W	201	8	8	25	0.1	--	--
L26N 02W	201	12	4	19	0.1	--	--
L26N 03W	201	6	8	20	0.1	--	--
L26N 04W	201	18	7	52	0.1	--	--
L26N 05W	201	7	6	13	0.1	--	--
L26N 06W	201	22	33	155	0.1	--	--
L26N 07W	201	9	5	31	0.1	--	--
L26N 08W	201	14	17	65	0.1	--	--
L26N 09W	201	15	15	48	0.1	--	--
L26N 10W	201	17	15	62	0.1	--	--
L26N 11W	201	5	3	9	0.1	--	--
L18+00S 9+00W	201	42	14	115	0.1	--	--

3

Certified by .....

CTA MEMBER CANADIAN TESTING ASSOCIATION

CHEMEX LABS LTD.

212 BROOKSBANK AVE
NORTH VANCOUVER B.C.
CANADA V7J 2C
TELEPHONE (604)984-022
TELEX 043-5259

• ANALYTICAL CHEMISTS •• GEOCHEMISTS • REGISTERED ASSAYERS

CERTIFICATE OF ANALYSIS

TO : TURNEX EXPLORATION SERVICES LTD.
704-525 SEYMOUR ST.
VANCOUVER, B.C.
V6B 3H7

CERT. # : A8113503-001-
INVOICE # : I8113503
DATE : 05-SEP-81
P.O. # : NONE

ATTN: R. WANK SIEVED TO -35 MESH

Sample description	Prep code	Cu ppm	Pb ppm	Zn ppm	Ag ppm		
L26N 12W	201	13	18	35	0.3	--	--
L26N 13W	201	10	23	100	0.1	--	--
L26S 06W	201	137	19	118	0.1	--	--
L26S 07W	201	30	25	66	0.3	--	--
L26S 08W	201	38	30	130	1.1	--	--
L26S 09W	201	34	160	260	0.2	--	--
L26S 10W	201	45	100	213	0.1	--	--
L26S 11W	201	22	32	85	0.1	--	--
L26S 12W	201	21	22	110	0.1	--	--
L26S 13W	201	11	5	28	0.1	--	--
L26S 14W	201	15	38	49	0.3	--	--
L26S 15W	201	16	65	125	0.4	--	--
L26S 16W	201	28	37	175	1.2	--	--
L26S 17W	201	23	60	200	0.2	--	--
L26S 18W	201	17	37	127	0.1	--	--
L27N 0+00	201	27	28	88	0.2	--	--
L27N 1E	201	7	25	34	0.5	--	--
L27N 2E	201	16	11	77	0.1	--	--
L27N 01W	201	33	28	195	0.1	--	--
L27N 02W	201	13	8	31	0.1	--	--
L27N 03W	201	12	18	52	0.1	--	--
L27N 04W	201	4	5	17	0.1	--	--
L27N 05W	201	15	35	82	0.1	--	--
L27N 06W	201	15	46	68	0.1	--	--
L27N 07W	201	18	24	93	0.1	--	--
L27N 08W	201	19	13	53	0.1	--	--
L27N 09W	201	11	27	38	0.1	--	--
L27N 10W	201	18	32	58	0.1	--	--
L27N 11W	201	7	12	19	0.1	--	--
L27N 12W	201	8	19	39	0.1	--	--
L27N 13W	201	10	14	44	0.1	--	--
L28N 0+00	201	22	28	103	0.1	--	--
L28N 1E	201	15	26	72	0.1	--	--
L28N 2E	201	22	37	180	0.1	--	--
L28N 01W	201	14	30	82	0.1	--	--
L28N 02W	201	33	63	144	0.1	--	--
L28N 03W	201	43	210	315	0.1	--	--
L28N 04W	201	31	58	238	0.1	--	--
L28N 05W	201	19	17	64	0.1	--	--
L28N 06W	201	41	54	146	0.1	--	--

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CANADA V7J 2C1
TELEPHONE (604)984-0221
TELEX 043-52597

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

CERTIFICATE OF ANALYSIS

TO : TURNEX EXPLORATION SERVICES LTD.
704-525 SEYMOUR ST.
VANCOUVER, B.C.
V6B 3H7

CERT. # : A8113503-003-A
INVOICE # : I8113503
DATE : 05-SEP-81
P.O. # : NONE

ATTN: R. WANK SIEVED TO -35 MESH

Sample description	Prep code	Cu ppm	Pb ppm	Zn ppm	Ag ppm		
L31+00N 0+50W	201	19	50	102	0.1	--	--
L31+00N 01+00W	201	7	40	40	0.1	--	--
L31+00N 02+00W	201	20	62	132	0.1	--	--
L31+00N 03+00W	201	92	1750	753	1.8	--	--
L31+00N 04+00W	201	37	250	195	0.1	--	--
L31+00N 05+00W	201	28	38	130	0.1	--	--
L31+00N 06+00W	201	22	35	120	0.1	--	--
L31+00N 07+00W	201	5	50	16	0.1	--	--
L31+00N 08+00W	201	13	70	100	0.1	--	--
L31+00N 09+00W	201	9	13	35	0.1	--	--
L31+00N 10+00W	201	19	33	88	0.1	--	--
L31+00N 11+00W	201	7	9	47	0.1	--	--
L31+00N 12+00W	201	6	8	14	0.1	--	--
L31+00N 13+00W	201	31	13	72	0.1	--	--
L31+00N 13+50W	201	28	26	88	0.1	--	--
L31+00S 1E	201	136	30	150	0.1	--	--
L31+00S 1+00E	201	118	29	125	0.1	--	--
L31+00S 2+00E	201	37	28	135	0.1	--	--
L31+00S 3+00E	201	38	30	104	0.1	--	--
L31+00S 4+00E	201	30	27	95	0.1	--	--
L31+00S 0+00	201	18	15	98	0.1	--	--
L31+00S 1+00W	201	22	24	110	0.1	--	--
L31+00S 2+00W	201	26	30	103	0.1	--	--
L31+00S 3+00W	201	48	21	100	0.1	--	--
L31+00S 4+00W	201	38	34	72	0.1	--	--
L31+00S 5+00W	201	38	85	220	0.7	--	--
L31+00S 6+00W	201	19	13	58	0.1	--	--
L31+00S 15+00W	201	30	66	300	0.1	--	--
L31+00S 16+00W	201	12	22	45	0.1	--	--
L31+00S 17+00W	201	24	15	60	0.1	--	--
L31+00S 18+00W	201	38	13	35	0.1	--	--
L32+00N 1+50W	201	56	97	228	0.1	--	--
L32+00N 2+00W	201	21	55	113	0.1	--	--
L32+00N 3+00W	201	210	3300	3700	1.3	--	--
L32+00N 4+00W	201	61	160	320	0.1	--	--
L32+00N 5+00W	201	108	320	780	0.2	--	--
L32+00N 6+00W	201	35	50	195	1.5	--	--
L32+00N 7+00W	201	22	30	135	0.1	--	--
L32+00N 8+00W	201	40	50	190	0.1	--	--
L32+00N 9+00W	201	19	30	116	0.1	--	--

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CERTIFICATE OF ANALYSIS

TO : TURNEX EXPLORATION SERVICES LTD.
704-525 SEYMOUR ST.
VANCOUVER, B.C.
V6B 3H7

CERT. # : A8113503-004-A
INVOICE # : I8113503
DATE : 05-SEP-81
P.O. # : NONE

ATTN: R. WANK SIEVED TO -35 MESH

Sample description	Prep code	Cu ppm	Pb ppm	Zn ppm	Ag ppm		
L32+00N 10+00W	201	24	42	112	0.1	--	--
L32+00N 11+00W	201	20	34	92	0.1	--	--
L32+00N 12+00W	201	4	12	16	0.1	--	--
L32+00N 13+00W	201	16	11	58	0.1	--	--
L32+00N 13+50W	201	57	50	175	0.2	--	--
L32+00S 0+00	201	13	11	60	0.1	--	--
L32+00S 1+00E	201	29	20	90	0.1	--	--
L32+00S 2+00E	201	13	7	16	0.1	--	--
L32+00S 3+00E	201	68	27	128	0.1	--	--
L32+00S 4+00E	201	35	29	126	0.1	--	--
L32+00S 1+00W	201	15	14	75	0.1	--	--
L32+00S 2+00W	201	16	18	87	0.2	--	--
'32+00S 3+00W	201	168	23	118	0.1	--	--
2+00S 4+00W	201	47	27	108	0.1	--	--
L32+00S 5+00W	201	45	30	126	0.1	--	--
L32+00S 6+00W	201	27	46	94	0.1	--	--
L32+00S 15+00W	201	16	21	52	0.1	--	--
L32+00S 16+00W	201	15	38	63	0.1	--	--
L32+00S 17+00W	201	21	32	220	0.1	--	--
L32+00S 18+00W	201	41	60	205	0.1	--	--
L33+00N 01W	201	26	13	72	0.1	--	--
L33+00N 02W	201	51	55	130	0.1	--	--
L33+00N 03W	201	37	35	160	0.1	--	--
L33+00N 04W	201	36	42	305	0.1	--	--
L33+00N 05W	201	29	32	235	0.1	--	--
L33+00N 06W	201	29	25	138	0.1	--	--
L33+00N 07W	201	29	17	116	0.1	--	--
L33+00N 08W	201	32	26	162	0.1	--	--
L33+00N 09W	201	51	19	118	0.1	--	--
L33+00N 10W	201	25	9	71	0.1	--	--
L33+00N 11W	201	13	4	40	0.1	--	--
L33+00N 12W	201	7	13	33	0.1	--	--
L33+00N 13W	201	10	12	85	0.1	--	--
L33+00N 13+50W	201	92	160	200	0.1	--	--
L33+00S 18+00W	201	16	16	88	0.1	--	--
L34+00N 0+50W	201	29	40	138	0.1	--	--
L34+00N 1+00W	201	42	80	325	0.1	--	--
'34+00N 2+00W	201	56	80	178	0.1	--	--
,4+00N 3+00W	201	51	25	233	0.1	--	--
L34+00N 4+00W	201	75	40	460	0.1	--	--

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TELEPHONE (604)984-022
TELEX 043-525

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CERTIFICATE OF ANALYSIS

TO : TURNEX EXPLORATION SERVICES LTD.
704-525 SEYMOUR ST.
VANCOUVER, B.C.
V6B 3H7

CERT. # : A8113503-005-
INVOICE # : I8113503
DATE : 05-SEP-81
P.O. # : NONE

ATTN: R. WANK SIEVED TO -35 MESH

Sample description	Prep code	Cu ppm	Pb ppm	Zn ppm	Ag ppm		
L34+00N 05+00W	201	30	46	110	0.1	--	--
L34+00N 06+00W	201	29	35	115	0.1	--	--
L34+00N 07+00W	201	23	23	98	0.1	--	--
L34+00N 08+00W	201	28	25	91	0.1	--	--
L34+00N 09+00W	201	8	9	24	0.1	--	--
L34+00N 10+00W	201	29	31	136	0.1	--	--
L34+00N 11+00W	201	14	27	75	0.1	--	--
L34+00N 12+00W	201	7	16	40	0.1	--	--
L34+00N 13+00W	201	56	13	78	0.1	--	--
L34+00N 13+50W	201	26	55	90	0.7	--	--
L34+00S 10+00WA	201	13	32	112	0.1	--	--
L34+00S 10+00WB	201	26	70	138	0.1	--	--
L34+00S 11+00W	201	22	140	268	0.1	--	--
L34+00S 12+00W	201	46	30	110	0.1	--	--
L34+00S 13+00W	201	63	50	190	0.1	--	--
L34+00S 14+00W	201	16	33	84	0.1	--	--
L34+00S 15+00W	201	12	19	62	0.1	--	--
L34+00S 16+00W	201	9	16	54	0.1	--	--
L34+00S 17+00W	201	18	22	72	0.1	--	--
L34+00S 18+00WA	201	18	19	90	0.1	--	--
L34+00S 18+00WB	201	7	11	25	0.1	--	--
L35N 1E	201	17	24	102	0.1	--	--
L35N 0+00	201	8	24	75	0.1	--	--
L35N 01W	201	12	39	165	0.1	--	--
L35N 02W	201	27	51	174	0.1	--	--
L35N 03W	201	21	46	152	0.1	--	--
L35N 04W	201	56	40	360	0.1	--	--
L35N 05W	201	12	9	40	0.1	--	--
L35N 06W	201	19	30	103	0.1	--	--
L35N 07W	201	27	30	106	0.1	--	--
L35N 08W	201	30	38	126	0.1	--	--
L35N 09W	201	10	20	57	0.1	--	--
L35N 10W	201	7	23	20	0.1	--	--
L35N 11W	201	8	7	62	0.1	--	--
L35N 12W	201	7	22	20	0.1	--	--
L35N 13W	201	6	8	35	0.1	--	--
L35N 13+50W	201	13	13	66	0.1	--	--
L35+00S 10+00W	201	116	105	790	0.6	--	--
L36N 1E	201	65	15	68	0.1	--	--
L36N 0+00	201	24	14	90	0.5	--	--

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CERTIFICATE OF ANALYSIS

TO : TURNEX EXPLORATION SERVICES LTD.
704-525 SEYMOUR ST.
VANCOUVER, B.C.
V6B 3H7

CERT. # : A8113503-006-A
INVOICE # : I8113503
DATE : 05-SEP-81
P.O. # : NONE

ATTN: R. WANK SIEVED TO -35 MESH

Sample description	Prep code	Cu ppm	Pb ppm	Zn ppm	Ag ppm		
L36N 01W	201	16	15	43	0.1	--	--
L36N 02W	201	21	37	112	0.1	--	--
L36N 03W	201	24	150	400	0.2	--	--
L36N 04W	201	32	170	268	0.1	--	--
L36N 05W	201	20	32	80	0.1	--	--
L36N 06W	201	11	20	56	0.1	--	--
L36N 07W	201	26	20	72	0.1	--	--
L36N 08W	201	17	20	60	0.1	--	--
L36N 09W	201	21	22	98	0.1	--	--
L36N 10W	201	22	22	80	0.1	--	--
L36N 11W	201	215	33	123	0.1	--	--
L36N 12W	201	6	24	30	0.1	--	--
L36N 13W	201	59	100	580	0.5	--	--
L36N 13+50W	201	12	23	38	0.1	--	--
L36S 1E	201	11	15	52	0.1	--	--
L36S 0W 0E	201	5	5	23	0.1	--	--
L36S 01W	201	46	19	125	0.1	--	--
L36S 02W	201	68	47	210	0.1	--	--
L36S 03W	201	56	62	157	0.1	--	--
L36S 04W	201	63	43	148	0.1	--	--
L36S 05W	201	14	11	62	0.1	--	--
L36S 06W	201	22	33	123	0.1	--	--
L36S 07W	201	20	34	148	0.1	--	--
L36S 08W	201	33	75	175	0.1	--	--
L36S 09W	201	28	56	159	0.1	--	--
L36S 10W	201	13	55	128	0.1	--	--
L36S 11W	201	17	22	55	0.1	--	--
L37N 1E	201	24	15	58	0.1	--	--
L37N 0+00	201	69	37	175	0.1	--	--
L37N 01W	201	25	16	69	0.1	--	--
L37N 02W	201	8	13	19	0.1	--	--
L37N 03W	201	17	180	328	0.5	--	--
L37N 04W	201	12	16	35	0.1	--	--
L37N 05W	201	18	30	56	0.1	--	--
L37N 07W	201	25	56	143	0.1	--	--
L37N 08W	201	14	19	61	0.1	--	--
L37N 09W	201	11	15	48	0.1	--	--
L37N 10W	201	8	14	54	0.1	--	--
L37N 11W	201	8	10	18	0.1	--	--
L37N 12W	203	6	14	48	0.1	--	--

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TO : TURNEX EXPLORATION SERVICES LTD.
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VANCOUVER, B.C.
V6B 3H7

166

CERT. # : AB113507-001-A
INVOICE # : IB113507
DATE : 03-SEP-81
P.O. # : NONE

ATTN: R. WANK SIEVED TO -35 MESH

Sample description	Prep code	Cu ppm	Pb ppm	Zn ppm	Ag ppm		
L37N 13W	201	14	15	36	0.1	--	--
L37N 13+50	201	13	1	45	0.4	--	--
L37S 1E	201	7	1	7	0.1	--	--
L38N 1+00E	201	38	15	69	0.1	--	--
L38N 0+00	201	18	9	41	0.1	--	--
L38N 01W	201	38	14	52	0.3	--	--
L38N 02W	201	62	16	178	0.8	--	--
L38N 03W	201	46	80	218	0.2	--	--
L38N 04W	201	27	14	60	0.1	--	--
L38N 05W	201	22	24	138	0.1	--	--
L38N 06W	201	16	21	38	0.1	--	--
L38N 07W	201	29	70	148	0.1	--	--
L38N 08W	201	20	24	55	0.1	--	--
38N 09W	201	10	1	16	0.1	--	--
L38N 10W	201	12	12	16	0.5	--	--
L38N 11W	201	11	18	52	0.1	--	--
L38N 12W	201	15	22	54	0.4	--	--
L38N 13W	201	31	11	78	0.6	--	--
L38N 13+50W	201	15	7	37	0.2	--	--
L38S 1E	201	25	4	34	0.1	--	--
L38S 0+00	201	18	10	61	0.1	--	--
L38S 1W	201	24	13	64	0.1	--	--
L38S 2W	201	36	19	109	0.1	--	--
L38S 3W	201	16	19	50	0.1	--	--
L38S 4W	201	950	39	165	0.4	--	--
L38S 5W	201	53	40	158	0.1	--	--
L38S 6W	201	36	48	143	0.1	--	--
L38S 7W	201	21	20	76	0.1	--	--
L38S 8W	201	18	18	75	0.1	--	--
L38+00S 12+00W	201	19	19	65	0.1	--	--
L38+00S 13+00W	201	23	29	80	0.1	--	--
L38+00S 14+00W	201	15	20	85	0.1	--	--
L38+00S 15+00W	201	17	40	90	0.1	--	--
L38+00S 16+00W	201	19	35	103	0.1	--	--
L38+00S 17+00W	201	15	7	36	0.1	--	--
L38+00S 18+00W	201	14	10	36	0.1	--	--
L39N 1+00E	201	18	10	38	0.1	--	--
39N 0+00	201	225	1	46	0.5	--	--
39N 1+00W	201	21	20	50	0.2	--	--
L39N 2+00W	201	43	20	96	0.1	--	--

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TO : TURNEX EXPLORATION SERVICES LTD.
704-525 SEYMOUR ST.
VANCOUVER, B.C.
V6B 3H7

CERT. # : A8113507-002-A
INVOICE # : I8113507
DATE : 03-SEP-81
P.O. # : NONE

ATTN: R. WANK SIEVED TO -35 MESH

Sample description	Prep code	Cu ppm	Pb ppm	Zn ppm	Ag ppm		
L39N 3+00W	201	37	23	125	0.1	--	--
L39N 4+00W	201	16	19	37	0.1	--	--
L39N 5+00W	201	9	1	11	0.1	--	--
L39N 6+00W	201	21	6	45	0.1	--	--
L39N 7+00W	201	15	7	32	0.1	--	--
L39N 8+00W	201	76	13	144	0.8	--	--
L39N 9+00W	201	34	50	180	0.2	--	--
L39N 10+00W	201	30	35	96	1.6	--	--
L39N 11+00W	201	54	110	496	0.2	--	--
L39N 12+00W	201	17	32	114	0.9	--	--
L39N 13+00W	201	21	68	230	0.6	--	--
L39N 13+50W	201	27	32	70	0.8	--	--
L39S 1E	201	114	32	135	0.2	--	--
L39S 0+00	201	26	7	23	0.1	--	--
L39S 01W	201	18	18	44	0.1	--	--
L39S 02W	201	15	18	44	0.1	--	--
L39S 03W	201	27	24	110	0.1	--	--
L39S 04W	201	10	3	20	0.1	--	--
L39S 05W	201	41	55	185	0.1	--	--
L39S 06W	201	18	10	48	0.1	--	--
L39S 07W	201	19	17	60	0.1	--	--
L39S 08W	201	18	20	85	0.1	--	--
L40N 01+00W	201	58	34	178	0.1	--	--
L40N 02+00W	201	22	20	75	0.2	--	--
L40N 03+00W	201	12	8	17	0.2	--	--
L40N 04+00W	201	18	19	26	0.1	--	--
L40N 05+00W	201	108	24	92	0.1	--	--
L40N 06+00W	201	69	36	176	0.1	--	--
L40N 07+00W	201	29	35	145	0.1	--	--
L40N 08+00W	201	25	40	268	0.2	--	--
L40N 09+00W	201	32	44	166	0.8	--	--
L40N 10+00W	201	26	55	205	0.1	--	--
L40N 11+00W	201	21	25	110	0.1	--	--
L40N 12+00W	201	26	17	28	0.1	--	--
L40N 13+00W	201	10	9	18	0.1	--	--
L40N 13+50W	201	13	25	138	0.1	--	--
L40S 1+00E	201	20	90	132	0.3	--	--
L40S 0E 0W	201	39	440	1350	1.2	--	--
L40S 1W	201	69	30	139	0.1	--	--
L40S 2W	201	50	30	205	0.1	--	--

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CTA MEMBER CANADIAN TESTING ASSOCIATION

CHEMEX LABS LTD.

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NORTH VANCOUVER, B C
CANADA V7J 2C1

TELEPHONE (604)984-0221
TELEX 043-52597

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CERTIFICATE OF ANALYSIS

TO : TURNEX EXPLORATION SERVICES LTD.
704-525 SEYMOUR ST.
VANCOUVER, B.C.
V6B 3H7

CERT. # : A8113507-003-A
INVOICE # : I8113507
DATE : 03-SEP-81
P.O. # : NONE

ATTN: R. WANK SIEVED TO -35 MESH

Sample description	Prep code	Cu ppm	Pb ppm	Zn ppm	Ag ppm		
L40S 3W	201	475	33	92	0.7	--	--
L40S 4W	201	13	15	10	0.1	--	--
L40S 5W	201	59	60	186	0.1	--	--
L41N 2+00W	201	69	43	190	0.1	--	--
L41N 3.5+00W	201	26	22	100	0.1	--	--
L41N 4W	201	24	17	74	0.1	--	--
L41N 05+00W	201	12	30	42	0.1	--	--
L41N 06+00W	201	11	11	19	0.1	--	--
L41N 07+00W	201	13	15	63	0.1	--	--
L41N 08+00W	201	23	55	132	0.1	--	--
L41N 09+00W	201	11	23	39	0.1	--	--
L41N 10+00W	201	12	22	56	0.1	--	--
L41N 11+00W	201	8	15	16	0.1	--	--
L41N 12+00W	201	9	22	54	0.1	--	--
L41S 1+00E	201	87	35	125	0.1	--	--
L41S 0E 0W	201	16	2	16	0.1	--	--
L41S 1W	201	12	3	25	0.6	--	--
L41S 2W	201	17	20	52	0.1	--	--
L41S 3W	201	14	46	32	0.1	--	--
L41S 4W	201	21	52	153	0.1	--	--
L41S 5W	201	17	32	90	0.1	--	--
L42N 03+00W	201	16	15	45	0.1	--	--
L42N 04+00W	201	19	19	78	0.1	--	--
L42N 05+00W	201	41	44	170	0.1	--	--
L42N 06+00W	201	12	10	19	0.1	--	--
L42N 07+00W	201	22	16	61	0.1	--	--
L42N 08+00W	201	20	14	70	0.1	--	--
L42N 09+00W	201	11	18	35	0.1	--	--
L42N 10+00W	201	29	82	220	0.1	--	--
L42N 11+00W	201	16	33	72	0.2	--	--
L42N 12+00W	201	9	26	22	0.1	--	--
L42S 1E	201	7	2	7	0.1	--	--
L42S 0E 0W	201	7	5	7	0.1	--	--
L42S 1+00W	201	11	7	23	0.1	--	--
L42S 2+00W	201	11	16	23	0.1	--	--
L42S 3+00W	201	13	30	77	0.1	--	--
L42S 4+00W	201	12	8	66	0.1	--	--
2S 5+00W	201	21	26	49	0.1	--	--
L42S 6+00W	201	33	34	75	0.1	--	--
L42S 7+00W	201	30	100	110	0.1	--	--

Certified by Hart Biddle

CHEMEX LABS LTD.

212 BROOKSBANK AVE
NORTH VANCOUVER, B C
CANADA V7J 2C1
TELEPHONE (604)984-0221
TELEX 043-52597

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

CERTIFICATE OF ANALYSIS

TO : TURNEX EXPLORATION SERVICES LTD.
704-525 SEYMOUR ST.
VANCOUVER, B.C.
V6B 3H7

CERT. # : A8113507-004-A
INVOICE # : I8113507
DATE : 03-SEP-81
P.O. # : NONE

ATTN: R. HANK SIEVED TO -35 MESH

Sample description	Prep code	Cu ppm	Pb ppm	Zn ppm	Ag ppm		
L42S 08+00W	201	32	30	78	0.1	--	--
L42S 09+00W	201	24	30	60	0.1	--	--
L42S 10+00W	201	34	70	138	0.1	--	--
L42S 11+00W	201	11	2	49	0.1	--	--
L42S 12+00W	201	14	13	35	0.1	--	--
L42S 13+00W	201	17	80	73	0.1	--	--
L43N 1+00E	201	37	30	150	0.1	--	--
L43N 2+00EA	201	22	19	70	0.1	--	--
L43N 2+00EB	201	26	16	75	0.1	--	--
L43N 3+00E	201	21	23	48	0.1	--	--
L43N 4+00E	201	23	15	140	0.1	--	--
L43N 4+50E	201	20	15	145	0.1	--	--
3+00N 0+00	201	27	29	115	0.1	--	--
L43+00N 01+00W	201	43	55	104	0.1	--	--
L43+00N 02+00W	201	25	30	67	0.1	--	--
L43+00N 03+00W	201	34	73	156	0.1	--	--
L43+00N 04+00W	201	31	47	118	0.1	--	--
L43+00N 05+00W	201	39	65	215	0.2	--	--
L43+00N 06+00W	201	14	22	46	0.3	--	--
L43+00N 07+00W	201	16	25	70	0.2	--	--
L43+00N 08+00W	201	15	45	98	0.3	--	--
L43+00N 09+00W	201	24	39	208	0.6	--	--
L43+00N 10+00W	201	12	18	52	0.3	--	--
L43+00N 11+00W	201	9	14	22	0.1	--	--
L43+00N 12+00W	201	14	40	85	0.3	--	--
L43+00N 13+00W	201	24	27	32	0.5	--	--
L43+00N 13+50W	201	12	14	43	0.3	--	--
L44N 1+00E	201	66	29	187	0.1	--	--
L44N 2+00E	201	76	70	268	0.2	--	--
L44N 3+00E	201	15	14	51	0.2	--	--
L44N 4+00E	201	22	17	42	0.3	--	--
L44N 4+50E	201	26	20	88	0.1	--	--
L44N 0+00W	201	48	150	255	0.1	--	--
L44N 1+00W	201	45	35	235	0.3	--	--
L44N 2+00W	201	29	24	128	0.6	--	--
L44N 3+00W	201	33	31	115	0.1	--	--
L44N 4+00W	201	45	43	215	0.2	--	--
L44N 5+00W	201	27	30	92	0.2	--	--
L44N 6+00W	201	19	22	62	0.1	--	--
L44N 7+00W	201	58	27	91	0.1	--	--

2

Certified by ..... Hank Biddle

CTA MEMBER CANADIAN TESTING ASSOCIATION

APPENDIX

DON TULLY ENGINEERING LTD.
SUITE 102 - 2222 BELLEVUE AVENUE
WEST VANCOUVER, BRITISH COLUMBIA
V7V 1C7

SURVEY PROCEDURE

PATRICIA - 18 CLAIMS

FIELD PERSONNEL - R.N. Wank (Contractor-Watson Lake, Y.T.)
R. Till - Field Technician (Foreman)
S. Melnychuk - Field Technician
C. Wank - Field Technician
F. Close - Field Technician
D. Melnychuk - Field Technician

PERIOD OF SURVEY - August 5th to August 20th, 1981.

The contract consisted of three parts: laying out a survey grid, completing a magnetometer survey and an Electromagnetic survey.

The survey grid was completed with compass and hip chain. Because of the rough terrain the base line or control line could not be run on a consistent North South direction. It was run along the top of the mountain range and deviated where walking made it impossible to keep accurate control. The base line or control line #1 was marked every 50 meters with blue and orange ribbon and every 100 meters with a picket.

Some areas of the property were impossible to survey because of the extremely rough terrain, therefore the survey lines are not all running in an East West direction. To best cover the property we found following the ridges and valleys more suited to an accurate survey. All lines were tied back to Base Line #1.(either through another line or directly).

Survey lines are flagged with orange ribbons with marked blue ribbons, blue ribbons designating all 50 and 100 meter stations. Lines were run where-ever possible. Steep terrain with many cliffs made some areas impossible to survey.

The magnetometer survey was completed with the use of the Gem Systems magnetometer serial #1202. Readings were taken on all survey lines at 50 meter spacings. The intersections ofthe survey lines with the base line was established as base stations for magnetometer.

The Electromagnetic survey was completed with the use of the Phoenix VL-2 unit serial #1061 - 1099. Seattle, Washington (186KH2) was used as the transmitting station. Readings were

taken every 50 meters along each survey line.

The Geochemical survey was completed by taking chemical samples every 100 meters along all survey lines.

There was a total of 141 samples taken. The samples were then shipped to Chemex Labs Ltd in Vancouver for analysis of Copper, Lead, Zink and Silver.

Robert Wank
Geo-Teck Services Ltd.

Baseline at 12+00 W

5+00 W
4+00 W
3+00 W
2+00 W
1+00 W
0+00
1+00 E
2+00 E
3+00 E
4+00 E
5+00 E
6+00 E
7+00 E
8+00 E
9+00 E
10+00 E

L 44+00 S
L 43+00 S
L 42+00 S
L 41+00 S
L 40+00 S
L 39+00 S
L 38+00 S
L 37+00 S
L 36+00 S
L 35+00 S
L 34+00 S
L 33+00 S
L 32+00 S
L 31+00 S
L 30+00 S
L 29+00 S
L 28+00 S
L 27+00 S
L 26+00 S
L 25+00 S
L 24+00 S
L 23+00 S

(B.L. 32.00S)
(B.L. 31+00S)

YA 57513/18
YA 57512/17
YA 57515/20
YA 57514/19
YA 57517/22
YA 57516/21
YA 57503/8
YA 57502/7
YA 5750 1/6
YA 57500/5

Map Key

Framed Area represents THIS Sheet

FIGURE 7A

L E G E N D

- Flagged Station (Compass & Chain Survey)
- Claim Post
- ~~LCP (Legal Corner Post)~~
- Magnetometer-Survey Base-Station
- Bush Road
- Creek
- Swamp
- Canyon

6800
120
±20
67

- Magnetometer Readings, gamma
- Electro-Magnetic Survey Field-Strength, %
  - E -M " " , Profile
  - E -M Dip Angle , °
  - E -M " " , Profile
- Geo-Chemical Survey, ppm.
- Contour
- Depression
- Apparent Electro-Magnetic Conductor Zone

Field-Work by GeoTeck Services
Watson Lake, Y.T.

Field-Work Period: AUGUST 5 - 20, 1981.

To accompany a Report
by Donald W. Tully, P. Eng.
dated JUNE 4, 1982.

All Locations.
Subject to Survey

Donald W. Tully

KINAI RESOURCES LTD.

MAGNETOMETER SURVEY

Instrument used: GEM Systems Mag. No. 1202

Contours plotted in 100-gamma Intervals

PATRICIA Claim Group 1-18 Units

WATSON LAKE — Mining District

Watson Lake, Yukon Territory 091066

Scale: 1cm = 25m *Date:* JUNE 4, 1982.

Metres 50 0 100 200 300 400

COMPILED FROM INFORMATION BELIEVED TO BE RELIABLE BUT NOT GUARANTEED.

FIGURE 7B

L E G E N D

	Flagged Station (Compass & Chain Survey)
	Claim Post
	LCP (Legal Corner Post)
	Magnetometer-Survey Base-Station
	Bush Road
	Creek
	Swamp
	Canyon
56800	Magnetometer Readings, gamma
120	Electro-Magnetic Survey Field-Strength, %
	E -M " " , Profile
±20	E -M Dip Angle , °
	E -M " " , Profile
67	Geo-Chemical Survey, ppm.
	Contour
	Depression
-o-o-	Apparent Electro-Magnetic Conductor Zone

Field-Work by GeoTeck Services
Watson Lake, Y.T.

Field-Work Period: AUGUST 5-20, 1981.

To accompany a Report by Donald W. Tully, P. Eng. dated JUNE 4, 1982.

All Locations Subject to Survey

Donald W. Tully

KINAI RESOURCES LTD.

MAGNETOMETER SURVEY

Instrument used: GEM Systems Mag. No. 1202

Contours plotted in 100-gamma Intervals

PATRICIA Claim Group 1-18 Units

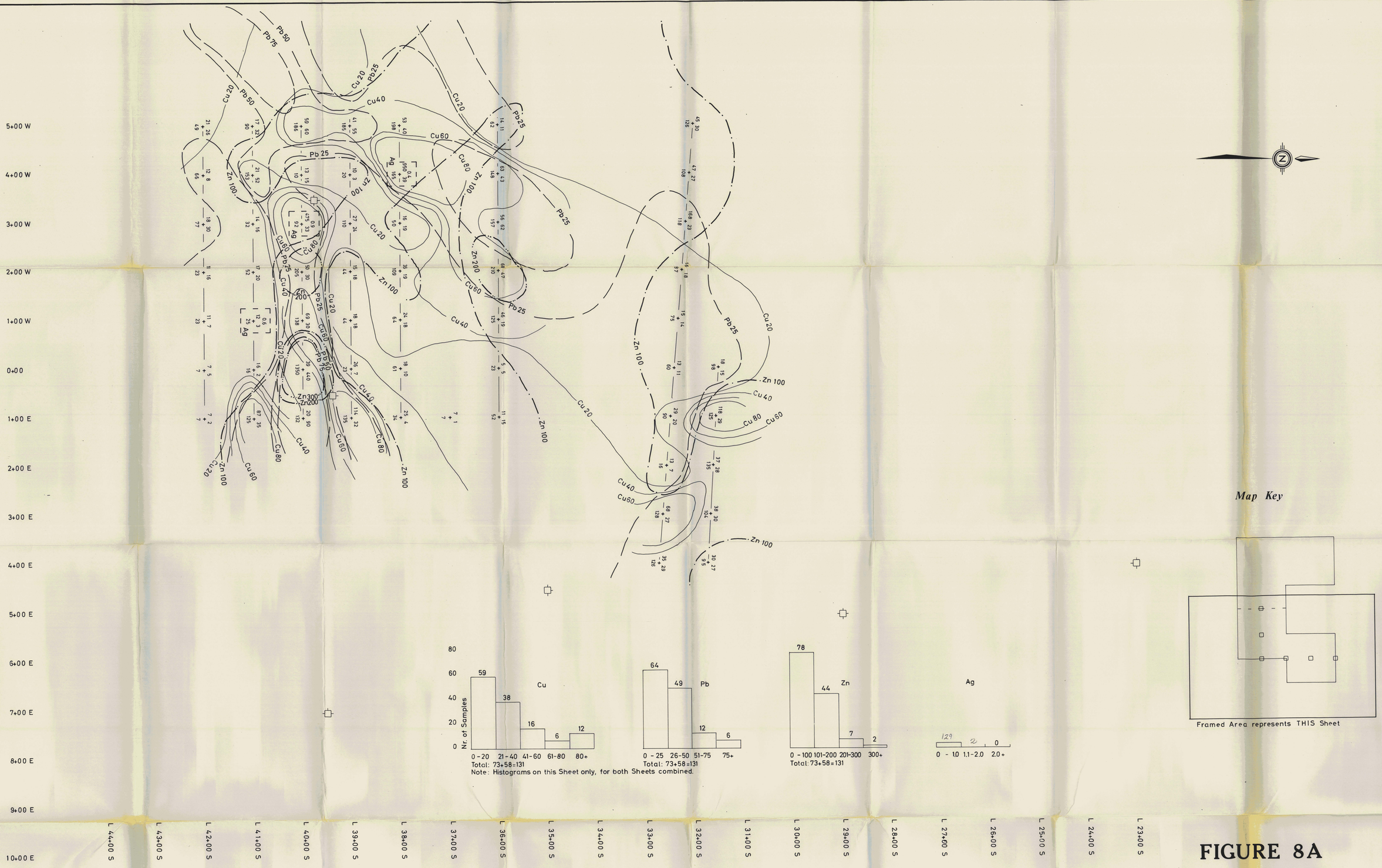
WATSON LAKE ——— Mining District

Watson Lake, Yukon Territory 091066

Scale: 1cm = 25m *Date:* JUNE 4, 1982.

Metres 50 0 100 200 300 400

COMPILED FROM INFORMATION BELIEVED TO BE RELIABLE BUT NOT GUARANTEED.



Map Key

Framed Area represents THIS Sheet

FIGURE 8A

L E G E N D

- *Flagged Station (Compass & Chain Survey)*
- *Claim Post*
- *LCP (Legal Corner Post)*
- *Magnetometer-Survey Base-Station*
- *Bush Road*
- *Creek*
- *Swamp*
- *Canyon*

- 6800 *Magnetometer Readings, gamma*
- 120 *Electro-Magnetic Survey Field-Strength, %*
- *E -M " " , Profile*
- ±20 *E -M Dip Angle , °*
- *E -M " " , Profile*
- 67 *Geo-Chemical Survey, ppm.*
- *Contour*
- *Depression*
- -o-o- *Apparent Electro-Magnetic Conductor Zone*

Field-Work by GeoTeck Services
Watson Lake, Y.T.

Field-Work Period: AUGUST 5 - 20, 1981.

To accompany a Report
by Donald W. Tully, P. Eng.
dated JUNE 4, 1982.

All Locations.
Subject to Survey Donald W. Tully

KINAI RESOURCES LTD.

GEO-CHEMICAL SURVEY

Figures indicate: Ag / Cu Pb / Zn *ppm.*

PATRICIA Claim Group 1-18 Units

WATSON LAKE — Mining District
Watson Lake, Yukon Territory 091066

Scale: 1cm = 25m *Date:* JUNE 4, 1982.

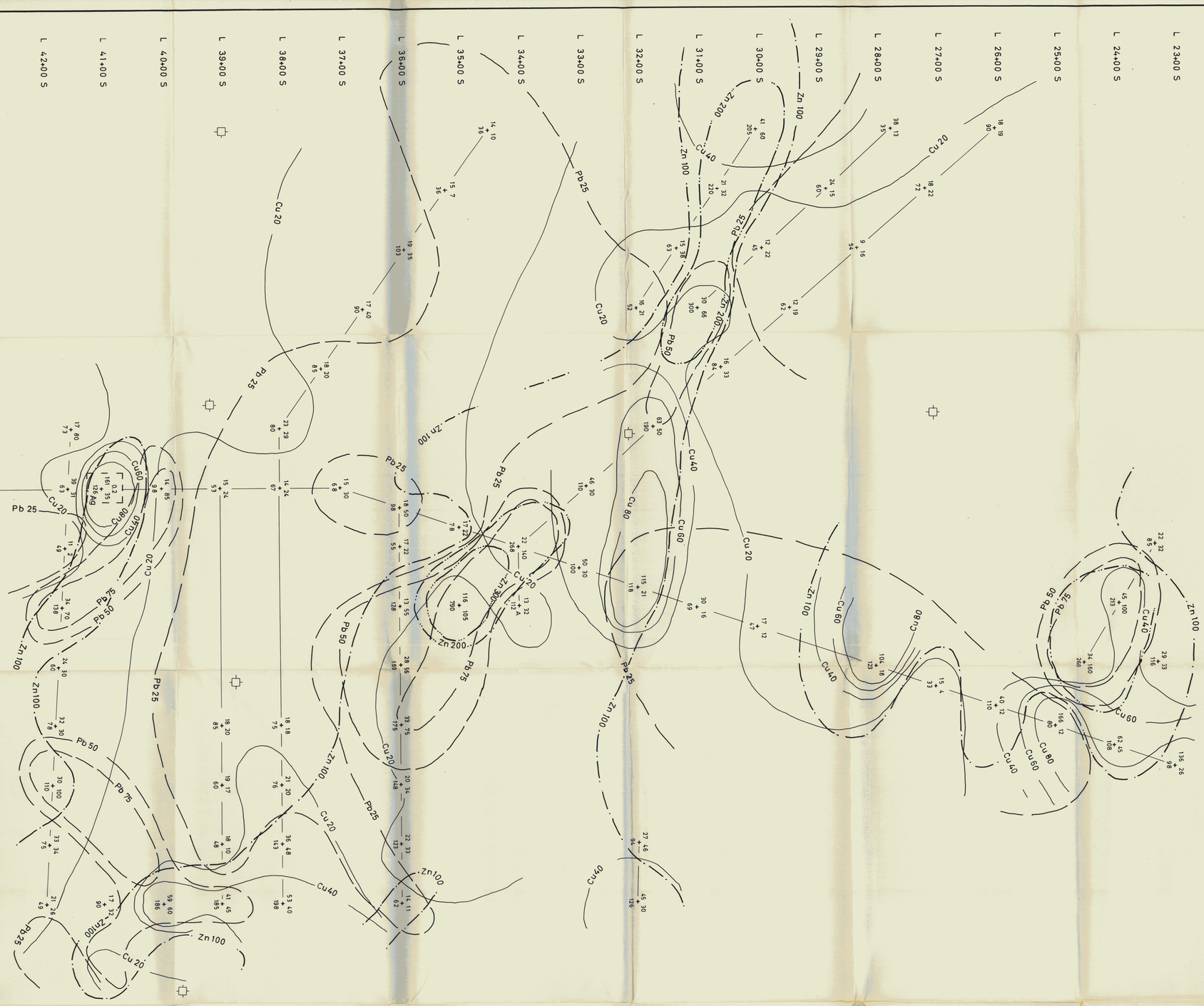
Metres 50 0 100 200 300 400

COMPILED FROM INFORMATION BELIEVED TO BE RELIABLE BUT NOT GUARANTEED.

L 44+00 S
L 43+00 S
L 42+00 S
L 41+00 S
L 40+00 S
L 39+00 S
L 38+00 S
L 37+00 S
L 36+00 S
L 35+00 S
L 34+00 S
L 33+00 S
L 32+00 S
L 31+00 S
L 30+00 S
L 29+00 S
L 28+00 S
L 27+00 S
L 26+00 S
L 25+00 S
L 24+00 S
L 23+00 S

18+00W
17+00W
16+00W
15+00W
14+00W
13+00W
12+00W
11+00W
10+00W
9+00W
8+00W
7+00W
6+00W
5+00W

Baseline 1



Map Key

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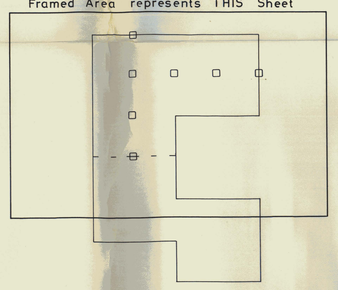


LEGEND

- Flagged Station (Compass & Chain Survey)
- Claim Post
- ~~LCP (Legal Corner Post)~~
- Magnetometer-Survey Base-Station
- Bush Road
- Creek
- Swamp
- Canyon

6800
120
±20
67

- Magnetometer Readings, gamma
- Electro-Magnetic Survey Field-Strength, %
- E -M " " , Profile
- E -M Dip Angle , °
- E -M " " , Profile
- Geo-Chemical Survey, ppm.
- Contour
- Depression
- Apparent Electro-Magnetic Conductor Zone

Field-Work by GeoTeck Services
Watson Lake, Y.T.

Field-Work Period: AUGUST 5 - 20, 1981.

To accompany a Report
by Donald W. Tully, P. Eng.
dated JUNE 4, 1982.

All Locations.
Subject to Survey

Donald W. Tully

FIGURE 8B

KINAI RESOURCES LTD.

GEO-CHEMICAL SURVEY

Figures indicate: Ag / Cu Pb / Zn ppm.

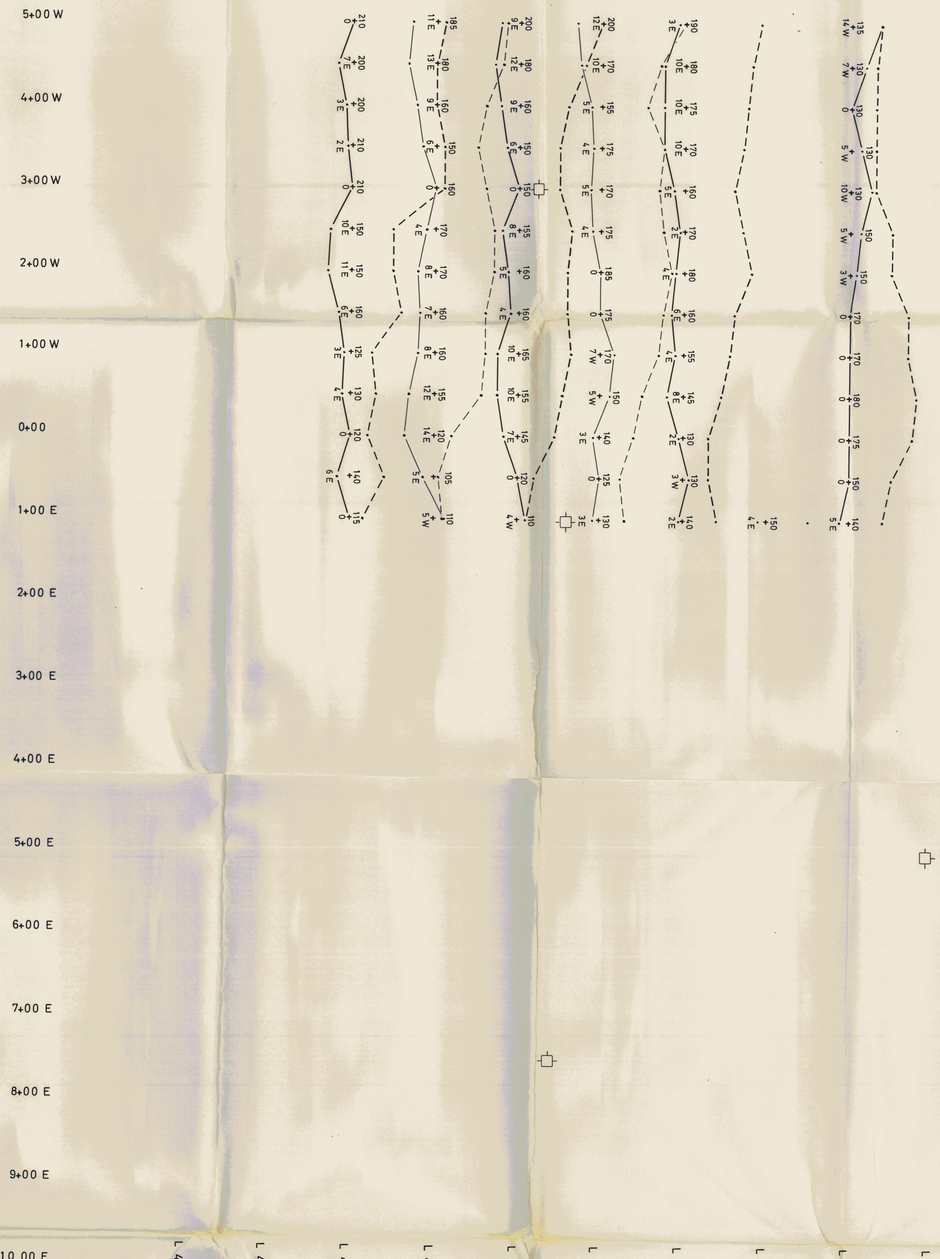
PATRICIA Claim Group 1-18 Units

WATSON LAKE ——— Mining District
091066
Watson Lake, Yukon Territory

Scale: 1cm = 25m Date: JUNE 4, 1982.

Metres 50 0 100 200 300 400

COMPILED FROM INFORMATION BELIEVED TO BE RELIABLE BUT NOT GUARANTEED.



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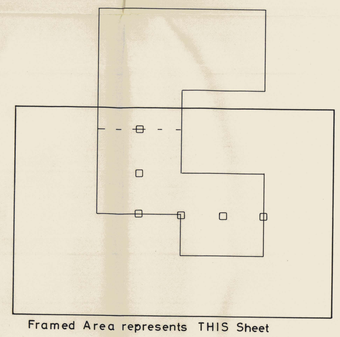

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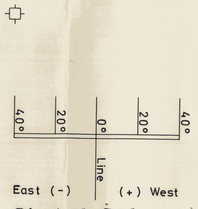
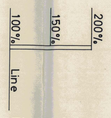


Dip-Angle Scale



Field-Strength Scale

LEGEND

- *Flagged Station (Compass & Chain Survey)*
- *Claim Post*
- *LCP (Legal Corner Post)*
- *Magnetometer-Survey Base-Station*
- *Bush Road*
- *Creek*
- *Swamp*
- *Canyon*

- 6800 *Magnetometer Readings, gamma*
- 120 *Electro-Magnetic Survey Field-Strength, %*
- *E -M " " , Profile*
- ±20 *E -M Dip Angle , °*
- *E -M " " , Profile*
- 67 *Geo-Chemical Survey, ppm.*
- *Contour*
- *Depression*
- *Apparent Electro-Magnetic Conductor Zone*

Field-Work by GeoTeck Services
Watson Lake, Y.T.

Field-Work Period: AUGUST 5 - 20, 1981.

To accompany a Report
by Donald W. Tully, P. Eng.
dated JUNE 4, 1982.

All Locations.
Subject to Survey

Donald W. Tully

FIGURE 9A

KINAI RESOURCES LTD.

ELECTRO - MAGNETIC SURVEY
Instrument: PHOENIX EM (VLF-2) No. 1061

PATRICIA Claim Group 1-18 Units

WATSON LAKE — Mining District
Watson Lake, Yukon Territory 091066

Scale: 1cm = 25m *Date:* JUNE 4, 1982.
Metres 50 0 100 200 300 400

COMPILED FROM INFORMATION BELIEVED TO BE RELIABLE BUT NOT GUARANTEED.

L 44+00 S
L 43+00 S
L 42+00 S
L 41+00 S
L 40+00 S
L 39+00 S
L 38+00 S
L 37+00 S
L 36+00 S
L 35+00 S
L 34+00 S
L 33+00 S
L 32+00 S
L 31+00 S
L 30+00 S
L 29+00 S
L 28+00 S
L 27+00 S
L 26+00 S
L 25+00 S
L 24+00 S
L 23+00 S

18+00 W
17+00 W
16+00 W
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12+00 W
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5+00 W
4+00 W
3+00 W

Baseline 1

Map Key

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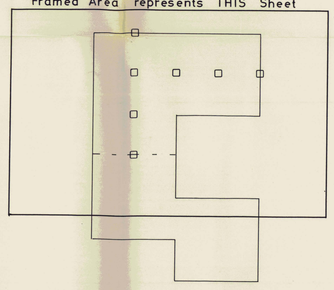
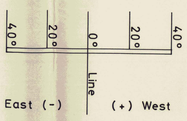
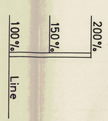




Dip-Angle Scale



Field-Strength Scale

LEGEND

- *Flagged Station (Compass & Chain Survey)*
- *Claim Post*
- ~~*LCP (Legal Corner Post)*~~
- *Magnetometer-Survey Base-Station*
- *Bush Road*
- *Creek*
- *Swamp*
- *Canyon*

- 6800 *Magnetometer Readings, gamma*
- 120 *Electro-Magnetic Survey Field-Strength, %*
- *E -M " " , Profile*
- ±20 *E -M Dip Angle , °*
- *E -M " " , Profile*
- 67 *Geo-Chemical Survey, ppm.*
- *Contour*
- *Depression*
- *Apparent Electro-Magnetic Conductor Zone*

COMPILED FROM INFORMATION BELIEVED TO BE RELIABLE BUT NOT GUARANTEED.

Field-Work by GeoTeck Services
Watson Lake, Y.T.

Field-Work Period: AUGUST 5 - 20, 1981.

To accompany a Report
by Donald W. Tully, P. Eng.
dated JUNE 4, 1982.

All Locations.
Subject to Survey

Donald W. Tully

FIGURE 9B

KINAI RESOURCES LTD.

ELECTRO - MAGNETIC SURVEY

Instrument: PHOENIX EM (VLF-2) No. 1061

PATRICIA Claim Group 1-18 Units

WATSON LAKE — Mining District

Watson Lake, Yukon Territory

091066

Scale: 1cm = 25m *Date:* JUNE 4, 1982.

Metres 50 0 100 200 300 400