

LOG NO: DEC 29 1992 RD.

ACTION.

FILE NO:

1992 GEOLOGICAL REPORT

on the

TOKYO #1 and TOKYO #2 CLAIMS

Greenwood Mining District

British Columbia

North latitude 49° 07' 30" ✓ West longitude 118° 30' 35" ✓

82E 2E

Prepared for

Herman Hoehn - owner

Grand Forks, B.C.

Prepared by

R.E. Miller B. Eng. Sci.

Crownex Resources Ltd.

P.O. Box 2941

Grand Forks, B.C. V0H 1H0

and

Stan Ruzicka - Prospector

P.O. Box 1496

Grand Forks, B.C. V0H 1H0

RECEIVED

DEC 21 1992

GOVERNMENT AGENT
GRAND FORKS

GEOLOGICAL BRANCH
ASSESSMENT REPORT

RECEIVED

DEC 23 1992

GOVERNMENT AGENT
NELSON, B.C.

22,707

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1.0 INTRODUCTION

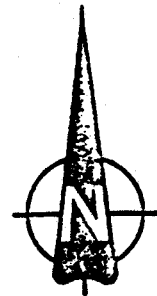
1.1 Summary

The owner, Mr. Herman Hoehn, of Grand Forks, B.C., in previous years, drilled core holes on the claims to satisfy assessment work requirements. One of the drill holes intersected chalcopyrite bearing skarn at depth, near some old turn of the centry workings on the Tokyo #2 claim. Through a series of events, the majority of the core and related assays were lost. Fortunately, Mr. Hoehn retained a piece of the mineralized intercept of sufficient amount to suggest that there could be continuation of the surface skarn zone showing to depth.

Because of the Tokyos' close physical proximity to the B.C. (L882), (B.C. Eholt Mine Ltd.) Mine, and the similar geologic setting, a modest ground recon program was initiated to assist Mr. Hoehn in the selection of his next drill target.

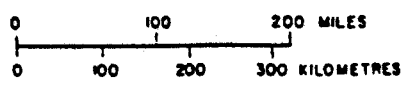
1.2 Location and Access

Located on the northwest side of Thimble Mountain, (Figure #1 & Figure #2) the claims lie near the head waters of Rathmullen Creek some 12 km northwest of Grand Forks, B.C.. Excellent access is provided by logging roads and old rail road grades east off of Highway #3 just south of Wilgress Lake.



PROPERTY LOCATION

CROWN RESOURCES CORP.			
Tokyo #1572			
PROPERTY LOCATION MAP			
GREENWOOD MINING DIVISION			
H. HOEHN			
DRAWN BY REM	NTS. 82E/3E	DATE 9/92	FIGURE 1



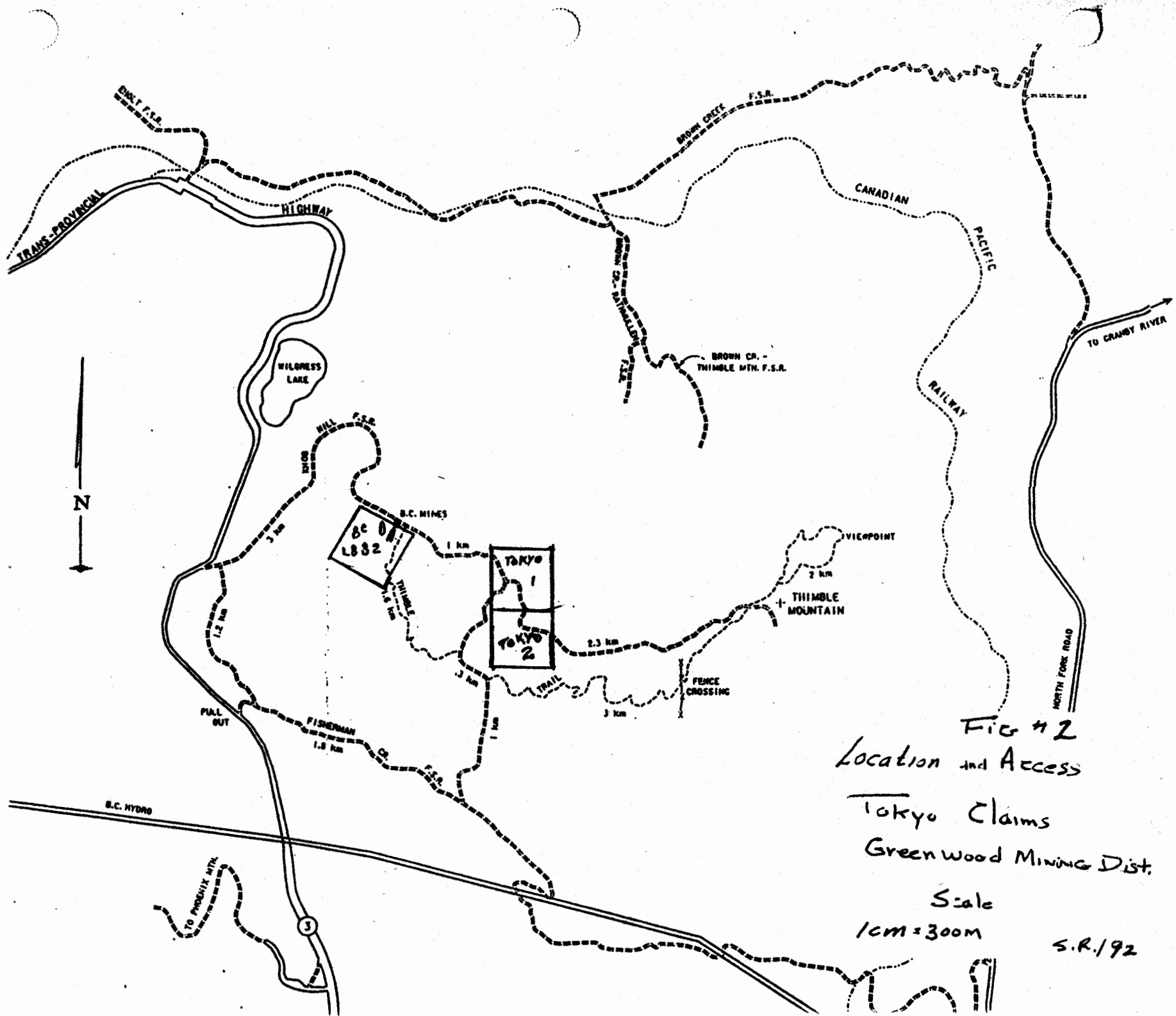


Fig 12
Location and Access

Tokyo Claims
Greenwood Mining Dist.

Scale
1cm = 300m

S.R. 192

1.3 Physiography and Climate

The Tokyo claims are located within the Midway Range of the Monashee Mountains at an elevation of approximately 1100 meters along the northwest slope of Thimble Mountain. The relief is moderate with rounded hills and fairly steep drainage valleys.

Conifers dominate in dry areas with poplar and scrub brush in the wet lands. Grasses are abundant in areas of minor underbrush.

Warm summers with moderate winters are the rule.

Precipitation is in the form of spring rain and late winter snow falls that can accumulate to one to two meters in depth.

1.4 Property Description

Pertinent claim data is as follows:

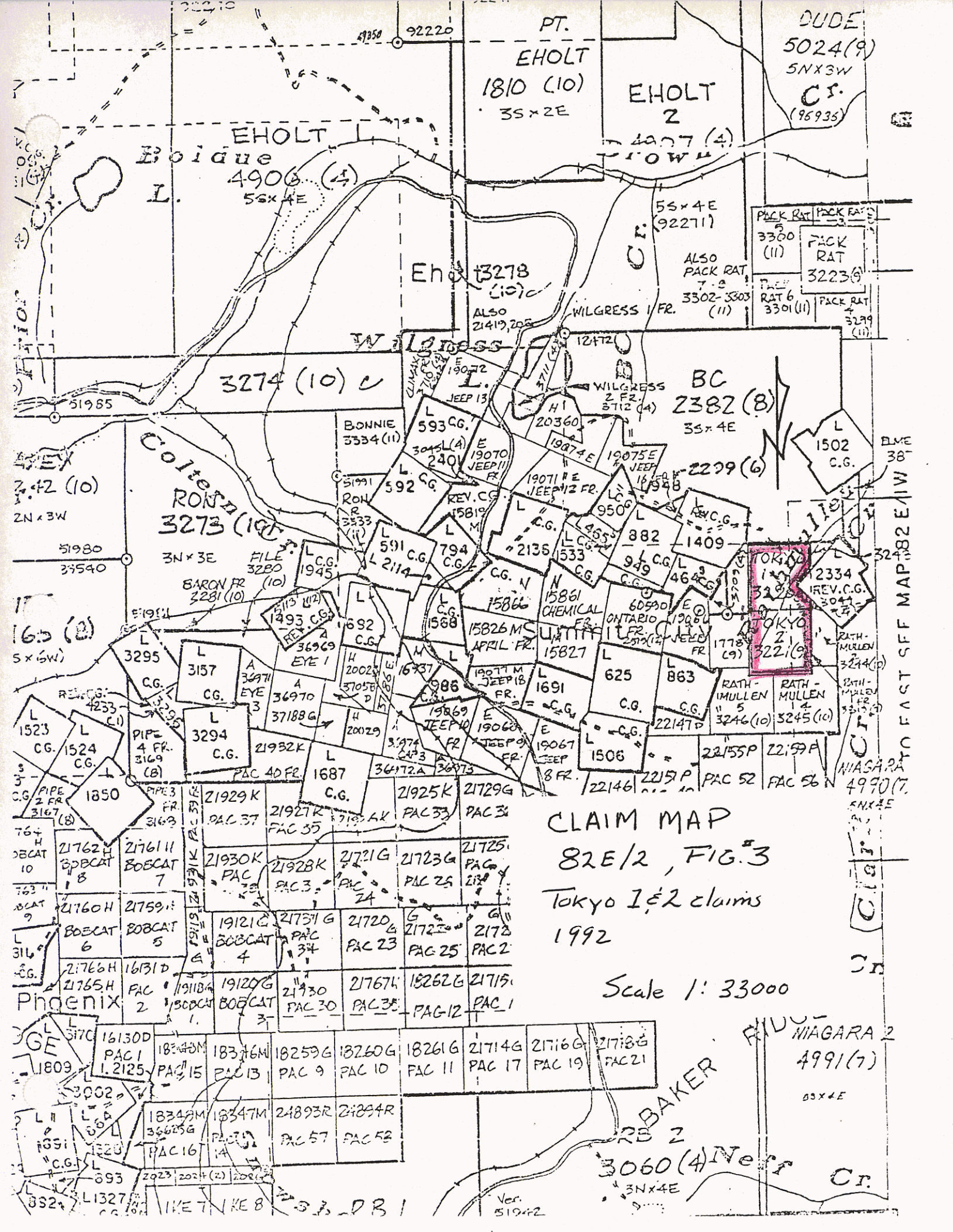
Claim Name	Record No.	Anniversary Date*
Tokyo #1	214602	22/9/93
Tokyo #2	214603	22/9/93

*Pending acceptance of this report

Owner is Mr. Herman Hoehn, a prospector currently residing in Grand Forks, B.C..

These two claims were staked as two post claims under the old 1500 foot by 1500 foot rules, with the initial post on the west end of the common line between the two claims.

(Figure #3)



PT. EHOLT 1810 (10) 35x2E
 EHOLT 2 4077 (4)
 DUDE 5024(9) 5NX3W C.S. (96935)

EHOLT L. Boique 4906 (4) 55x4E

PACK RAT 3300 (II) 3223(9)
 ALSO PACK RAT 3302-3303 (II)
 PACK RAT 3301(II) 3299 (II)

EHOLT 3278 (10)

3274 (10) C

BC 2382 (8) 35x4E

Colter RONNIE 3273 (19) 3N x 3E

BONNIE 3334 (II)

593 CG. 19070 JEEP 13

WILGRESS 2 FR. 3712 (4)

1502 C.G.

3x42 (10) 2N x 3W

51980 34540

163 (2) 5 x 6W

1523 CG. 1524 CG.

1850

21762H BOBCAT 10

21760H BOBCAT 6

21766H BOBCAT 2

1809

18349M PAC 16

18327

BARON FR 3281 (10)

1493 CG.

36969 EYE 1

36970

37188 G

21932K

21929K

21927K

21930K

21928K

19121G

21731G

19120G

21730

18349M

18347M

18345M

18343M

18341M

591 C.G. 2114

794 C.G.

15866

15826 MS APRIL FR.

15827

1691

1506

21925K

21729G

21721G

21720G

21720G

21767H

18262G

18260G

18259G

18257G

18255G

15869 JEEP 10

19067 JEEP 8 FR.

19077 M JEEP 18 FR.

19071 M JEEP 12 FR.

19070 JEEP 13

19075 E JEEP 7

19074 E

19073 E

19072 E

19071 E

19070 JEEP 13

19069 JEEP 10

19067 JEEP 8 FR.

19066 JEEP 9 FR.

19065 JEEP 10

19064 JEEP 11

19063 JEEP 12

19062 JEEP 13

15866

15861 CHEMICAL FR.

15827

1691

1506

21925K

21729G

21721G

21720G

21720G

21767H

18262G

18260G

18259G

18257G

18255G

18253G

18251G

15866

15861 CHEMICAL FR.

15827

1691

1506

21925K

21729G

21721G

21720G

21720G

21767H

18262G

18260G

18259G

18257G

18255G

18253G

18251G

15866

15861 CHEMICAL FR.

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21729G

21721G

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21720G

21767H

18262G

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18259G

18257G

18255G

18253G

18251G

15866

15861 CHEMICAL FR.

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1691

1506

21925K

21729G

21721G

21720G

21720G

21767H

18262G

18260G

18259G

18257G

18255G

18253G

18251G

15866

15861 CHEMICAL FR.

15827

1691

1506

21925K

21729G

21721G

21720G

21720G

21767H

18262G

18260G

18259G

18257G

18255G

18253G

18251G

CLAIM MAP
 82E/2, FIG. 3
 Tokyo 1 & 2 claims
 1992

Scale 1: 33000

BAKER 2
 3060 (4) Neff Cr.
 3N x 4E

NIAGARA 2
 4991 (7)
 63 x 4E

BLM 38' E/W

TO EAST SFF MAP 82E/1W

Ver. 51942

33 DB 1

1.5 Property History (Figure #4)

The mineral showings on the Tokyo claims were Crown granted in 1900 as the Mammoth claim L1410. No record of ore shipments were located related to the Mammoth claim. The B.C. claim lies approximately two claim lengths west of the Tokyo #1 claim. This famous producer has reported production from 1900 to 1938 of 103,478 imperial tons containing 1001 oz. of gold, 214,271 oz of silver and 9,025,661 lbs of copper. Sphalerite was also noted in the B.C. Mine ores.

2.0 GEOLOGY, GEOCHEMISTRY AND GEOPHYSICS

2.1 Regional Geology

Triassic metasediments, and Jurassic volcanics are intruded by diorite and granodiorites of the Nelson batholith. These in turn are cut by Tertiary intrusives and/or covered by tertiary flows and minor sediments. North to northeast faulting predominates, generally offsetting east west faults.

2.2 Property Geology

Brooklyn limestone striking north 10° to 20° east and dipping very steeply southeast was observed near a granodiorite contact. Coarse crystalline alkalic syenitic intrusive rock was found within the contact aureole. Marble occurs on the surface near the contact and from evidence on the prospect dumps of the old workings, both

PROPERTY HISTORY

Tokyo Claim Area.

FIG #4

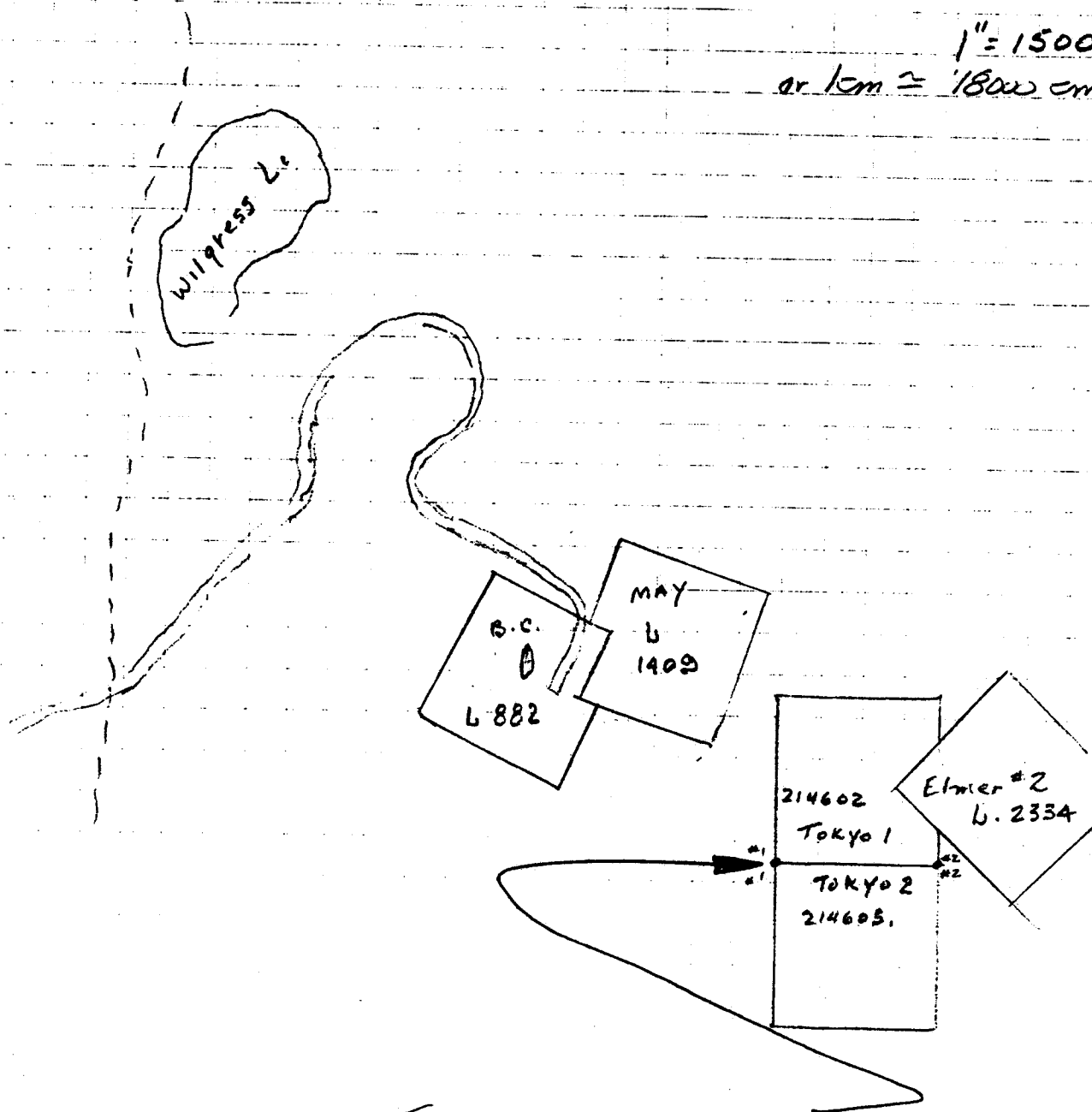
Scale = 1:18000

SR.



1" = 1500'

or 1cm = 18000 cm



Tokyo covers former

Mammoth claim

L 1410.

no record of shipments

E. G. 1900

exoskarn and endoskarn development has taken place at depth along the intrusive-metasediment contact.

2.3 Geochemistry (Figure #5 in pocket)

Four rock chip samples were collected from the existing working to aid in identifying the possible trace elements signature of the mineralization.

Elevated values for: gold, silver, arsenic, bismuth, cadmium, copper, and zinc were noted in the assays obtained from the four rock chip samples. In addition, high calcium values appear to reflect the bladed and disseminated calcite observed, which may represent a retrograde event.

Lead values of 700 and 316 ppm are also well above background but consistency appears to be suspect.

The mineral signature observed above, would lend itself well to a soil sampling program in which the assay package included a multi-element ICP suite.

2.4 Geophysics (Figure #5 in pocket)

Reconnaissance ground magnetometry was conducted with a hand held E G & G GEOMETRIC G-846 UNIMAG 11 Proton Magnetometer, the purpose of which was to define the mineralized contact. Projection of the skarn contact was thought to be possible based upon the observation of pyrrhotite in the mineralized rock associated with the zone.

The program was successful in defining two areas of

interest: one, a north-south magnetic high starting twenty meters west of the cabin and striking south for 50 meters along a series of old workings; two, a broad zone of relative ground mag highs west of the road some 80 meters southwest of the cabin in an area of extensive trenching previously unknown. Although outcrops are scarce in this area, where they have been observed, marble and limestone were predominant.

3.0 DISCUSSION AND RECOMMENDATIONS

Based on the data gathered to date Mr. Herman Hoehn has elected to drill the ground magnetic high of 57687 gammas which occurs some thirty five meters west and slightly south of the 2 meter shaft area. A step out of 60 meters, south 30° west of the main shaft area.

Should time and money permit, additional target definition could be obtained from a close spaced soil sampling and ground mag grid program.

Based on the B.C. Mine information, it is possible that a successful mineral intercept on the Tokyo claim could return the following assay results:

Gold	0.0097 opt
Silver	2.1 opt
Copper	4.4%

However, based on the information currently at hand, no accurate tonnage projection can be made.

APPENDIX A

STATEMENT OF QUALIFICATIONS

QUALIFICATIONS

STAN RUZICKA

Prospecting Course by Dr. Wm White, Dept of Geology, U.B.C.

Summer 1953

Prospecting Course given by George Addy, Mines Inspector,

Nelson Fall 1977

Prospecting and sampling rock, soil, sediments for:

Gevast Holdings Ltd. 1978 - 79

Kelsey Exploration Ltd. (Yukon) 1980

Skylark Resources Ltd. 1987

Crownex 1991

Leased, mined and shipped ore to the Trail Smetler from the

D.A. and Gold Bug Claims 1954

Enterprize and Paddy Claims 1963

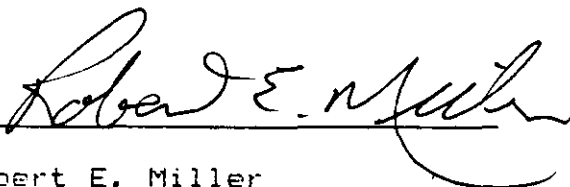


STATEMENT OF QUALIFICATIONS

I ROBERT E. MILLER, of Oroville, Washington U.S.A., DO
HEREBY CERTIFY:

1. THAT I am a geologist with Crown Resources Corporation,
with a business address of Star Route 85, Oroville,
Washington 98844.
2. THAT I am a graduate from Brigham Young University with
a Bachelor of Science degree in Geological Engineering
(1969).
3. THAT I have practised my profession continuously since
graduation.
4. THAT I personally conducted the 1992 exploration
program discussed in this report.

DATED this Dec 15 day of _____, 1992.



Robert E. Miller
Geological Engineer

APPENDIX B

MINERAL PROPERTY REPORT

Rock Chip Sample Assays
Expenditures
References

TITLE PAGE

CLAIM NAME TOKYO*1, TOKYO*2

CLAIM NUMBER 214602, 214603

LOT NUMBER _____

MINING DISTRICT GREENWOOD

LAND DISTRICT SIMILKAMEEN DIV. YALE LAND DISTRICT

MAP SHEET 82E/SE

LAT. 49° 07' 30" LONG. 118° 30' 35"

OWNER HERMAN HOEHN OF GRAND FORKS

PROSPECTOR S. RUZICKA OF GRAND FORKS

CROWNEX - MINERAL PROPERTY REPORT

PROPERTY NAME TOKYO #1 & #2 SITE VISIT Yes (✓) No ()PROV B.C. MINING DIST Greenwood GEOLOGIST R.E. MillerTARGET Au, Cu, Skarn DATE Aug 15 - Sept 21, 1992QUAD: Grand Forks 1:100,000 COMMODITY Copper
Zone Northing Easting Nearest Town
UTM COORDINATE 11 54 43000 389400 Grand ForksCLAIM INFORMATION Tokyo #1 (214602) & Tokyo #2 (214603)Thimble Mt. area North west of Grand ForksOWNER: Herman HoehnTELEPHONE: (604) 442-3781PROPERTY PROSPECTOR: Stan RuzickaTELEPHONE: (604) 442-3416GEOLOGY: Contact Metasomatism between late Jurassic granodiorite and limestone of the Triassic Brooklyn Group. Younger Alkali feldspar porphyry cuts the intrusive limestone contactSTRUCTURE: Limestone beds generally strike N10-20°E and dip very steeply to the SE.GEOPHYSICS: ground mag recon was tried in hopes of following the intrusive metasediment contact. Most of the old workings are within areas of relatively high magnetometer readingsGEOCHEMISTRY: four rock chips indicate a j copper, gold, zinc, arsenic, bismuth, cadmium association - Soil geochem should include an ICP multi-element package.NO. SAMPLES COLLECTED: 4 % DETECTIBLE AU: 100 HI VALUE 1070ppbMINERALIZATION AND ALTERATION: pyrrhotite, chalcopyrite, pyrite, sphalerite and hematite with gylva and calcite VN's on mineralized pads in a skarn zone along an intrusive limestone contact.CONCLUSION: Ground mag did help to outline the mineralization contact.RECOMMENDATIONS: Control grid soil sampling and ground magnetometry would develop a more comprehensive look at the mineralization and its economic potential

EXPENDITURES

Field Expenses:

Man Field Days: (\$)_p

Geologist	2 days @ ⁹ 225/day	<u>450⁻</u>
Prospector	2 days @ ⁹ 100/day	<u>200⁻</u>
Field Assistant		<u> </u>
Vehicle	2 days @ ³ 65-/day	<u>130⁻</u>
Lodging and Meals		<u> </u>
Misc.		<u> </u>

Geologic Expenses:

Assays	4 @ 18 ⁰⁰ ea	<u>72⁰⁰</u>
Shipping		<u>12⁰⁰</u>
Equipment Rental	may 2 days @ ³ 15/day	<u>30⁻</u>
Literature and Maps		<u> </u>
Misc.		<u> </u>

Office Expenses:

Drafting and Reproduction		<u> </u>
Report Preparation		<u>105⁰⁰</u>
Misc.		<u> </u>

TOTAL:

\$ 994⁰⁰

REFERENCES

- Templeman, Kluit, D.S., 1989. Geology, Penticton, British Columbia, Geological Survey of Canada, Map 1736A, 1:250,000 Scale.

APPENDIX C
CERTIFICATE OF ANALYSIS



Chemex Labs Ltd.

Analytical Chemists

Geochemists

Registered Assayers

212 Brooksbank Ave.
North Vancouver, B.C.
Canada V7J 2C1

Phone: (604) 984-0221

Telex: 04-352597

Fax: (604) 984-0218

Au (oz/T) : Code 398

Gold analysis is carried out by standard fire assay techniques. In the sample preparation stage the screens are checked for metallics which, if present, are assayed separately and calculated into the results obtained from the pulp assay.

A 0.5 assay ton sample is fused with a neutral flux inquarted with 2 mg of Au-free silver and then cupelled.

Silver beads for AA finish are digested for 1/2 hour in 1 ml HNO₃, then 3 ml HCl is added and digested for 1 hour. The samples are cooled and made to a volume of 10 ml, homogenized and run on the AAS with background correction.

Detection Limit 0.002 oz/T

Code 981 is the same as 398, but performed on a rush basis.

Gold FA-AA ppb - Chemex Code 100

A 10 gram sample is fused with a neutral flux inquarted with 6 mg of Au-free silver and then cupelled.

Silver beads for AA finish are digested for 1/2 hour in 0.5 ml HNO₃, then 1.5 ml HCl is added and digested for 1 hour. The samples are cooled and made to a volume of 5 ml, homogenized and run on the AAS with background correction.

Detection limit: 5 ppb



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
 994 West Glendale Ave., Suite 7, Sparks,
 Nevada, U.S.A. 89431
 PHONE: 702-356-5395

CROWN RESOURCE CORPORATION

820 16TH ST., STE. 415
 DENVER, COLORADO
 80202

A9026091

Comments: ATTN: CHRIS HERALD CC: J. SHANNON CC: R. MILLER

CERTIFICATE

A9026091

CROWN RESOURCE CORPORATION

Project: MIDWAY
 P.O. #:

Samples submitted to our lab in Vancouver, BC.
 This report was printed on 8-NOV-90.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
205	10	Geochem ring to approx 150 mesh
294	10	Crush and split (0-10 pounds)
238	10	NITRIC-AQUA REGIA DIGESTION

* NOTE 1:

The 32 element ICP package is suitable for trace metals in soil and rock samples. Elements for which the nitric-aqua regia digestion is possibly incomplete are: Al, Ba, Be, Ca, Cr, Ga, K, La, Mg, Na, Sr, Ti, Tl, W.

ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
100	10	Au ppb: Fuse 10 g sample	FA-AAS	5	10000
922	10	Ag ppm: 32 element, soil & rock	ICP-AES	0.2	200
921	10	Al %: 32 element, soil & rock	ICP-AES	0.01	15.00
923	10	As ppm: 32 element, soil & rock	ICP-AES	5	10000
924	10	Ba ppm: 32 element, soil & rock	ICP-AES	10	10000
925	10	Be ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
926	10	Bi ppm: 32 element, soil & rock	ICP-AES	2	10000
927	10	Ca %: 32 element, soil & rock	ICP-AES	0.01	15.00
928	10	Cd ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
929	10	Co ppm: 32 element, soil & rock	ICP-AES	1	10000
930	10	Cr ppm: 32 element, soil & rock	ICP-AES	1	10000
931	10	Cu ppm: 32 element, soil & rock	ICP-AES	1	10000
932	10	Fe %: 32 element, soil & rock	ICP-AES	0.01	15.00
933	10	Ga ppm: 32 element, soil & rock	ICP-AES	10	10000
951	10	Hg ppm: 32 element, soil & rock	ICP-AES	1	10000
934	10	K %: 32 element, soil & rock	ICP-AES	0.01	10.00
935	10	La ppm: 32 element, soil & rock	ICP-AES	10	10000
936	10	Mg %: 32 element, soil & rock	ICP-AES	0.01	15.00
937	10	Mn ppm: 32 element, soil & rock	ICP-AES	5	10000
938	10	Mo ppm: 32 element, soil & rock	ICP-AES	1	10000
939	10	Na %: 32 element, soil & rock	ICP-AES	0.01	5.00
940	10	Ni ppm: 32 element, soil & rock	ICP-AES	1	10000
941	10	P ppm: 32 element, soil & rock	ICP-AES	10	10000
942	10	Pb ppm: 32 element, soil & rock	ICP-AES	2	10000
943	10	Sb ppm: 32 element, soil & rock	ICP-AES	5	10000
958	10	Sc ppm: 32 elements, soil & rock	ICP-AES	1	10000
944	10	Sr ppm: 32 element, soil & rock	ICP-AES	1	10000
945	10	Ti %: 32 element, soil & rock	ICP-AES	0.01	5.00
946	10	Tl ppm: 32 element, soil & rock	ICP-AES	10	10000
947	10	U ppm: 32 element, soil & rock	ICP-AES	10	10000
948	10	V ppm: 32 element, soil & rock	ICP-AES	1	10000
949	10	W ppm: 32 element, soil & rock	ICP-AES	10	10000
950	10	Zn ppm: 32 element, soil & rock	ICP-AES	2	10000



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
 212 Brooksbank Ave., North Vancouver
 British Columbia, Canada V7J 2C1
 PHONE: 604-984-0221

To: CROWN RESOURCE CORPORATION
 SEVENTEENTH STREET PLAZA
 1225 17TH ST., STE. 1500
 DENVER, COLORADO
 80202

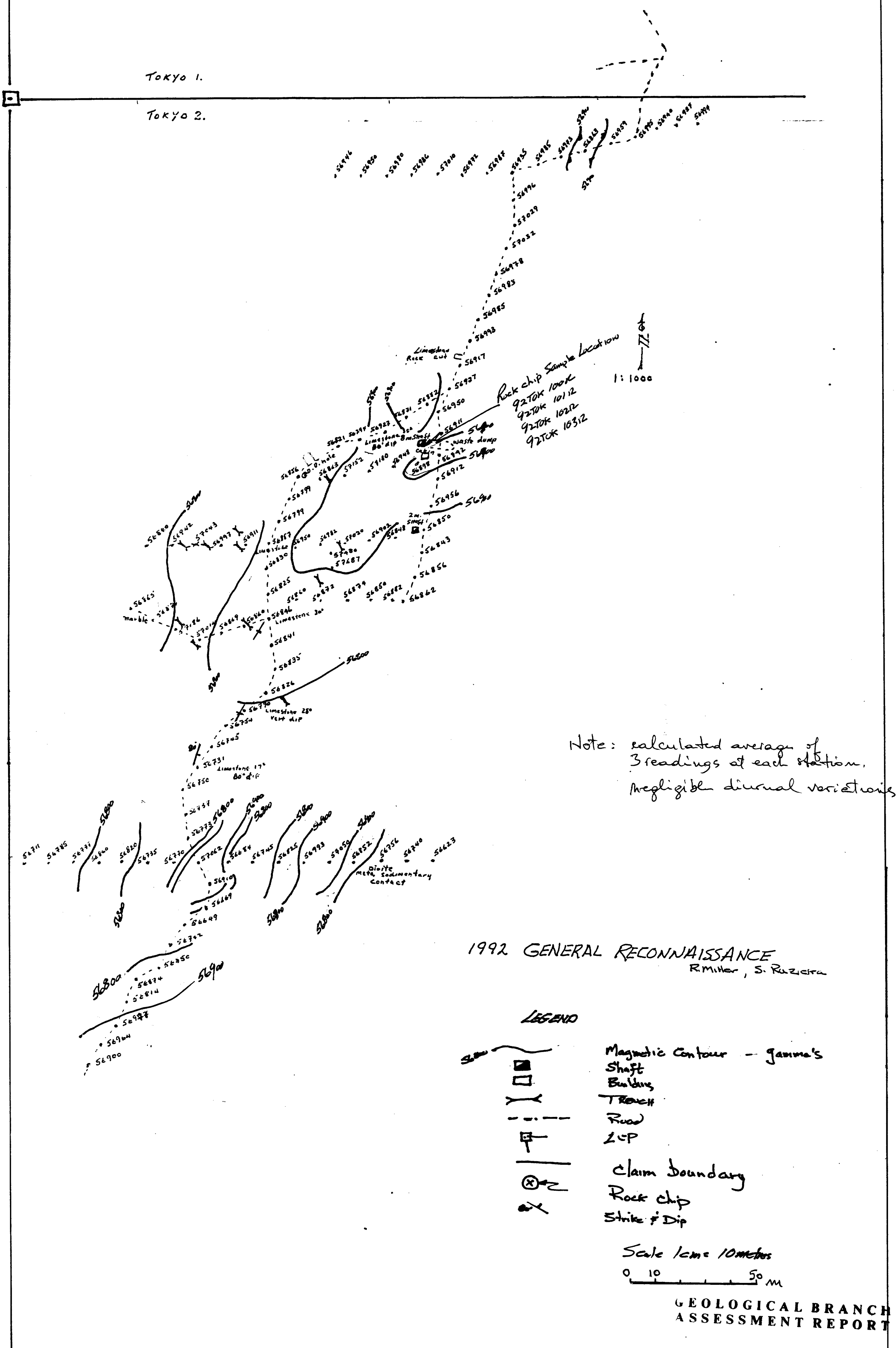
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 To : : 1
 Cell : : 1
 Date : 11-SEP-92
 Invoice No. : 19220950
 P.O. Number : 1893
 Account : JXX

Project : CAN RECON
 Comments: ATTN: C. HERALD R. MILLER CC: J. SHANNON CC: M. SAWIUK

CERTIFICATE OF ANALYSIS	A9220950
-------------------------	----------

SAMPLE	PREP CODE		Au ppb	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
	FA+AA																				
92-TOK-100R	205	274	195	4.4	1.06	296	20	< 0.5	18	2.82	29.5	150	22	409	>15.00	10	< 1	0.02	< 10	0.05	2210
92-TOK-101R	205	274	1070	25.4	1.55	22	90	< 0.5	40	10.95	71.5	74	49	>10000	10.05	< 10	2	< 0.01	< 10	0.63	2220
92-TOK-102R	205	274	825	38.0	2.13	106	60	< 0.5	74	12.75	45.0	146	43	1345	14.55	10	4	0.02	< 10	0.47	2950
92-TOK-103R	205	274	710	13.0	1.59	18	< 10	< 0.5	38	12.15	>100.0	82	50	8920	9.81	< 10	2	< 0.01	< 10	0.22	2020
92-RR-100R	205	274	170	1.2	0.17	< 2	< 10	< 0.5	40	0.20	< 0.5	864	33	>10000	>15.00	30	< 1	0.01	< 10	0.14	110
92-RR-101R	205	274	90	< 0.2	0.14	< 2	< 10	< 0.5	24	0.16	< 0.5	234	25	2360	>15.00	50	< 1	0.01	< 10	0.11	65
92-RR-102R	205	274	45	0.8	0.24	< 2	40	< 0.5	20	4.14	< 0.5	87	59	2160	>15.00	10	< 1	0.01	< 10	0.08	550

CERTIFICATION: Yhai D Ma



22,707

TOKYO #1 & TOKYO #2 CAMPS
 GREENWOOD MINING DISTRICT B.C.
 HERMAN HOHEN - OWNER GRANDBRKS. B.C.

FIG. #5

Field Work and Map Completion
 R. Miller and S. Ruzicka