

**Assessment Report on the 1995 Drill Program  
for the ED Claim  
Within the Siwash Creek Property  
Belonging to International Tower Hill Mines Ltd.**

Located in the Okanagan Area  
Similkameen Mining Division  
British Columbia

NTS 92H/16W  
Latitude 49°46'N  
Longitude 120°20'W

GEOLOGICAL SURVEY BRANCH ASSESSMENT REPORTS
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Prepared for  
R. M. W. Mine Evaluations Ltd.

Prepared by  
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Friesen Technical Services

March 18, 1996

**GEOLOGICAL BRANCH  
ASSESSMENT REPORT**

**24,294**

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## **INTRODUCTION**

The Siwash Creek property is located in the Okanagan region of southwestern British Columbia south of Highway 97C, midway between Merritt and Okanagan Lake (Fig. 1). The property is owned 100% by International Tower Hill Mines Ltd. and comprises 22 mineral claims (Fig. 2,3). Access to the property is via well maintained two wheel drive logging roads.

R. M. W. Mine Evaluations Ltd. was contracted by International Tower Hill Mines Ltd. to conduct a six hole percussion drill (down the hole hammer) program to test a copper-zinc-lead-gold-silver soil geochemistry anomaly within the ED Claim in the northeastern corner of the property. Friesen Technical Services was subsequently contracted by R. M. W. Mine Evaluations Ltd. to provide additional technical assistance to the program.

This report summarizes the results of the drill program for the purposes of recording assessment work towards the property. Much of the preamble to this report has been excerpted and compiled from a 1994 report prepared for International Tower Hill Mines Ltd. by Pamicon Developments Ltd. who had been contracted to conduct a detailed field program the year before.

## **PHYSIOGRAPHY**

The Siwash Creek property straddles the junction of Siwash and Galena Creeks (Fig. 3) and is situated on relatively gentle topography of the Thompson Plateau at elevations ranging from 1200 meters above sea level in the drilled area to about 1580 meters above sea level in the western end of the property. Thick accumulations of glacial till and sand and gravels are present on the property; however, average overburden thickness in the area drilled was only 1 meter.

The forest cover on the property consists mainly of pine with lesser spruce and fir. About one-third of the property has been clear cut logged; which includes the area drilled in this program.

The climate is moderate with temperatures ranging from extremes of  $-30^{\circ}\text{C}$  to  $+30^{\circ}\text{C}$ . Summers are warm and dry; winters are cool, with light to moderate snow fall. The snow free period runs from April to October.

## **HISTORY**

Exploration in the area has been intermittent since the discovery of placer gold and platinum in the Similkameen and Tulameen Rivers in the 1860's. Lode gold was discovered in the Hedley area in 1897; and the Copper Mountain deposits near Princeton were discovered in 1884. Placer mining was first reported in the Siwash Creek area near the turn of the Century and work has been intermittent ever since.

Five hundred feet of underground work on the Claremont Group of claims along Siwash Creek was recorded in the 1918 Ministry of Mines report. In 1927, several properties were explored in the area with underground work reported on the Mabel, Blue Stone, Argentite, and the E.J.A.-B.H.-H.J.B.-Owen, and the Renfrew (Snowstorm) groups (now the 3 Adit Gap area). A 27 ton shipment from the Renfrew claim is reported to have contained 3 opt gold, 3379 opt silver, and 1578 lbs lead. In 1951 and 1952, the Ministry reported underground work on the Lucky Strike Group (ex Snowstorm), and the present day Monty showing.

During the 1960's and 1970's the area was explored for porphyry copper deposits of which the Brenda copper-molybdenum discovery about 25 kilometers northwest of the Siwash Creek property is the most important. Production began in 1970. Brenda Mines Ltd. subsequently undertook extensive exploration in the property area; however, no economic mineralization was discovered.

More recently, there has been an emphasis on gold exploration in the area since the discovery of the Elk deposit by Fairfield Minerals Ltd. in 1986 -- about 6 kilometers due north of the Siwash Creek property.

International Tower Hill Mines Ltd. obtained the Siwash Creek property in 1988 and carried out exploration during the period 1988-1991. Work included soil and rock sampling, relogging and resampling Brenda Mines Ltd. drill core, geological mapping, petrographics, and prospecting. This culminated in a 1991 program of rehabilitation and re-sampling the adits at 3 Adit Gap and Fissure Maiden, additional soil sampling and prospecting. The best results obtained were 0.168 opt gold over 1.1 meters from 3 Adit Gap, and 0.163 opt gold over 0.15 meters from Fissure Maiden.

In 1992, International Tower Hill undertook a Landsat Imagery program over the property and delineated several fault structures and alteration zones.

In 1993, Pamicon Developments Ltd. was contracted by International Tower Hill Mines Ltd. to prepare grids and conduct soil, stream sediment and rock sampling programs over the property. Pamicon also conducted geological mapping and backhoe trenching in selected areas. Their work resulted in the location of numerous anomalies throughout the property, the most significant of which is an area of elevated gold, copper, zinc, lead, silver, arsenic and bismuth values in the northeastern portion of the property centered about the area 5000N/5400E. Pamicon's findings have been submitted to International Tower Hill Mines Ltd. in a comprehensive report.

In November 1995, R.M.W. Mine Evaluations Ltd. was contracted to conduct a percussion drill (down the hole hammer) program consisting of 6 holes totaling 378 meters to test the above mentioned geochem anomaly for the purpose of delineating a Brenda style porphyry copper type deposit.

**LIST OF CLAIMS (Fig. 3)**

<b>NAME</b>	<b>UNITS</b>	<b>RECORD NUMBER</b>	<b>EXPIRY DATE</b>
Ed	6	074	June 29, 2004
Ed 2	2	172	November 23, 2004
V.M. No. 1	1	445	October 5, 2004
V.M. No. 2	1	446	October 5, 2004
V.M. No. 3	1	447	October 5, 2004
V.M. No. 4	1	448	October 5, 2004
Peterson	1	8888	February 6, 2004
Fissure Maiden No. 2 FR.	1	171	November 22, 2004
B & D	12	3079	January 4, 2004
Jean 1	1	671	July 26, 2004
Jean 2	1	672	July 26, 2004
Lon 1	1	3594	October 3, 2004
Lon 2	1	3595	October 3, 2004
Lon 3	1	3596	October 3, 2004
Lon 4	1	3597	October 3, 2004
Lon 5	1	3598	October 3, 2004
Lon 6	1	3599	October 3, 2004
Lon 7	1	3600	October 3, 2004
Lon 8	1	3601	October 3, 2004
Lon 9	1	3602	October 3, 2004
Lon 10	1	3602	October 3, 2004
Lucky 1	1	321384	September 30, 2004

LIST OF CLAIMS (Fig. 3)

NAME	UNITS	RECORD #	EXPIRY DATE
Cush 1- 10	10	339364- 339373	Aug.14/96
Cush 11- 13	3	339374- 339376	Aug.30/96
Big Boy 1- 9	9	323027- 323035	Nov.10/2004
Blue 1- 6	6	322573- 322578	Nov.10/2004
Blue 7	1	330485	Aug.14/2005
Blue 8	1	330491	Aug.14/2005
Blue 9	1	339809	Aug.14/2005
Blue 10- 13	3	331198- 331201	Sept.15/2005
Blue 14- 29	16	331533- 331540	Sept.27/2005
Blue 30	1	332426	Aug. 30/96
Blue 31	1	332427	Aug. 30/96
Blue 34	1	339605	Aug30/96
Blue 35	1	339606	Aug.30/96
Blue 36	1	339607	Aug.30/96
Blue 37	1	339608	Aug.30/96
Bing 1	12	342516	Dec.14/96

## REGIONAL AND PROPERTY GEOLOGY (Fig. 2)

The area is situated near the eastern edge of the Intermontane Tectonic Belt, underlain by late Triassic to early Tertiary granitic to dioritic intrusives, emplaced into Triassic Nicola Group volcanics to the west and Upper Paleozoic Cache Creek Group sediments and volcanics to the east.

The eastern and western portions of the Siwash Creek property is underlain by quartz diorites of the Jurassic Pennask Batholith, which are intruded in the central portion of the property by quartz feldspar porphyry, quartz feldspar porphyry breccia, megacryst K-spar porphyry, biotite quartz feldspar porphyry, and quartz syenite belonging to the Otter Intrusives of Tertiary age. The Osprey Lake Batholith, a late Jurassic granite and granodiorite body, is found only in the southernmost portion of the property. Base and precious metal mineralization in the area is related to the Otter Intrusives; whereas porphyry copper deposits are related to the Pennask Batholith. The 1995 drill program tested an area underlain by Pennask rocks.

### 1995 DRILL PROGRAM (Fig. 4-7 incl.)

*See Pages 6B---6M For  
Cutting Logs. WJH*

Mobilization, drilling and demobilization took place during the period October 31 - November 6, 1996 under contract to Cascade Drilling of Kelowna, B. C. The drill rig was a 152mm (6") down the hole hammer drill. Six vertical holes were drilled at the following grid co-ordinates on the ED claim:

HOLE NO.	CO-ORDINATES	DIP	LENGTH
95-1	4900N 5500E	-90	60 meters
95-2	5000N 5500E	-90	60 meters
95-3	5000N 5400E	-90	60 meters
95-4	4900N 5400E	-90	60 meters
95-5	5000N 5300E	-90	60 meters
95-6	4900N 5300E	-90	78 meters
<b>TOTAL</b>			<b>378 meters</b>

One-quarter split cuttings and/or sludge samples representing 3.0 meter intervals were collected at the collar of each hole. When sulphides were visible, the entire sample was collected. Each sample was split equally into 3 parts labeled A, B, & C. All the "A" samples were sent to Chemex Labs Ltd. in North Vancouver for analysis. At Chemex, they were crushed and split down to 200 gram samples, pulverized and analyzed. All rejects were saved. As a general rule, a 32 element

ICP package analysis was initially performed on all samples with visible sulphides and every other sample which did not contain visible sulphides. Following receipt of sample analyses, several fill-in analyses were performed. Selected samples for gold analyses were also assayed, based on visual sulphide content, a base metal content of >1000 ppm, or a silver content of >10 ppm (see Fig. 6 and 7 - cross-sections).

The drill program took place entirely within a clear cut area; thus no trees were cut. Due to the existing access, little new access road work was required to get to the drill sites. Where required, however, they were rehabilitated by replacing the disturbed ground cover after the drill was removed. All ditching along the main access road that was disturbed by the drill program was also rehabilitated.

### **DISCUSSION OF DRILL RESULTS (Fig. 6, 7) AND CONCLUSIONS**

All six drill holes took place in an area which, according to the geological mapping should be underlain by quartz diorite of the Pennask Batholith. Drill cuttings would seem to support this occurrence, although numerous color changes, some volcanic looking intervals and gouge fault zones sometimes made rock type determination difficult.

The purpose of the drill program was to explore a multi element geochemical anomaly in the northeast corner of the Siwash Creek property (ED claim) for a possible Brenda type deposit. While no obvious copper - molybdenum association appears to exist in the area drilled, there are numerous anomalous base metal intervals in most of the holes--especially Holes 95-1, 2, 5, & 6. Because the Brenda deposit has peripheral base metal values associated with it (Ross Weeks, pers. comm.), it is still possible the area drilled lies on the periphery of a copper-molybdenum porphyry system.

An undetermined amount of follow-up HQ diamond drilling is therefore planned to test the northwest and southeast extensions of the drilled area to explore for such a system. The advantages of core drilling will include more reliable information on the rock type and quality, and nature and extent of mineralization and alteration types.

*R. G. Friesen*



R. G. Friesen, P. Geo.  
March 18, 1996



## SUMMARY OF EXPENDITURES

ITEM	COST
Cascade Drilling (incl. road building & reclamation)	\$38,170.82
Chemex Labs - assaying, sample preparation, etc.	\$1862.14
R.M. Weeks Mine Evaluation Ltd. Geological consulting	\$9166.25
<b>TOTAL</b>	<b>\$49199.21</b>

SEE PAGE 6A FOR  
GREATER DETAIL.  
*Ally*

SUMMARY OF EXPENDITURES  
PERCUSSION DRILLING AND SAMPLING

CASCADE DRILLING	378 M @ \$ 70.65 / M	26707.20
	MOBE AND DEMOBE, ACCESS AND RECLAMATION	<u>11463.62</u>
		\$ 38170.82

CHEMEX LABS	ASSAYING ( 1862.14 / 378 M = \$ 4.93 / M )	1862.14
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LABOUR AND SUPERVISION

R M W MINE EVALUATIONS SERVICES OF ROSS WEEKS	54 HOURS @ \$ 80.00 / HR	\$ 4320.00
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SHELLEY LOGAN GORDANIER 6.5 DAYS	@ \$ 350.00 / DAY	2275.00
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FRIESEN TECH SERVICES	REPORT WRITING	970.00
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	TOTAL LABOUR	7565.00
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EXPENSES R WEEKS		728.12
EXPENSES S L GORDANIER		801.03
EXPENSES FRIESEN TECH SERV.		72.10
	TOTAL EXPENSES	<u>1601.25</u>

TOTAL EXPENDITURE		\$ 49199.21
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THE PERCUSSION CUTTING LOGS FOLLOW AN PAGES 6 C TO 6N. WHEN THE SAMPLES WERE SPLIT AS MENTIONED ON PAGE 4 THE EVEN NUMBERED " A " SAMPLES WERE FORWARDED TO CHEMEX. IF VISUAL SULPHIDES WERE EVIDENT THEN THE INTERVENING " A " SAMPLES WERE ALSO SENT FOR THE 32 ELEMENT ICP PROGRAM. THE 49 SAMPLES SHOWING THE HIGHEST GRADES OF COPPER, SILVER OR OVERALL SULPHIDE CONTENT WAS ALSO ASSAYED FOR GOLD. FOR DETAILS ON THE METHOD USED BY CHEMEX LABS SEE THE APPENDIX. THE REMAINING "A, B AND C" SAMPLES ARE STORED IN PENTITION.

HOLE 95 - 1

GRID LOCATION: 4900N - 5500E

ELEVATION: 1410

CASING/OVERBURDEN DEPTH: 1.0 METERS

TOTAL DEPTH: 60.0 METERS

DATE STARTED: NOV 1, 1995

DATE COMPLETED: NOV 2, 1995

ELEVATION MEASURED RELATIVE TO HOLE 95-5

METERS	SAMPLE NUMBERS	REMARKS
-----	-----	-----
0.0 - 1.0		OVERBURDEN
1.0 - 9.0	95-1-1,2,3	GREY COLORED, WET SLURRY
9.0 - 12.0	95-1-4	VERY SLIGHT OXIDATION ON WATER SURFACE IN SAMPLE BUCKET; SAMPLE INCLUDES COARSE GRAINED ANGULAR FRAGMENTS
12.0 - 36.0	95-1-5,6,7,8,9,10,11,12	GREY COLORED, WET SLURRY
36.0 - 39.0	95-1-13	FINE GRAINED FELSIC INTRUSIVE? (DRILLERS SAY IT SEEMS TO BE HARDER DRILLING) SAMPLE COMPOSED OF COARSE GRAINED FRAGMENTS IN SOUPY LIQUID *HOLE IS MAKING WATER
39.0 - 45.0	95-1-14,15	VERY FINE GRAINED SLURRY, MINOR MEDIUM GRAINED FRAGMENTS THAT DON'T SETTLE OUT EASILY
45.0 - 48.0	95-1-16	GREY COLORED, SLIGHTLY THICKER SLURRY (DOESN'T SETTLE OUT)
48.0 - 54.0	95-1-17,18	SAMPLE COLOUR CHANGE TO MEDIUM GREY, FINE GRAINED SLURRY. FRAGMENTS APPEAR TO BE "GRANITOID" (MAFIC MINERALS MORE PREVALENT THAN FELSIC INTRUSIVE NOTED ABOVE) CLAY GOUGE MATERIAL INCLUDED (COHESIVE CHUNKS NOTED - POSSIBLE FAULT CONTACT?) SAMPLE #17 HAD 1/2 LIGHT GREY COLORED MATERIAL UP SECTION

54.0 - 57.0 95-1-19

COARSE-MEDIUM GRAINED  
FRAGMENTS OF PINK K-SPAR  
"GRANITIC"? INTRUSIVE.  
WET SAMPLE, BUT NOT USUAL  
SLURRY.(COULD POUR OFF EXCESS  
WATER LEAVING COARSE GRAVEL  
SIZED FRAGMENTS)

57.0 - 60.0 95-1-20

MEDIUM GREY, FINE GRAINED  
SLURRY. NO RECOGNIZABLE LITHIC  
FRAGMENTS

E.O.H

HOLE 95 -2

GRID LOCATION: 5000N - 5500E ELEVATION: 1423

CASING/OVERBURDEN DEPTH: 0.15 METERS TOTAL DEPTH: 60.0 METERS

DATE STARTED: NOV 2, 1995 DATE COMPLETED: NOV 3, 1995

ELEVATION MEASURED RELATIVE TO HOLE 95-5

METERS	SAMPLE NUMBERS	REMARKS
0.0 - 0.15		OVERBURDEN
0.15 - 12.0	95-2-1,2,3,4	SIMILAR DRY SAMPLES; COARSE GRAINED, GREY-GREEN FRAGMENTS (POSSIBLE INTERMEDIATE VOLCANIC OR RELATED FINE GRAINED INTRUSIVE)
12.0 - 15.0	95-2-5	FRAGMENTS HAVE CHANGED COLOUR TO SLIGHT REDDISH TINGE (OXIDATION) * HIT MINOR WATER AT 13.5 METERS (FAULT?)
15.0 - 21.0	95-2-6,7	GREY, COARSE GRAINED FRAGMENTS; DRY SAMPLE LOOKS LIKE LITHOLOGY AT 95-1 THAT PRODUCED THE GREY SLURRY?
21.0 - 24.0	95-2-8	SAME AS #6,7 ABOVE. FRAGMENT SIZE DECREASES TO FINE POWDER * SOME GREY/YELLOW CLAY GOUGE FRAGMENTS NOTED AT APPROXIMATELY 22.5 TO 24.0 METERS
24.0 - 27.0	95-2-9	GREY POWDERY MATERIAL WITH MINOR COARSE-MEDIUM GRAINED FRAGMENTS. GREY/YELLOW GOUGE NOTED AS ABOVE
27.0 - 30.0	95-2-10	WET, GREY COLORED BRECCIA/GOUGE GRADES BACK INTO SAME GREY POWDER WITH MINOR COARSE TO MEDIUM GRAINED FRAGMENTS, AS ABOVE. GREY/YELLOW GOUGE PRESENT AT

30.0 - 42.0	95-2-11,12,13,14	GREY, POWDERY MATERIAL AS BEFORE, INCLUDES VERY MINOR FINE TO MEDIUM GRAINED LITHIC FRAGMENTS
42.0 - 48.0	95-2-15,16	GREY, POWDERY MATERIAL CHANGES TO DARK GREY POWDERY MATERIAL. LITHOLOGY CHANGE IS MARKED BY GRAPHITE LAYER AT ~45 METERS
48.0 - 51.0	95-2-17	MEDIUM TO COARSE GRAINED FRAGMENTS OF MAFIC CRYSTALLINE ROCK (DIABASE DIKE?)
51.0 - 57.0	95-2-18,19	AS ABOVE TO ~53 METERS. LITHOLOGY CHANGES TO SLIGHTLY "REDDISH" GREY, FINE POWDERY MATERIAL GRADING BACK INTO THE COMMON GREY POWDERY MATERIAL WITH MINOR LITHIC FRAGMENTS. FROM ~56.0-57.0 METERS A RED OXIDIZED POWDERY MATERIAL WAS ENCOUNTERED
57.0 - 60.0	95-2-20	GREY POWDERY MATERIAL

E.O.H.

HOLE 95-3

GRID LOCATION: 5000N - 5400E

ELEVATION: 1417

CASING/OVERBURDEN DEPTH: 3.0 METERS

TOTAL DEPTH: 60.0 METERS

DATE STARTED: NOV 3,1995

DATE COMPLETED:NOV 3,1995

ELEVATION MEASURED RELATIVE TO HOLE 95-5

METERS	SAMPLE NUMBERS	REMARKS
-----	-----	-----
0.0 - 3.0		OVERBURDEN
3.0 - 9.0	95-3-1,2	PINK, POWDERY MATERIAL WITH MINOR MEDIUM TO COARSE GRAINED FRAGMENTS (GRANITE?)
9.0 - 12.0	95-3-3	GREY, POWDERY MATERIAL WITH MEDIUM TO COARSE GRAINED LITHIC FRAGMENTS
12.0 - 36.0	95-3-4,5,6,7,8 9,10,11,12	SAME GREY, POWDERY MATERIAL WITH MEDIUM TO COARSE GRAINED FRAGMENTS (POSSIBLY GRANITIC IN COMPOSITION). MINOR LITTLE STREAKS OF DARKER GREY, FINE GRAINED MATERIAL INCORPORATED (CAN'T TELL IF IT IS SULPHIDE OR FRACTURE COATING)
36.0 - 39.0	95-3-13	VERY MINOR FINE GRAINED UNIDENTIFIED SULPHIDE FRAGMENTS OBSERVED IN SAME MATERIAL ENCOUNTERED ABOVE
39.0 - 60.0	95-3-14,15,16,17	GREY, FINE GRAINED POWDERY MATERIAL WITH VARYING AMOUNTS OF MEDIUM TO COARSE GRAINED LITHIC FRAGMENTS INCORPORATED DOWN SECTION. NO VISIBLE SULPHIDES. CONSISTENT COLOUR TO END OF HOLE

E.O.H.

HOLE 95 -4

GRID LOCATION: 5400E / 4900N

ELEVATION: 1410

CASING/OVERBURDEN DEPTH: 1.0 METER

TOTAL DEPTH: 60.0 METERS

DATE STARTED: NOV 3,1995

DATE COMPLETED:NOV 4,1995

ELEVATION MEASURED RELATIVE TO HOLE 95-5

METERS	SAMPLE NUMBERS	REMARKS
0.0 - 1.0		OVERBURDEN
1.0 - 6.0	95-4-1,2	REDDISH GREY/BUFF COLORED, POWDERY MATERIAL
6.0 -12.0	95-4-3,4	REDDISH GREY/BUFF COLORED, FINE SLURRY. (SAME AS ABOVE WITH ADDITION OF WATER NEEDED FOR DRILLING)
12.0 - 15.0	95-4-5	REDDISH GREY/BUFF COLORED, FINE SLURRY. AT ~13.0 METERS LIGHT GREY POWDERY MATERIAL INTERSECTED.AT ~14.0 METERS ABUNDANT COARSE GRAINED LITHIC FRAGMENTS (GRANITIC?) BECOME INCORPORATED IN THE GREY POWDERY MATERIAL
15.0 - 21.0	95-4-6,7	SAME GREY POWDERY MATERIAL AND COARSE GRAINED LITHIC FRAGMENTS NOTED ABOVE
21.0 - 24.0	95-4-8	SAME GREY MATERIAL ABOVE. MEDIUM GRAINED SULPHIDE FRAGMENTS OBSERVED
24.0 - 27.0	95-4-9	SAME GREY COLORED, FINE POWDERY MATERIAL WITH LESS OF A LITHIC FRAGMENT COMPONENT,MINOR DARK GREY CLAY GOUGE. NO SULPHIDES OBSERVED
27.0 - 30.0	95-4-10	LITHOLOGY CHANGE OR DRILLING PHENOMENON PRODUCES MORE COARSE GRAINED MATERIAL. DIORITIC/GRANITIC LITHIC FRAGMENTS. WET SAMPLE, NO SLURRY



30.0 - 36.0	95-4-11,12	WET SAMPLES, SAME AS ABOVE. NO VISIBLE SULPHIDES
36.0 - 39.0	95-4-13	DRY SAMPLE. DARKER GREY, POWDERY MATERIAL WITH SOME COARSE GRAINED, OXIDIZED, SLIGHTLY REDDISH LITHIC FRAGMENTS
39.0 - 45.0	95-4-14,15	DARKER GREY/BLACK, FINE POWDERY MATERIAL INCLUDING MAGNETITE (IDENTIFIED ONLY WITH MAGNET). NO OTHER SULPHIDES OBSERVED
45.0 - 48.0	95-4-16	DARK GREY POWDERY MATERIAL *ENTIRE SECTION WAS COLLECTED AS SAMPLE BECAUSE OF SULPHIDE IDENTIFICATION UP HOLE.
48.0 - 51.0	95-4-17	COLOUR CHANGE TO BUFF/DARK GREY, FINE "SANDY" MATERIAL. MINOR REDDISH OXIDE WISPS OBSERVED
51.0 - 57.0	95-4-18,19	MEDIUM DARK GREY POWDERY/SANDY MATERIAL WITHOUT ANY APPRECIABLE MAGNETITE (BUT YOU CAN STILL ATTRACT THE ODD FINE FRAGMENT WITH A MAGNET)
57.0 - 60.0	95-4-20	SAME AS ABOVE UNTIL THE LAST PART OF THE HOLE WHEN REDDISH HEMATIZED POWDER WAS OBSERVED INTERMIXED OCCASIONALLY. SLIGHTLY LIGHTER GREY POWDERY MATERIAL WAS INTERSECTED AT THE VERY END OF THE HOLE

E.O.H.

HOLE 95 - 5

GRID LOCATION: 5000N - 5300E

ELEVATION: 1385

CASING/OVERBURDEN DEPTH: 2.0 METERS

TOTAL DEPTH: 60.0 METERS

DATE STARTED: NOV 4,1995

DATE COMPLETED:NOV 5,1995

\* FOOTAGE MEASURED FROM GROUND LEVEL

ELEVATION REFERENCE POINT TAKEN FROM PLAN 7 CU SOIL GRID

METERS	SAMPLE NUMBERS	REMARKS
0.0 - 2.0		OVERBURDEN
2.0 - 3.0	95-5-1	BROWN COLORED POWDERY MATERIAL WITH SOME MEDIUM TO COARSE GRAINED FRAGMENTS
3.0 - 15.0	95-5-2,3,4,5	TOP OF INTERSECTION INCLUDES MINOR AMOUNT OF SAME MATERIAL ENCOUNTERED ABOVE. REMAINDER OF SAMPLED MATERIAL IS MEDIUM GREY COLORED POWDER WITH MEDIUM AND COARSE GRAINED FRAGMENTS
15.0 - 18.0	95-5-6	SAME MEDIUM GREY POWDERY MATERIAL TAKES ON A SLIGHTLY GREENISH TINGE. SOME REDDISH, OXIDIZED POWDERY MATERIAL IS OCCASIONALLY INCLUDED AS WISPY "LENSES"
18.0 - 24.0	95-5-7,8	APPEARS TO BE THE SAME MATERIAL AS IN SAMPLE ABOVE WITH LESS OF THE OXIDIZED "LENSES"
24.0 - 39.0	95-5-9,10,11,12,13	SLIGHTLY GREENISH, MEDIUM GREY POWDERY MATERIAL WITH COARSE GRAINED FRAGMENTS OF CHLORITIZED GRANODIORITE? OR QUARTZ FELDSPAR PORPHYRY?
39.0 - 42.0	95-5-14	SAME UNIT AS ABOVE SEVERAL COARSE GRAINED FRAGMENTS OF SULPHIDE (ARSENOPYRITE?) OBSERVED
42.0 - 45.0	95-5-15	SAME UNIT INTERSECTED ABOVE, WITHOUT ANY RECOGNIZABLE SULPHIDES

45.0 - 48.0	95-5-16	SAME MATERIAL AS ABOVE. ENTIRE RUN SAMPLED, NO SULPHIDES OBSERVED
48.0 - 54.0	95-5-17,18	SAMPLE IS MOSTLY SLURRY WITH COARSE GRAINED GRANITIC (WITH MAFIC MINERALS AND K-SPAR) FRAGMENTS SETTLING OUT * HIT WATER AND "HARDER" ROCK AT ~ 52.5 METERS (FRACTURE/FAULT?)
54.0 - 57.0	95-5-19	UPPER PART OF SAMPLE AS BEFORE. AT ~55.5 METERS LITHOLOGY CHANGES TO A FINE GRAINED, GREENISH INTRUSIVE DIKE? OR VOLCANIC UNIT.VERY THIN INTERCALATED BLACK BANDS WERE OBSERVED IN WASHED SAMPLE. NO VISIBLE SULPHIDES
57.0 - 60.0	95-5-20	AS BEFORE, GRADING INTO MEDIUM GREY POWDERY MATERIAL WITH SOME MEDIUM TO COARSE GRAINED LITHIC FRAGMENTS TO END OF HOLE.

E.O.H.

HOLE 95 -6

GRID LOCATION: 4900N - 5300E

ELEVATION: 1391

CASING/OVERBURDEN DEPTH: 1.0 METER

TOTAL DEPTH: 78.0 METERS

DATE STARTED: NOV 5,1995

DATE COMPLETED:NOV 6,1995

ELEVATION MEASURED RELATIVE TO HOLE 95-5

METERS	SAMPLE NUMBERS	REMARKS
0.0 - 1.0		OVERBURDEN
1.0 - 3.0	95-6-1	"OXIDIZED" REDDISH/BROWN POWDERY MATERIAL WITH MINOR MEDIUM TO COARSE GRAINED LITHIC FRAGMENTS
3.0 - 6.0	95-6-2	SMALL AMOUNT OF REDDISH/BROWN POWDERY MATERIAL, AS ABOVE, IS SEPARATED FROM GREY (WET CEMENT COLORED), COARSE GRAINED FRAGMENTS CONTAINED IN SLURRY, BY A THIN GREY BAND OF POWDERY MATERIAL. BIOTITE FLAKES WERE OBSERVED FLOATING ON THE SAMPLE *HIT WATER AT ~4.5 METERS
6.0 - 18.0	95-6-3,4,5,6	WET SAMPLES OF MEDIUM TO COARSE GRAINED LITHIC FRAGMENTS AND MINOR SLURRY. THE OVERALL SAMPLE COLOUR IS THAT OF WET CEMENT *HIT WATER AT ~11 METERS
18.0 - 30.0	95-6-7,8,9,10	AS ABOVE UNTIL ~19.5 METERS WHEN THE DRILLERS REPORTED SUBSTANTIAL INCREASE IN UNIT HARDNESS. SAMPLE HAS WATER BUT NO SLURRY. DARK GREY/BLACK, MEDIUM GRAINED LITHIC FRAGMENTS. K-SPAR NOTED, NO SULPHIDES VISIBLE *HIT WATER AT ~22.5 METERS

30.0 - 33.0	95-6-11	SAME UNIT AS ABOVE WITH COARSE GRAINED LITHIC FRAGMENTS. NO VISIBLE SULPHIDES
33.0 - 36.0	95-6-12	SAME UNIT AS ABOVE * COARSE GRAINED FRAGMENTS OF SULPHIDE VISIBLE THROUGHOUT
36.0 - 39.0	95-6-13	AS BEFORE, WITH SLIGHTLY MORE SLURRY ON TOP OF SAMPLE BUCKET AND LITHIC FRAGMENT SIZE DECREASED TO MEDIUM GRAINED
39.0 - 42.0	95-6-14	MINOR PERCENTAGE OF ABOVE UNIT GRADES INTO MEDIUM GREY SLURRY WITH DEPTH. LITHOLOGY CHANGE *ENTIRE RUN WAS COLLECTED AS SAMPLE BECAUSE OF SULPHIDE IDENTIFIED UP HOLE.
42.0 - 51.0	95-6-15,16,17	MEDIUM GREY COLORED SLURRY WITH FINE GRAINED MATERIAL INCORPORATED
51.0 - 54.0	95-6-18	LITHOLOGY CHANGED BACK TO UNIT AS DESCRIBED IN SAMPLE 7 WITH COARSE GRAINED LITHIC FRAGMENTS INCORPORATED IN A SMALL AMOUNT OF MEDIUM GREY SLURRY. SULPHIDES OBSERVED (ARSENOPYRITE?)
54.0 - 57.0	95-6-19	FINE GRAINED, GREY MATERIAL WITH MINOR AMOUNTS OF FINE GRAINED SULPHIDE OBSERVED *ENTIRE RUN WAS SAMPLED BECAUSE OF SULPHIDES OBSERVED UP HOLE
57.0 - 60.0	95-6-20	GREY SLURRY, WITH NO RECOGNIZABLE SULPHIDES; CHANGES BACK TO UNIT DESCRIBED IN SAMPLE 7 AT ~59.7 METERS
60.0 - 63.0	95-6-21	AS ABOVE, DARK GREY/BLACK, MEDIUM GRAINED LITHIC FRAGMENTS WITH SMALL AMOUNT OF SLURRY. SULPHIDES OBSERVED

63.0 - 69.0	95-6-22	UNIT AS DESCRIBED ABOVE. (SAMPLE WAS NOT SPLIT MID ROD, MAKING THIS A "DOUBLE" SAMPLE AND INCLUDES SAMPLE 23 INADVERTENTLY)
69.0 - 72.0	95-6-24	UNIT AS DESCRIBED ABOVE
72.0 - 78.0	95-6-25,26	GREY COLORED SLURRY WITH FINE GRAINED LITHIC FRAGMENTS SUCH AS ENCOUNTERED IN SAMPLE 18. FINE GRAINED SULPHIDES ARE OBSERVED

\*HOLE 95-6 PRODUCED A TOTAL OF ONE GALLON/MINUTE, BUT DOES NOT  
FLOW FROM HOLE.

E.O.H.

## **CERTIFICATE**

I, ROBERT GEORGE FRIESEN, of 455 Laurier Drive, Kamloops, B.C., do hereby certify that:

I am a Consulting Geologist, registered with the Association of Professional Engineers and Geoscientists of British Columbia since 1993.

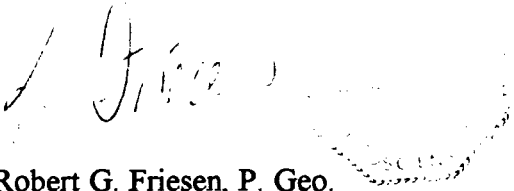
I am a graduate of the University of British Columbia - B.Sc. (Geology Major), 1967.

I have practiced my profession in eastern and western Canada, Australia, and Fiji for almost 29 years.

The foregoing report on the Siwash Creek property is based on the assay results of the percussion drill program, personal communication from Mr. R.M. Weeks, P. Eng., who supervised the program, and a review of the 1994 in-house report on the property for International Tower Hill Mines Ltd. by Pamicon Developments Ltd. All data, including program costs were received from Mr. Weeks and reviewed with him.

I hold no interest, directly or indirectly, in the mineral claims comprising the Siwash Creek property, or in International Tower Hill Mines Ltd.; nor do I expect to receive any such interest.

Permission is hereby granted to use the foregoing report in support of a filing for Assessment work towards the property.



Robert G. Friesen, P. Geo.  
Kamloops, B.C.  
March 18, 1996.

## **BIBLIOGRAPHY**

Pamicon Developments Ltd., Geological, Geochemical and Trenching Report on the Siwash Creek Property, January 1994.

Weeks, R. M., P. Eng., personal communication.



APPENDIX



# Chemex Labs Ltd.

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

o: INTERNATIONAL TOWER HILL MINES  
C/O ROSS WEEKS  
1625 SMITHSON PL.,  
KELOWNA, BC  
V1Y 8N5

**INVOICE NUMBER**

**I 9 5 3 3 4 9 8**

### BILLING INFORMATION

Date: 20-NOV-95  
Project:  
P.O. No.:  
Account: NGB

Comments:

Billing: For analysis performed on  
Certificate A9533498

Terms: Payment due on receipt of invoice  
1.25% per month (15% per annum)  
charged on overdue accounts

Please Remit Payments to:

**CHEMEX LABS LTD.**  
212 Brooksbank Ave.,  
North Vancouver, B.C.  
Canada V7J 2C1

# OF SAMPLES	ANALYSED FOR CODE - DESCRIPTION	UNIT PRICE	SAMPLE PRICE	AMOUNT
75	205 - Geochem ring to approx 150 mesh	2.50		
	226 - 0-3 Kg crush and split	2.60		
	3202 - Rock - save entire reject	0.50		
	220 - Transferring charge	0.85		
	222 - Drying charge (0-3 Kg)	0.50		
	ICP-32	7.00	13.95	1046.25
1	205 - Geochem ring to approx 150 mesh	2.50		
	226 - 0-3 Kg crush and split	2.60		
	3202 - Rock - save entire reject	0.50		
	220 - Transferring charge	0.85		
	222 - Drying charge (0-3 Kg)	0.50		
	229 - ICP - AQ Digestion charge	7.00	13.95	13.95

Total Cost \$ 1060.20  
(Reg# R100938885 ) GST \$ 74.21

**TOTAL PAYABLE (CDN) \$ 1134.41**

*1000 PPM = .10 %  
100 PPM = .01 %  
Paid Cheque # 6  
Nov 28/95*



# Chemex Labs Ltd.

Analytical Chemists \* Geochemists \* Registered Assayers

212 Brooksbank Ave., North Vancouver  
British Columbia, Canada V7J 2C1  
PHONE: 604-984-0221 FAX: 604-984-0218

To: INTERNATIONAL TOWER HILL MINES  
C/O ROSS WEEKS  
1625 SMITHSON PL.,  
KELOWNA, BC  
V1Y 8N5

A9533498

Comments: ATTN: ROSS WEEKS CC: NORM BONIN

**CERTIFICATE**

**A9533498**

(NGB) - INTERNATIONAL TOWER HILL MINES

Project:  
P.O. #:

Samples submitted to our lab in Vancouver, BC.  
This report was printed on 19-NOV-95.

## SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
205	76	Geochem ring to approx 150 mesh
226	76	0-3 Kg crush and split
3202	76	Rock - save entire reject
220	76	Transferring charge
222	76	Drying charge (0-3 Kg)
229	76	ICP - AQ Digestion charge

\* 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
2118	75	Ag ppm: 32 element, soil & rock	ICP-AES	0.2	200
2119	75	Al %: 32 element, soil & rock	ICP-AES	0.01	15.00
2120	75	As ppm: 32 element, soil & rock	ICP-AES	2	10000
2121	75	Ba ppm: 32 element, soil & rock	ICP-AES	10	10000
2122	75	Be ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
2123	75	Bi ppm: 32 element, soil & rock	ICP-AES	2	10000
2124	75	Ca %: 32 element, soil & rock	ICP-AES	0.01	15.00
2125	75	Cd ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
2126	75	Co ppm: 32 element, soil & rock	ICP-AES	1	10000
2127	75	Cr ppm: 32 element, soil & rock	ICP-AES	1	10000
2128	75	Cu ppm: 32 element, soil & rock	ICP-AES	1	10000
2150	75	Fe %: 32 element, soil & rock	ICP-AES	0.01	15.00
2130	75	Ga ppm: 32 element, soil & rock	ICP-AES	10	10000
2131	75	Hg ppm: 32 element, soil & rock	ICP-AES	1	10000
2132	75	K %: 32 element, soil & rock	ICP-AES	0.01	10.00
2151	75	La ppm: 32 element, soil & rock	ICP-AES	10	10000
2134	75	Mg %: 32 element, soil & rock	ICP-AES	0.01	15.00
2135	75	Mn ppm: 32 element, soil & rock	ICP-AES	5	10000
2136	75	Mo ppm: 32 element, soil & rock	ICP-AES	1	10000
2137	75	Na %: 32 element, soil & rock	ICP-AES	0.01	5.00
2138	75	Ni ppm: 32 element, soil & rock	ICP-AES	1	10000
2139	75	P ppm: 32 element, soil & rock	ICP-AES	10	10000
2140	75	Pb ppm: 32 element, soil & rock	ICP-AES	2	10000
2141	75	Sb ppm: 32 element, soil & rock	ICP-AES	2	10000
2142	75	Sc ppm: 32 elements, soil & rock	ICP-AES	1	10000
2143	75	Sr ppm: 32 element, soil & rock	ICP-AES	1	10000
2144	75	Ti %: 32 element, soil & rock	ICP-AES	0.01	5.00
2145	75	Tl ppm: 32 element, soil & rock	ICP-AES	10	10000
2146	75	U ppm: 32 element, soil & rock	ICP-AES	10	10000
2147	75	V ppm: 32 element, soil & rock	ICP-AES	1	10000
2148	75	W ppm: 32 element, soil & rock	ICP-AES	10	10000
2149	75	Zn ppm: 32 element, soil & rock	ICP-AES	2	10000





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 British Columbia, Canada V7J 2C1  
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To: INTERNATIONAL TOWER HILL MINES  
 C/O ROSS WEEKS  
 1625 SMITHSON PL.,  
 KELOWNA, BC  
 V1Y 8N5

\*\*

Page Number : 1-B  
 Total Pages : 2  
 Certificate Date: 19-NOV-95  
 Invoice No. : 19533498  
 P.O. Number :  
 Account : NGB

Project:  
 Comments: ATTN: ROSS WEEKS CC: NORM BONIN

## CERTIFICATE OF ANALYSIS

A9533498

SAMPLE	PREP CODE	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
95-1-02 A	205 226	0.04	7	1070	70	< 2	8	49	0.01	< 10	< 10	84	< 10	614
95-1-04 A	205 226	0.06	8	1070	54	< 2	9	24	0.02	< 10	< 10	96	< 10	532
95-1-06 A	205 226	0.04	8	990	52	< 2	7	28	0.01	< 10	< 10	78	< 10	482
95-1-08 A	205 226	0.02	8	920	66	< 2	6	31	< 0.01	< 10	< 10	62	< 10	696
95-1-10 A	205 226	0.02	7	790	102	< 2	4	39	< 0.01	< 10	< 10	46	< 10	574
95-1-12 A	205 226	0.05	8	810	266	< 2	6	171	< 0.01	< 10	< 10	53	< 10	2380
95-1-14 A	205 226	0.06	1	1000	8	< 2	1	335	< 0.01	< 10	< 10	24	< 10	64
95-1-16 A	205 226	0.06	1	890	10	< 2	1	331	< 0.01	< 10	< 10	22	< 10	58
95-1-18 A	205 226	0.03	6	820	184	< 2	3	148	0.01	< 10	< 10	35	< 10	796
95-1-20 A	205 226	0.08	6	810	76	< 2	5	78	< 0.01	< 10	< 10	51	< 10	546
95-2-02 A	205 226	0.09	81	1270	24	< 2	7	91	0.12	< 10	< 10	92	< 10	122
95-2-04 A	205 226	0.11	34	1450	36	< 2	10	60	0.24	< 10	< 10	185	< 10	256
95-2-06 A	205 226	0.04	82	1470	110	< 2	15	163	0.11	< 10	< 10	128	< 10	872
95-2-08 A	205 226	0.07	3	910	22	< 2	1	299	< 0.01	< 10	< 10	30	< 10	78
95-2-10 A	205 226	0.04	3	700	14	< 2	1	310	< 0.01	< 10	< 10	21	< 10	60
95-2-12 A	205 226	0.11	3	600	8	< 2	< 1	385	< 0.01	< 10	< 10	17	< 10	38
95-2-14 A	205 226	0.06	2	660	6	< 2	< 1	378	< 0.01	< 10	< 10	18	< 10	42
95-2-15 A	205 226	0.07	15	1110	42	< 2	3	398	< 0.01	< 10	< 10	44	< 10	286
95-2-16 A	205 226	0.09	110	1240	78	< 2	19	656	0.06	< 10	< 10	168	< 10	680
95-2-18 A	205 226	0.10	92	770	290	< 2	16	225	0.06	< 10	< 10	123	< 10	606
95-2-20 A	205 226	0.02	46	1440	312	< 2	8	125	0.01	< 10	< 10	80	< 10	1710
95-3-02 A	205 226	0.09	8	240	22	< 2	1	27	< 0.01	< 10	< 10	10	< 10	340
95-3-04 A	205 226	0.07	4	250	12	< 2	1	41	< 0.01	< 10	< 10	9	< 10	214
95-3-06 A	205 226	0.11	3	200	6	< 2	1	33	< 0.01	< 10	< 10	8	< 10	58
95-3-08 A	205 226	0.06	2	240	12	< 2	1	30	< 0.01	< 10	< 10	8	< 10	116
95-3-10 A	205 226	0.07	3	140	46	< 2	< 1	31	< 0.01	< 10	< 10	4	< 10	218
95-3-12 A	205 226	0.08	2	140	6	< 2	< 1	31	< 0.01	< 10	< 10	4	< 10	60
95-3-13 A	205 226	0.07	2	50	48	< 2	< 1	31	< 0.01	< 10	< 10	1	< 10	130
95-3-14 A	205 226	0.06	2	100	24	< 2	< 1	44	< 0.01	< 10	< 10	1	< 10	184
95-3-16 A	205 226	0.08	2	160	10	< 2	< 1	48	< 0.01	< 10	< 10	3	< 10	94
95-3-18 A	205 226	0.05	2	370	14	< 2	1	33	< 0.01	< 10	< 10	12	< 10	212
95-3-20 A	205 226	0.08	3	260	8	< 2	1	29	< 0.01	< 10	< 10	10	< 10	168
95-4-02 A	205 226	0.04	2	590	12	< 2	< 1	94	< 0.01	< 10	< 10	14	< 10	110
95-4-04 A	205 226	0.02	1	610	8	< 2	< 1	182	< 0.01	< 10	< 10	14	< 10	54
95-4-06 A	205 226	0.01	6	940	30	< 2	4	74	0.01	< 10	< 10	66	< 10	334
95-4-08 A	205 226	0.01	9	790	564	< 2	3	112	< 0.01	< 10	< 10	33	< 10	1380
95-4-10 A	205 226	0.01	8	630	52	< 2	2	70	< 0.01	< 10	< 10	28	< 10	910
95-4-12 A	205 226	0.01	7	890	36	< 2	3	99	0.01	< 10	< 10	48	< 10	476
95-4-14 A	205 226	0.01	6	980	22	< 2	3	132	< 0.01	< 10	< 10	51	< 10	402
95-4-14 C	205 226	0.01	6	990	22	< 2	4	132	0.01	< 10	< 10	60	< 10	398

CERTIFICATION: \_\_\_\_\_



# Chemex Labs Ltd.

Analytical Chemists \* Geochemists \* Registered Assayers

212 Brooksbank Ave., North Vancouver  
 British Columbia, Canada V7J 2C1  
 PHONE: 604-984-0221 FAX: 604-984-0218

*103*  
*32 yr*

To: INTERNATIONAL TOWER HILL MINES  
 C/O ROSS WEEKS  
 1625 SMITHSON PL.,  
 KELOWNA, BC  
 V1Y 8N5

Page Number :2-A  
 Total Pages :2  
 Certificate Date: 19-NOV-95  
 Invoice No. :I9533498  
 P.O. Number :  
 Account :NGB

Project :  
 Comments: ATTN: ROSS WEEKS CC: NORM BONIN

## CERTIFICATE OF ANALYSIS A9533498

SAMPLE	PREP CODE		Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	K	La	Mg	Mn	Mo	
			ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	%	ppm	ppm
95-4-15 A ✓	205	226	< 0.2	1.58	4	60	0.5	< 2	0.79	1.5	7	44	89	5.84	< 10	< 1	0.40	10	0.80	3950	1	
95-4-16 A ✓	205	226	0.8	2.02	< 2	110	0.5	48	0.99	< 0.5	9	48	264	6.18	< 10	< 1	0.41	10	1.21	1455	1	
95-4-18 A ✓	205	226	0.2	1.36	< 2	40	< 0.5	2	0.28	< 0.5	4	62	621	4.41	< 10	< 1	0.24	10	0.80	735	2	
95-4-20 A ✓	205	226	3.6	1.48	< 2	70	< 0.5	2	0.40	4.0	7	31	230	6.65	< 10	2	0.40	10	0.77	4800	7	
95-4-20 B ✓	205	226	3.6	1.54	< 2	80	< 0.5	2	0.38	4.0	7	41	207	6.23	< 10	< 1	0.40	10	0.79	4010	5	
95-5-02 A ✓	205	226	1.4	2.09	22	210	0.5	4	0.71	1.5	11	31	693	8.03	10	< 1	0.26	< 10	1.45	2640	1	
95-5-04 A ✓	205	226	0.4	0.90	18	160	0.5	< 2	0.41	1.0	9	42	260	4.27	< 10	1	0.23	< 10	0.66	1415	4	
95-5-06 A ✓	205	226	0.2	1.69	< 2	30	< 0.5	2	0.69	< 0.5	8	38	533	5.69	10	1	0.19	10	1.31	1065	2	
95-5-08 A ✓	205	226	1.2	1.75	2	200	0.5	8	0.60	1.5	8	41	336	5.99	< 10	< 1	0.25	10	1.28	1510	2	
95-5-10 A ✓	205	226	0.2	1.66	< 2	70	< 0.5	4	0.81	< 0.5	8	49	240	4.63	10	< 1	0.18	10	1.25	635	2	
95-5-14 A ✓	205	226	0.2	0.99	< 2	200	0.5	2	0.55	2.0	11	57	43	8.20	< 10	< 1	0.31	10	1.38	2480	2	
95-5-16 A ✓	205	226	0.6	0.59	18	170	0.5	2	1.25	1.0	11	47	76	7.02	10	2	0.31	< 10	1.87	2180	1	
95-5-18 A ✓	205	226	0.4	0.88	8	270	0.5	2	1.07	< 0.5	10	42	166	5.10	< 10	< 1	0.36	10	1.17	1260	2	
95-5-20 A ✓	205	226	< 0.2	0.55	< 2	170	0.5	< 2	1.06	< 0.5	6	37	18	3.87	< 10	< 1	0.33	10	0.86	1045	1	
95-6-02 A ✓	205	226	2.0	1.01	34	60	0.5	2	0.38	1.0	20	64	228	10.95	< 10	1	0.27	< 10	0.95	4070	1	
95-6-06 A ✓	205	226	< 0.2	1.92	< 2	70	0.5	< 2	1.18	< 0.5	10	37	47	4.85	10	1	0.19	10	1.39	1040	3	
95-6-08 A ✓	205	226	< 0.2	1.65	< 2	80	< 0.5	2	1.05	< 0.5	8	46	76	4.29	10	< 1	0.28	10	1.23	850	2	
95-6-10 A ✓	205	226	< 0.2	1.32	< 2	160	< 0.5	< 2	1.32	< 0.5	9	36	29	3.53	< 10	1	0.26	< 10	1.03	845	< 1	
95-6-12 A ✓	205	226	0.6	1.53	< 2	190	0.5	2	0.87	< 0.5	7	47	124	4.99	< 10	< 1	0.29	< 10	0.86	1590	1	
95-6-13 A ✓	205	226	0.6	1.55	< 2	180	0.5	4	1.18	0.5	9	51	116	4.70	< 10	< 1	0.32	< 10	0.80	1630	1	
95-6-14 A ✓	205	226	0.4	1.76	< 2	80	0.5	4	1.58	1.0	10	33	136	5.78	< 10	< 1	0.33	10	0.82	1540	1	
95-6-15 A ✓	205	226	0.8	1.62	< 2	260	0.5	2	1.35	1.5	10	41	244	5.74	< 10	3	0.39	10	0.74	1600	1	
95-6-16 A ✓	205	226	1.2	1.43	< 2	140	0.5	8	1.00	1.0	12	37	220	6.22	< 10	< 1	0.33	< 10	0.60	1665	3	
95-6-17 A ✓	205	226	0.8	1.44	< 2	110	0.5	6	1.09	0.5	10	49	130	5.58	< 10	< 1	0.36	10	0.61	1575	1	
95-6-18 A ✓	205	226	0.2	1.75	< 2	100	0.5	4	1.52	0.5	10	40	109	5.65	< 10	1	0.41	10	0.90	1280	2	
95-6-19 A ✓	205	226	0.4	1.39	< 2	130	0.5	< 2	1.36	0.5	10	34	89	5.54	< 10	< 1	0.36	10	0.72	1385	4	
95-6-20 A ✓	205	226	0.4	1.55	< 2	240	0.5	2	1.60	1.5	10	43	108	5.93	< 10	< 1	0.37	10	0.76	1510	2	
95-6-21 A ✓	205	226	0.6	1.34	< 2	140	0.5	4	0.84	1.0	7	37	116	6.08	< 10	< 1	0.39	10	0.53	1670	1	
95-6-22 A ✓	205	226	0.6	2.19	< 2	130	0.5	2	0.79	< 0.5	12	47	76	8.36	< 10	< 1	0.39	10	1.03	1560	1	
95-6-23 A ✓	205	226	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.
95-6-24 A ✓	205	226	0.6	1.11	< 2	140	0.5	4	0.67	0.5	11	44	46	8.05	< 10	2	0.35	10	1.10	2250	2	
95-6-25 A ✓	205	226	0.4	1.41	< 2	150	0.5	2	0.99	0.5	8	37	33	5.58	< 10	< 1	0.28	10	0.95	1090	1	
95-6-26 A ✓	205	226	< 0.2	1.54	< 2	140	0.5	< 2	0.80	0.5	25	34	13	5.30	< 10	< 1	0.30	20	0.99	720	1	
I.T.H.M #1	205	226	10.0	0.31	60	10	< 0.5	24	0.04	0.5	4	18	194	>15.00	< 10	< 1	0.04	< 10	0.01	130	8	
I.T.H.M #7	205	226	< 0.2	0.67	< 2	90	0.5	< 2	0.32	< 0.5	4	26	9	2.25	< 10	< 1	0.20	70	0.13	485	< 1	
I.T.H.M #13	205	226	0.4	4.11	< 2	80	0.5	2	0.85	< 0.5	20	68	39	9.45	10	2	0.20	30	2.35	1635	< 1	

CERTIFICATION: \_\_\_\_\_



# Chemex Labs Ltd.

Analytical Chemists \* Geochemists \* Registered Assayers  
 212 Brooksbank Ave., North Vancouver  
 British Columbia, Canada V7J 2C1  
 PHONE: 604-984-0221 FAX: 604-984-0218

To: INTERNATIONAL TOWER HILL MINES  
 C/O ROSS WEEKS  
 1625 SMITHSON PL.,  
 KELOWNA, BC  
 V1Y 8N5

\*\*

Page Number : 2-B  
 Total Pages : 2  
 Certificate Date: 19-NOV-95  
 Invoice No. : I9533498  
 P.O. Number :  
 Account : NGB

Project :  
 Comments: ATTN: ROSS WEEKS CC: NORM BONIN

## CERTIFICATE OF ANALYSIS A9533498

SAMPLE	PREP CODE	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
95-4-15 A	205 226	0.01	4	970	544	< 2	4	161	0.01	< 10	< 10	54	< 10	1605
95-4-16 A	205 226	0.01	7	1110	92	< 2	4	213	0.02	< 10	< 10	65	< 10	554
95-4-18 A	205 226	0.02	3	560	4	< 2	3	54	0.02	< 10	< 10	42	< 10	196
95-4-20 A	205 226	0.01	4	940	788	< 2	3	68	0.02	< 10	< 10	55	< 10	3550
95-4-20 B	205 226	0.01	4	940	686	< 2	3	66	0.01	< 10	< 10	53	< 10	3170
95-5-02 A	205 226	0.01	10	1310	200	< 2	9	30	0.02	< 10	< 10	108	< 10	1490
95-5-04 A	205 226	0.02	3	450	194	< 2	1	43	< 0.01	< 10	< 10	19	< 10	1090
95-5-06 A	205 226	0.02	5	850	2	< 2	6	57	0.01	< 10	< 10	71	< 10	206
95-5-08 A	205 226	0.01	8	840	136	< 2	4	57	0.01	< 10	< 10	53	< 10	1190
95-5-10 A	205 226	0.03	5	750	6	< 2	6	61	0.02	< 10	< 10	75	< 10	160
95-5-14 A	205 226	0.01	14	1110	456	< 2	4	76	< 0.01	< 10	< 10	51	< 10	1480
95-5-16 A	205 226	0.01	31	1770	160	< 2	5	114	< 0.01	< 10	< 10	50	< 10	1075
95-5-18 A	205 226	0.02	10	850	58	< 2	6	96	0.01	< 10	< 10	52	< 10	348
95-5-20 A	205 226	0.01	4	730	18	< 2	4	102	< 0.01	< 10	< 10	32	< 10	222
95-6-02 A	205 226	< 0.01	19	870	320	< 2	5	35	< 0.01	< 10	< 10	43	10	1220
95-6-06 A	205 226	0.02	5	840	44	< 2	6	65	0.01	< 10	< 10	71	< 10	346
95-6-08 A	205 226	0.02	4	760	26	< 2	7	53	0.05	< 10	< 10	77	< 10	274
95-6-10 A	205 226	0.03	5	830	22	< 2	6	54	0.05	< 10	< 10	95	< 10	296
95-6-12 A	205 226	0.01	4	770	172	< 2	4	77	0.01	< 10	< 10	45	< 10	808
95-6-13 A	205 226	0.01	4	750	230	2	4	105	< 0.01	< 10	< 10	45	< 10	888
95-6-14 A	205 226	0.01	3	810	186	< 2	3	142	< 0.01	< 10	< 10	30	< 10	1010
95-6-15 A	205 226	0.01	3	790	168	< 2	3	122	< 0.01	< 10	< 10	27	< 10	912
95-6-16 A	205 226	0.01	3	790	306	< 2	2	87	0.01	< 10	< 10	23	< 10	1205
95-6-17 A	205 226	0.01	3	810	198	< 2	2	91	0.01	< 10	< 10	29	< 10	890
95-6-18 A	205 226	0.01	4	990	172	< 2	6	150	0.02	< 10	< 10	50	< 10	794
95-6-19 A	205 226	0.01	3	870	162	< 2	3	114	0.01	< 10	< 10	33	< 10	832
95-6-20 A	205 226	0.01	5	900	206	< 2	3	137	< 0.01	< 10	< 10	30	< 10	1010
95-6-21 A	205 226	0.01	3	800	168	< 2	2	90	0.01	< 10	< 10	28	< 10	1190
95-6-22 A	205 226	0.01	17	1150	114	2	4	80	0.01	< 10	< 10	44	< 10	868
95-6-23 A	205 226	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.
95-6-24 A	205 226	0.01	15	1040	74	< 2	4	86	< 0.01	< 10	< 10	35	< 10	570
95-6-25 A	205 226	0.02	4	810	86	< 2	5	106	0.02	< 10	< 10	48	< 10	548
95-6-26 A	205 226	0.02	3	790	26	< 2	4	94	0.02	< 10	< 10	44	190	274
I.T.H.M #1	205 226	0.01	< 1	230	3420	< 2	2	8	< 0.01	< 10	< 10	33	170	1660
I.T.H.M #7	205 226	0.03	1	830	56	2	1	23	< 0.01	< 10	< 10	18	< 10	274
I.T.H.M #13	205 226	0.02	37	2800	64	< 2	7	37	0.01	< 10	< 10	100	< 10	1135

CERTIFICATION: \_\_\_\_\_



# Chemex Labs Ltd.

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

To: INTERNATIONAL TOWER HILL MINES  
C/O ROSS WEEKS  
1625 SMITHSON PL.,  
KELOWNA, BC  
V1Y 8N5

\*\*

**INVOICE NUMBER**

**I 9 5 3 5 5 8 1**

## BILLING INFORMATION

Date: 13-DEC-95  
Project:  
P.O. No.:  
Account: NGB

Comments:

Billing: For analysis performed on  
Certificate A9535581

Terms: Payment due on receipt of invoice  
1.25% per month (15% per annum)  
charged on overdue accounts

Please Remit Payments to:

**CHEMEX LABS LTD.**  
212 Brooksbank Ave.,  
North Vancouver, B.C.  
Canada V7J 2C1

# OF SAMPLES	ANALYSED FOR CODE - DESCRIPTION	UNIT PRICE	SAMPLE PRICE	AMOUNT
33	244 - Pulp; prev. prepared at Chemex 999 - Au g/t	0.00 10.75	10.75	354.75
Total Cost \$				354.75
(Reg# R100938885 ) GST \$				24.83
<b>TOTAL PAYABLE (CDN) \$</b>				<b>379.58</b>

*Paid Cheque #10  
Jan 7/96*





# Chemex Labs Ltd.

Analytical Chemists \* Geochemists \* Registered Assayers

212 Brooksbank Ave., North Vancouver  
British Columbia, Canada V7J 2C1  
PHONE: 604-984-0221 FAX: 604-984-0218

C/O ROSS WEEKS  
1625 SMITHSON PL.,  
KELOWNA, BC  
V1Y 8N5

A9535581

Comments: ATTN: ROSS WEEKS CC: NORM BONIN

**CERTIFICATE**

**A9535581**

(NGB) - INTERNATIONAL TOWER HILL MINES

Project:  
P.O. #:

Samples submitted to our lab in Vancouver, BC.  
This report was printed on 13-DEC-95.

## SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
244	33	Pulp; prev. prepared at Chemex

## ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
999	33	Au g/t: 1 assay ton, AA finish	FA-AAS	0.03	150.00



# Chemex Labs Ltd.

Analytical Chemists \* Geochemists \* Registered Assayers

212 Brooksbank Ave., North Vancouver  
British Columbia, Canada V7J 2C1  
PHONE: 604-984-0221 FAX: 604-984-0218

To: INTERNATIONAL TOWER HILL MINES  
C/O ROSS WEEKS  
1625 SMITHSON PL.,  
KELOWNA, BC  
V1Y 8N5

\*\*

Page Number : 1  
Total Pages : 1  
Certificate Date: 13-DEC-95  
Invoice No. : I9535581  
P.O. Number :  
Account : NGB

Project :  
Comments: ATTN: ROSS WEEKS CC: NORM BONIN

## CERTIFICATE OF ANALYSIS

### A9535581

SAMPLE	PREP CODE	Au g/t									
95-1-12A	244 --	0.06									
95-2-06A	244 --	0.06									
95-2-15A	244 --	< 0.03									
95-2-16A	244 --	0.03									
95-2-20A	244 --	0.06									
95-3-13A	244 --	< 0.03									
95-3-14A	244 --	< 0.03									
95-4-08A	244 --	< 0.03									
95-4-10A	244 --	0.03									
95-4-12A	244 --	< 0.03									
95-4-15A	244 --	< 0.03									
95-4-18A	244 --	0.06									
95-4-20A	244 --	< 0.03									
95-4-20B	244 --	< 0.03									
95-5-02A	244 --	< 0.03									
95-5-04A	244 --	< 0.03									
95-5-06A	244 --	< 0.03									
95-5-08A	244 --	< 0.03									
95-5-14A	244 --	< 0.03									
95-5-16A	244 --	< 0.03									
95-6-02A	244 --	< 0.03									
95-6-14A	244 --	< 0.03									
95-6-15A	244 --	< 0.03									
95-6-16A	244 --	< 0.03									
95-6-17A	244 --	< 0.03									
95-6-18A	244 --	< 0.03									
95-6-19A	244 --	< 0.03									
95-6-20A	244 --	0.06									
95-6-21A	244 --	< 0.03									
95-6-22A	244 --	< 0.03									
95-6-24A	244 --	0.03									
95-6-25A	244 --	< 0.03									
95-6-26A	244 --	< 0.03									

CERTIFICATION:

*Theresa Vink*



# Chemex Labs Ltd.

Analytical Chemists \* Geochemists \* Registered Assayers

212 Brooksbank Ave., North Vancouver  
British Columbia, Canada V7J 2C1  
PHONE: 604-984-0221 FAX: 604-984-0218

To: INTERNATIONAL TOWER HILL MINES  
C/O ROSS WEEKS  
1625 SMITHSON PL.,  
KELOWNA, BC  
V1Y 8N5

A9611868

Comments: ATTN: ROSS WEEKS CC: NORM BONIN

**CERTIFICATE**

**A9611868**

(NGB) - INTERNATIONAL TOWER HILL MINES

Project:  
P.O. #:

Samples submitted to our lab in Vancouver, BC.  
This report was printed on 14-FEB-96.

## SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
244	5	Pulp; prev. prepared at Chemex

## ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
999	5	Au g/t: 1 assay ton, AA finish	FA-AAS	0.03	150.00



# Chemex Labs Ltd.

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

To: INTERNATIONAL TOWER HILL MINES  
C/O ROSS WEEKS  
1625 SMITHSON PL.,  
KELOWNA, BC  
V1Y 8N5

\*\*

**INVOICE NUMBER** I 9 6 1 1 8 6 8

### BILLING INFORMATION

Date: 14-FEB-96  
Project:  
P.O. No.:  
Account: NGB

Comments:

Billing: For analysis performed on  
Certificate A9611868

Terms: Payment due on receipt of invoice  
1.25% per month (15% per annum)  
charged on overdue accounts

Please Remit Payments to:

**CHEMEX LABS LTD.**  
212 Brooksbank Ave.,  
North Vancouver, B.C.  
Canada V7J 2C1

# OF SAMPLES	ANALYSED FOR CODE - DESCRIPTION	UNIT PRICE	SAMPLE PRICE	AMOUNT
5	244 - Pulp; prev. prepared at Chemex 999 - Au g/t	0.00 10.75	10.75	53.75
Total Cost \$				53.75
(Reg# R100938885 ) GST \$				3.76
<b>TOTAL PAYABLE (CDN) \$</b>				<b>57.51</b>

Paid  
Cheyer / B  
Feb 22 / 96



# Chemex Labs Ltd.

Analytical Chemists \* Geochemists \* Registered Assayers  
212 Brooksbank Ave., North Vancouver  
British Columbia, Canada V7J 2C1  
PHONE: 604-984-0221 FAX: 604-984-0218

To: INTERNATIONAL TOWER HILL MINES  
C/O ROSS WEEKS  
1625 SMITHSON PL.,  
KELOWNA, BC  
V1Y 8N5

A9611868

Comments: ATTN: ROSS WEEKS CC: NORM BONIN

**CERTIFICATE**

**A9611868**

(NGB) - INTERNATIONAL TOWER HILL MINES

Project:  
P.O. #:

Samples submitted to our lab in Vancouver, BC.  
This report was printed on 14-FEB-96.

## SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
244	5	Pulp; prev. prepared at Chemex

## ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
999	5	Au g/t: 1 assay ton, AA finish	FA-AAS	0.03	150.00



# Chemex Labs Ltd.

Analytical Chemists \* Geochemists \* Registered Assayers

212 Brooksbank Ave., North Vancouver  
British Columbia, Canada V7J 2C1  
PHONE: 604-984-0221 FAX: 604-984-0218

To: INTERNATIONAL TOWER HILL MINES  
C/O ROSS WEEKS  
1625 SMITHSON PL.,  
KELOWNA, BC  
V1Y 8N5

Page Number : 1  
Total Pages : 1  
Certificate Date: 14-FEB-96  
Invoice No. : I9611868  
P.O. Number :  
Account : NGB

Project :  
Comments: ATTN: ROSS WEEKS CC: NORM BONIN

## CERTIFICATE OF ANALYSIS

## A9611868

SAMPLE	PREP CODE	Au g/t									
95-1-10 A	244 --	0.33									
95-1-14 A	244 --	< 0.03									
95-2-18 A	244 --	< 0.03									
95-3-16 A	244 --	< 0.03									
95-4-16 A	244 --	< 0.03									

*FAILED TO NORM  
FEB 22/96*

CERTIFICATION: *Norm Bonin*



# Chemex Labs Ltd.

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

To: INTERNATIONAL TOWER HILL MINES  
C/O ROSS WEEKS  
1625 SMITHSON PL.,  
KELOWNA, BC  
V1Y 8N5

\*\*

INVOICE NUMBER

I 9 6 1 2 6 1 6

### BILLING INFORMATION

Date: 1-MAR-96  
Project:  
P.O. No.:  
Account: NGB

Comments:

Billing: For analysis performed on  
Certificate A9612616

Terms: Payment due on receipt of invoice  
1.25% per month (15% per annum)  
charged on overdue accounts

Please Remit Payments to:

**CHEMEX LABS LTD.**  
212 Brooksbank Ave.,  
North Vancouver, B.C.  
Canada V7J 2C1

# OF SAMPLES	ANALYSED FOR CODE - DESCRIPTION	UNIT PRICE	SAMPLE PRICE	AMOUNT
11	208 - Assay ring to approx 150 mesh	2.50		
	220 - Transferring charge	0.85		
	222 - Drying charge (0-3 Kg)	0.50		
	226 - 0-3 Kg crush and split	2.60		
	3202 - Rock - save entire reject	0.50		
	ICP-32	7.00		
	999 - Au g/t	10.75	24.70	271.70

Total Cost \$ 271.70  
(Reg# R100938885 ) GST \$ 19.02

**TOTAL PAYABLE (CDN) \$ 290.72**

*Paid,  
Cheque # 17  
March 12/96*



# Chemex Labs Ltd.

Analytical Chemists \* Geochemists \* Registered Assayers

212 Brooksbank Ave., North Vancouver  
British Columbia, Canada V7J 2C1  
PHONE: 604-984-0221 FAX: 604-984-0218

To: INTERNATIONAL TOWER HILL MINES  
C/O ROSS WEEKS  
1625 SMITHSON PL.,  
KELOWNA, BC  
V1Y 8N5

A9612616

Comments: ATTN:ROSS WEEKS

CERTIFICATE

A9612616

(NGB) - INTERNATIONAL TOWER HILL MINES

Project:  
P.O. #:

Samples submitted to our lab in Vancouver, BC.  
This report was printed on 1-MAR-96.

## SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
208	11	Assay ring to approx 150 mesh
220	11	Transferring charge
222	11	Drying charge (0-3 Kg)
226	11	0-3 Kg crush and split
3202	11	Rock - save entire reject
229	11	ICP - AQ Digestion charge

\* 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, Tl, W.

## ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
999	11	Au g/t: 1 assay ton, AA finish	FA-AAS	0.03	150.00
2118	11	Ag ppm: 32 element, soil & rock	ICP-AES	0.2	200
2119	11	Al %: 32 element, soil & rock	ICP-AES	0.01	15.00
2120	11	As ppm: 32 element, soil & rock	ICP-AES	2	10000
2121	11	Ba ppm: 32 element, soil & rock	ICP-AES	10	10000
2122	11	Be ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
2123	11	Bi ppm: 32 element, soil & rock	ICP-AES	2	10000
2124	11	Ca %: 32 element, soil & rock	ICP-AES	0.01	15.00
2125	11	Cd ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
2126	11	Co ppm: 32 element, soil & rock	ICP-AES	1	10000
2127	11	Cr ppm: 32 element, soil & rock	ICP-AES	1	10000
2128	11	Cu ppm: 32 element, soil & rock	ICP-AES	1	10000
2150	11	Fe %: 32 element, soil & rock	ICP-AES	0.01	15.00
2130	11	Ga ppm: 32 element, soil & rock	ICP-AES	10	10000
2131	11	Hg ppm: 32 element, soil & rock	ICP-AES	1	10000
2132	11	K %: 32 element, soil & rock	ICP-AES	0.01	10.00
2151	11	La ppm: 32 element, soil & rock	ICP-AES	10	10000
2134	11	Mg %: 32 element, soil & rock	ICP-AES	0.01	15.00
2135	11	Mn ppm: 32 element, soil & rock	ICP-AES	5	10000
2136	11	Mo ppm: 32 element, soil & rock	ICP-AES	1	10000
2137	11	Na %: 32 element, soil & rock	ICP-AES	0.01	5.00
2138	11	Ni ppm: 32 element, soil & rock	ICP-AES	1	10000
2139	11	P ppm: 32 element, soil & rock	ICP-AES	10	10000
2140	11	Pb ppm: 32 element, soil & rock	ICP-AES	2	10000
2141	11	Sb ppm: 32 element, soil & rock	ICP-AES	2	10000
2142	11	Sc ppm: 32 elements, soil & rock	ICP-AES	1	10000
2143	11	Sr ppm: 32 element, soil & rock	ICP-AES	1	10000
2144	11	Ti %: 32 element, soil & rock	ICP-AES	0.01	5.00
2145	11	Tl ppm: 32 element, soil & rock	ICP-AES	10	10000
2146	11	U ppm: 32 element, soil & rock	ICP-AES	10	10000
2147	11	V ppm: 32 element, soil & rock	ICP-AES	1	10000
2148	11	W ppm: 32 element, soil & rock	ICP-AES	10	10000
2149	11	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 FAX: 604-984-0218

To: INTERNATIONAL TOWER HILL MINES  
 C/O ROSS WEEKS  
 1625 SMITHSON PL.,  
 KELOWNA, BC  
 V1Y 8N5

Project:  
 Comments: ATTN:ROSS WEEKS

Page Number :1-A  
 Total Pages :1  
 Certificate Date: 01-MAR-96  
 Invoice No. :I9612616  
 P.O. Number :  
 Account :NGB

## CERTIFICATE OF ANALYSIS A9612616

SAMPLE	PREP CODE		Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	K	La	Mg	Mn
			g/t	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	%	ppm
95-1-11A	208	220	< 0.03	0.2	1.83	< 2	210	0.5	2	1.14	4.5	8	70	86	4.60	< 10	< 1	0.41	< 10	0.76	2720
95-1-13A	--	--	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed
95-2-17A	208	220	< 0.03	0.2	2.19	6	90	0.5	2	3.24	< 0.5	18	222	133	3.05	< 10	< 1	0.22	10	1.98	815
95-2-19A	208	220	< 0.03	< 0.2	3.03	8	90	0.5	6	2.07	< 0.5	19	268	106	6.57	10	1	0.22	< 10	2.42	1290
95-3-15A	208	220	< 0.03	0.4	0.40	< 2	110	< 0.5	< 2	0.50	< 0.5	1	123	358	0.93	< 10	< 1	0.18	< 10	0.10	240
95-4-7A	208	220	< 0.03	< 0.2	2.31	10	360	0.5	14	0.67	< 0.5	9	45	275	7.15	< 10	< 1	0.45	10	1.44	1175
95-4-9A	208	220	< 0.03	0.4	0.65	2	130	0.5	4	0.34	< 0.5	15	72	22	5.39	< 10	< 1	0.42	< 10	0.66	850
95-4-11A	208	220	< 0.03	2.8	2.50	4	130	0.5	20	0.32	< 0.5	13	59	2640	9.24	10	1	0.38	< 10	1.10	1670
95-4-17A	208	220	< 0.03	0.2	1.00	< 2	60	< 0.5	4	0.26	< 0.5	4	164	199	2.48	< 10	< 1	0.23	10	0.53	535
95-4-19A	208	220	< 0.03	< 0.2	2.04	2	90	0.5	2	0.65	< 0.5	8	62	94	6.09	< 10	< 1	0.38	10	1.16	970
95-5-3A	--	--	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed
95-5-5A	--	--	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed
95-5-11A	208	220	< 0.03	< 0.2	1.70	< 2	60	0.5	< 2	0.66	< 0.5	8	61	77	4.73	< 10	< 1	0.22	10	1.33	700
95-5-13A	208	220	< 0.03	< 0.2	1.56	< 2	180	0.5	< 2	0.56	0.5	10	67	24	7.14	10	< 1	0.31	10	1.38	1740

CERTIFICATION: Hart Buchler



# Chemex Labs Ltd.

Analytical Chemists \* Geochemists \* Registered Assayers  
 212 Brooksbank Ave., North Vancouver  
 British Columbia, Canada V7J 2C1  
 PHONE: 604-984-0221 FAX: 604-984-0218

To: INTERNATIONAL TOWER HILL MINES  
 C/O ROSS WEEKS  
 1625 SMITHSON PL.,  
 KELOWNA, BC  
 V1Y 8N5

Page Number : 1-B  
 Total Pages : 1  
 Certificate Date: 01-MAR-96  
 Invoice No. : I9612616  
 P.O. Number :  
 Account : NGB

Project :  
 Comments: ATTN:ROSS WEEKS

## CERTIFICATE OF ANALYSIS A9612616

SAMPLE	PREP CODE	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
95-1-11A	208 220	1	0.03	4	790	490	< 2	4	106	< 0.01	< 10	< 10	38	< 10	3270
95-1-13A	-- --	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed
95-2-17A	208 220	10	0.16	86	960	48	< 2	12	214	0.10	< 10	< 10	102	< 10	268
95-2-19A	208 220	14	0.06	92	880	34	< 2	17	164	0.07	< 10	< 10	134	< 10	308
95-3-15A	208 220	1	0.05	3	110	14	< 2	< 1	36	< 0.01	< 10	< 10	2	< 10	76
95-4-7A	208 220	5	0.01	6	1030	26	< 2	6	108	0.03	< 10	< 10	85	< 10	304
95-4-9A	208 220	1	< 0.01	4	690	32	< 2	1	100	< 0.01	< 10	< 10	14	< 10	228
95-4-11A	208 220	2	< 0.01	5	900	64	< 2	5	60	0.01	< 10	< 10	47	< 10	836
95-4-17A	208 220	1	0.04	6	360	32	< 2	1	54	< 0.01	< 10	< 10	15	< 10	226
95-4-19A	208 220	1	0.02	5	930	18	< 2	4	134	0.03	< 10	< 10	65	< 10	244
95-5-3A	-- --	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed
95-5-5A	-- --	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed
95-5-11A	208 220	2	0.04	5	820	30	< 2	7	61	0.04	< 10	< 10	81	< 10	174
95-5-13A	208 220	3	0.03	5	730	232	< 2	5	62	0.01	< 10	< 10	52	< 10	822

CERTIFICATION:

*Handwritten signature*



# Chemex Labs Ltd.

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

o: INTERNATIONAL TOWER HILL MINES  
C/O ROSS WEEKS  
1625 SMITHSON PL.,  
KELOWNA, BC  
V1Y 8N5

**INVOICE NUMBER**

**I 9 6 1 1 8 6 8**

## BILLING INFORMATION

Date: 14-FEB-96

Project:

P.O. No.:

Account: NGB

Comments:

Billing: For analysis performed on  
Certificate A9611868

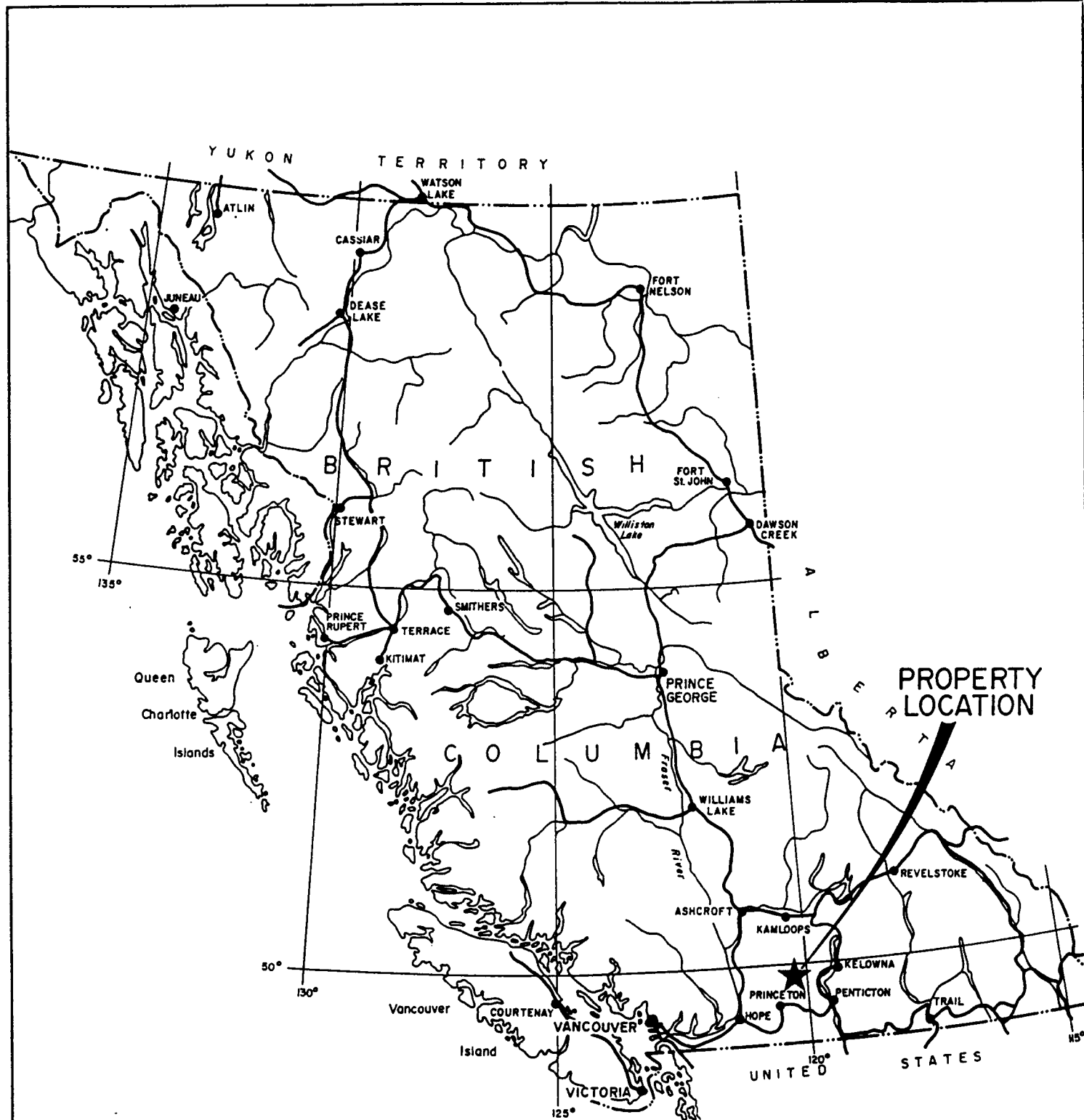
Terms: Payment due on receipt of invoice  
1.25% per month (15% per annum)  
charged on overdue accounts

Please Remit Payments to:

**CHEMEX LABS LTD.**  
212 Brooksbank Ave.,  
North Vancouver, B.C.  
Canada V7J 2C1

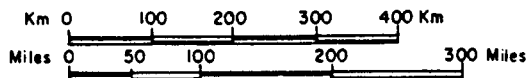
# OF SAMPLES	ANALYSED FOR CODE - DESCRIPTION	UNIT PRICE	SAMPLE PRICE	AMOUNT
5	244 - Pulp; prev. prepared at Chemex 999 - Au g/t	0.00 10.75	10.75	53.75
			Total Cost \$	53.75
			(Reg# R100938885 ) GST \$	3.76
			<b>TOTAL PAYABLE (CDN) \$</b>	<b>57.51</b>

*Paid  
Cheyer / B  
Feb 22/96*

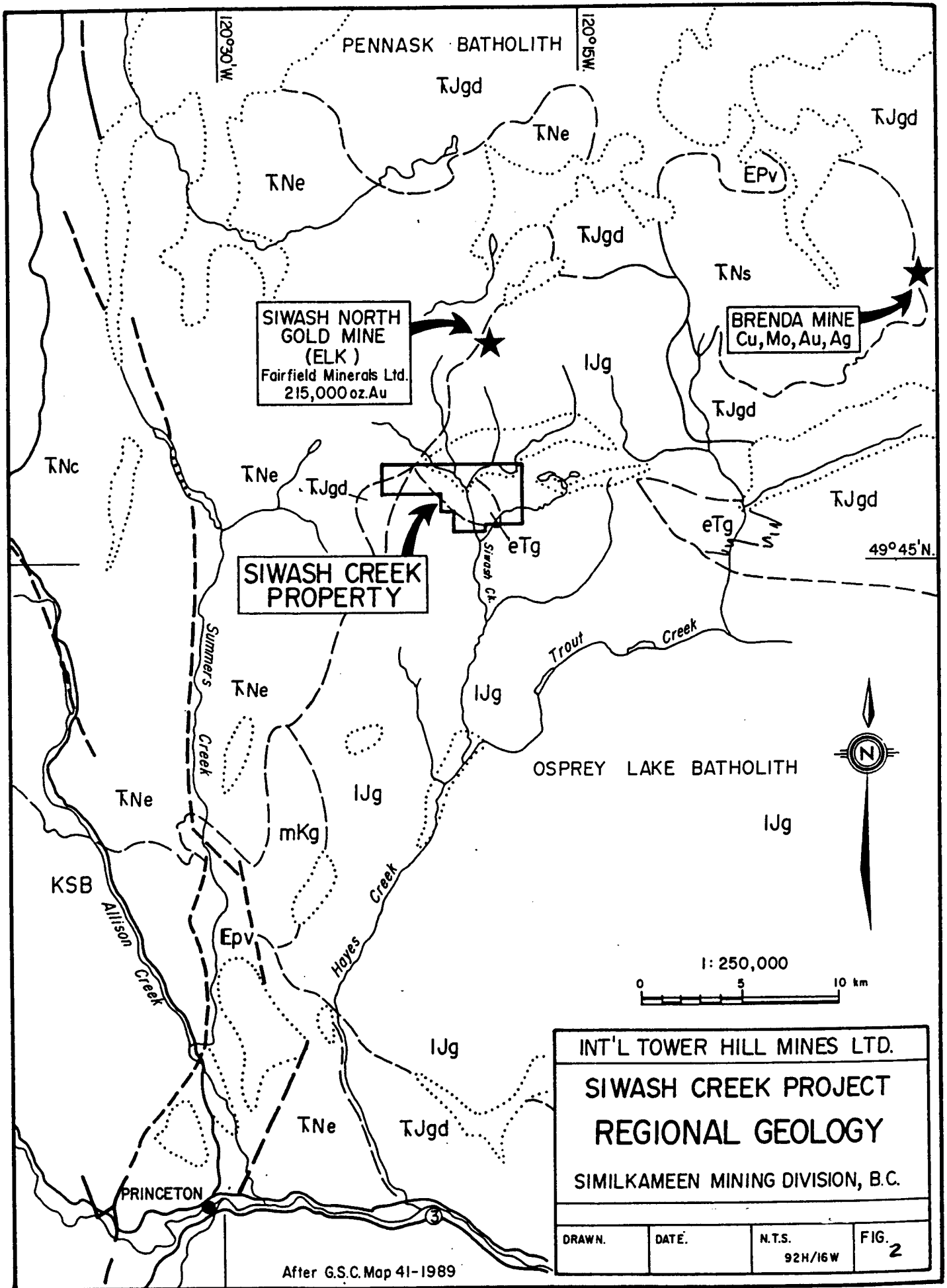


INT'L TOWER HILL MINES LTD.  
 SIWASH CREEK PROJECT  
**PROPERTY LOCATION MAP**  
 SIMILKAMEEN MINING DIVISION, B.C.

*from Pamicon Developments Ltd., Jan. 94*



DRAWN.	N.T.S. 92H/16W	DATE.	FIGURE. 1.
--------	-------------------	-------	------------



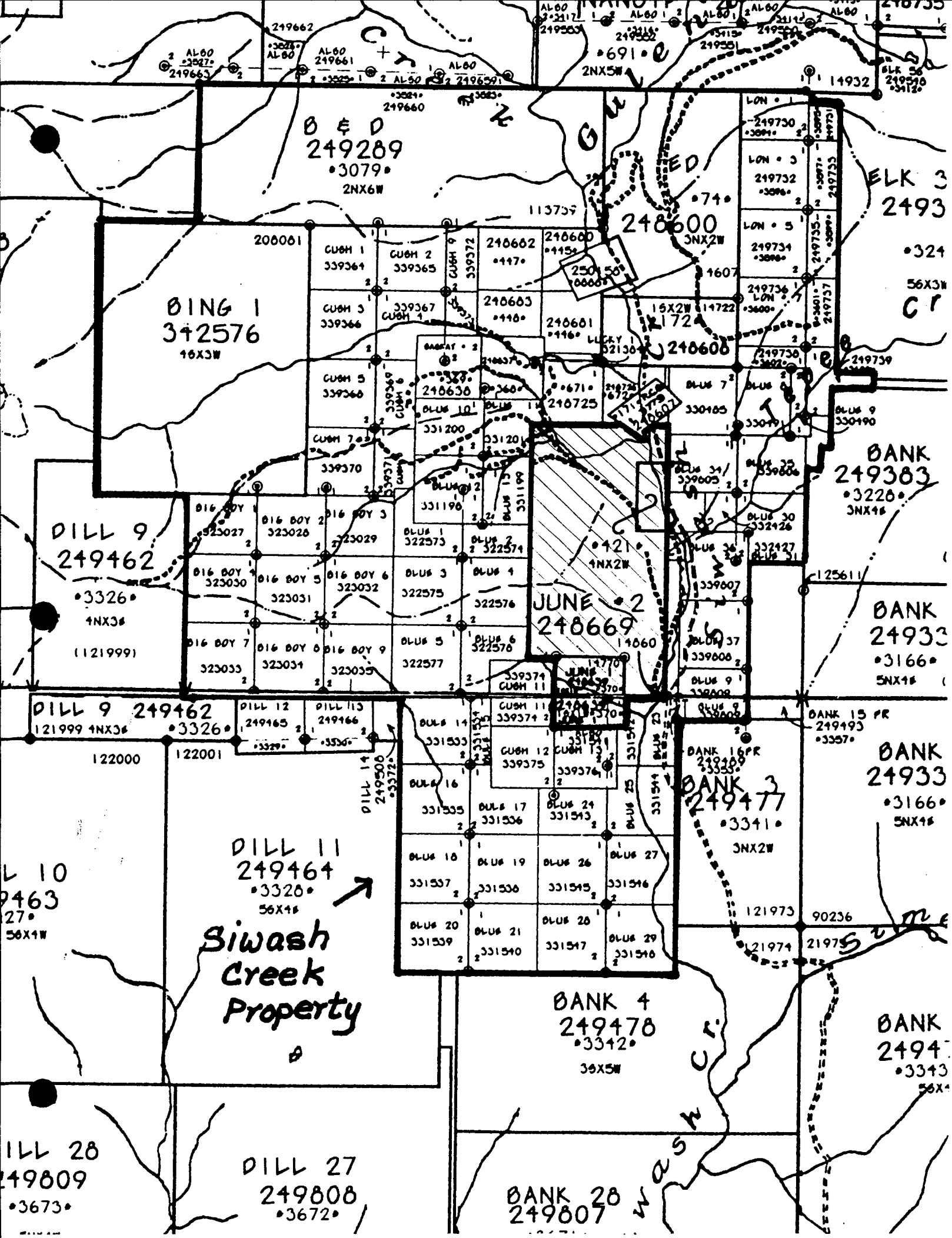
**SIWASH NORTH GOLD MINE (ELK)**  
Fairfield Minerals Ltd.  
215,000 oz. Au

**BRENDA MINE**  
Cu, Mo, Au, Ag

**SIWASH CREEK PROPERTY**

INT'L TOWER HILL MINES LTD.			
SIWASH CREEK PROJECT			
REGIONAL GEOLOGY			
SIMILKAMEEN MINING DIVISION, B.C.			
DRAWN.	DATE.	N.T.S. 92H/16W	FIG. 2

After G.S.C. Map 41-1989



**B & D**  
249289  
•3079•  
2NX6W

**BING 1**  
342576  
46X3W

**DILL 9**  
249462  
•3326•  
4NX3W  
(121999)

**DILL 9** 249462  
121999 4NX3W •3326•  
122000 122001

**DILL 11**  
249464  
•3326•  
56X1W  
**Siwash Creek Property**

**JUNE 2**  
248669  
4NX2W  
19060

**BANK 4**  
249478  
•3342•  
36X5W

**BANK 28**  
249807

**248600**  
3NX2W  
1607  
172

**ELK 3**  
2493  
•324•  
56X3W  
CR

**BANK**  
249383  
•3226•  
3NX1W

**BANK**  
24933  
•3166•  
5NX1W

**BANK**  
24933  
•3166•  
5NX1W

**BANK 3**  
249477  
•3341•  
3NX2W

**BANK**  
2494  
•3343•  
56X1W

**DILL 27**  
249808  
•3672•

**DILL 28**  
249809  
•3673•

**BANK 15 PR**  
249493  
•3357•

**BANK 16 PR**  
249479  
•3340•

121973 90236

121974 21975

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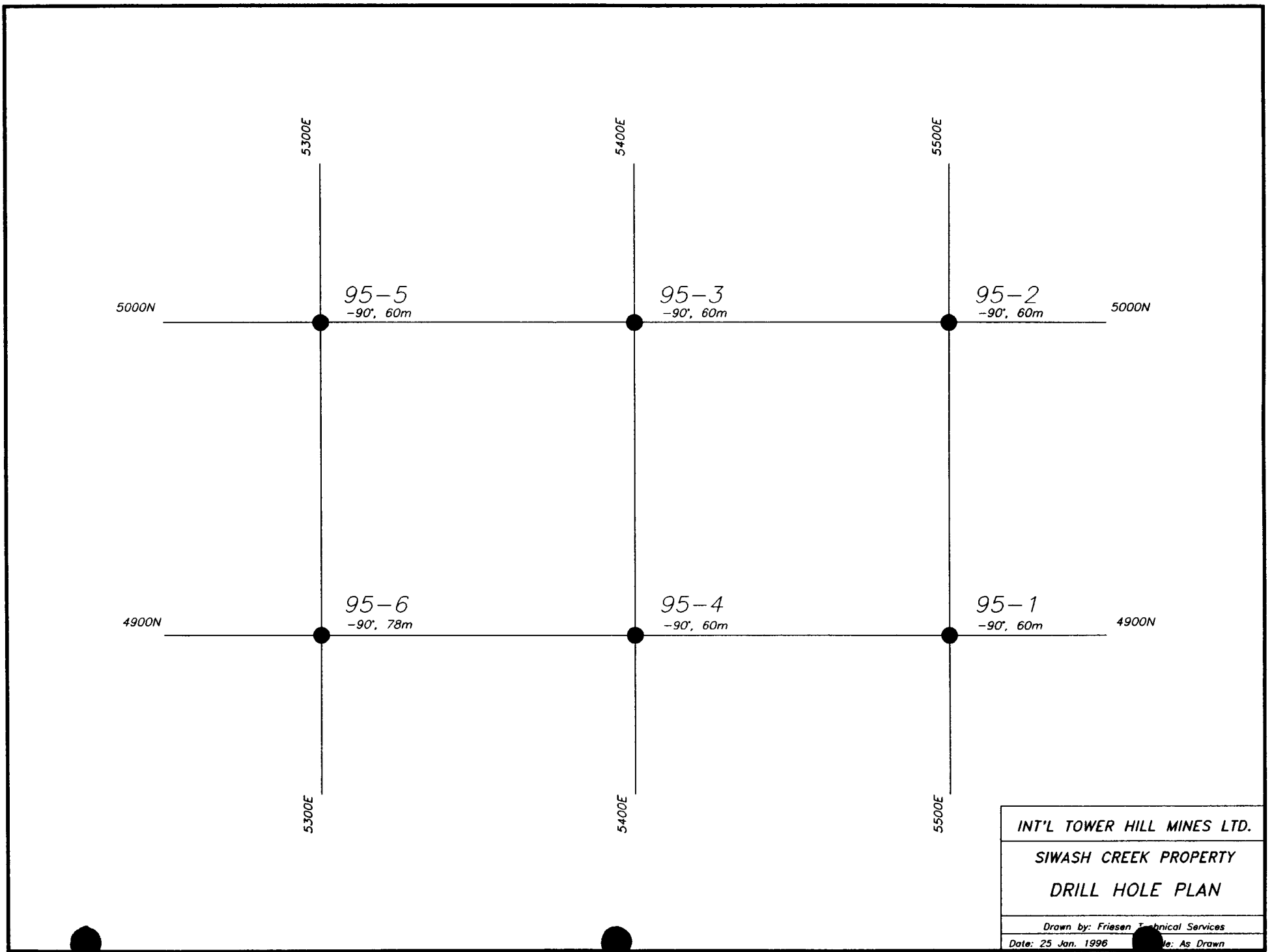
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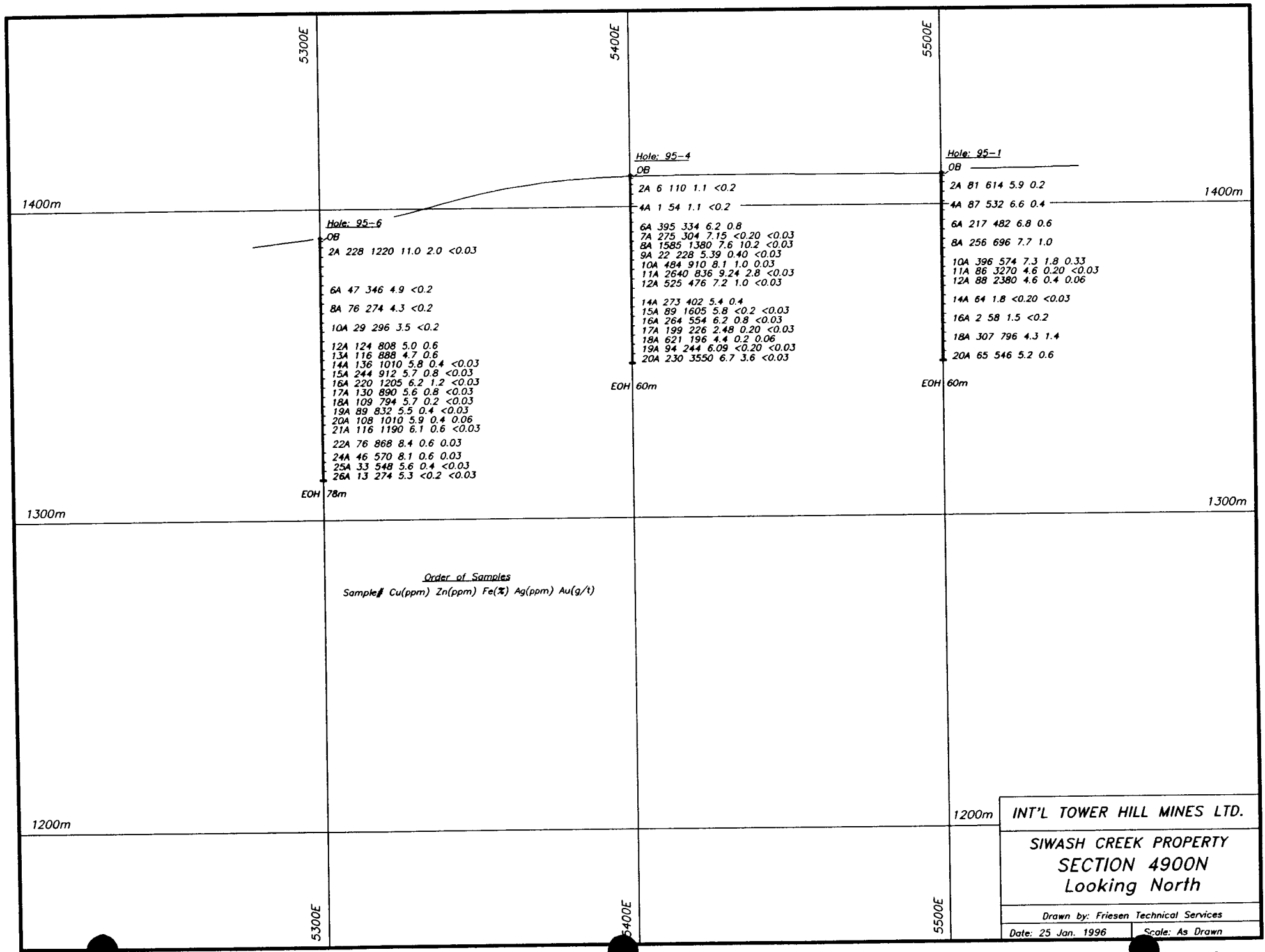
122234

122235



INT'L TOWER HILL MINES LTD.
SIWASH CREEK PROPERTY
DRILL HOLE PLAN
Drawn by: Friesen Technical Services
Date: 25 Jan. 1996
Scale: As Drawn

Fig. 5

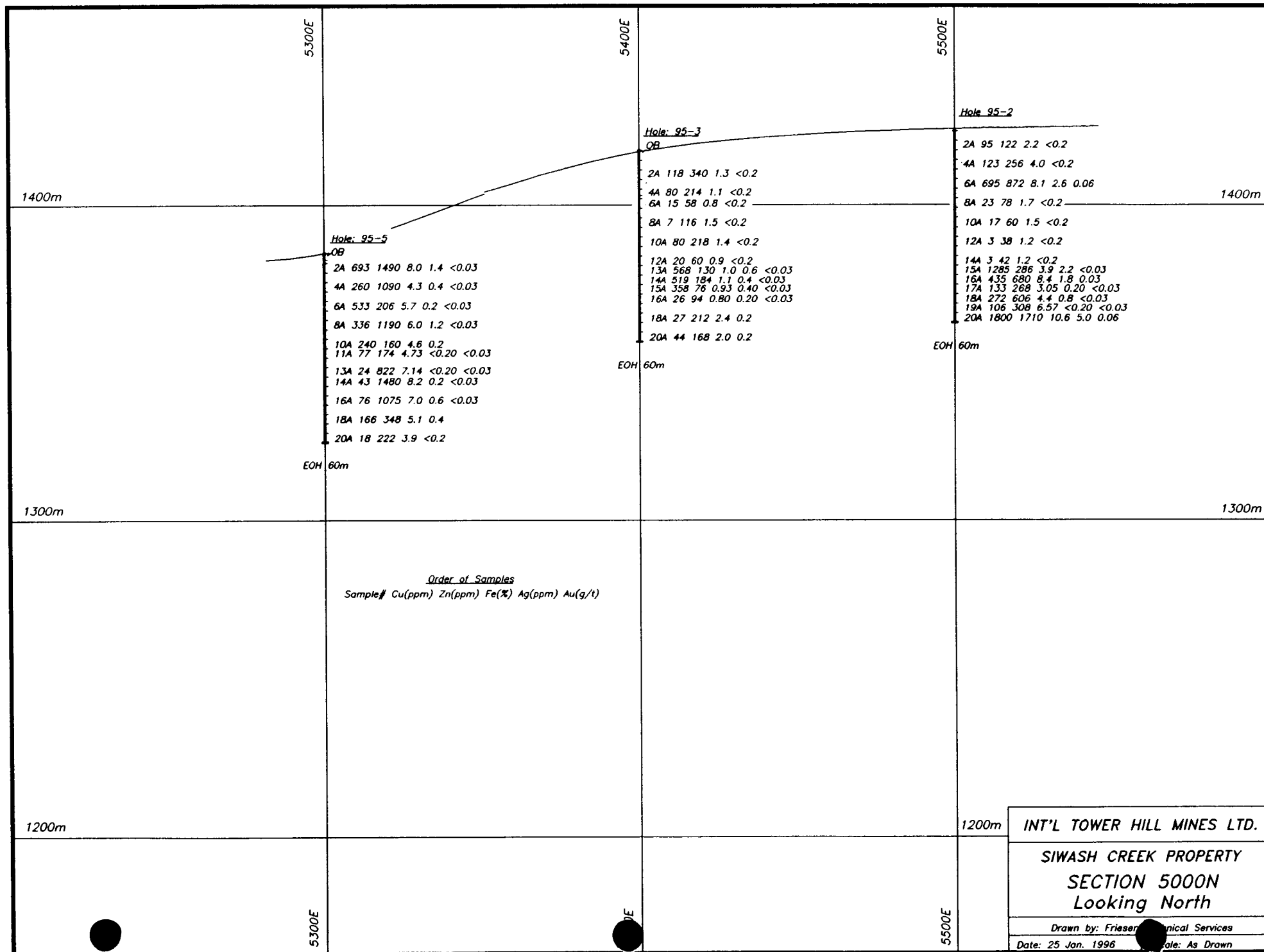


INT'L TOWER HILL MINES LTD.  
 SIWASH CREEK PROPERTY  
 SECTION 4900N  
 Looking North

Drawn by: Friesen Technical Services  
 Date: 25 Jan. 1996      Scale: As Drawn

Fig. 6





5300E

5400E

5500E

1400m

1400m

1300m

1300m

1200m

1200m

EOH 60m

EOH 60m

EOH 60m

Hole: 95-5

OB  
 2A 693 1490 8.0 1.4 <0.03  
 4A 260 1090 4.3 0.4 <0.03  
 6A 533 206 5.7 0.2 <0.03  
 8A 336 1190 6.0 1.2 <0.03  
 10A 240 160 4.6 0.2  
 11A 77 174 4.73 <0.20 <0.03  
 13A 24 822 7.14 <0.20 <0.03  
 14A 43 1480 8.2 0.2 <0.03  
 16A 76 1075 7.0 0.6 <0.03  
 18A 166 348 5.1 0.4  
 20A 18 222 3.9 <0.2

Hole: 95-3

OB  
 2A 118 340 1.3 <0.2  
 4A 80 214 1.1 <0.2  
 6A 15 58 0.8 <0.2  
 8A 7 116 1.5 <0.2  
 10A 80 218 1.4 <0.2  
 12A 20 60 0.9 <0.2  
 13A 568 130 1.0 0.6 <0.03  
 14A 519 184 1.1 0.4 <0.03  
 15A 358 76 0.93 0.40 <0.03  
 16A 26 94 0.80 0.20 <0.03  
 18A 27 212 2.4 0.2  
 20A 44 168 2.0 0.2

Hole 95-2

2A 95 122 2.2 <0.2  
 4A 123 256 4.0 <0.2  
 6A 695 872 8.1 2.6 0.06  
 8A 23 78 1.7 <0.2  
 10A 17 60 1.5 <0.2  
 12A 3 38 1.2 <0.2  
 14A 3 42 1.2 <0.2  
 15A 1285 286 3.9 2.2 <0.03  
 16A 435 680 8.4 1.8 0.03  
 17A 133 268 3.05 0.20 <0.03  
 18A 272 606 4.4 0.8 <0.03  
 19A 106 308 6.57 <0.20 <0.03  
 20A 1800 1710 10.6 5.0 0.06

Order of Samples

Sample# Cu(ppm) Zn(ppm) Fe(%) Ag(ppm) Au(g/t)

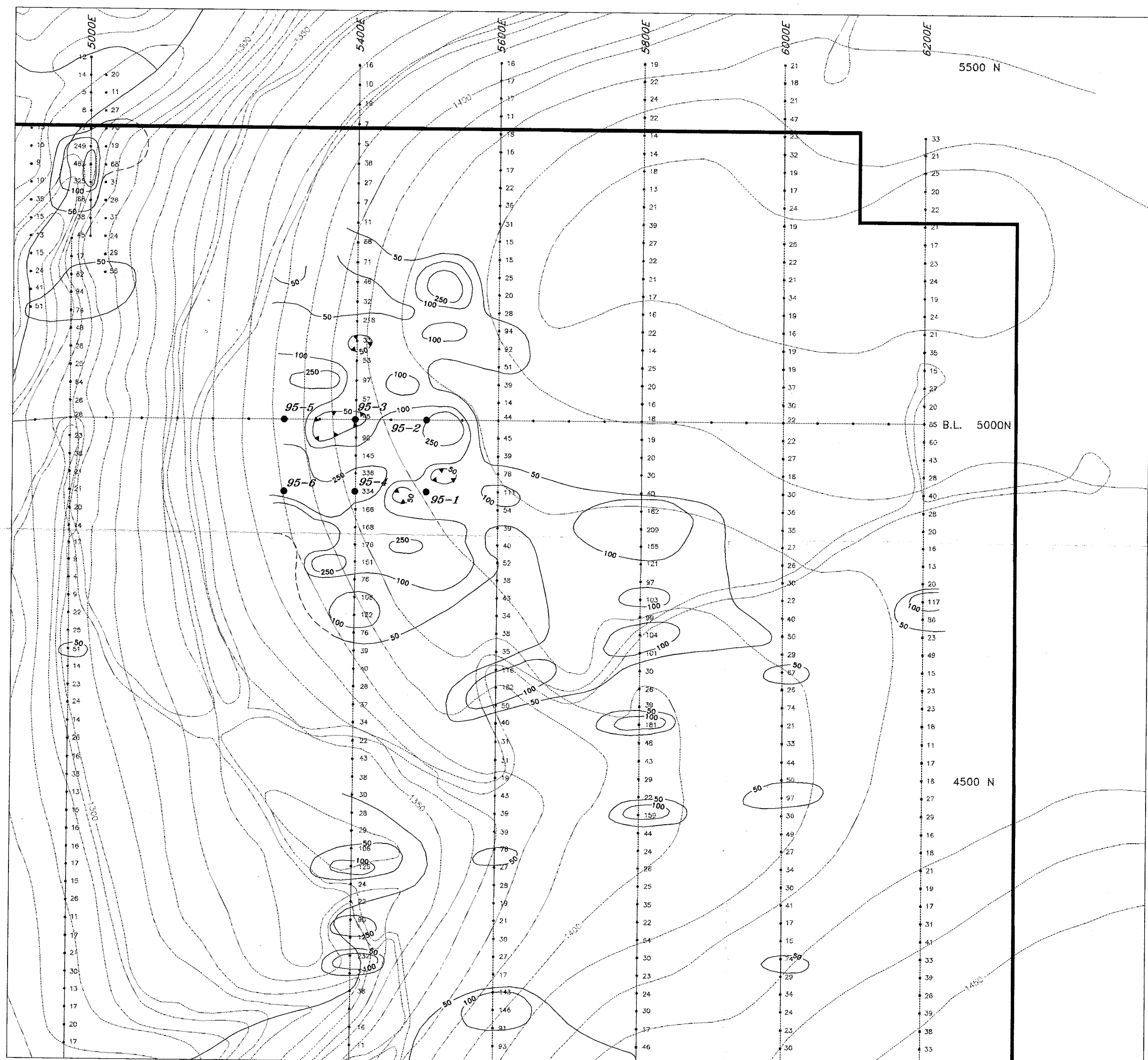
INT'L TOWER HILL MINES LTD.

SIWASH CREEK PROPERTY  
 SECTION 5000N  
 Looking North

Drawn by: Friesen Technical Services

Date: 25 Jan. 1996 Scale: As Drawn

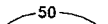
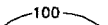
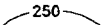


Fig. 7.

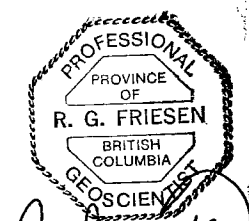


**GEOLOGICAL BRANCH  
ASSESSMENT REPORT**

**24,297**

**LEGEND**

-  Cu 50 (ppm)
-  Cu 100 (ppm)
-  Cu 250 (ppm)
-  Soil sample location Cu (ppm)
-  95-1 Drill hole locations



*R. G. Friesen*

Scale 1:5000  
0m 100m 200m 300m

**INTERNATIONAL TOWER HILL MINES LTD.  
SIWASH CREEK PROJECT  
DRILL HOLE LOCATIONS  
+  
SOIL GEOCHEMISTRY (CU)**

Drawn S. Tremblay	Date March 1996	N.T.S. 92 H/16W	Figure
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Modified after Pamicon Developments LTD. Janv.94