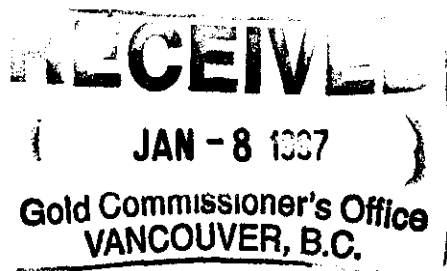


BONIN23



<b>GEOLOGICAL SURVEY BRANCH ASSESSMENT REPORTS</b>
DATE RECEIVED JAN 13 1997

ASSESSMENT REPORT ON THE 1996 DRILL PROGRAM  
FOR THE ED AND JUNE CLAIMS  
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 1230 20'W

PREPARED FOR  
R M W MINE EVALUATIONS LTD.

PREPARED BY  
ROSS M WEEKS P ENG (RETIRED)

DECEMBER 6, 1996

**GEOLOGICAL SURVEY BRANCH  
ASSESSMENT REPORT**

**24,721**



## INTRODUCTION

THE SIWASH CREEK PROPERTY IS LOCATED IN THE OKANAGAN REGION OF 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 85 MINERAL CLAIMS (FIG. 3). ACCESS TO THE PROPERTY IS VIA THE LOON LAKE TURN-OFF FROM HIGHWAY 97C (COQUIHALLA CONNECTOR) THEN APPROXIMATELY 20 KILOMETRES ALONG THE WELL MAINTAINED SHRIMPTON LOGGING ROAD COMPLEX.

R M W MINE EVALUATIONS LTD. WAS CONTRACTED BY INTERNATIONAL TOWER HILL MINES LTD. TO CONDUCT A FIVE HOLE DIAMOND DRILL PROGRAM. THREE OF THE NQ SIZE HOLES WERE TO TEST THE WESTERN EXTENSION OF THE COPPER-ZINC-LEAD-GOLD -SILVER SOIL GEOCHEMISTRY ANOMALY WITHIN THE ED CLAIM IN THE NORTHEASTERN CORNER OF THE PROPERTY. THE FOURTH AND FIFTH, NQ HOLES WERE TO INVESTIGATE THE HIGH GOLD VALUES A PREVIOUS OPERATOR ENCOUNTERED AT THE CAMP ZONE, SOUTH OF THE ED CLAIM (FIG. 4 ). SHELLEY LOGAN-GORDANIER WAS ENGAGED BY R M W MINE EVALUATIONS LTD TO ASSIST IN CORE LOGGING AND SAMPLING.

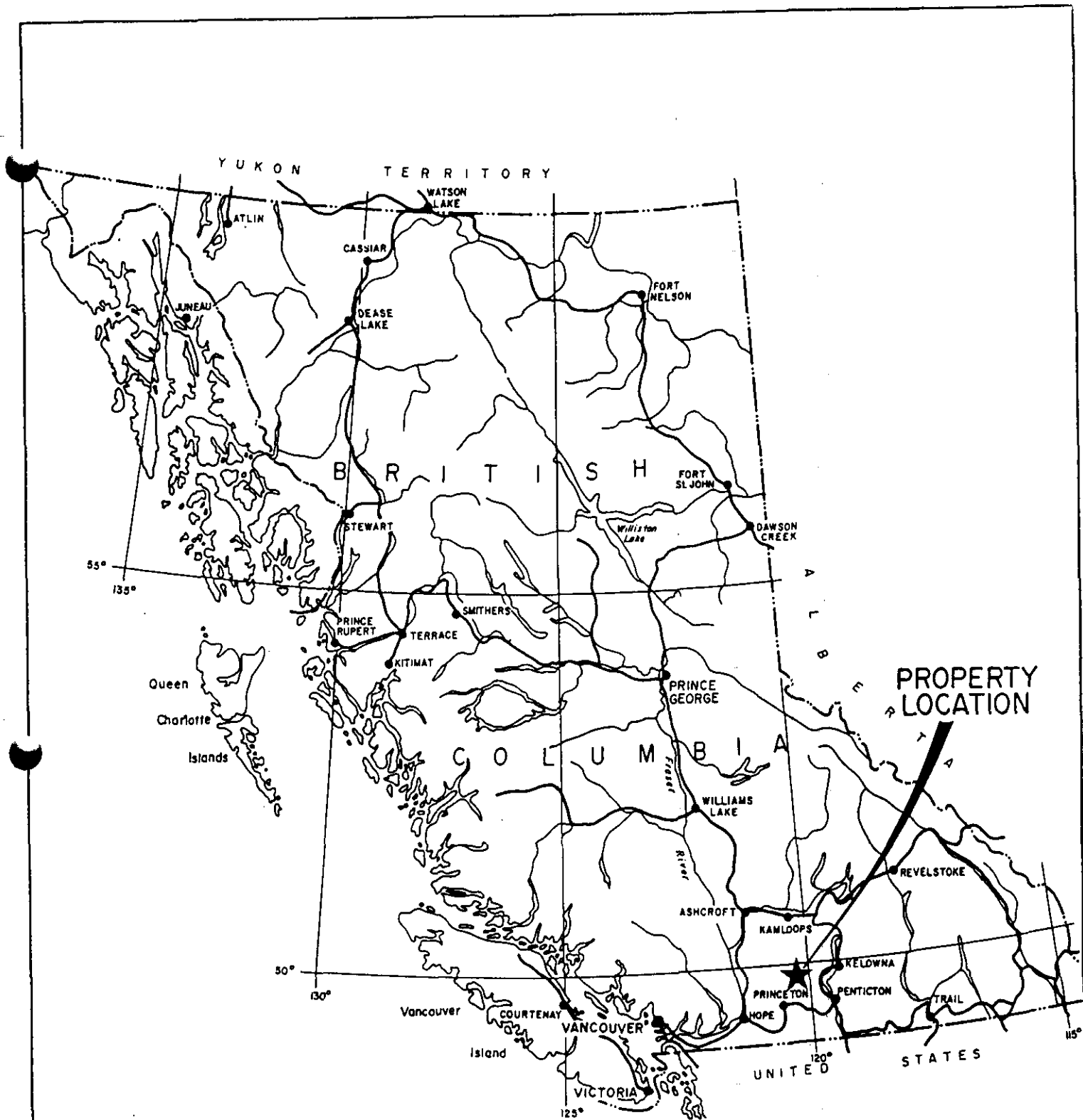
THIS REPORT SUMMARIZES THE RESULTS OF THE 1996 DRILL PROGRAM RESULTS FOR THE PURPOSE OF RECORDING ASSESSMENT WORK ON THE PROPERTY. THE REPORT UTILIZES THE 1994 REPORT ON THE PROPERTY PREPARED BY PAMICON DEVELOPMENTS FOR INTERNATIONAL TOWER HILL MINES LTD. THE REPORT OF THE 1995 PERCUSSION DRILL PROGRAM BY WEEKS AND FRIESEN IS ALSO UTILIZED. ASSESSMENT REPORT 22413 BY J C STEPHENS EXPLORATION LTD, JULY 26, 1992, WAS UTILIZED FOR THE CAMP ZONE.

## PHYSIOGRAPHY

THE SIWASH CREEK PROPERTY STRADDLES THE SIWASH / GALENA CREEKS JUNCTION (FIG. 3 & 4). THE ELEVATIONS RANGE FROM 1200 -1580 METRES ABOVE SEA LEVEL. THE ELEVATION OF THE AREA OF THE 1995 AND 1996 DRILLING PROGRAMS, ON THE ED CLAIM, AVERAGED ABOUT 1390 METRES. THICK ACCUMULATIONS OF GLACIAL TILL, SAND AND GRAVEL SURROUNDING LARGE AREAS OF OUTCROP ARE TYPICAL OF THE TOMPHSON PLATEAU TOPOGRAPHY OF THE AREA. THE COLLARS OF THE THREE HOLE ON THE ED CLAIM WERE COLLARED IN BEDROCK ALONG THE WEST EDGE OF THE LOGGING ROAD.

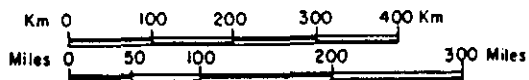
THE FORESTRY COVER ON THE PROPERTY CONSISTS OF MAINLY PINE WITH LESSER SPRUCE AND FIR. THE AREA OF THE 1995 PROGRAM WAS CLEAR-CUT WHILE THE 1996 PROGRAM UTILIZED EXISTING ROADS.

THE CLIMATE IS MODERATE WITH TEMPERATURES RANGING FROM -30 DEGREES C TO +30 DEGREES C. SNOW IS EXPECTED AROUND THE FIRST WEEK IN NOVEMBER.

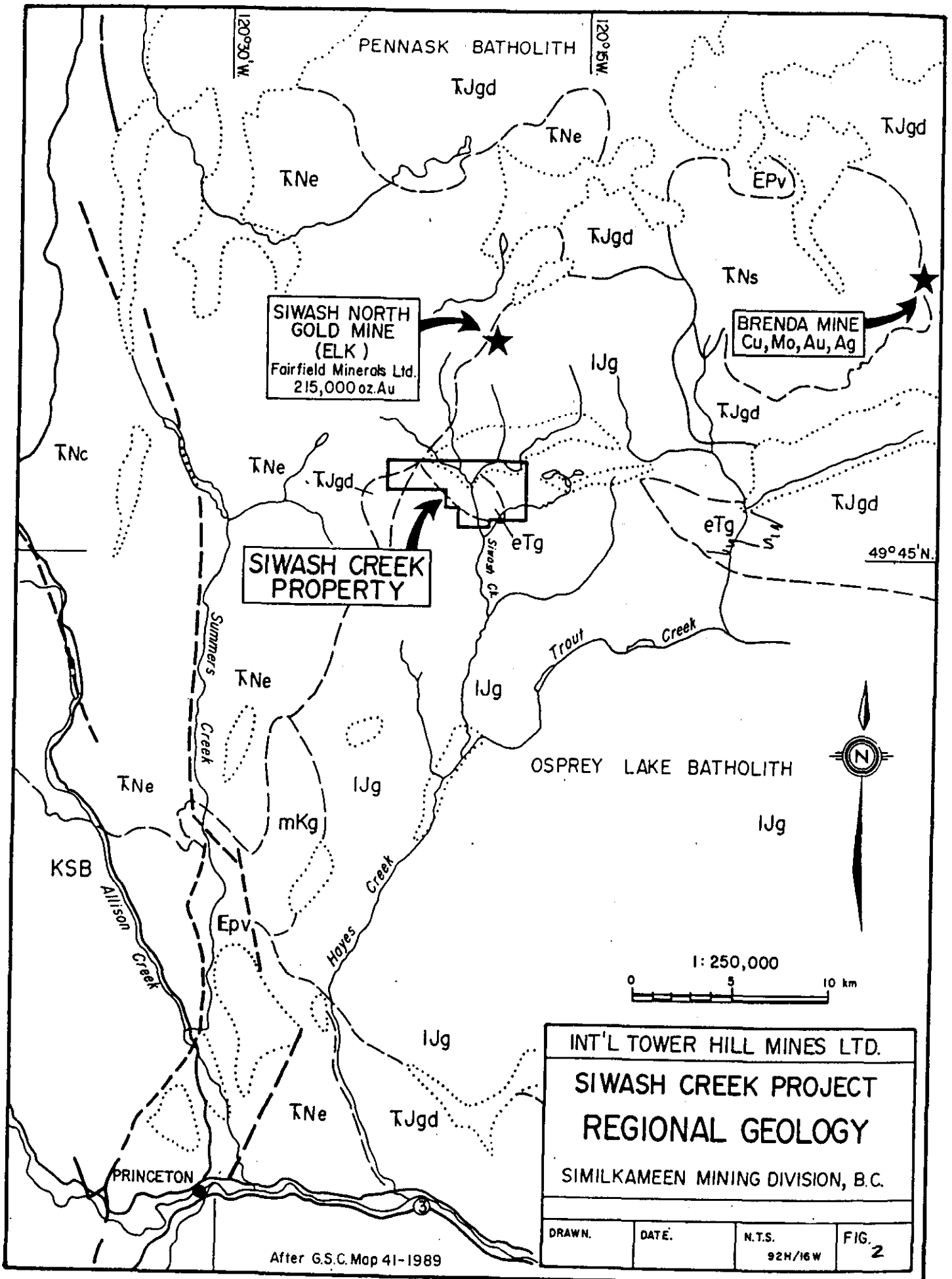


INT'L TOWER HILL MINES LTD.  
 SIWASH CREEK PROJECT  
**PROPERTY LOCATION MAP**  
 SIMILKAMEEN MINING DIVISION, B.C.

*from Pamilon Developments Ltd., Jan. 94*



DRAWN.	N.T.S. 92H/16W	DATE.	FIGURE. 1.
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**SIWASH NORTH GOLD MINE (ELK)**  
Fairfield Minerals Ltd.  
215,000 oz. Au

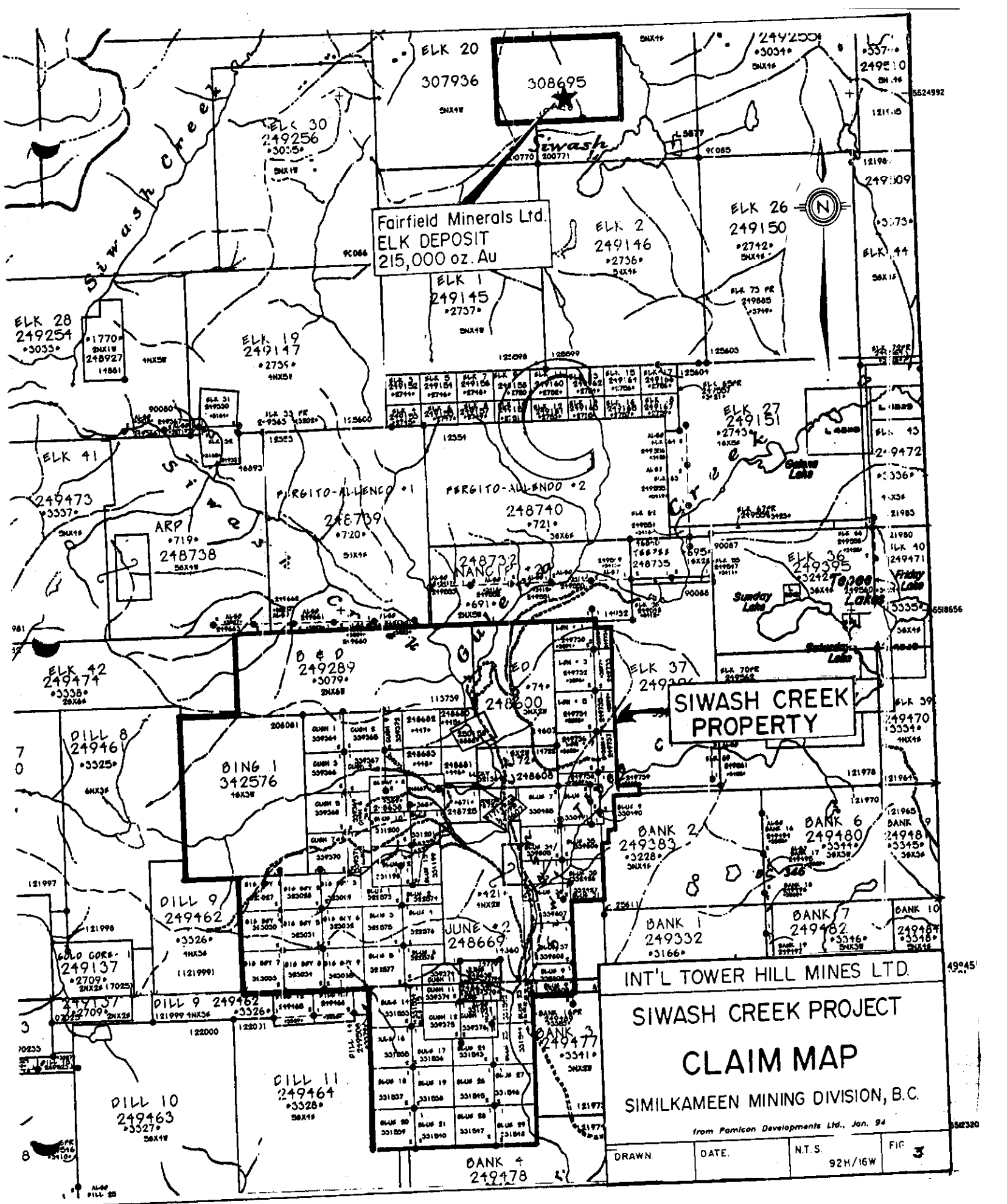
**BRENDA MINE**  
Cu, Mo, Au, Ag

**SIWASH CREEK PROPERTY**

**INT'L TOWER HILL MINES LTD.**  
**SIWASH CREEK PROJECT**  
**REGIONAL GEOLOGY**  
SIMILKAMEEN MINING DIVISION, B.C.

DRAWN.	DATE.	N.T.S.	FIG. 2
		92H/16W	

After G.S.C. Map 41-1989



Fairfield Minerals Ltd.  
ELK DEPOSIT  
215,000 oz. Au

SIWASH CREEK  
PROPERTY

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

from Pamicon Developments Ltd., Jan. 94

DRAWN	DATE	N.T.S.	FIG 3
		92H/16W	

## 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 3 ADIT GAP AREA). A TWENTY SEVEN TON SHIPMENT FROM THE RENFREW CLAIM IS REPORTED TO HAVE CONTAINED 3 OPT GOLD, 3379 OPT SILVER AND 1578 POUNDS OF 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 TWENTY FIVE KILOMETRES NORTHEAST OF THE SIWASH CREEK PROPERTY IS THE MOST IMPORTANT. BRENDA MINES LTD. PUT THE DEPOSIT INTO PRODUCTION IN 1970 AND UNDERTOOK EXTENSIVE EXPLORATION IN THE SURROUNDING AREA. NO ECONOMIC DEPOSITS WERE LOCATED BY THIS PROGRAM. BRENDA EXPLORED PART OF THE SIWASH PROPERTY IN 1979.

FAIRFIELD MINERALS HAVE BEEN EXPLORING FOR GOLD ON THEIR ELK PROPERTY LOCATED ABOUT SIX KILOMETRES NORTH OF THE SIWASH PROPERTY.

INTERNATIONAL TOWER HILL MINES LTD. OBTAINED THE PROPERTY IN 1988 AND CARRIED OUT EXPLORATION DURING THE PERIOD 1988-1991. THE WORK INCLUDED SOIL AND ROCK SAMPLING, RELOGGING AND RESAMPLING THE CORE DRILLED BY BRENDA MINES LTD. ADDITIONAL GEOLOGICAL MAPPING, PETROGRAPHICS AND PROSPECTING. THIS CULMINATED IN A 1991 PROGRAM OF REHABILITATION AND RESAMPLING OF THE ADITS AT 3 ADIT GAP AND FISSURE MAIDEN PLUS ADDITIONAL SOIL SAMPLING AND PROSPECTING. THE BEST RESULTS WERE 0.168 OPT GOLD OVER 1.1 METRES FROM THE 3 ADIT GAP AND 0.163 OPT GOLD OVER 0.15 METERS FROM THE FISSURE MAIDEN.

IN 1992 INTERNATIONAL TOWER HILL MINES LTD. UNDERTOOK A LANDSTAT 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 SEDIMENTS AND ROCK SAMPLING PROGRAMS OVER THE PROPERTY. PAMICON ALSO CONDUCTED GEOLOGICAL MAPPING AND BACKHOE TRENCHING IN SELECTED AREAS. THEIR WORK RESULTED IN LOCATING NUMEROUS ANOMALIES THROUGHOUT THE PROPERTY, THE MOST SIGNIFICANT OF WHICH IS AN AREA OF ELEVATED GOLD, COPPER, ZINC, LEAD, SILVER, ARSENIC AND BISMUTH VALUE IN THE NORTHEASTERN PORTION OF THE PROPERTY CENTRED AROUND THE AREA OF 5000N/5400E. PAMICON'S FINDINGS WERE SUBMITTED TO INTERNATIONAL TOWER HILL MINES LTD. IN A COMPREHENSIVE REPORT, WHICH TO MY KNOWLEDGE FORMED THE BASIS OF AN ASSESSMENT REPORT.

IN NOVEMBER 1995 R M W MINE EVALUATIONS WAS CONTRACTED TO CONDUCT A SIX HOLE PERCUSSION DRILL PROGRAM TOTALLING 378 METRES. THE HOLES WERE DESIGNED TO EXPLORE THE EXISTENCE OF A BRENDA TYPE PORPHYRY DEPOSIT IN THE CENTRAL AREA OF THE GEOCHEM ANOMALY. LOW GRADE COPPER, ZINC, SILVER AND GOLD WAS LOCATED IN THE LOWER PORTION OF ALL HOLES. THE RESULTS OF THIS PROGRAM ARE BEING FOLLOWED UP BY THE 1996 PROGRAM TO THE WEST OF THE 1995 PROGRAM.

LIST OF CLAIMS.. 85 CLAIMS. SEE APPENDIX PAGES 1 TO 6 INCL.

#### REGIONAL AND PROPERTY GEOLOGY ( FIGURE 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 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/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 THE PORPHYRY COPPER DEPOSITS ARE RELATED TO THE PENNASK BATHOLITH. THE 1995 AND 1996 DRILL PROGRAM ON THE ED CLAIM TESTED AN AREA UNDERLAIN BY PENNASK GRANITE/GRANODIORITE.



## DISCUSSION OF RESULTS AND CONCLUSIONS

### 1996 DRILL PROGRAM (FIGURES 4 TO 12 INCLUSIVE)

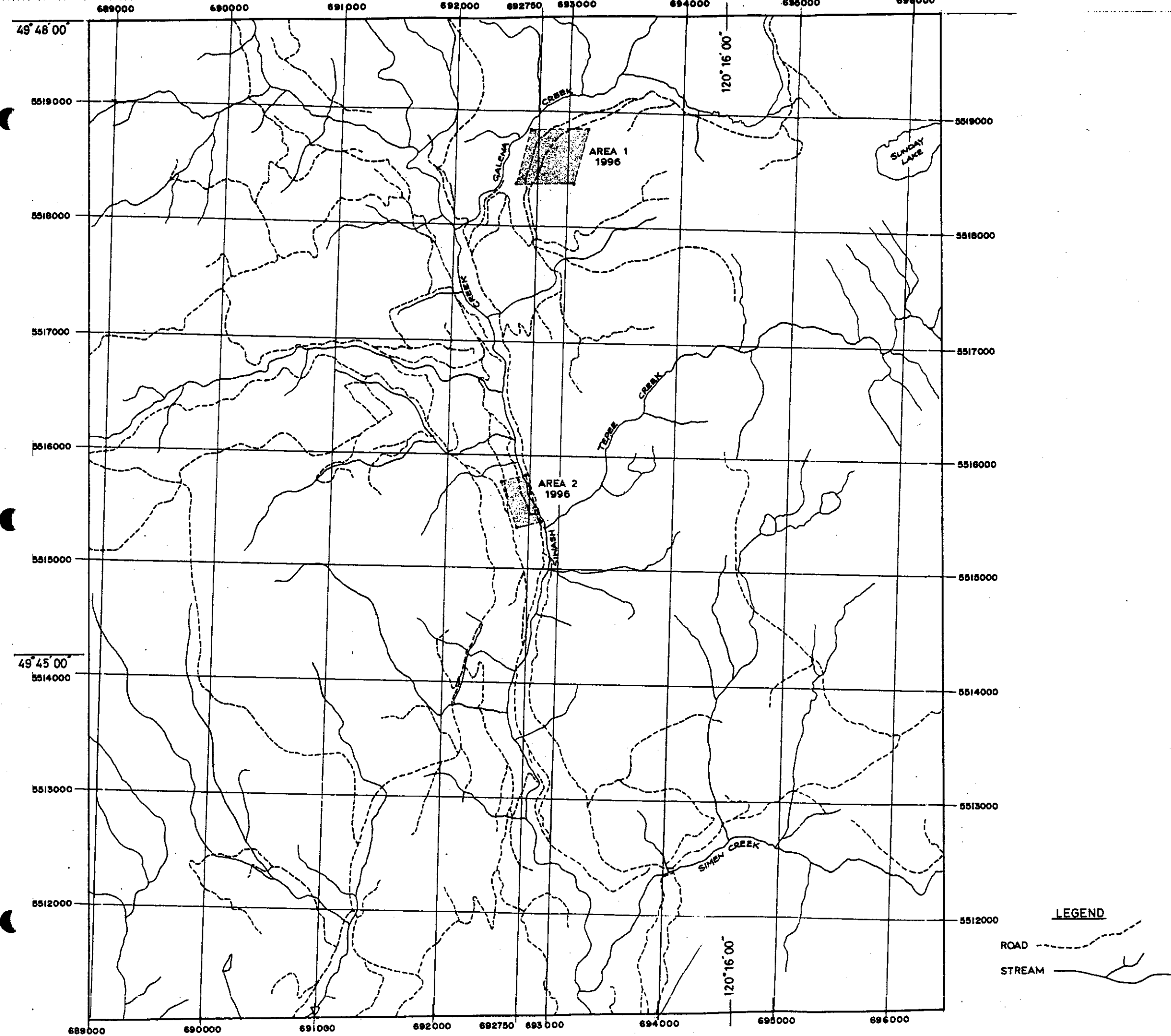
THIS PROGRAM WAS COMPLETED BETWEEN OCTOBER 17 AND NOVEMBER 6, 1996. THE WORK WAS PERFORMED BY LONE RANGER DIAMOND DRILLING OF LUMBY, B C UNDER THE SUPERVISION OF ROSS WEEKS OF KELOWNA, B C . THE DRILL OWNER/OPERATOR WAS KEN CALDWELL OF LUMBY, B C , A DRILLER WITH SOME 25 YEARS EXPERIENCE.

THE NQ CORE WAS LOGGED GEOLOGICALLY BY SHELLEY LOGAN GORDANIER OF CALGARY UNDER THE SUPERVISION OF ROSS WEEKS. FOR GEOLOGICAL LOGS AND SAMPLE INTERVALS SEE APPENDIX PAGES 7 TO 18 INCL. THE SAMPLE INTERVALS WERE BASED ON MINERALIZATION AND GEOLOGY. THE CORE WAS SAMPLED AND THEN ASSAYED BY CHEMEX LABS OF NORTH VANCOUVER. FOR ASSAYS RESULTS FROM CHEMEX SEE APPENDIX PAGES 19 TO 28 INCL.. ALL SAMPLES WERE RUN ON CHEMEX'S 32 ELEMENT I C P PROGRAM PLUS GOLD IN GRAMS PER TONNE. AFTER THE RESULTS OF THE FIRST PHASE OF ASSAYS WERE RECEIVED FURTHER SAMPLING WAS CARRIED OUT TO EXTEND ANY INTERESTING INTERSECTIONS. ALL WERE ASSAYED IN THE SAME MANNER AS THE FIRST GROUP.

TWO AREAS WERE DRILLED IN THIS PROGRAM.

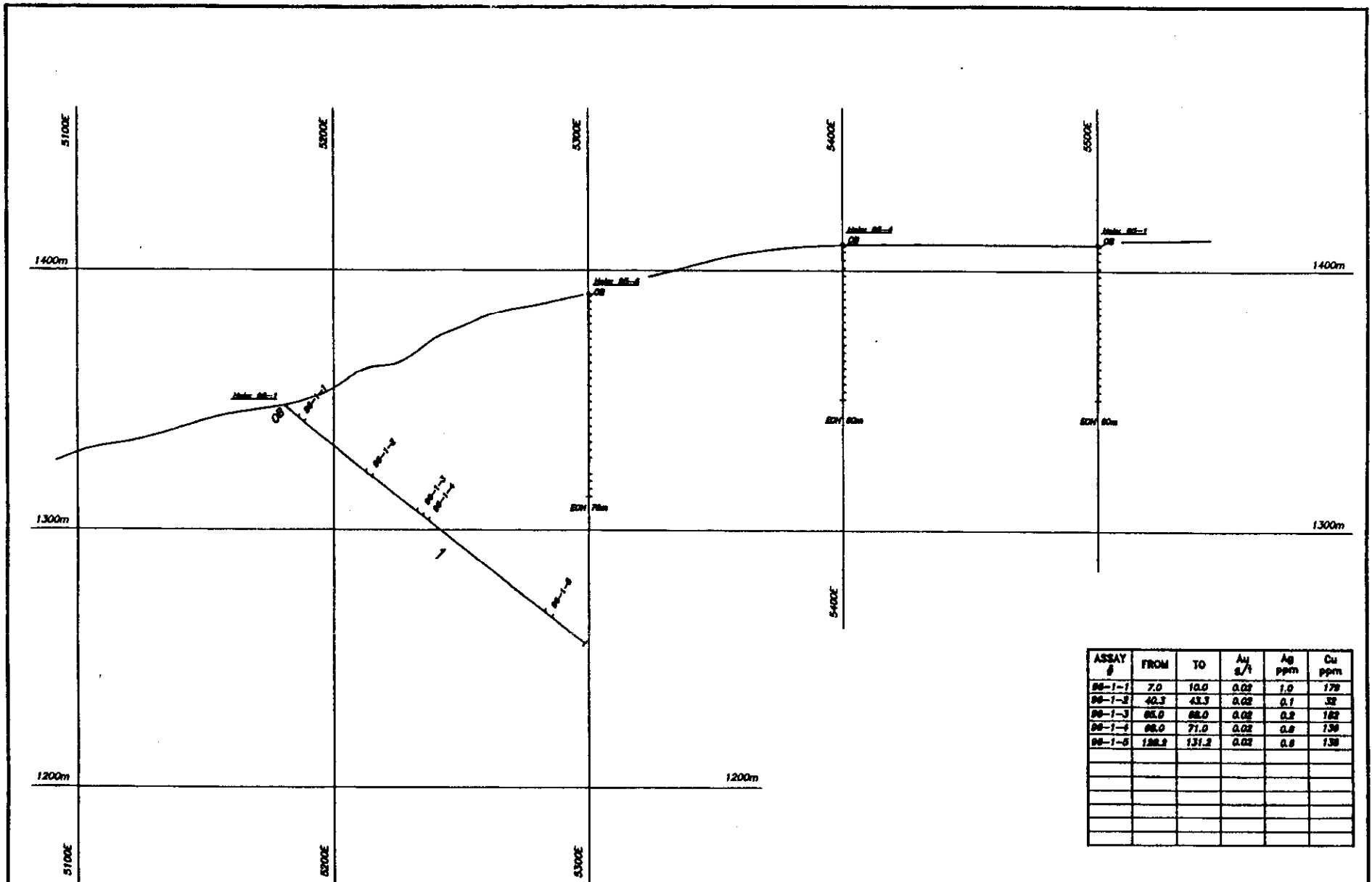
#### AREA 1, 1996 ( FIGURES 4 TO 12 INCL. )

AREA 1 WAS WEST OF THE 1995 PROGRAM, ON THE WESTERN SIDE OF THE COPPER GEOCHEM LOCATED IN 1995. THREE HOLES WERE DRILLED. DDH 96-1, LOCATED ON SECTION 48 + 95 N AND WEST OF 95-6, INVESTIGATED THE DOWNWARD AND WESTWARD EXTENSION OF THE SULPHIDES LOCATED IN PERCUSSION HOLE 95-6. NOTHING OF SIGNIFICANCE WAS INTERSECTED. DDH 96-2, LOCATED ON SECTION 50 + 13 N AND WEST OF 95-5, INVESTIGATED THE DOWNWARD EXTENSION OF THE SULPHIDES LOCATED IN PERCUSSION HOLE 95-5. MANY HEMATITE VEINS CONTAINING COPPER AND GOLD WERE INTERSECTED, BUT IN SUB ECONOMIC VALUES. DDH 96-3 , LOCATED ON SECTION 51 + 00, NORTH OF DDH 96-2, INVESTIGATED THE NORTHWESTERN EXTENSION OF THE SULPHIDES LOCATED IN PERCUSSION HOLES 95-1 TO 95-6 INCLUSIVE. SEVERAL COPPER ASSAYS WERE IN THE PLUS 0.50 PERCENT RANGE. THE CORE WAS VERY CAREFULLY REJOINED AND IT WAS FOUND THAT THE QUARTZ/HEMATITE VEINS ARE PARALLEL TO EACH OTHER AT 15 DEGREES TO CORE. ALTHOUGH UNCONFIRMED AT THIS TIME THE VEINLETS AND VEINS ARE PROBABLY VERTICAL AND STRIKE ON AN AZIMUTH OF 75 OR 105 DEGREES. HENCE THE 15 DEGREE CORING ANGLE. A PROGRAM OF FURTHER DRILLING TO INVESTIGATE THE EXTENSIONS AND DEPTH POSSIBILITIES OF THIS MOST INTERESTING MINERALIZATION TO DATE WILL BE PERFORMED IN THE SPRING OF 1997. THE DRILL SECTIONS IN THE 1997 PROGRAM WILL BE IN A NORTH SOUTH DIRECTION TO GIVE A MORE TRUE WIDTH INTERSECTION.



INTERNATIONAL TOWER HILL MINES LTD.			
SIWASH CREEK PROJECT			
1996 WORK AREA PLAN			
MODIFIED DEC. 1996 FROM UTM GRID			
ZONE 10 (1978)			
DRAWN BY:	DATE:	SCALE:	FIGURE:
TERRY T.	DEC. 5, 1996	1:15,000	4





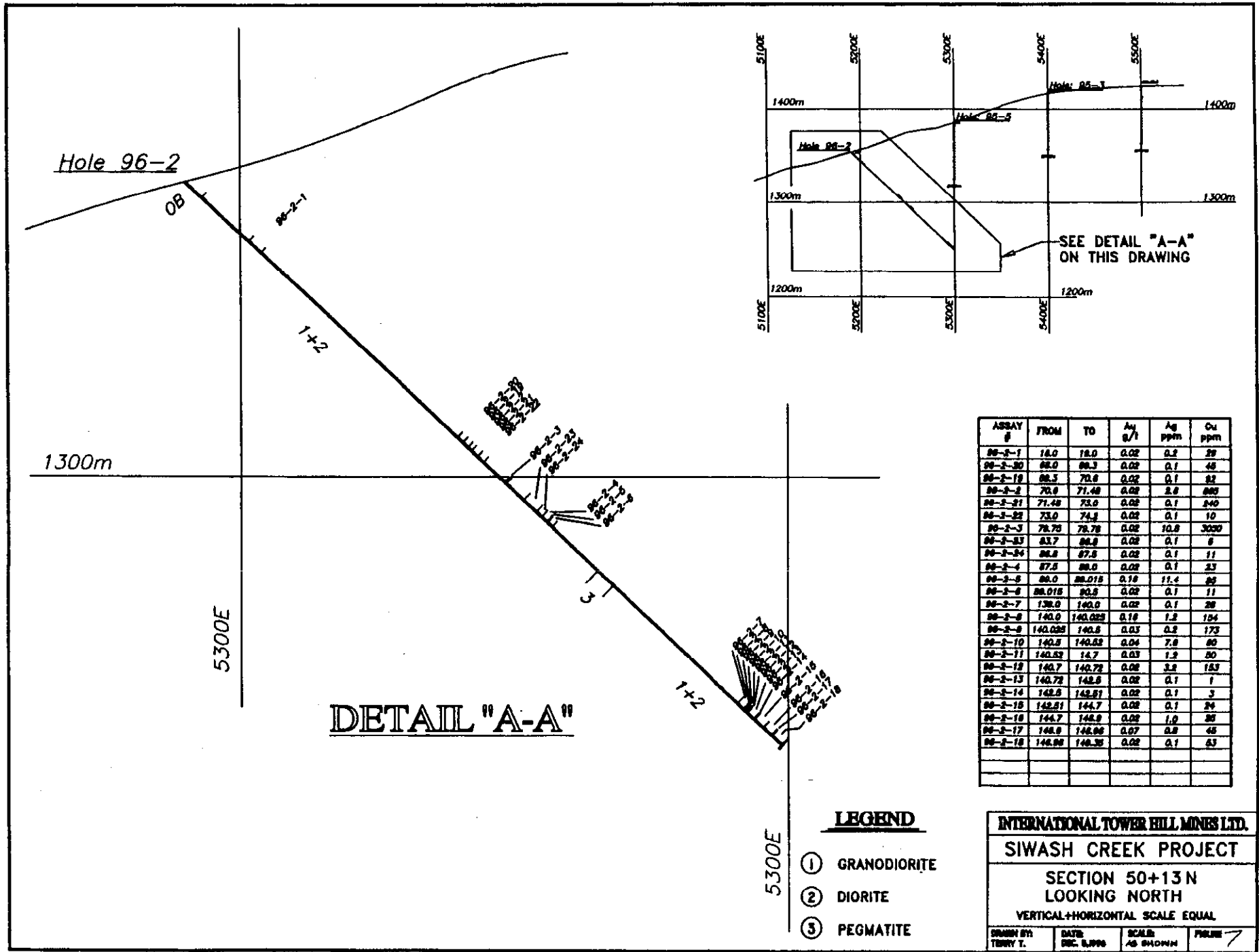
ASSAY #	FROM	TO	Au g/t	Ag ppm	Cu ppm
88-1-1	7.0	10.0	0.02	1.0	179
88-1-2	40.3	43.3	0.02	0.1	32
88-1-3	85.0	88.0	0.02	0.2	182
88-1-4	88.0	71.0	0.02	0.2	130
88-1-5	128.2	131.2	0.02	0.2	130

**LEGEND**

- ① GRANODIORITE
- ② DIORITE
- ③ PEGMATITE

**INTERNATIONAL TOWER HILL MINES LTD.**  
**SIWASH CREEK PROJECT**  
 SECTION 49+00 N  
 LOOKING NORTH  
 VERTICAL+HORIZONTAL SCALE EQUAL

DRAWN BY TERRY T.	DATE DEC. 8, 1998	SCALE AS SHOWN	FIGURE E
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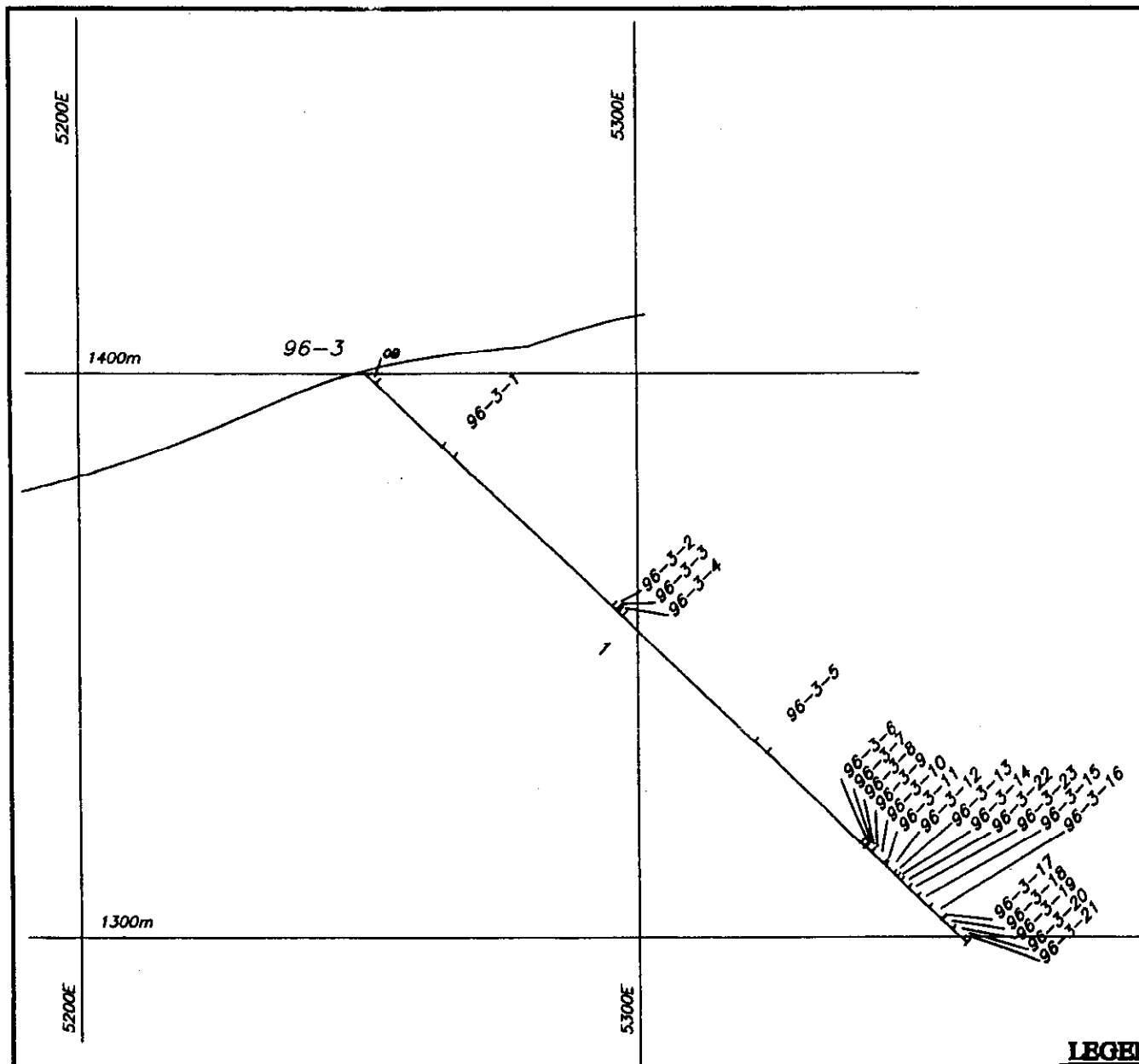
**INTERNATIONAL TOWER HILL MINES LTD.**

**SIWASH CREEK PROJECT**

SECTION 50+13N  
LOOKING NORTH

VERTICAL+HORIZONTAL SCALE EQUAL

DRAWN BY TERRY T.	DATE DEC. 8, 1996	SCALE AS SHOWN	PAGE 7
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ASSAY #	FROM	TO	Al g/t	Ag ppm	Cu ppm
96-3-1	19.35	22.35	0.02	0.1	72
96-3-2	61.8	62.8	0.02	0.1	68
96-3-3	62.8	63.1	0.03	3.2	308
96-3-4	63.1	64.1	0.02	0.2	34
96-3-5	87.0	100.0	0.02	0.8	983
96-3-6	123.3	124.3	0.02	0.1	12
96-3-7	124.3	124.5	0.02	7.4	1008
96-3-8	124.5	126.0	0.02	0.1	175
96-3-9	126.0	126.7	0.02	14.8	10001
96-3-10	126.7	129.1	0.02	0.1	268
96-3-11	129.1	129.5	0.02	3.2	6720
96-3-12	129.5	131.8	0.02	0.2	364
96-3-13	131.8	132.7	0.02	25.2	10001
96-3-14	132.7	133.7	0.02	1.4	1896
96-3-22	133.7	135.6	0.02	0.1	7
96-3-23	135.6	137.9	0.02	0.1	147
96-3-15	137.9	140.8	0.02	0.1	188
96-3-16	140.8	143.8	0.02	1.8	560
96-3-17	143.8	146.0	0.02	57.0	10001
96-3-18	146.0	148.43	0.02	0.6	828
96-3-19	148.43	149.1	0.02	0.1	81
96-3-20	149.1	149.2	0.02	0.1	52
96-3-21	149.2	150.27	0.02	0.1	243

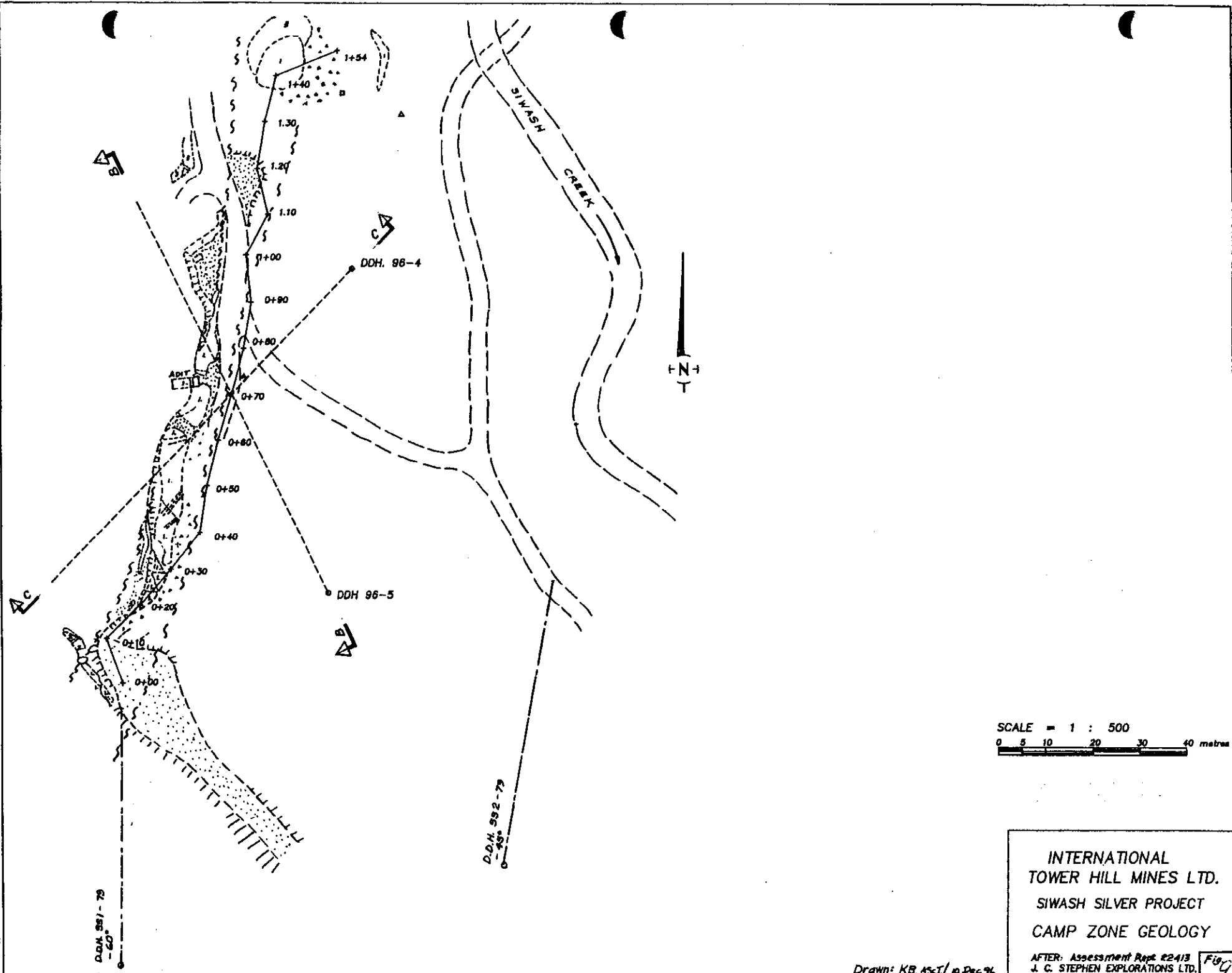
**LEGEND**

- ① GRANODIORITE
- ② DIORITE
- ③ PEGMATITE

<b>INTERNATIONAL TOWER HILL MINES LTD.</b>			
<b>SIWASH CREEK PROJECT</b>			
<b>SECTION 51 + 00N</b>			
<b>LOOKING NORTH</b>			
<b>VERTICAL+HORIZONTAL SCALE EQUAL</b>			
DRAWN BY: TERRY T.	DATE: DEC. 8, 1996	SCALE: AS SHOWN	FIGURE: 8

AREA 2, 1996

AREA 2, KNOWN AS THE CAMP ZONE, IS LOCATED ON THE WEST SIDE OF SIWASH CREEK JUST BELOW THE FORDING. THIS AREA WAS INVESTIGATED IN 1979 BY BRENDA MINES LTD. THE 1996 DRILLING PROGRAM CONSISTED OF TWO HOLES, 96-4 AND 96-5, AND WAS PERFORMED TO EVALUATE THE PRESENCE OF COPPER, GOLD AND SILVER MINERALIZATION AT DEPTH BELOW THE BRENDA TRENCH. IT WAS ESTABLISHED THAT THE AREA BETWEEN THE CAMP ZONE TRENCH AND SIWASH CREEK IS A MAJOR FAULT ZONE CONTAINING HIGHGRADE STRINGERS OF COPPER, SILVER AND GOLD. THE SPRING OF 1997 DRILLING PROGRAM WILL INVESTIGATE THE STRIKE, DIP AND WIDTH OF THIS.



SCALE = 1 : 500  
 0 5 10 20 30 40 metres

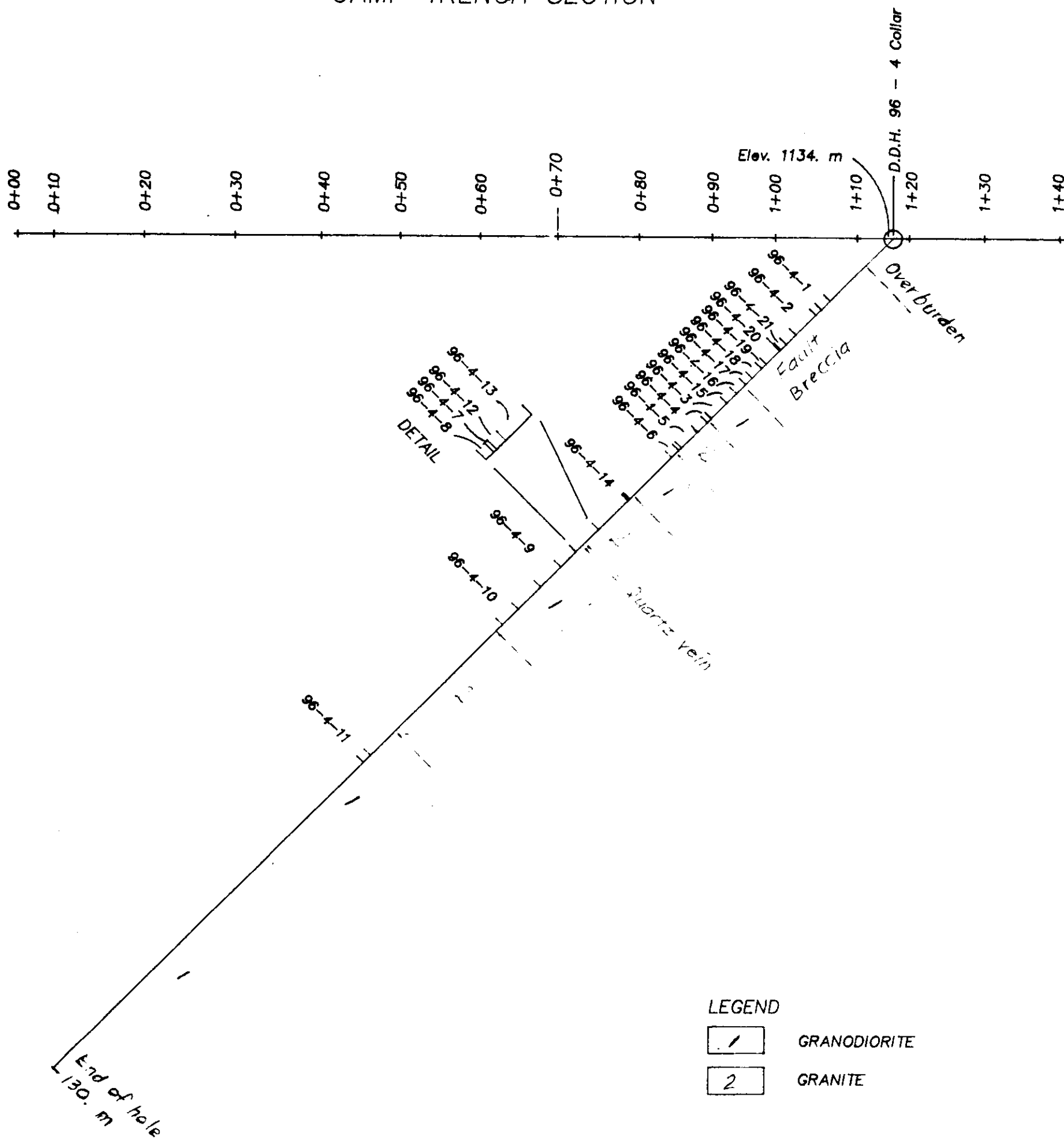
INTERNATIONAL  
 TOWER HILL MINES LTD.  
 SIWASH SILVER PROJECT  
 CAMP ZONE GEOLOGY  
 AFTER: Assessment Rept #2413  
 J. C. STEPHEN EXPLORATIONS LTD. Fig 14

Drawn: KB, AS/T, 10 Dec 96

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# CAMP TRENCH SECTION



Sample #	From	To	Au gms/t	Ag ppm	Cu ppm
96-4-1	9.9	11.25	0.02	0.6	34
96-4-2	12.1	15.2	0.02	0.8	58
96-4-21	16.7	17.5	0.02	1.6	61
96-4-20	17.7	19.8	0.04	28.4	502
96-4-19	19.8	20.5	0.02	9.0	43
96-4-18	20.5	22.0	0.03	7.4	45
96-4-17	22.0	23.0	0.02	6.6	51
96-4-16	23.0	24.4	0.02	8.0	101
96-4-15	24.4	25.91	0.02	24.4	629
96-4-3	25.91	28.3	0.09	637	823
96-4-4	28.3	29.82	0.04	13.8	218
96-4-5	30.36	32.89	0.02	4.6	56
96-4-6	33.29	34.4	0.02	7.6	117
96-4-14	40.9	41.15	0.02	1.0	15
96-4-13	45.7	47.7	0.02	0.1	8
96-4-12	47.7	48.42	0.02	1.2	91
96-4-7	48.42	48.65	10.4	79.8	8440
96-4-8	48.65	49.25	0.08	2.2	220
96-4-9	51.6	54.72	0.02	1.5	87
96-4-10	58.19	60.6	0.02	2.0	73
96-4-11	81.1	82.2	0.02	0.2	53
End of sampling					

LEGEND

- / GRANODIORITE
- 2 GRANITE

SCALE = 1 : 500



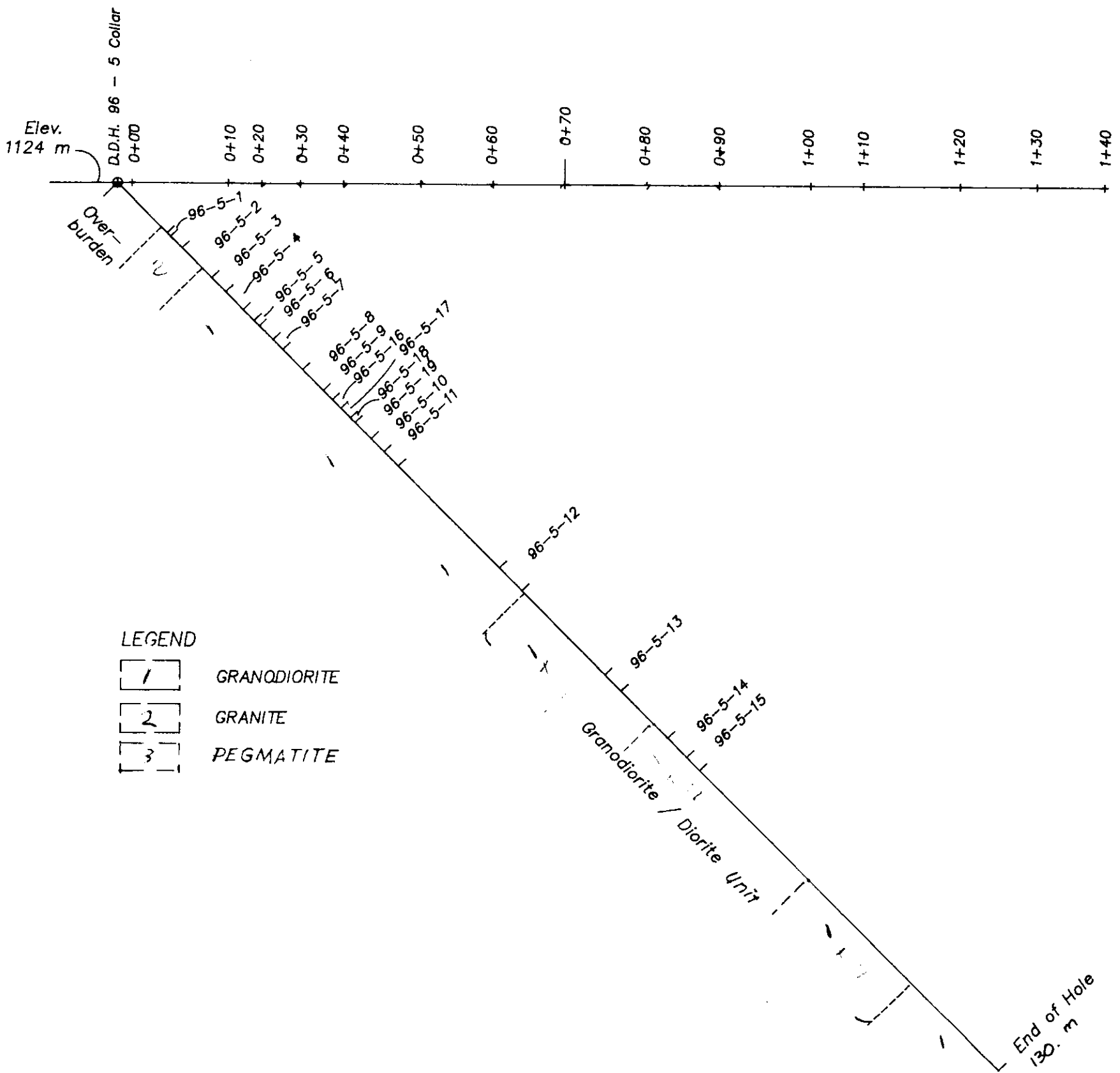
INTERNATIONAL  
TOWER HILL MINES LTD.  
SIWASH SILVER PROJECT  
SECTION C - C  
(Looking North West)  
D.D.H. 96 - 4

Drawn: K.B. AScT.  
12 Dec 96

Figure: 10

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# CAMP TRENCH SECTION



**LEGEND**

- 1 GRANODIORITE
- 2 GRANITE
- 3 PEGMATITE

Sample #	From	To	Au gms/t	Ag ppm	Cu ppm
96-5-1	7.4	7.9	0.02	5.0	70
96-5-2	9.6	13.95	0.02	0.4	26
96-5-3	13.95	16.0	0.20	100.0	1995
96-5-4	16.0	18.6	0.02	1.4	60
96-5-20	18.6	20.2	0.04	28.4	502
96-5-5	20.2	21.0	0.03	21.0	955
96-5-6	21.0	23.0	0.02	8.9	443
96-5-7	23.0	24.45	0.02	0.6	42
96-5-8	27.35	30.4	0.02	2.7	73
96-5-9	30.4	31.75	0.02	2.6	76
96-5-16	31.75	33.0	0.02	8.0	101
96-5-17	33.0	34.42	0.02	6.6	51
96-5-18	34.42	35.12	0.02	7.4	45
96-5-19	35.12	37.5	0.02	9.0	43
96-5-10	37.5	39.4	0.02	23.6	990
96-5-11	39.4	41.5	0.02	4.8	203
96-5-12	56.38	59.7	0.02	3.4	184
96-5-13	69.6	72.0	0.02	7.7	361
96-5-14	78.9	81.7	0.02	6.1	358
96-5-15	81.7	83.6	0.02	3.4	249
End of sampling					

SCALE = 1 : 500



INTERNATIONAL  
TOWER HILL MINES LTD.  
SIWASH SILVER PROJECT  
SECTION B - B  
(Looking South West)  
D.D.H. 96 - 5

Drawn: M.B. ASer. 12 Dec. 96 Figure. //

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SUMMARY OF EXPENSES

ITEM	UNIT COST	TOTAL COST
<u>DRILLING</u>		
DIAMOND DRILLING 670 M	@ 68.50	\$ 45947.30
FREIGHT ON SAMPLES TO CHEMEX	1.71	188.58
ASSAYING 110 SAMPLES BY CHEMEX	@ 24.94	2748.57
DRAFTING T SQUARE AND K BAKER AND PARK DRAFTING		898.81
SAMPLE BAGS XMAN HOLDINGS		141.53
MISC. ITEMS RENTAL OF GPS 38--370.75, 1X2 --27.91		398.66
MINERALS TITLE BR.		9.42
A B PAIGE CLAIM TITLE SEARCH FOR LEINS		200.00
<u>TRANSPORTATION</u>		
RENTAL OF 4X4 FROM BUDGET R WEEKS VISA		1162.94
RENTAL OF R WEEKS TRUCK		420.00
LOOMIS		15.00
<u>LODGING</u>		
SHELLEY GORDANIER 17 DAYS @ 94.39		1604.57
<u>LABOUR</u>		
R WEEKS 70.0 HOURS @ \$ 80.00		5600.00
SHELLEY GORDANIER 17 DAYS @ 350.00		5950.00
RHEA BUCHOLTZ 37.7 HOURS @ 20.00		870.00
<hr/>		
TOTAL		66155.38

<u>SUMMARY</u>			
DRILLING ETC.	\$ 50532.87	75.42 PER METRE	76.4 %
TRANSPORTATION	1597.94	2.38 PER METRE	0.02 %
LODGING	1604.57	2.39 PER METRE	0.02 %
LABOUR	12420.00	18.56 PER METRE	18.8 %
AVERAGE	66155.38	98.74 PER METRE	100.00 %

CERTIFICATE

I, ROSS MELVIN WEEKS , OF 1625 SMITHSON PLACE, KELOWNA, B C, DO HEREBY CERTIFY THAT;

I AM THE PRESIDENT AND OWNER OF R M W MINE EVALUATIONS LTD.

I AM A RETIRED FELLOW OF THE PROFESSIONAL ENGINEERS OF ONTARIO, A FELLOW OF THE GEOLOGICAL ASSOCIATION OF CANADA AND A MEMBER OF THE CIMM.

MY EDUCATION INCLUDES A B. A. IN GEOLOGY FROM ACADIA UNIVERSITY IN 1952 AND A MASTER OF SCIENCE IN GEOLOGY FROM DALHOUSIE UNIVERSITY IN 1963.

MY WORK EXPERIENCE IN THE GEOLOGICAL AND MINING FIELD WAS WITH NORANDA ASSOCIATED COMPANIES OVER A PERIOD OF THIRTY ONE YEARS. I WAS CHIEF GEOLOGIST AND PRODUCTION PLANNER AT QUEMONT MINING CORP. IN NORANDA QUEBEC. HELD THE POSITION OF RESEARCH GEOLOGIST AT THE HORNE MINE IN NORANDA. TRANSFERRED TO GECO IN 1969 WHERE I HELD THE POSITIONS OF CHIEF GEOLOGIST, CHIEF ENGINEER AND ASSISTANT MANAGER IN THAT ORDER. IN 1983 I BECAME THE MANAGER OF MINE PLANNING FOR THE NEW HEMLO GOLD MINE. THIS POSITION INCLUDED ALL GEOLOGICAL, PRODUCTION PLANNING, IN CHARGE OF ALL CONTRACTS FOR THE UNDERGROUND PORTION OF THE OPERATION.

IN 1985 I BECAME DIRECTOR OF EXPLORATION , ANSWERING DIRECTLY TO THE PRESIDENT OF MINING CORP. I REPORTED ON THE GEOLOGICAL AND MINING ACTIVITIES OF THE FOLLOWING MINES; GECO, HEMLO, MATTABI, LYON LAKE, BELL COPPER AND BRENDA MINES.

MY SPECIALTIES ARE; GEOLOGICAL EXPLORATION AND MINING, ORE RESERVES, MINE PLANNING AND PRODUCTION FORECASTING.

THE FOREGOING REPORT ON THE SIWASH CREEK PROPERTY IS FROM FIRST HAND KNOWLEDGE AS I WAS THE PLANNER AND EXECUTOR OF THIS PROGRAM. I WAS ABLY ASSISTED BY SHELLEY LOGAN GORDANIER IN THE LOGGING OF THE DRILL CORE.

I HOLD NO INTREST DIRECTLY OR INDIRECTLY ON THE MINERAL CLAIM COMPRISING THE SIWASH CREEK PROPERTY OF INTERNATIONAL TOWER HILL MINE LTD., NOR DO I EXPECT ANY SUCH INTEREST BECAUSE OF THIS REPORT.

PERMISSION IS HEREBY GRANTED TO USE THE FOREGOING REPORT IN SUPPORT OF A FILING FOR ASSESSMENT WORK TOWARD THE PROPERTY.

ROSS M WEEKS  
1625 SMITHSON PLACE  
KELOWNA, B C  
V1Y 8N5

## BIBLIOGRAPHY

ASSESSMENT REPORT 22413 ON THE JUNE 1-2, SASKAT 2, SKYE 2. BY J. C. STEPHEN FOR OWNER D AGUR. REPORT YEAR 1992, 111 PAGES. MINFILE 092HNE098, 092HNE178.

PAMACON DEVELOPMENTS LTD. GEOLOGICAL, GEROCHEMICAL AND TRENCHING REPORT ON SIWASH CREEK PROPERTY OF INTERNATIONAL TOWER HILL MINES LTD. JANUARY 1994.

ASSESSMENT REPORT 24294 ON THE 1995 DRILL PROGRAM FOR THE ED CLAIM WITHIN THE SIWASH CREEK PROPERTY OF INTERNATIONAL TOWER HILL MINES LTD..BY R G FRIESEN, MARCH 18, 1996.

Tenure#	Old Ten.#	MD	Claim Name	Type	Area	Tag #	Map #	Term Expiry	Termination
247202	16 3395	16	TO 19	MC2	1.000	602650M	092H01E-H		1993/APR/24 FORF
	Dates:		Recorded: 1990/APR/24			Effective: 1991/JUN/22		GTD: 1993/APR/24	
	Client:		127131 INTERNATIONAL TOWER	HILL MINES	LTD			100.0000%	
247203	16 3396	16	TO 20	MC2	1.000	602651M	092H01E-H		1993/APR/24 FORF
	Dates:		Recorded: 1990/APR/24			Effective: 1991/JUN/22		GTD: 1993/APR/24	
	Client:		127131 INTERNATIONAL TOWER	HILL MINES	LTD			100.0000%	
247204	16 3397	16	TO 21	MC2	1.000	602652M	092H01E-H		1993/APR/24 FORF
	Dates:		Recorded: 1990/APR/24			Effective: 1991/JUN/22		GTD: 1993/APR/24	
	Client:		127131 INTERNATIONAL TOWER	HILL MINES	LTD			100.0000%	
247205	16 3398	16	TO 22	MC2	1.000	602653M	092H01E-H		1993/APR/24 FORF
	Dates:		Recorded: 1990/APR/24			Effective: 1991/JUN/22		GTD: 1993/APR/24	
	Client:		127131 INTERNATIONAL TOWER	HILL MINES	LTD			100.0000%	
247206	16 3399	16	TO 23	MC2	1.000	602654M	092H01E-H		1993/APR/24 FORF
	Dates:		Recorded: 1990/APR/24			Effective: 1991/JUN/22		GTD: 1993/APR/24	
	Client:		127131 INTERNATIONAL TOWER	HILL MINES	LTD			100.0000%	
247207	16 3400	16	TO 24	MC2	1.000	602655M	092H01E-H		1993/APR/24 FORF
	Dates:		Recorded: 1990/APR/24			Effective: 1991/JUN/22		GTD: 1993/APR/24	
	Client:		127131 INTERNATIONAL TOWER	HILL MINES	LTD			100.0000%	
247208	16 3401	16	TO 25	MC2	1.000	602656M	092H01E-H		1993/APR/24 FORF
	Dates:		Recorded: 1990/APR/24			Effective: 1991/JUN/22		GTD: 1993/APR/24	
	Client:		127131 INTERNATIONAL TOWER	HILL MINES	LTD			100.0000%	
247209	16 3402	16	TO 26	MC2	1.000	602657M	092H01E-H		1993/APR/24 FORF
	Dates:		Recorded: 1990/APR/24			Effective: 1991/JUN/22		GTD: 1993/APR/24	
	Client:		127131 INTERNATIONAL TOWER	HILL MINES	LTD			100.0000%	
247210	16 3403	16	TO 27	MC2	1.000	602658M	092H01E-H		1993/APR/24 FORF
	Dates:		Recorded: 1990/APR/24			Effective: 1991/JUN/22		GTD: 1993/APR/24	
	Client:		127131 INTERNATIONAL TOWER	HILL MINES	LTD			100.0000%	
247211	16 3404	16	TO 28	MC2	1.000	602659M	092H01E-H		1993/APR/24 FORF
	Dates:		Recorded: 1990/APR/24			Effective: 1991/JUN/22		GTD: 1993/APR/24	
	Client:		127131 INTERNATIONAL TOWER	HILL MINES	LTD			100.0000%	
248600	18 171 X 18	18	FISSURE MAIDEN NO 2 FR	MCR	1.000	14687	092H16W-C		
	Dates:		Recorded: 1976/JUN/29			Effective: 1991/JUN/22		GTD: 2004/JUN/29	
	Client:		127131 INTERNATIONAL TOWER	HILL MINES	LTD			100.0000%	
248607	18 172 X 18	18	ED #2	MC4	2.000	14722	092H16W-C		
	Dates:		Recorded: 1976/NOV/22			Effective: 1991/JUN/22		GTD: 2005/NOV/22	
	Client:		127131 INTERNATIONAL TOWER	HILL MINES	LTD			100.0000%	
248608	18 368	18	SASKAT #1	MC2	1.000	437369	092H16W-C		
	Dates:		Recorded: 1978/JUN/29			Effective: 1991/JUN/22		GTD: 1998/JUN/29	
	Client:		127131 INTERNATIONAL TOWER	HILL MINES	LTD			100.0000%	
248637	18 369	18	SASKAT #2	MC2	1.000	437368	092H16W-C		
	Dates:		Recorded: 1978/JUN/29			Effective: 1991/JUN/22		GTD: 1998/JUN/29	
	Client:		127131 INTERNATIONAL TOWER	HILL MINES	LTD			100.0000%	
248638	18 370	18	JUNE #1	MC4	1.000	14770	092H09W-F		
	Dates:		Recorded: 1978/JUN/29			Effective: 1991/JUN/22		GTD: 1997/JUN/29	
	Client:		127131 INTERNATIONAL TOWER	HILL MINES	LTD			100.0000%	
248639	18 421	18	JUNE #2	MC4	8.000	14860	092H16W-E		
	Dates:		Recorded: 1978/SEP/01			Effective: 1991/JUN/22		GTD: 1998/SEP/01	
	Client:		127131 INTERNATIONAL TOWER	HILL MINES	LTD			100.0000%	
248669	18 445 X 18	18	V.M. NO. 1	MC2	1.000	175344M	092H16W-C		
	Dates:		Recorded: 1978/OCT/05			Effective: 1991/JUN/22		GTD: 2004/OCT/05	
	Client:		127131 INTERNATIONAL TOWER	HILL MINES	LTD			100.0000%	

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Appendix Page 1

MIDA - Production Environment  
Mineral/Placer/Coal Tenure Detail Report

Tenure#	Old Ten.#	MD	Claim Name	Type	Area	Tag #	Map #	Term Expiry	Termination
248681	18	446X 18	V.M. NO. 2	MC2	1.000	175345M	092H16W-C		
		Dates:	Recorded: 1978/OCT/05	Effective: 1991/JUN/22					
		Client:	127131 INTERNATIONAL TOWER	HILL MINES LTD				2004/OCT/05	100.0000%
248682	18	447X 18	V.M. NO. 3	MC2	1.000	175346M	092H16W-C		
		Dates:	Recorded: 1978/OCT/05	Effective: 1991/JUN/22					
		Client:	127131 INTERNATIONAL TOWER	HILL MINES LTD				2004/OCT/05	100.0000%
248683	18	448X 18	V.M. NO. 4	MC2	1.000	175347M	092H16W-C		
		Dates:	Recorded: 1978/OCT/05	Effective: 1991/JUN/22					
		Client:	127131 INTERNATIONAL TOWER	HILL MINES LTD				2004/OCT/05	100.0000%
248725	18	671X 18	JEAN #1	MC2	1.000	461114M	092H16W-C		
		Dates:	Recorded: 1979/JUL/26	Effective: 1991/JUN/22					
		Client:	127131 INTERNATIONAL TOWER	HILL MINES LTD				2005/JUL/26	100.0000%
248726	18	672X 18	JEAN #2	MC2	1.000	461113M	092H16W-C		
		Dates:	Recorded: 1979/JUL/26	Effective: 1991/JUN/22					
		Client:	127131 INTERNATIONAL TOWER	HILL MINES LTD				2005/JUL/26	100.0000%
249289	18	3079X 18	B & D	MC4	12.000	113739	092H16W-		
		Dates:	Recorded: 1988/JAN/04	Effective: 1991/JUN/22					
		Client:	127131 INTERNATIONAL TOWER	HILL MINES LTD				2004/JAN/04	100.0000%
249730	18	3594X 18	LON #1	MC2	1.000	616508M	092H16W-C		
		Dates:	Recorded: 1989/OCT/03	Effective: 1991/JUN/22					
		Client:	127131 INTERNATIONAL TOWER	HILL MINES LTD				2004/OCT/03	100.0000%
249731	18	3595X 18	LON #2	MC2	1.000	616509M	092H16W-C		
		Dates:	Recorded: 1989/OCT/03	Effective: 1991/JUN/22					
		Client:	127131 INTERNATIONAL TOWER	HILL MINES LTD				2004/OCT/03	100.0000%
249732	18	3596X 18	LON #3	MC2	1.000	616510M	092H16W-C		
		Dates:	Recorded: 1989/OCT/03	Effective: 1991/JUN/22					
		Client:	127131 INTERNATIONAL TOWER	HILL MINES LTD				2004/OCT/03	100.0000%
249733	18	3597X 18	LON #4	MC2	1.000	616511M	092H16W-C		
		Dates:	Recorded: 1989/OCT/03	Effective: 1991/JUN/22					
		Client:	127131 INTERNATIONAL TOWER	HILL MINES LTD				2004/OCT/03	100.0000%
249734	18	3598X 18	LON 5	MC2	1.000	616512M	092H16W-C		
		Dates:	Recorded: 1989/OCT/03	Effective: 1991/JUN/22					
		Client:	127131 INTERNATIONAL TOWER	HILL MINES LTD				2004/OCT/03	100.0000%
249735	18	3599X 18	LON #6	MC2	1.000	616513M	092H16W-C		
		Dates:	Recorded: 1989/OCT/03	Effective: 1991/JUN/22					
		Client:	127131 INTERNATIONAL TOWER	HILL MINES LTD				2004/OCT/03	100.0000%
249736	18	3600X 18	LON #7	MC2	1.000	616514M	092H16W-C		
		Dates:	Recorded: 1989/OCT/03	Effective: 1991/JUN/22					
		Client:	127131 INTERNATIONAL TOWER	HILL MINES LTD				2004/OCT/03	100.0000%
249737	18	3601X 18	LON #8	MC2	1.000	616515M	092H16W-C		
		Dates:	Recorded: 1989/OCT/03	Effective: 1991/JUN/22					
		Client:	127131 INTERNATIONAL TOWER	HILL MINES LTD				2004/OCT/03	100.0000%
249738	18	3602X 18	LON #9	MC2	1.000	616516M	092H16W-C		
		Dates:	Recorded: 1989/OCT/03	Effective: 1991/JUN/22					
		Client:	127131 INTERNATIONAL TOWER	HILL MINES LTD				2004/OCT/03	100.0000%
249739	18	3603X 18	LON #10	MC2	1.000	616517M	092H16W-C		
		Dates:	Recorded: 1989/OCT/03	Effective: 1991/JUN/22					
		Client:	127131 INTERNATIONAL TOWER	HILL MINES LTD				2004/OCT/03	100.0000%
250158	18M	8888X 18	PETERSON	MC2	1.000	347273	092H16W-C		
		Dates:	Recorded: 1961/FEB/06	Effective: 1991/JUN/22					
		Client:	127131 INTERNATIONAL TOWER	HILL MINES LTD				2004/FEB/06	100.0000%
<del>305506</del>	<del>305506</del>	<del>16</del>	<del>BELL #1</del>	<del>MC2</del>	<del>1.000</del>	<del>639631M</del>	<del>082E04W-E</del>	<del>1993/OCT/17</del>	<del>FORE</del>
		Dates:	Recorded: 1991/OCT/18	Effective: 1991/OCT/17					
		Client:	127131 INTERNATIONAL TOWER	HILL MINES LTD				1993/OCT/17	100.0000%

APPENDIX

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MIDA - Production Environment  
Mineral/Placer/Coal Tenure Detail Report

Tenure#	Old Ten.#	MD	Claim Name	Type	Area	Tag #	Map #	Term Expiry	Termination
305686	305686	16	ON 10	MC2	1.000	639650M	092H01E-H	1992/OCT/22	FORF
	Dates:		Recorded: 1991/OCT/24					GTD: 1992/OCT/22	
	Client:		127131 INTERNATIONAL TOWER HILL MINES LTD					100.0000%	
321384	321384	X18	LUCKY 1	MC2	1.000	652234M	092H16W-C		
	Dates:		Recorded: 1993/OCT/07					GTD: 2004/SEP/30	
	Client:		127131 INTERNATIONAL TOWER HILL MINES LTD					100.0000%	
322573	322573	18	BLUE 1	MC2	1.000	640810M	092H16W-C		
	Dates:		Recorded: 1993/NOV/18					GTD: 2004/NOV/10	
	Client:		127131 INTERNATIONAL TOWER HILL MINES LTD					100.0000%	
322574	322574	18	BLUE 2	MC2	1.000	640811M	092H16W-C		
	Dates:		Recorded: 1993/NOV/18					GTD: 2004/NOV/10	
	Client:		127131 INTERNATIONAL TOWER HILL MINES LTD					100.0000%	
322575	322575	18	BLUE 3	MC2	1.000	640813M	092H16W-C		
	Dates:		Recorded: 1993/NOV/18					GTD: 2004/NOV/10	
	Client:		127131 INTERNATIONAL TOWER HILL MINES LTD					100.0000%	
322576	322576	18	BLUE 4	MC2	1.000	640812M	092H16W-C		
	Dates:		Recorded: 1993/NOV/18					GTD: 2004/NOV/10	
	Client:		127131 INTERNATIONAL TOWER HILL MINES LTD					100.0000%	
322577	322577	18	BLUE 5	MC2	1.000	640814M	092H16W-C		
	Dates:		Recorded: 1993/NOV/18					GTD: 2004/NOV/10	
	Client:		127131 INTERNATIONAL TOWER HILL MINES LTD					100.0000%	
322578	322578	18	BLUE 6	MC2	1.000	640815M	092H16W-C		
	Dates:		Recorded: 1993/NOV/18					GTD: 2004/NOV/10	
	Client:		127131 INTERNATIONAL TOWER HILL MINES LTD					100.0000%	
323027	323027	18	BIG BOY 1	MC2	1.000	652065M	092H16W-C		
	Dates:		Recorded: 1993/DEC/22					GTD: 2004/DEC/15	
	Client:		127131 INTERNATIONAL TOWER HILL MINES LTD					100.0000%	
323028	323028	18	BIG BOY 2	MC2	1.000	652066M	092H16W-C		
	Dates:		Recorded: 1993/DEC/22					GTD: 2004/DEC/15	
	Client:		127131 INTERNATIONAL TOWER HILL MINES LTD					100.0000%	
323029	323029	18	BIG BOY 3	MC2	1.000	652067M	092H16W-C		
	Dates:		Recorded: 1993/DEC/22					GTD: 2004/DEC/15	
	Client:		127131 INTERNATIONAL TOWER HILL MINES LTD					100.0000%	
323030	323030	18	BIG BOY 4	MC2	1.000	655521M	092H16W-C		
	Dates:		Recorded: 1993/DEC/22					GTD: 2004/DEC/15	
	Client:		127131 INTERNATIONAL TOWER HILL MINES LTD					100.0000%	
323031	323031	18	BIG BOY 5	MC2	1.000	655522M	092H16W-C		
	Dates:		Recorded: 1993/DEC/22					GTD: 2004/DEC/15	
	Client:		127131 INTERNATIONAL TOWER HILL MINES LTD					100.0000%	
323032	323032	18	BIG BOY 6	MC2	1.000	655523M	092H16W-C		
	Dates:		Recorded: 1993/DEC/22					GTD: 2004/DEC/15	
	Client:		127131 INTERNATIONAL TOWER HILL MINES LTD					100.0000%	
323033	323033	18	BIG BOY 7	MC2	1.000	655524M	092H16W-C		
	Dates:		Recorded: 1993/DEC/22					GTD: 2004/DEC/15	
	Client:		127131 INTERNATIONAL TOWER HILL MINES LTD					100.0000%	
323034	323034	18	BIG BOY 8	MC2	1.000	655525M	092H16W-C		
	Dates:		Recorded: 1993/DEC/22					GTD: 2004/DEC/15	
	Client:		127131 INTERNATIONAL TOWER HILL MINES LTD					100.0000%	
323035	323035	18	BIG BOY 9	MC2	1.000	655526M	092H16W-C		
	Dates:		Recorded: 1993/DEC/22					GTD: 2004/DEC/15	
	Client:		127131 INTERNATIONAL TOWER HILL MINES LTD					100.0000%	
330485	330485	18	BLUE 7	MC2	1.000	659593M	092H16W-C		
	Dates:		Recorded: 1994/SEP/06					GTD: 2005/AUG/14	
	Client:		127131 INTERNATIONAL TOWER HILL MINES LTD					100.0000%	

APPENDIX  
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Tenure#	Old Ten.#	MD	Claim Name	Type	Area	Tag #	Map #	Term Expiry	Termination
331545	331545	18	BLUE 26	MC2	1.000	659947M	092H09W-F		
			Dates: Recorded: 1994/OCT/17	Effective: 1994/SEP/27			GTD: 2005/SEP/27		
			Client: 127131 INTERNATIONAL TOWER	HILL MINES LTD			100.0000%		
331546	331546	18	BLUE 27	MC2	1.000	659948M	092H09W-F		
			Dates: Recorded: 1994/OCT/17	Effective: 1994/SEP/27			GTD: 2005/SEP/27		
			Client: 127131 INTERNATIONAL TOWER	HILL MINES LTD			100.0000%		
331547	331547	18	BLUE 28	MC2	1.000	659949M	092H16W-F		
			Dates: Recorded: 1994/OCT/17	Effective: 1994/SEP/27			GTD: 2005/SEP/27		
			Client: 127131 INTERNATIONAL TOWER	HILL MINES LTD			100.0000%		
331548	331548	18	BLUE 29	MC2	1.000	659950M	092H16W-F		
			Dates: Recorded: 1994/OCT/17	Effective: 1994/SEP/27			GTD: 2005/SEP/27		
			Client: 127131 INTERNATIONAL TOWER	HILL MINES LTD			100.0000%		
332426	332426	18	BLUE 30	MC2	1.000	659596M	092H16W-C		
			Dates: Recorded: 1994/NOV/10	Effective: 1994/OCT/26			GTD: 2006/OCT/26		
			Client: 127131 INTERNATIONAL TOWER	HILL MINES LTD			100.0000%		
332427	332427	18	BLUE 31	MC2	1.000	659597M	092H16W-C		
			Dates: Recorded: 1994/NOV/10	Effective: 1994/OCT/26			GTD: 2006/OCT/26		
			Client: 127131 INTERNATIONAL TOWER	HILL MINES LTD			100.0000%		
339364	339364	18	CUSH 1	MC2	1.000	667711M	092H16W-C		
			Dates: Recorded: 1995/SEP/01	Effective: 1995/AUG/14			GTD: 2006/AUG/14		
			Client: 127131 INTERNATIONAL TOWER	HILL MINES LTD			100.0000%		
339365	339365	18	CUSH 2	MC2	1.000	667712M	092H16W-C		
			Dates: Recorded: 1995/SEP/01	Effective: 1995/AUG/14			GTD: 2006/AUG/14		
			Client: 127131 INTERNATIONAL TOWER	HILL MINES LTD			100.0000%		
339366	339366	18	CUSH 3	MC2	1.000	667713M	092H16W-C		
			Dates: Recorded: 1995/SEP/01	Effective: 1995/AUG/14			GTD: 2006/AUG/14		
			Client: 127131 INTERNATIONAL TOWER	HILL MINES LTD			100.0000%		
339367	339367	18	CUSH 4	MC2	1.000	667714M	092H16W-C		
			Dates: Recorded: 1995/SEP/01	Effective: 1995/AUG/14			GTD: 2006/AUG/14		
			Client: 127131 INTERNATIONAL TOWER	HILL MINES LTD			100.0000%		
339368	339368	18	CUSH 5	MC2	1.000	667715M	092H16W-C		
			Dates: Recorded: 1995/SEP/01	Effective: 1995/AUG/14			GTD: 2006/AUG/14		
			Client: 127131 INTERNATIONAL TOWER	HILL MINES LTD			100.0000%		
339369	339369	18	CUSH 6	MC2	1.000	667716M	092H16W-C		
			Dates: Recorded: 1995/SEP/01	Effective: 1995/AUG/14			GTD: 2006/AUG/14		
			Client: 127131 INTERNATIONAL TOWER	HILL MINES LTD			100.0000%		
339370	339370	18	CUSH 7	MC2	1.000	667717M	092H16W-C		
			Dates: Recorded: 1995/SEP/01	Effective: 1995/AUG/14			GTD: 2006/AUG/14		
			Client: 127131 INTERNATIONAL TOWER	HILL MINES LTD			100.0000%		
339371	339371	18	CUSH 8	MC2	1.000	667718M	092H16W-C		
			Dates: Recorded: 1995/SEP/01	Effective: 1995/AUG/14			GTD: 2006/AUG/14		
			Client: 127131 INTERNATIONAL TOWER	HILL MINES LTD			100.0000%		
339372	339372	18	CUSH 9	MC2	1.000	667719M	092H16W-C		
			Dates: Recorded: 1995/SEP/01	Effective: 1995/AUG/14			GTD: 2006/AUG/14		
			Client: 127131 INTERNATIONAL TOWER	HILL MINES LTD			100.0000%		
339373	339373	18	CUSH 10	MC2	1.000	667720M	092H16W-C		
			Dates: Recorded: 1995/SEP/01	Effective: 1995/AUG/14			GTD: 2006/AUG/14		
			Client: 127131 INTERNATIONAL TOWER	HILL MINES LTD			100.0000%		
339374	339374	18	CUSH 11	MC2	1.000	667762M	092H16W-C		
			Dates: Recorded: 1995/SEP/01	Effective: 1995/AUG/16			GTD: 2006/AUG/16		
			Client: 127131 INTERNATIONAL TOWER	HILL MINES LTD			100.0000%		
339375	339375	18	CUSH 12	MC2	1.000	667763M	092H09W-F		
			Dates: Recorded: 1995/SEP/01	Effective: 1995/AUG/16			GTD: 2006/AUG/16		
			Client: 127131 INTERNATIONAL TOWER	HILL MINES LTD			100.0000%		

APPENDIX Page 4

Tenure#	Old Ten.#	MD	Claim Name	Type	Area	Tag #	Map #	Term Expiry	Termination
330490	330490	18	BLUE 9	MC2	1.000	659595M	092H16W-C		
	Dates:		Recorded: 1994/SEP/06					Effective: 1994/AUG/14	GTD: 2005/AUG/14
	Client:		127131 INTERNATIONAL TOWER	HILL MINES	LTD				100.0000%
330491	330491	18	BLUE 8	MC2	1.000	659594M	092H16W-C		
	Dates:		Recorded: 1994/SEP/06					Effective: 1994/AUG/14	GTD: 2005/AUG/14
	Client:		127131 INTERNATIONAL TOWER	HILL MINES	LTD				100.0000%
331198	331198	18	BLUE 12	MC2	1.000	659601M	092H16W-C		
	Dates:		Recorded: 1994/OCT/05					Effective: 1994/SEP/15	GTD: 2005/SEP/15
	Client:		127131 INTERNATIONAL TOWER	HILL MINES	LTD				100.0000%
331199	331199	18	BLUE 13	MC2	1.000	659602M	092H16W-C		
	Dates:		Recorded: 1994/OCT/05					Effective: 1994/SEP/15	GTD: 2005/SEP/15
	Client:		127131 INTERNATIONAL TOWER	HILL MINES	LTD				100.0000%
331200	331200	18	BLUE 10	MC2	1.000	659599M	092H16W-C		
	Dates:		Recorded: 1994/OCT/05					Effective: 1994/SEP/15	GTD: 2005/SEP/15
	Client:		127131 INTERNATIONAL TOWER	HILL MINES	LTD				100.0000%
331201	331201	18	BLUE 11	MC2	1.000	659600M	092H16W-C		
	Dates:		Recorded: 1994/OCT/05					Effective: 1994/SEP/15	GTD: 2005/SEP/15
	Client:		127131 INTERNATIONAL TOWER	HILL MINES	LTD				100.0000%
331533	331533	18	BLUE 14	MC2	1.000	659935M	092H16W-F		
	Dates:		Recorded: 1994/OCT/17					Effective: 1994/SEP/27	GTD: 2005/SEP/27
	Client:		127131 INTERNATIONAL TOWER	HILL MINES	LTD				100.0000%
331534	331534	18	BLUE 15	MC2	1.000	659936M	092H16W-F		
	Dates:		Recorded: 1994/OCT/17					Effective: 1994/SEP/27	GTD: 2005/SEP/27
	Client:		127131 INTERNATIONAL TOWER	HILL MINES	LTD				100.0000%
331535	331535	18	BLUE 16	MC2	1.000	659937M	092H16W-F		
	Dates:		Recorded: 1994/OCT/17					Effective: 1994/SEP/27	GTD: 2005/SEP/27
	Client:		127131 INTERNATIONAL TOWER	HILL MINES	LTD				100.0000%
331536	331536	18	BLUE 17	MC2	1.000	659938M	092H16W-F		
	Dates:		Recorded: 1994/OCT/17					Effective: 1994/SEP/27	GTD: 2005/SEP/27
	Client:		127131 INTERNATIONAL TOWER	HILL MINES	LTD				100.0000%
331537	331537	18	BLUE 18	MC2	1.000	659939M	092H16W-F		
	Dates:		Recorded: 1994/OCT/17					Effective: 1994/SEP/27	GTD: 2005/SEP/27
	Client:		127131 INTERNATIONAL TOWER	HILL MINES	LTD				100.0000%
331538	331538	18	BLUE 19	MC2	1.000	659940M	092H16W-F		
	Dates:		Recorded: 1994/OCT/17					Effective: 1994/SEP/27	GTD: 2005/SEP/27
	Client:		127131 INTERNATIONAL TOWER	HILL MINES	LTD				100.0000%
331539	331539	18	BLUE 20	MC2	1.000	659941M	092H16W-F		
	Dates:		Recorded: 1994/OCT/17					Effective: 1994/SEP/27	GTD: 2005/SEP/27
	Client:		127131 INTERNATIONAL TOWER	HILL MINES	LTD				100.0000%
331540	331540	18	BLUE 21	MC2	1.000	659942M	092H09W-F		
	Dates:		Recorded: 1994/OCT/17					Effective: 1994/SEP/27	GTD: 2005/SEP/27
	Client:		127131 INTERNATIONAL TOWER	HILL MINES	LTD				100.0000%
331541	331541	18	BLUE 22	MC2	1.000	659943M	092H09W-F		
	Dates:		Recorded: 1994/OCT/17					Effective: 1994/SEP/27	GTD: 2005/SEP/27
	Client:		127131 INTERNATIONAL TOWER	HILL MINES	LTD				100.0000%
331542	331542	18	BLUE 23	MC2	1.000	659944M	092H09W-F		
	Dates:		Recorded: 1994/OCT/17					Effective: 1994/SEP/27	GTD: 2005/SEP/27
	Client:		127131 INTERNATIONAL TOWER	HILL MINES	LTD				100.0000%
331543	331543	18	BLUE 24	MC2	1.000	659945M	092H09W-F		
	Dates:		Recorded: 1994/OCT/17					Effective: 1994/SEP/27	GTD: 2005/SEP/27
	Client:		127131 INTERNATIONAL TOWER	HILL MINES	LTD				100.0000%
331544	331544	18	BLUE 25	MC2	1.000	659946M	092H09W-F		
	Dates:		Recorded: 1994/OCT/17					Effective: 1994/SEP/27	GTD: 2005/SEP/27
	Client:		127131 INTERNATIONAL TOWER	HILL MINES	LTD				100.0000%

Tenure#	Old Ten.#	MD	Claim Name	Type	Area	Tag #	Map #	Term Expiry	Termination
339376	339376	18	CUSH 13	MC2	1.000	667764M	092H09W-F		
	Dates:		Recorded: 1995/SEP/01	Effective: 1995/AUG/16			GTD: 2006/AUG/16		
	Client:		127131 INTERNATIONAL TOWER HILL MINES LTD						
339805	339805	18	BLUE 34	MC2	1.000	667767M	092H16W-C		
	Dates:		Recorded: 1995/SEP/18	Effective: 1995/AUG/30			GTD: 2006/AUG/30		
	Client:		127131 INTERNATIONAL TOWER HILL MINES LTD						
339806	339806	18	BLUE 35	MC2	1.000	667721M	092H16W-C		
	Dates:		Recorded: 1995/SEP/18	Effective: 1995/AUG/30			GTD: 2006/AUG/30		
	Client:		127131 INTERNATIONAL TOWER HILL MINES LTD						
339807	339807	18	BLUE 36	MC2	1.000	659598M	092H16W-C		
	Dates:		Recorded: 1995/SEP/18	Effective: 1995/AUG/30			GTD: 2006/AUG/30		
	Client:		127131 INTERNATIONAL TOWER HILL MINES LTD						
339808	339808	18	BLUE 37	MC2	1.000	667765M	092H16W-C		
	Dates:		Recorded: 1995/SEP/18	Effective: 1995/AUG/30			GTD: 2006/AUG/30		
	Client:		127131 INTERNATIONAL TOWER HILL MINES LTD						
339809	339809	18	BLUE 38	MC2	1.000	667766M	092H16W-C		
	Dates:		Recorded: 1995/SEP/18	Effective: 1995/AUG/30			GTD: 1997/AUG/30		
	Client:		127131 INTERNATIONAL TOWER HILL MINES LTD						
342576	342576	18	BING 1	MC4	12.000	208081	092H16W-C		
	Dates:		Recorded: 1995/DEC/20	Effective: 1995/DEC/14			GTD: 1996/DEC/14		
	Client:		127131 INTERNATIONAL TOWER HILL MINES LTD						

133 Tenures Listed

APPENDIX Page 6

INTERNATIONAL TOWER HILL MINES LTD  
SIWASH COPPER PROPERTY

FILE DDH961

HOLE NUMBER 96-1

PAGE 1 OF

LOCATION GRID NORTH 48 + 95  
GRID EAST 50 + 75  
ELEVATION 1390 M  
AZMUTH 90 DEG.  
DIP - 45 DEG

GPS NORTHING 0692698  
EASTING 5518205  
ELEVATION 1390 M

DRILL STARTED OCT 15, COMPLETED OCT 19, 1996

ALL MEASUREMENTS ARE METRIC.

0.0 - 1.2

0.0 - 1.2 OVERBURDEN

1.2 - 150.0

1.2 - 150.0 GRANODIORITE UNIT

1.2 - 16.0 GRANODIORITIC BRECCIA,  
THIS UNIT AS A WHOLE IS STRONGLY CHLORITIZED WITH MOST FELDSPARS  
WEAKLY ALTERED. FRAGMENTS ARE PREDOMINATELY GRANITIC AND RANGE IN  
SIZE FROM 0.1 TO 4.0 CM. THE FRACTURES AT 45 DFEG TO CORE  
PREDOMINATE OVER THOSE THAT ARE SUB PARALLEL TO CORE.

AT 5.0 3 CM WIDE GOUGE ZONE AT 45 DEG TO CORE

AT 7.9 4 CM WIDE GOUGE ZONE 40 DEG TO CORE

AT 20.0 FRACTURE AT 20 DEG TO CORE CARRYING SPECULAR HEMATITE  
AND MINOR PYRITE AND CHALCOPYRITE.

VERY FINE GRAINED PYRITE AND CHALCOPYRITE LOCATED IN THE GOUGE AT  
5.0 AND 15.0.

16.0 - 40.0 MEDIUM GARAINED WITH OCCASIONAL FRAGMENTS,  
CHLORITIZATION DECREASES WITH DEPTH. HEMATITE ALTERATION  
BECOMMING MORE PRONOUNCED.

AT 27.2 AND 28.3 20 CM WIDE BASIC DYKES AT 20 DEGREES TO CORE,  
MAY BE LARGE FRAGMENTS.

NARROW CHALCOPYRITE STRINGERS AT 15 DEGREES TO CORE.

THERE ARE MANY 0.1 TO 4 MM WIDE SPECULAR HEMATITE VEINS SOME OF  
WHICH CONTAIN MINOR CHALCOPYRITE.

0.5 TO 3.0 CM WIDE GOUGE ZONES CONTAINING SPECULAR HEMATITE AND  
CHALCOPYRITE AT 34.8, 36.65, AND 36.85.

40.0 - 44.5 VERY FINE INTRUSIVE ? MINOR SPECULAR HEMATITE IN THE  
FORM OF SPIDER WEBS.

42.4 - 43.0 FAULT GOUGE ZONE AQT 45 DEG. TO CORE, CONTAINS MINOR  
HEMATITE.

44.5 - 46.7 GRANODIORITE AS BEFORE.

46.6 - 68.5 AS 40.0 - 44.5. VERY FINE GRAINED SPECULAR HEMATITE ON FRACTURES AT 45 DEG. TO CORE. SPECULAR HEMATITE ACCOMPANIED BY MINOR CHALCOPYRITE.

AT 57.0 4 MM WIDE VEIN OF HEMATITE AT 30 DEG TO CORE.

AT 65.7 HEMATIZED GOUGE ZONE.

65.7 - 66.2 SHEAR ZONE PARALLEL TO SUB - PARALLEL TO CORE ( TRUE THICKNESS 5 CM))ZONE CONTAINS LAMINATED QUARTZ / HEMATITE AND CHALCOPYRITE .

68.5 - 150.0 GRANODIORITE GRANODIORITE AS 44.5 TO 46.7

VERY CHLORITIZED, NO MAFIC MINERALS DISTINGUISHABLE. UNIT IS CUT BY NUMEROUS 0.1 TO 1.0 CM WIDE SPECULAR HEMATITE VEINLETS. FRACTURE AND SHEAR ZONE ARE COVERED BY HEMATITE. MINOR SULPHIDES FOUND THROUGHOUT.

PEGMATITE- THERE ARE MANY 0.5 TO 15.0 CM WIDE INTERSECTIONS OF MEDIUM TO COARSE GRAINED QUART / PINK FELDSPAR. THESE APPEAR TO BE DYKES.

150.0 END OF HOLE.

#### FRACTURES

49.0 TO 50.0 148 FRACTURES, ABOUT 100 AT 30 - 40 DEG TO CORE. ABOUT 35 AT 70 DEG TO CORE AND ABOUT 143 AT 15 DEG TO CORE.

99.0 - 100.0 11 FRACTURES. 7 AT 30 TO 40 DEG TO CORE, 3 AT 80 DEG TO CORE AND 1 AT 60 DEG TO CORE.

149.0 - 150.0 22 FRACTURES, 18 AT 30 DEG TO CORE, 3 ARE SUB PARALLEL TO CORE, 4 AT 70 DEG TO CORE.

#### SAMPLING

SAMPLE #	FROM	TO
96-1-1	7.0	10.0
96-1-2	40.3	43.3
96-1-3	65.0	68.0
96-1-4	68.0	71.0
96-1-5	128.2	131.2

INTERNATIONAL TOWER HILL MINES LTD  
SIWASH COPPER PROPERTY

FILE DDH962

HOLE NUMBER 96-2

PAGE 1 OF 3

LOCATION      GRID NORTH      50 + 13  
              GRID EAST        51 + 75  
              ELEVATION        1370 M  
              AZMUTH        90 DEGREES  
              DIP            - 45 DEGREES  
HOLE SIZE    NQ        STARTED OCT 20, FINISH OCT 24, 1996

GPS NORTHING    NO GPS POSITION POSSIBLE  
EASTING  
ELEVATION

0.0 - 4.27

0.0 - 4.27 OVERBURDEN

4.27 - 102.7

4.27 - 102.7 GRANODIORITE / DIORITE UNIT. MEDIUM GRAINED, LEUCOCRATIC TO MELANOCRATIC, MOTTLED. CHLORITIC AND KAOLINITIC ALTERATION STRONG IN PLACES. SURFACE WEATHERING EXTENDS TO 10.6 METRES AND IS CHARACTERIZED BY LIMONITIC STAINING.

9.0 - 11.9 DARK GREY CLAY GOUGE AT 15 DEG TO CORE, MINOR CHALCOPYRITE, PYRITE AND SPECULAR HEMATITE EVIDENT.

14.85 - 16.8 HIGHLY FRACTURED BY FRACTURES AT 35, 45 AND 70 DEG TO CORE, FINE GRAINED SULPHIDES EVIDENT.

19.7 - 23.0 FAULT ZONE WITH CLAY GOUGE, SOME SULPHIDES.

AT 32.4 AND 33.1 3 - 4 MM WIDE QUARTZ VEINLETS AT 15 DEG TO CORE. QUARTZ VEINS, 0.1 TO 1.0 CM, WITH OR WITHOUT HEMATITE AT 44.5, 44.65, 45.6, 46.479.75 AND 89.05.

FROM 67.0 TO 102.7 NARROW ( 2.5 - 6.0 CM WIDE) PEGMATITE DYKES AT 70 DEG TO CORE, FELDSPAR IS PINK AND COARSE GRAINED.

102.7 - 106.0

102.7 - 106.0 PEGMATITE DYKE, MEDIUM GRAINED, K FELDSPAR CONTENT GREATER THAN QUARTZ.

106.0 - 150.0

106.0 - 150.0 GRANODIORITE / DIORITE UNIT AS 4.27 - 102.7. SMALL PEGMATITE VEINS EVIDENT, MINOR CHALCOPYRITE IN PLACES.

SILICEOUS HEMATITE VEINLETS INCREASE IN NUMBER TOWARD THE END OF THE HOLE AND CORING ANGLES ON THESE VEINLETS IS ABOUT 15 DEGREES TO CORE.

140.0 - 149.35 SPECULAR HEMATITE VEINS AT 15 DEGREES TO CORE. THE VEINLETS ARE PARALLEL TO EACH OTHER EVIDENCED BY PARALLELISM WHEN THE CORE WAS PUT BACK TOGETHER. BECAUSE OF THE CORING ANGLE AND THE TRUE WIDTH OF COUNTRY ROCK BETWEEN THE VEINS, THE VEINS WERE SAMPLED SEPARATE FROM THE COUNTRY ROCK.

149.35 END OF HOLE

SAMPLE #	SAMPLING		ROCK TYPE
	FROM	TO	
96-2-1	16.0	19.0	THIN HEMATITE VEINLETS
96-2-20	68.0	69.3	
96-2-19	69.3	70.6	
96-2-2	70.6	71.48	SOME QUARTZ FLOODING
96-2-21	71.48	73.0	
96-2-22	73.0	74.2	
96-2-3	79.75	79.78	QUARTZ VEIN
96-2-23	83.7	86.8	
96-2-24	86.8	87.5	
96-2-4	87.5	89.0	GRANODIORITE
96-2-5	89.0	89.015	QUARTZ/HEMATITE VEIN
96-2-6	89.015	90.5	GRANODIORITE
96-2-7	139.0	140.0	5 % HEMATITE VEINLETS
96-2-8	140.0	140.025	QUARTZ/HEMATITE VEIN
96-2-9	140.025	140.5	GRANODIORITE
96-2-10	140.5	140.520	MASSIVE QUARTZ, PY & CPY
96-2-11	140.520	140.7	GRANODIORITE
96-2-12	140.7	140.72	QUARTZ/HEMATITE VEIN
96-2-13	140.72	142.5	GRANODIORITE
96-2-14	142.5	142.51	QUARTZ/HEMATITE VEIN
96-2-15	142.51	144.7	GRANODIORITE
96-2-16	144.7	146.9	GRANODIORITE
96-2-17	146.9	146.96	QUARTZ/HEMATITE VEIN
96-2-18	146.96	149.35	GRANODIORITE

FRACTURES

49.0 - 50.0 25 FRACTURES. 6 AT 70 DEG, 10 AT 45 DEG, 6 AT 15 DEG AND 3 AT 30 DEG TO CORE.

99.0 - 100.0 16 FRACTURES. 4 AT 70 DEG, 5 AT 45 DEG, 4 AT 15 DEG AND 3 AT 30 DEG TO CORE.

148.0 - 149.0 23 FRACTURES. 6 AT 70 DEG, 5 AT 45 DEG, 10 AT 15 DEG AND 2 AT 30 DEG TO CORE.

SIWASH COPPER DDH 96-2 PAGE 3 OF 3

RESAMPLE OF 96-2 FROM 139.0 - 149.35  
AND MARKED 96-6-1 TO 96-6-12

96-6-1	139.0	140.0
96-6-1	140.0	140.025
96-6-3	140.025	140.5
96-6-4	140.5	140.52
96-6-5	140.52	140.7
96-6-6	140.7	140.72
96-6-7	140.72	142.5
96-6-8	142.5	142.51
96-6-9	142.51	144.7
96-6-10	144.7	146.9
96-6-11	146.9	146.96
96-6-12	146.96	149.35



INTERNATIONAL TOWER HILL MINES LTD  
SIWASH COPPER PROPERTY

FILE DDH963

HOLE NUMBER 96 - 3

LOCATION      GRID NORTH      51 + 00 N  
              GRID EAST        52 + 75 E  
              ELEVATION        1400 METRES  
              AZMUTH          90 DEGREES  
              DIP              - 45 DEGREES

GPS NORTHING      0692738  
          EASTING        5518887  
          ELEVATION      1400 METRES

DRILLED START OCT 24/96  
              FINISH OCT 27/96  
CORE SIZE      NQ

0.0 - 4.27

0.0 - 4.27 OVERBURDEN

4.27 - 150.27

4.27 - 150.27 GRANODIORITE . LECUOCRATIC TO MELANOCRATIC. MINOR CHLORITIC ALTERATION. CONTAINS SOME ZENOLITHS OF FINE GRAINED META-SEDIMENTS OR VOLCANICS. MOST FRACTURES ARE COATED WITH A SICKENSIDE OF RED HEMATITE. SOME HEMATITE OCCURS AS VEINLETS.  
19.35 - 22.35 MINOR SULPHIDES, 61.6 - 62.6 HIGHLY CHLORITIC. 62.6 - 63.1 FAULT GOUGE, 63.1 - 64.1 MINOR SULPHIDES 97.0 - 100.0 SPECULAR HEMATITE CEMENTING GRANITIC FRAGMENTS, 124.3 - 124.5 VEINLETS OF HEMATITE AND QUARTZ, 126.0 - 126.1 QUARTZ/HEMATITE VEIN, 129.1 - 129.5 VEIN OF SHEARED QUARTZ, 129.5 - 133.7 MANY SMALL VEINLETS OF HEMATITE, 137.0 - 150.27 HIGHLY ALTERED , SHEARED CONTAINING 3 TO 5 % HEMATITE THROUGHOUT. QUARTZ/HEMATITE VEINS 143.8 - 144.0 AND 149.1 - 149.2.

END OF HOLE 150.27

#### FRACTURES

49.0 - 50.0 36 FRACTURES 11 AT 15 DEG, 8 AT 30 DEG, 11 AT 45 DEG AND 6 AT 70 DEG TO CORE

99.0 - 100.0 28 FRACTURES 13 AT 25 DEG, 3 SUB-PARALELL, 7 AT 45 DEG, 2 AT 70 DEG AND 3 AT 15 SDEG TO CORE.

149.0 - 150.0 42 FR4ACTURES, 20 AT 20 DEG, 8 AT 45 DEG, 10 AT 30 DEG AND 4 AT 70 DEG TO CORE.

## SIWASH COPPER DDH 96 - 3 PAGE 2 OF 2

	SAMPLING	
SAMPLE #	FROM	TO
96-3-1	19.35	22.35
96-3-2	61.6	62.6
96-3-3	62.6	63.1
96-3-4	63.1	64.1
96-3-5	97.0	100.0
96-3-6	123.3	124.3
96-3-7	124.3	124.5
96-3-8	124.5	126.0
96-3-9	126.0	126.1
96-3-10	126.1	129.1
96-3-11	129.1	129.5
96-3-12	129.5	131.8
96-3-13	131.8	132.7
96-3-14	132.7	133.7
96-3-22	133.7	135.6
96-3-23	135.6	137.9
96-3-15	137.9	140.8
96-3-16	140.8	143.8
96-3-17	143.8	144.0
96-3-18	144.0	146.45
96-3-19	146.45	149.1
96-3-20	149.1	149.2
96-3-21	149.2	150.27

INTERNATIONAL TOWER HILL MINES LTD  
 SIWASH COPPER PROPERTY  
 CAMP ZONE

FILE DDH964

HOLE NUMBER 96 - 4

PAGE 1 OF 3

LOCATION 37 M AT AN AZIMUTH OF 44 DEGREES FROM THE 0 + 70  
 STATION IN THE CAMP ZONE TRENCH. THE TRENCH IS DIRECTLY WEST OF  
 THE SPOT WHERE THE ROAD FORDS SIWASH CREEK.

ELEVATION 1134M  
 AZMUTH 224 DEG.  
 DIP -- 45 DEG.

GPS NORTHING 692742  
 EASTING 5515500  
 ELEVATION 1134 M HOLE SIZE NQ, START OCT 27, FINISH NOV1/96

ALL MEASUREMENTS ARE METRIC

4.27 - 130.0

4.27 - 130.0 MAJOR FAULT ZONE WITH LARGE SECTIONS OF GOUGE. THE  
 FAULT IS THE WESTERN PORTION IOF THE FAULT UNDER SIWASH CREEK, (   
 SIWASH FAULT ).

0.0 - 4.27

0.0 - 4.27 OVERBURDEN

4.27 - 23.0

4.27 - 23.0 FAULT BRECCIA , VERY ALTERED AND CHLORITIC, NUMEROUS  
 INTERSECTIONS OF CLAYEY GOUGE, FRACTURES 50 TO 70 FEGREES TO  
 COREMOST FRACTURES HAVE SLICKENSIDES AND RED HEMATITE COATINGS.  
 AT 8.45 - 5 CM K SPAR VEIN 20 DEG. TO CORE.  
 AT 9.9 GRANITIC MONZONITE VEINE WITH SMALL CPY / PY BLEBS.  
 12.0 - 14.0 HAIRLINE CALCITE VEINLETS, AT 10 AND 70 DEG. TO CORE,  
 BARREN, APPROXIMATELY 2 VEINS PER METRE.  
 17.5 - 19.81 FAULT GOUGE WITH SMALL FRAGMENTS, SOME FRAGMENTS ARE  
 HEMATIZED, MOST OF SECTION IS CHLORITIC.  
 AT 22.0 MINOR FELDSPAR AND CALCITE VEINLETS

23.0 - 28.65

23.0 - 28.65 GRANODIORITE / DIORITE MEDIUM TO COARSE GRAINED,  
 EQUIGRANULAR , CHLORITIZED. UNIT CUT BY NUMEROUS 1 - 4 MILLIMETER  
 QUARTZ VEINS.THERE ARE ALSO DARK SWILICEOUS VEINS UP TO 5 MM  
 WIDE. MOST FRACTURING AND SHEASRING IS 30 - 45 DEG. TO CORE.  
 AT 26.7 1 CM WIDE DARK SILICEOUS VEIN CONTAINING PYRIT, GALENA  
 AND HEMATITE.

28.65 - 33.6

28.65 - 33.6 GRANITIC UNIT.CROSSCUT AT 45 DEGREES TO CORE BY  
 HAIRLINE HEMATITE VEINLETS. MINOR PYRITE AND GALENA PRESENT.  
 TYHERE IS THE ODD NARROW DARK SILICEOUS VEINLET ALSO PRESENT.IN  
 SOME AREAS SUCH AS AT 32.7 FRACTURING HAS CAUSED A BRECCIA  
 TEXTURE.

SIWASH COPPER DDH 96 -4 PAGE 2 OF 3

33.6 - 40.2

33.6 - 40.2 GRANODIORITE / DIORITE UNIT AS ABOVE  
 AT 35.5 8 CM VEIN OF MASSIVE QUARTZ, BARREN  
 AT 38.4 3 MM QUARTZ/LIMONITE VEIN 50 DEGREES TO CORE.

40.2 - 48.8

40.2 - 47.6 GRANITIC UNIT, AS BEFORE. CONTACT AT 60 DEGREES TO CORE, MAFICS APPEAR TO BE BIOTITE / CHLORITE WHERE THE GROUNDMASS IS FRESHER.  
 AT 41.5 CORING ANGLE BECOME 45 DEGREES TO CORE AT LOWER CONTACT QUARTZ VEINS CONTAIN PYRITE AND CHALCOPYRITE.  
 AT 48.8 TWO 5 MM SPECULAR HEMATITE VEINLETS CUTTING CORE AT 70 DEGREES, VEINLETS ARE 5 CM WIDE AND 2 CM APART.  
 FROM 47.6 TO 48.2 A 0.6 METRE ZONE OF MUD STONE OR BASIC DYKE SUCH AS DIABASE WITH SHARP CONTACTS AT 45 DEGREES TO CORE.  
 AT 48.2 A 5 CM WIDE QUARTZ VEIN CARRYING PYRITE AND CHALCOPYRITE, ZONE IS BROKEN BY DRILL BLOCK.  
 AT 48.8 TWO NARROW HEMATITE VEINLETS AT 70 DEGREES TO CORE

48.8 - 61.72

48.8 - 61.72 GRANODIORITE UNIT. HIGHLY FRACTURED AND BRECCIATED THROUGHOUT. CHLORITIC, GREENISH GREY UNIT. HIGHLY FRACTURED WITH LARGE AMOUNTS OF CLAY GOUGE ( PART OF THE MAJOR FAULT UNDER THE CAMP SHOW ). 50.29 TO 50.85 FRACTURES 10 - 30 DEGREES TO CORE, VERY FINE QUARTZ VEINLETS, AS A BRECCIA, WITH SOME FELDSPAR ( PEGMATITE DYKE ? ) MINOR FINE GRAINED PYRITE.  
 AT 52.75, 53.0, 54.6, 54.7 AND 55.3 NARROW ( 0.5 - 1.5 CM ) SILICEOUS HEMATITE VEINS AT 25 DEGREES TO CORE, MINOR PYRITE AND CHALCOPYRITE BLEBS.

61.72 - 77.20

61.7 - 77.20 GRANITIC UNIT. MEDIUM GRAINED PHANERITIC, LEUCOCRATIC. MINOR CHLORITIC ALTERATION AND KAOLINIZATION OF FELDSPARS.  
 AT 65.3 AND 71.5 4 MM HEMATITE VEINS AT 20 DEGREES TO CORE.  
 AT 65.85 BLEB OF CHALCOPYRITE AND PYRITE IN A FRACTURE AT 20 DEGREES TO CORE.  
 AFTER 67.3 GRANITE BECOMES LESS ALTERED AND FRACTURED. YET THERE ARE NUMEROUS CLAY FILLED FAULT ZONE AT 70 - 80 DEGREES TO CORE.

77.2 - 130.0

77.2 - 130.0 GRANODIORITE UNIT. THIS UNIT IS ALTERED AND PARTIALLY GNEISSIC. FROM 77.2 - 99.8 THIS UNIT WAS LOGGED AS TRANSITIONAL TO THE ALTERED PORTION OF THE UNIT FROM 99.8 TO 104.2. FROM 77.2 TO 99.8 THERE ARE NUMEROUS FINE ( LESS THAN 2 CM ) WIDE VEINLETS OF HEMATITE SOME OF WHICH CARRY MINOR PYRITE / CHALCOPYRITE AND QUARTZ.  
 FROM 99.9 - 104.2 HIGHLY CHLORITIZED AND FRACTURED. MANY FAULT ZONES FILLED WITH CLAY. SOME MINOR SULPHIDES.  
 104.2 - 110.8 APPEARS TO BE INTRUSIVE GRANODIORITE, SLIGHTLY LESS ALTERED THAN BEFORE  
 110.8 - 130.0 GRANODIORITE IS LESS ALTERED THAN YET APPEARS DARKER

SIWASH COPPER DDH 96-4 PAGE 3 OF 3

BECAUSE OF INCREASE IN BIOTITE CONTENT STILL HIGHLY FRACTURED.

130.0 END OF HOLE

FRACTURES

TOTAL NUMBER OF FRACTURES REGARDLESS OF ORIENTATION ARE AS FOLLOWS;

49.0 - 50.0 37 FRACTURES

99.0 - 100.0 18 FRACTURES

SAMPLING

SAMPLE #	FROM	TO
96-4-1	9.9	11.25
96-4-2	12.1	15.2
96-4-21	16.7	17.5
96-4-20	17.7	19.8
96-4-19	19.8	20.5
96-4-18	20.5	22.0
96-4-17	22.0	23.0
96-4-16	23.0	24.4
96-4-15	24.4	25.91
96-4-3	25.91	28.3
96-4-4	28.3	28.92
96-4-5	30.36	32.89
96-4-6	33.29	34.4
96-4-14	40.9	41.15
96-4-13	45.7	47.7
96-4-12	47.7	48.42
96-4-7	48.42	48.65
96-4-8	48.65	49.25
96-4-9	51.6	54.73
96-4-10	58.19	60.6
96-4-11	81.1	82.2

END OF SAMPLING

INTERNATIONAL TOWER HILL MINES LTD  
 SIWASH COPPER PROPERTY  
 CAMP ZONE AREA

FILE DDH965

HOLE NUMBER 96-5 HOLE SIZE NO. START NOV 1, FINISH NOV 3/96

LOCATION THERE IS NO GRID CUT ON THE CAMP ZONE. A PLAN OF THE EXISTING TRENCH WAS MADE AND THE COLLAR ND DIP OF THE HOLE WAS REFERENCED TO THE TRENCH. SEE PLAN AT END OF HOLE LOGGING. COLLAR 46.5 M S-W OF STATION O +70 M IN CAMP TRENCH AT AN AZIMUTH OT 154 DEGREES TRUE NORTH. AZIMUTH OF HOLE 330 DEGREES, DIP MINUS 45 DEGREES, LENGTH 130.0 METRES.

GPS NORTHING  
 EASTING  
 ELEVATION

0.0 - 130.0

0.0 - 130.0 MAJOR FAULT ZONE. WEAKENING IN INTENSITY AFTER ABOUT 119.00, THIS IS THE WESTERN PORTION OF THE SIWASH FAULT IN SIWASH CREEK.

0.0 - 6.4

0.0 - 6.4 OVERBURDEN

6.4 - 12.5

6.4 - 12.5 GRANITIC UNIT. SURFACE WEATHERING TO ABOUT 8.0. LIGHT GREEN/PINK MOTTLED COLOR. SOME OF THE BIOTITE ALTERED TO CHLORITE. FROM 9.45 TO 9.65 POSSIBLE W FINE GRAINED DIABASE DYKE WITH CLAY GOUGE AT BOTH CONTACTS. FEW BLEBS OS SULPHIDES. AT 11.7 3 MM WIDE VEIN OF QUARTZ AND HEMATITE CUTTING THE CORE AT 15 DEG.

12.5 - 60.0

12.5 - 60.0 GRANODIORITE UNIT, HIGHLY ALTERED BY CHLORITE. THERE ARE MANY FINE VEINLETS ( LESS THAN 5 MM WIDE) OF QUARTZ/HEMATITE AND MINOR SULPHIDES THROUGHOUT THE UNIT. IN PLACES THE VEINLETS HAVE BEEN FRAGMENTED BY FAULTING. THERE ARE PIECES OF THESE VEINLETS IN SOME OF THE GOUGE ZONES. QUARTZ / HEMATITE VEINLETS AT 19.9, 20.4, 23.07, 24.2, 25.0, 25.8, 28.4, 36.0. FAULT GOUGE ZONES- 21.75, 22.5, 23.0, 24.2 - 24.5, 31.4 - 31.75, 36.0 - 36.2, 44.6 - 45.25, 50.0 - 50.29, 50.5 - 50.7, 51.7 - 56.38 AND 59.8 - 60.0.

DIABASE XENOLITHS - 21.0 - 21.75 AND 31.75 - 33.6.

60.0 - 130.0

60.0 - 117.1 GRANODIORITE / DIORITE UNIT. HIGHLY ALTERED BY CHLORITE AND HEMATITE. HEMATITE MAINLY ON FRACTURE AND SHEAR FACES, CHLORITE IN BOTH THE GROUNDMASS AND ALONG FRACTURES AND SHEARS. FINE HAIRLINE VEINLETS OF QUARTZ/HEMATITE ARE FOUND THROUGHOUT THE UNIT BUT ARE MOST PREVELANT AFTER.

CLAY GOUGE ZONES- 63.7 - 64.2, 65.6 - 65.7, 69.6 - 71.2, 78.2 - 78.65, 100.17 - 101.6, AND 127.26 - 127.6.

FRAGMENTS OF PEGMATITE, WHITE QUARTZ AND PINK K FELDSPAR. THESE

## SIWASH COPPER DDH 96-5 PAGE 2 OF 2

FRAGMENTS APPEAR FRESH AND FELDSPAR IS NOT NOTICABLY ALTERED.  
 NOTICABLE FRAGMENTS ARE FROM 68.12 - 68.27, 69.6 - 71.2, 75.0 -  
 75.4 AND 75.9 - 80.1.

DIABASE DYKE INTERSECTIONS FROM 117.1 - 119.0 AND 121.1 - 121.4.  
 THE CONTACTS IN THIS UNIT BETWEEN THE PEGMATITES, DIABASE AND  
 COUNTRY ROCK IS NEAR 45 DEG. TO CORE BUT ALL HAVE FAULTED/SHEARED  
 MARGINS.

130.0 END OF HOLE.

## SAMPLING

SAMPLE #	FROM	TO
96-5-1	7.4	7.9
96-5-2	9.6	13.95
96-5-3	13.95	16.0
96-5-4	16.0	18.6
96-5-20	18.6	20.2
96-5-5	20.2	21.0
96-5-6	21.0	23.0
96-5-7	23.0	24.45
96-5-8	27.35	30.4
96-5-9	30.4	31.75
96-5-16	31.75	33.0
96-5-17	33.0	34.42
96-5-18	34.42	35.12
96-5-19	35.12	37.5
96-5-10	37.5	39.4
96-5-11	39.4	41.5
96-5-12	56.38	59.7
96-5-13	69.6	72.0
96-5-14	78.9	81.7
96-5-15	81.7	83.6
END OF SAMPLING		



# Chemex Labs Ltd.

Analytical Chemists \* Geochemists \* Registered Assayers

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

A9640611

Comments: ATTN: R. WEEKS CC: NORM BONIN

CERTIFICATE

A9640611

(NGB) - INTERNATIONAL TOWER HILL MINES

Project:  
P.O. #:

Samples submitted to our lab in Vancouver, BC.  
This report was printed on 26-NOV-96.

## SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
208	89	Assay ring to approx 150 mesh
294	89	4-7 Kg crush and split
3202	89	Rock - save entire reject
229	89	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
999	89	Au g/t: 1 assay ton, AA finish	FA-AAS	0.03	150.00
2118	89	Ag ppm: 32 element, soil & rock	ICP-AES	0.2	100.0
2119	89	Al %: 32 element, soil & rock	ICP-AES	0.01	15.00
2120	89	As ppm: 32 element, soil & rock	ICP-AES	2	10000
2121	89	Ba ppm: 32 element, soil & rock	ICP-AES	10	10000
2122	89	Be ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
2123	89	Bi ppm: 32 element, soil & rock	ICP-AES	2	10000
2124	89	Ca %: 32 element, soil & rock	ICP-AES	0.01	15.00
2125	89	Cd ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
2126	89	Co ppm: 32 element, soil & rock	ICP-AES	1	10000
2127	89	Cr ppm: 32 element, soil & rock	ICP-AES	1	10000
2128	89	Cu ppm: 32 element, soil & rock	ICP-AES	1	10000
2150	89	Fe %: 32 element, soil & rock	ICP-AES	0.01	15.00
2130	89	Ga ppm: 32 element, soil & rock	ICP-AES	10	10000
2131	89	Hg ppm: 32 element, soil & rock	ICP-AES	1	10000
2132	89	K %: 32 element, soil & rock	ICP-AES	0.01	10.00
2151	89	La ppm: 32 element, soil & rock	ICP-AES	10	10000
2134	89	Mg %: 32 element, soil & rock	ICP-AES	0.01	15.00
2135	89	Mn ppm: 32 element, soil & rock	ICP-AES	5	10000
2136	89	Mo ppm: 32 element, soil & rock	ICP-AES	1	10000
2137	89	Na %: 32 element, soil & rock	ICP-AES	0.01	5.00
2138	89	Ni ppm: 32 element, soil & rock	ICP-AES	1	10000
2139	89	P ppm: 32 element, soil & rock	ICP-AES	10	10000
2140	89	Pb ppm: 32 element, soil & rock	ICP-AES	2	10000
2141	89	Sb ppm: 32 element, soil & rock	ICP-AES	2	10000
2142	89	Sc ppm: 32 elements, soil & rock	ICP-AES	1	10000
2143	89	Sr ppm: 32 element, soil & rock	ICP-AES	1	10000
2144	89	Ti %: 32 element, soil & rock	ICP-AES	0.01	5.00
2145	89	Tl ppm: 32 element, soil & rock	ICP-AES	10	10000
2146	89	U ppm: 32 element, soil & rock	ICP-AES	10	10000
2147	89	V ppm: 32 element, soil & rock	ICP-AES	1	10000
2148	89	W ppm: 32 element, soil & rock	ICP-AES	10	10000
2149	89	Zn ppm: 32 element, soil & rock	ICP-AES	2	10000

A PENDING Page 19





# Chemex Labs Ltd.

Analytical Chemists \* Geochemists \* Registered Assayers  
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 PHONE: 604 984 0221 FAX: 604-984-0218

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

Page Number : 1-A  
 Total Pages : 3  
 Certificate Date: 26-NOV-96  
 Invoice No. : 19640611  
 P.O. Number :  
 Account : NGB

Project :  
 Comments: ATTN: R. WEEKS CC: NORM BONIN

\* PLEASE NOTE

## CERTIFICATE OF ANALYSIS A9640611

SAMPLE	PREP CODE	Au g/t	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
96-1-01	208 294	< 0.03	1.0	1.80	< 2	190	0.5	< 2	0.59	0.5	8	40	179	5.17	10	< 1	0.31	10	1.22	1410
96-1-02	208 294	< 0.03	< 0.2	1.23	< 2	60	0.5	< 2	0.37	< 0.5	5	29	32	3.37	< 10	< 1	0.31	< 10	0.73	1280
96-1-03	208 294	< 0.03	0.2	1.60	< 2	90	0.5	< 2	0.30	< 0.5	8	31	182	4.33	< 10	< 1	0.31	10	0.87	940
96-1-04	208 294	< 0.03	0.8	2.10	< 2	240	0.5	< 2	0.31	0.5	10	29	136	5.93	< 10	< 1	0.28	10	1.16	1405
96-1-05	208 294	< 0.03	0.6	1.64	< 2	50	< 0.5	< 2	1.25	0.5	11	31	138	4.28	10	< 1	0.24	10	1.27	940
96-2-01	208 294	< 0.03	0.2	2.16	< 2	90	0.5	< 2	2.56	< 0.5	14	26	29	4.01	10	< 1	0.19	10	1.51	1130
96-2-02	208 294	< 0.03	2.6	0.70	12	40	0.5	< 2	0.90	3.0	21	37	865	7.68	< 10	< 1	0.32	10	1.01	4040
96-2-03	208 294	< 0.03	10.8	1.13	< 2	200	< 0.5	24	9.55	0.5	8	25	3050	4.42	< 10	< 1	0.10	10	1.69	2980
96-2-04	208 294	< 0.03	< 0.2	1.76	< 2	50	< 0.5	< 2	0.77	< 0.5	8	38	23	5.02	10	< 1	0.18	10	1.33	990
96-2-05	208 294	0.16	11.4	1.88	< 2	< 10	< 0.5	290	0.44	< 0.5	119	71	85	13.95	10	< 1	0.24	< 10	1.08	680
96-2-06	208 294	< 0.03	< 0.2	1.34	< 2	100	< 0.5	< 2	0.99	< 0.5	8	37	11	3.51	< 10	< 1	0.27	10	1.02	600
96-2-07	208 294	< 0.03	< 0.2	1.53	< 2	600	< 0.5	< 2	0.96	< 0.5	11	41	28	3.84	< 10	< 1	0.80	10	1.26	590
96-2-08	208 294	0.16	1.2	1.02	< 2	< 10	< 0.5	48	0.84	< 0.5	23	72	154	8.34	< 10	< 1	0.16	< 10	0.82	485
96-2-09	208 294	0.03	0.2	1.65	< 2	90	< 0.5	< 2	0.45	< 0.5	12	41	173	4.54	10	< 1	0.21	< 10	1.16	840
96-2-10	208 294	0.04	7.6	1.78	< 2	30	< 0.5	8	0.83	4.5	29	36	60	11.95	10	< 1	0.12	< 10	1.41	1690
96-2-11	208 294	0.03	1.2	2.80	< 2	70	0.5	< 2	0.37	1.5	21	35	50	7.47	20	< 1	0.35	< 10	1.73	1360
96-2-12	208 294	< 0.03	3.2	2.55	2	10	0.5	< 2	1.33	7.5	123	17	153	>15.00	30	< 1	0.11	< 10	2.17	2440
96-2-13	208 294	< 0.03	< 0.2	2.46	< 2	240	0.5	< 2	1.05	< 0.5	8	31	1	5.73	10	< 1	0.29	10	1.74	1280
96-2-14	208 294	< 0.03	< 0.2	2.08	< 2	40	0.5	< 2	2.04	< 0.5	11	28	3	4.88	10	< 1	0.28	10	1.56	885
96-2-15	208 294	< 0.03	< 0.2	1.53	< 2	130	< 0.5	< 2	1.14	< 0.5	12	39	24	3.67	< 10	< 1	0.71	10	1.26	660
96-2-16	208 294	< 0.03	1.0	1.95	< 2	100	< 0.5	< 2	1.22	0.5	13	34	25	4.76	10	< 1	0.66	10	1.50	1170
96-2-17	208 294	0.07	0.8	1.93	< 2	40	< 0.5	< 2	0.79	0.5	120	55	45	6.26	10	< 1	0.23	10	1.42	1100
96-2-18	208 294	< 0.03	< 0.2	2.02	< 2	50	0.5	< 2	1.09	0.5	13	32	53	5.72	10	< 1	0.35	10	1.59	1455
96-3-01	208 294	< 0.03	< 0.2	2.31	< 2	280	< 0.5	< 2	3.05	< 0.5	14	61	72	4.15	< 10	< 1	0.73	10	1.86	1480
96-3-02	208 294	< 0.03	< 0.2	1.57	< 2	140	0.5	< 2	1.04	5.5	14	35	66	7.26	10	< 1	0.51	10	1.37	5870
96-3-03	208 294	0.03	3.2	0.96	72	20	1.0	< 2	1.79	35.0	44	18	305	>15.00	10	< 1	0.29	10	1.23	>10000
96-3-04	208 294	< 0.03	0.2	1.04	< 2	180	0.5	< 2	0.90	6.0	10	36	34	7.64	< 10	< 1	0.54	10	1.08	5990
96-3-05	208 294	< 0.03	0.8	1.88	< 2	90	0.5	< 2	0.91	< 0.5	12	46	983	5.92	10	< 1	0.25	10	1.53	1410
96-3-06	208 294	< 0.03	< 0.2	1.41	< 2	40	< 0.5	< 2	0.99	< 0.5	10	44	12	3.57	< 10	< 1	0.20	10	1.11	765
96-3-07	208 294	< 0.03	7.4	2.23	< 2	10	0.5	2	2.64	15.5	138	29	1005	14.10	20	< 1	0.08	10	1.83	3450
96-3-08	208 294	< 0.03	< 0.2	1.83	< 2	60	< 0.5	< 2	0.87	< 0.5	11	34	175	4.94	10	< 1	0.18	10	1.50	985
96-3-09	208 294	< 0.03	14.6	0.88	< 2	10	< 0.5	Intf*	2.32	5.5	42	8	>10000	>15.00	10	< 1	0.06	< 10	1.15	2320
96-3-10	208 294	< 0.03	< 0.2	1.92	< 2	60	< 0.5	< 2	0.83	< 0.5	10	36	266	5.45	10	< 1	0.26	10	1.49	1105
96-3-11	208 294	< 0.03	3.2	3.69	< 2	70	1.0	< 2	0.87	4.5	11	16	5720	12.90	30	< 1	0.16	10	2.45	3260
96-3-12	208 294	< 0.03	0.2	1.62	< 2	80	< 0.5	< 2	0.74	0.5	8	32	364	5.59	10	< 1	0.23	10	1.31	1565
96-3-13	208 294	< 0.03	25.2	0.87	10	30	0.5	Intf*	1.19	2.0	86	19	>10000	13.40	10	< 1	0.17	< 10	1.25	2420
96-3-14	208 294	< 0.03	1.4	1.73	< 2	50	0.5	< 2	0.82	< 0.5	19	38	1895	6.60	10	< 1	0.23	10	1.45	1685
96-3-15	208 294	< 0.03	< 0.2	1.07	< 2	100	0.5	< 2	0.98	< 0.5	8	46	188	3.97	< 10	< 1	0.27	10	0.97	900
96-3-16	208 294	< 0.03	1.8	0.56	< 2	130	0.5	4	0.66	1.0	7	36	590	5.62	< 10	< 1	0.35	10	0.98	2540
96-3-17	208 294	0.06	57.0	0.96	48	10	0.5	Intf*	0.56	31.5	58	31	>10000	14.60	< 10	< 1	0.40	< 10	1.04	3890

Appendix Page 20

CERTIFICATION:

\* INTERFERENCES: Cu on Bi and P



# Chemex Labs Ltd.

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Page Number: 1-B  
Total Pages: 3  
Certificate Date: 26-NOV-96  
Invoice No.: 19640611  
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Account: NGB

\* PLEASE NOTE

## CERTIFICATE OF ANALYSIS A9640611

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
96-1-01	208 294	3 < 0.01		4	870	146	< 2	4	34 < 0.01	< 10	< 10	51	< 10		736
96-1-02	208 294	1 < 0.01		6	790	152	< 2	1	56 < 0.01	< 10	< 10	25	< 10		654
96-1-03	208 294	2 < 0.01		4	850	20	< 2	2	56 < 0.01	< 10	< 10	21	< 10		222
96-1-04	208 294	4 < 0.01		3	890	88	< 2	3	52 < 0.01	< 10	< 10	30	< 10		584
96-1-05	208 294	4 < 0.01		4	1000	42	< 2	7	82 0.04	< 10	< 10	82	< 10		570
96-2-01	208 294	3 < 0.01		4	1250	18	< 2	8	114 < 0.01	< 10	< 10	84	< 10		242
96-2-02	208 294	5 < 0.01		4	800	408	< 2	5	135 < 0.01	< 10	10	31	< 10		2410
96-2-03	208 294	1 < 0.01		1	590	344	< 2	5	416 < 0.01	< 10	< 10	51	< 10		686
96-2-04	208 294	5 < 0.01		4	910	40	< 2	8	55 0.02	< 10	< 10	76	< 10		358
96-2-05	208 294	4 < 0.01		13	450	222	< 2	4	21 0.01	< 10	10	41	< 10		270
96-2-06	208 294	3 0.03		2	920	2	< 2	7	63 0.05	< 10	< 10	73	< 10		98
96-2-07	208 294	3 0.04		4	1090	2	< 2	7	63 0.17	< 10	< 10	110	< 10		84
96-2-08	208 294	3 < 0.01		9	500	< 2	< 2	4	43 < 0.01	< 10	10	44	< 10		86
96-2-09	208 294	4 0.01		3	840	28	< 2	5	41 < 0.01	< 10	< 10	61	< 10		164
96-2-10	208 294	10 < 0.01		3	360	2260	< 2	4	66 0.01	< 10	10	44	< 10		3270
96-2-11	208 294	4 < 0.01		3	1060	404	< 2	5	46 0.01	< 10	10	46	< 10		1355
96-2-12	208 294	3 < 0.01		6	340	1340	< 2	4	86 < 0.01	< 10	30	61	< 10		5060
96-2-13	208 294	3 < 0.01		4	1190	98	< 2	8	89 0.02	< 10	10	82	< 10		460
96-2-14	208 294	3 < 0.01		4	1010	42	< 2	5	115 < 0.01	< 10	< 10	69	< 10		258
96-2-15	208 294	3 0.03		4	1170	2	< 2	8	59 0.14	< 10	10	108	< 10		94
96-2-16	208 294	4 < 0.01		5	1250	92	< 2	9	77 0.10	< 10	< 10	108	< 10		452
96-2-17	208 294	3 < 0.01		7	830	100	< 2	7	56 0.03	< 10	< 10	75	< 10		434
96-2-18	208 294	4 < 0.01		5	1280	70	< 2	10	121 0.02	< 10	10	88	< 10		616
96-3-01	208 294	6 0.01		25	1600	10	< 2	8	113 0.09	< 10	< 10	84	< 10		220
96-3-02	208 294	3 < 0.01		4	1130	172	< 2	11	127 0.03	< 10	10	92	< 10		5070
96-3-03	208 294	< 1 < 0.01		6	290	1325	< 2	6	183 < 0.01	< 10	30	39	< 10		>10000
96-3-04	208 294	5 < 0.01		4	990	462	< 2	6	147 < 0.01	< 10	10	58	< 10		5280
96-3-05	208 294	22 < 0.01		4	1010	20	< 2	8	101 < 0.01	< 10	10	71	< 10		340
96-3-06	208 294	4 0.03		4	850	28	< 2	7	46 0.06	< 10	< 10	65	< 10		178
96-3-07	208 294	4 < 0.01		6	310	1660	< 2	9	101 0.01	< 10	20	72	< 10		8950
96-3-08	208 294	3 0.01		5	910	24	< 2	9	61 0.04	< 10	< 10	88	< 10		214
96-3-09	208 294	1 < 0.01		1	Intf*	946	< 2	6	73 0.01	< 10	20	68	< 10		2830
96-3-10	208 294	3 < 0.01		5	950	28	< 2	10	84 0.05	< 10	< 10	86	< 10		222
96-3-11	208 294	3 < 0.01		2	490	442	< 2	7	68 0.01	< 10	20	68	< 10		3280
96-3-12	208 294	3 < 0.01		3	770	192	< 2	7	62 0.01	< 10	< 10	58	< 10		642
96-3-13	208 294	3 < 0.01		3	Intf*	484	< 2	6	94 < 0.01	< 10	20	52	< 10		1380
96-3-14	208 294	5 < 0.01		4	930	74	< 2	8	65 0.01	< 10	10	74	< 10		370
96-3-15	208 294	3 0.02		4	810	12	< 2	6	90 0.01	< 10	< 10	53	< 10		188
96-3-16	208 294	4 < 0.01		4	750	152	< 2	5	119 < 0.01	< 10	10	29	< 10		992
96-3-17	208 294	2 < 0.01		10	Intf*	3920	< 2	5	106 < 0.01	< 10	20	44	< 10		>10000

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CERTIFICATION: *Handwritten Signature*

\* INTERFERENCES: Cu on Bi and P



# 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-A  
Total Pages : 3  
Certificate Date: 26-NOV-96  
Invoice No. : 19640611  
P.O. Number :  
Account : NGB

Project :  
Comments: ATTN: R. WEEKS CC: NORM BONIN

\* PLEASE NOTE

## CERTIFICATE OF ANALYSIS A9640611

SAMPLE	PREP CODE	Au g/t	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
96-3-18	208 294	< 0.03	0.6	0.51	< 2	120	0.5	< 2	0.52	< 0.5	9	51	828	6.79	< 10	< 1	0.33	10	1.08	2650
96-3-19	208 294	< 0.03	< 0.2	0.44	< 2	90	0.5	< 2	0.76	< 0.5	8	50	91	5.41	< 10	< 1	0.29	10	1.00	1405
96-3-20	208 294	< 0.03	< 0.2	0.45	< 2	90	0.5	< 2	0.78	< 0.5	12	36	52	10.30	< 10	< 1	0.29	20	1.41	2580
96-3-21	208 294	< 0.03	< 0.2	0.44	< 2	100	0.5	< 2	0.56	< 0.5	12	65	243	5.62	< 10	< 1	0.37	10	1.00	1820
96-4-01	208 294	< 0.03	0.6	0.89	< 2	120	0.5	< 2	4.54	3.0	5	73	34	2.25	< 10	< 1	0.31	< 10	0.40	4050
96-4-02	208 294	< 0.03	1.6	1.00	< 2	70	0.5	< 2	2.63	1.0	4	69	96	2.63	< 10	< 1	0.33	< 10	0.32	1855
96-4-02	208 294	< 0.03	< 0.2	0.88	< 2	140	0.5	< 2	2.90	1.5	4	99	21	2.34	< 10	< 1	0.37	< 10	0.38	2050
96-4-03	208 294	0.03	27.4	1.41	< 2	60	0.5	192	0.22	4.5	3	83	521	4.93	< 10	< 1	0.37	10	0.34	835
96-4-03	208 294	0.14	>100.0	1.40	< 2	60	0.5	814	2.38	4.5	3	121	1125	6.31	< 10	< 1	0.31	< 10	0.49	1665
96-4-04	208 294	0.04	13.8	1.42	24	80	0.5	10	1.61	4.5	4	85	218	8.11	< 10	< 1	0.26	< 10	0.49	2620
96-4-05	208 294	< 0.03	4.2	1.55	< 2	120	0.5	8	1.55	3.0	4	107	80	4.63	< 10	< 1	0.46	10	0.40	1175
96-4-05	208 294	< 0.03	5.0	2.22	6	290	0.5	2	2.11	4.0	4	94	32	8.47	< 10	< 1	0.30	< 10	0.70	2380
96-4-06	208 294	< 0.03	7.6	2.39	< 2	40	0.5	8	3.78	6.0	5	104	117	9.36	< 10	< 1	0.31	< 10	0.68	3640
96-4-07	208 294	10.40	79.8	1.06	< 2	40	0.5	56	4.67	>100.0	8	66	8440	6.77	< 10	1	0.25	< 10	0.52	7430
96-4-08	208 294	0.08	2.2	2.10	< 2	80	0.5	< 2	1.75	4.5	6	63	220	6.06	< 10	< 1	0.45	< 10	0.60	4560
96-4-09	208 294	< 0.03	2.2	1.58	< 2	100	0.5	< 2	1.26	3.5	4	81	116	4.37	< 10	< 1	0.44	< 10	0.41	1290
96-4-09	208 294	< 0.03	0.8	1.35	< 2	90	0.5	< 2	1.58	1.5	5	84	69	4.14	< 10	< 1	0.32	< 10	0.48	1365
96-4-10	208 294	< 0.03	< 0.2	1.21	< 2	240	0.5	< 2	1.91	0.5	4	69	8	2.83	< 10	< 1	0.34	10	0.46	830
96-4-10	208 294	< 0.03	2.0	1.68	< 2	150	0.5	< 2	2.49	5.0	5	60	138	4.43	< 10	< 1	0.33	< 10	0.63	1580
96-4-11	208 294	< 0.03	0.2	0.93	< 2	120	< 0.5	< 2	1.46	1.0	6	76	53	2.87	< 10	< 1	0.23	< 10	0.53	1550
96-5-01	208 294	< 0.03	5.0	0.61	< 2	90	< 0.5	6	1.04	2.5	3	116	78	1.97	< 10	< 1	0.40	10	0.22	1555
96-5-02	208 294	< 0.03	0.2	0.90	< 2	180	< 0.5	< 2	2.73	2.5	5	90	24	2.98	< 10	< 1	0.26	10	0.50	3450
96-5-02	208 294	< 0.03	0.4	0.70	< 2	60	< 0.5	< 2	1.52	0.5	4	89	38	2.77	< 10	< 1	0.32	10	0.35	1405
96-5-02	208 294	< 0.03	< 0.2	1.07	< 2	80	< 0.5	< 2	1.59	< 0.5	6	71	10	3.21	< 10	< 1	0.24	10	0.58	1330
96-5-02	208 294	< 0.03	1.0	0.99	< 2	70	0.5	< 2	2.32	0.5	6	83	34	3.83	< 10	< 1	0.41	10	0.52	2540
96-5-03	208 294	0.20	>100.0	0.87	< 2	570	0.5	148	2.13	5.5	5	74	723	3.71	< 10	< 1	0.45	10	0.51	2450
96-5-03	208 294	0.22	>100.0	0.82	< 2	170	0.5	180	2.12	18.0	6	87	3050	3.49	< 10	< 1	0.42	< 10	0.46	2660
96-5-04	208 294	< 0.03	1.4	0.87	< 2	710	0.5	< 2	3.07	2.0	5	65	72	2.75	< 10	< 1	0.35	10	0.57	2640
96-5-04	208 294	< 0.03	1.4	1.02	< 2	650	0.5	< 2	2.69	2.0	7	77	49	3.04	< 10	< 1	0.38	10	0.55	2480
96-5-05	208 294	0.03	21.0	1.29	< 2	40	0.5	6	2.43	37.0	13	49	955	6.62	< 10	< 1	0.29	10	0.95	4280
96-5-06	208 294	< 0.03	17.6	2.95	< 2	50	0.5	6	3.59	16.0	19	30	872	8.01	10	< 1	0.28	30	1.62	5180
96-5-06	208 294	< 0.03	0.2	1.44	< 2	120	< 0.5	< 2	3.59	< 0.5	5	38	15	3.58	< 10	< 1	0.40	10	0.60	4290
96-5-07	208 294	< 0.03	0.6	1.15	< 2	60	< 0.5	< 2	2.84	2.5	5	84	42	2.77	< 10	< 1	0.32	10	0.51	2690
96-5-08	208 294	< 0.03	2.4	1.84	< 2	60	0.5	< 2	1.88	3.0	4	72	68	5.28	< 10	< 1	0.37	< 10	0.59	2330
96-5-08	208 294	< 0.03	4.2	2.10	< 2	120	0.5	< 2	0.92	3.5	5	83	173	6.18	< 10	< 1	0.44	< 10	0.56	1990
96-5-08	208 294	< 0.03	1.4	1.83	< 2	80	0.5	< 2	1.03	1.5	3	70	49	4.55	< 10	< 1	0.48	10	0.52	1880
96-5-09	208 294	< 0.03	2.6	2.15	< 2	140	0.5	< 2	1.50	2.5	6	66	76	5.37	< 10	< 1	0.43	10	0.70	2470
96-5-10	208 294	< 0.03	23.4	2.54	< 2	60	0.5	< 2	1.83	10.0	6	66	645	7.88	10	< 1	0.41	< 10	0.97	2720
96-5-10	208 294	< 0.03	13.6	2.04	< 2	950	0.5	< 2	1.55	4.5	5	67	417	7.60	< 10	< 1	0.54	< 10	0.84	2330
96-5-10	208 294	< 0.03	30.2	2.34	< 2	70	0.5	2	1.08	11.5	6	64	1895	8.03	< 10	< 1	0.52	< 10	0.78	2370

CERTIFICATION:

\* INTERFERENCES: Cu on Bi and P

APPENDIX PAGE 2-2



# Chemex Labs Ltd.

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

Page Number : 2-B  
 Total Pages : 3  
 Certificate Date: 26-NOV-96  
 Invoice No. : I9640611  
 P.O. Number :  
 Account : NGB

Project :  
 Comments: ATTN: R. WEEKS CC: NORM BONIN

\* PLEASE NOTE

## CERTIFICATE OF ANALYSIS A9640611

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
96-3-18	208 294	3 < 0.01	4	1020	78	< 2	5	124 < 0.01	< 10	10	27	< 10	716		
96-3-19	208 294	3 < 0.01	5	1060	8	< 2	5	85 < 0.01	< 10	< 10	41	< 10	226		
96-3-20	208 294	3 < 0.01	4	890	< 2	< 2	5	99 0.01	< 10	10	41	< 10	348		
96-3-21	208 294	5 < 0.01	4	1060	8	< 2	3	85 < 0.01	< 10	10	17	< 10	262		
96-4-01	208 294	< 1 < 0.01	2	680	238	< 2	1	261 < 0.01	< 10	< 10	9	< 10	1475		
96-4-02	208 294	1 < 0.01	1	810	210	< 2	1	228 < 0.01	< 10	< 10	16	< 10	670		
96-4-02	208 294	< 1 < 0.01	1	810	206	< 2	3	227 < 0.01	< 10	< 10	27	< 10	858		
96-4-03	208 294	3 < 0.01	< 1	390	2310	< 2	< 1	61 < 0.01	< 10	< 10	6	< 10	2370		
96-4-03	208 294	2 < 0.01	1	290	8660	< 2	< 1	150 < 0.01	< 10	< 10	9	< 10	2440		
96-4-04	208 294	3 < 0.01	< 1	250	880	< 2	< 1	87 < 0.01	< 10	10	10	< 10	2860		
96-4-05	208 294	1 < 0.01	1	580	552	< 2	1	153 < 0.01	< 10	< 10	20	< 10	1825		
96-4-05	208 294	1 < 0.01	< 1	310	680	< 2	1	161 < 0.01	< 10	10	11	< 10	2460		
96-4-06	208 294	3 < 0.01	1	450	1280	< 2	1	193 < 0.01	< 10	10	21	< 10	3460		
96-4-07	208 294	< 1 < 0.01	11	810	3420	14	2	191 0.01	< 10	10	22	< 10	>10000		
96-4-08	208 294	< 1 < 0.01	3	870	804	< 2	2	155 < 0.01	< 10	10	28	< 10	2540		
96-4-09	208 294	< 1 < 0.01	1	780	510	< 2	1	159 < 0.01	< 10	< 10	21	< 10	2100		
96-4-09	208 294	1 < 0.01	1	840	268	< 2	2	179 < 0.01	< 10	< 10	32	< 10	998		
96-4-10	208 294	1 < 0.01	2	970	108	< 2	2	295 < 0.01	< 10	< 10	28	< 10	556		
96-4-10	208 294	1 < 0.01	1	670	538	< 2	1	279 < 0.01	< 10	< 10	16	< 10	2360		
96-4-11	208 294	1 < 0.01	2	800	250	< 2	2	97 0.02	< 10	< 10	41	< 10	702		
96-5-01	208 294	2 < 0.01	1	440	632	< 2	< 1	44 < 0.01	< 10	< 10	5	< 10	1510		
96-5-02	208 294	1 < 0.01	3	740	266	< 2	1	121 < 0.01	< 10	< 10	15	< 10	1485		
96-5-02	208 294	1 < 0.01	1	840	128	< 2	1	108 < 0.01	< 10	< 10	17	< 10	558		
96-5-02	208 294	1 < 0.01	1	880	32	< 2	3	110 < 0.01	< 10	< 10	36	< 10	186		
96-5-02	208 294	1 < 0.01	2	980	190	< 2	2	166 < 0.01	< 10	< 10	28	< 10	448		
96-5-03	208 294	2 < 0.01	1	880	4610	< 2	1	145 < 0.01	< 10	< 10	12	< 10	2700		
96-5-03	208 294	< 1 < 0.01	1	640	4980	< 2	1	121 < 0.01	< 10	< 10	7	< 10	8080		
96-5-04	208 294	< 1 < 0.01	1	870	220	< 2	1	176 < 0.01	< 10	< 10	14	< 10	1120		
96-5-04	208 294	< 1 < 0.01	3	1020	212	< 2	2	177 < 0.01	< 10	< 10	26	< 10	1175		
96-5-05	208 294	< 1 < 0.01	20	2980	1130	< 2	4	142 < 0.01	< 10	< 10	31	< 10	>10000		
96-5-06	208 294	< 1 < 0.01	34	3700	724	< 2	5	197 < 0.01	< 10	10	50	< 10	7460		
96-5-06	208 294	1 < 0.01	< 1	1350	48	< 2	1	225 < 0.01	< 10	< 10	12	< 10	300		
96-5-07	208 294	< 1 < 0.01	2	730	208	< 2	1	191 < 0.01	< 10	< 10	16	< 10	1390		
96-5-08	208 294	1 < 0.01	1	560	504	< 2	1	113 < 0.01	< 10	< 10	10	< 10	2070		
96-5-08	208 294	3 < 0.01	1	620	316	< 2	1	101 < 0.01	< 10	< 10	12	< 10	2260		
96-5-08	208 294	< 1 < 0.01	< 1	500	228	< 2	< 1	86 < 0.01	< 10	< 10	7	< 10	1445		
96-5-09	208 294	< 1 < 0.01	6	1050	506	< 2	1	120 < 0.01	< 10	< 10	17	< 10	2110		
96-5-10	208 294	< 1 < 0.01	2	460	1035	< 2	1	144 < 0.01	< 10	10	19	< 10	5370		
96-5-10	208 294	1 < 0.01	1	740	742	< 2	1	150 < 0.01	< 10	< 10	23	< 10	3290		
96-5-10	208 294	< 1 < 0.01	1	630	1360	< 2	1	87 < 0.01	< 10	< 10	22	< 10	6030		

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CERTIFICATION: Hunt Bickler

\* INTERFERENCES: Cu on Bi and P



# Chemex Labs Ltd.

Analytical Chemists \* Geochemists \* Registered Assayers  
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To: INTERNATIONAL TOWER HILL MINES  
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 1625 SMITHSON PL.,  
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Page Number : 3-A  
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Project :  
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\* PLEASE NOTE

## CERTIFICATE OF ANALYSIS A9640611

SAMPLE	PREP CODE	Au g/t	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
96-5-11	208 294	< 0.03	4.8	2.05	< 2	210	0.5	< 2	0.85	4.5	6	68	203	8.34	< 10	< 1	0.49	< 10	0.74	2060
96-5-12	208 294	< 0.03	2.6	2.16	< 2	100	1.0	< 2	0.73	9.0	5	54	174	7.29	< 10	< 1	0.45	10	0.49	7400
96-5-12	208 294	< 0.03	4.2	1.79	< 2	70	0.5	< 2	1.04	11.0	6	62	332	5.36	< 10	< 1	0.39	< 10	0.45	6180
96-5-12	208 294	< 0.03	3.2	1.52	< 2	60	0.5	< 2	1.48	11.5	5	54	46	5.68	< 10	< 1	0.38	< 10	0.44	3800
96-5-13	208 294	< 0.03	1.6	1.09	< 2	80	< 0.5	< 2	1.81	2.0	4	98	139	2.74	< 10	< 1	0.28	< 10	0.37	980
96-5-13	208 294	< 0.03	13.8	1.94	< 2	50	< 0.5	< 2	1.59	5.5	5	63	583	5.95	< 10	< 1	0.30	< 10	0.59	1565
96-5-14	208 294	< 0.03	6.8	1.34	< 2	90	< 0.5	< 2	1.58	2.0	4	97	431	3.85	< 10	< 1	0.34	< 10	0.47	1110
96-5-14	208 294	< 0.03	5.4	2.21	< 2	50	0.5	< 2	1.19	4.0	5	70	285	6.38	< 10	< 1	0.33	10	0.71	1525
96-5-15	208 294	< 0.03	3.4	1.56	< 2	130	< 0.5	< 2	1.39	2.0	5	84	249	4.59	< 10	< 1	0.35	10	0.58	1065

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CERTIFICATION: *[Signature]*

\* INTERFERENCES: Cu on Bi and P



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212 Brooksbank Ave., North Vancouver  
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## CERTIFICATE OF ANALYSIS A9640611

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
96-5-11	208 294	< 1	< 0.01	2	670	326	< 2	1	119	< 0.01	< 10	10	23	10	3570
96-5-12	208 294	< 1	< 0.01	< 1	830	922	< 2	2	95	< 0.01	< 10	< 10	24	10	4220
96-5-12	208 294	8	< 0.01	1	870	3440	< 2	1	120	< 0.01	< 10	< 10	29	10	5290
96-5-12	208 294	< 1	< 0.01	1	920	528	< 2	2	142	< 0.01	< 10	10	23	10	5650
96-5-13	208 294	1	< 0.01	1	450	266	< 2	1	231	< 0.01	< 10	< 10	19	< 10	1005
96-5-13	208 294	1	< 0.01	1	530	798	< 2	1	134	< 0.01	< 10	< 10	16	< 10	2890
96-5-14	208 294	1	< 0.01	3	800	210	< 2	1	162	< 0.01	< 10	< 10	30	< 10	1135
96-5-14	208 294	< 1	< 0.01	1	680	512	< 2	1	114	< 0.01	< 10	< 10	16	10	2320
96-5-15	208 294	1	< 0.01	2	710	258	< 2	2	125	0.01	< 10	< 10	31	< 10	1100

APPENDIX Page 25

CERTIFICATION: *Robert Bonin*

\* INTERFERENCES: Cu on Bi and P



# 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

A9642287

Comments: ATTN: ROSS WEEKS CC: NORM BONIN

CERTIFICATE

A9642287

(NGB) - INTERNATIONAL TOWER HILL MINES

Project:  
P.O. #:

Samples submitted to our lab in Vancouver, BC.  
This report was printed on 9-DEC-96.

## SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
205	35	Geochem ring to approx 150 mesh
294	35	4-7 Kg crush and split
229	35	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
999	35	Au g/t: 1 assay ton, AA finish	FA-AAS	0.03	150.00
2118	35	Ag ppm: 32 element, soil & rock	ICP-AES	0.2	100.0
2119	35	Al %: 32 element, soil & rock	ICP-AES	0.01	15.00
2120	35	As ppm: 32 element, soil & rock	ICP-AES	2	10000
2121	35	Ba ppm: 32 element, soil & rock	ICP-AES	10	10000
2122	35	Be ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
2123	35	Bi ppm: 32 element, soil & rock	ICP-AES	2	10000
2124	35	Ca %: 32 element, soil & rock	ICP-AES	0.01	15.00
2125	35	Cd ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
2126	35	Co ppm: 32 element, soil & rock	ICP-AES	1	10000
2127	35	Cr ppm: 32 element, soil & rock	ICP-AES	1	10000
2128	35	Cu ppm: 32 element, soil & rock	ICP-AES	1	10000
2150	35	Fe %: 32 element, soil & rock	ICP-AES	0.01	15.00
2130	35	Ga ppm: 32 element, soil & rock	ICP-AES	10	10000
2131	35	Hg ppm: 32 element, soil & rock	ICP-AES	1	10000
2132	35	K %: 32 element, soil & rock	ICP-AES	0.01	10.00
2151	35	La ppm: 32 element, soil & rock	ICP-AES	10	10000
2134	35	Mg %: 32 element, soil & rock	ICP-AES	0.01	15.00
2135	35	Mn ppm: 32 element, soil & rock	ICP-AES	5	10000
2136	35	Mo ppm: 32 element, soil & rock	ICP-AES	1	10000
2137	35	Na %: 32 element, soil & rock	ICP-AES	0.01	5.00
2138	35	Ni ppm: 32 element, soil & rock	ICP-AES	1	10000
2139	35	P ppm: 32 element, soil & rock	ICP-AES	10	10000
2140	35	Pb ppm: 32 element, soil & rock	ICP-AES	2	10000
2141	35	Sb ppm: 32 element, soil & rock	ICP-AES	2	10000
2142	35	Sc ppm: 32 elements, soil & rock	ICP-AES	1	10000
2143	35	Sr ppm: 32 element, soil & rock	ICP-AES	1	10000
2144	35	Ti %: 32 element, soil & rock	ICP-AES	0.01	5.00
2145	35	Tl ppm: 32 element, soil & rock	ICP-AES	10	10000
2146	35	U ppm: 32 element, soil & rock	ICP-AES	10	10000
2147	35	V ppm: 32 element, soil & rock	ICP-AES	1	10000
2148	35	W ppm: 32 element, soil & rock	ICP-AES	10	10000
2149	35	Zn ppm: 32 element, soil & rock	ICP-AES	2	10000

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# Chemex Labs Ltd.

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

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

Page Number: 1-A  
 Total Pages: 1  
 Certificate Date: 09-DEC-96  
 Invoice No.: 19642287  
 P.O. Number:  
 Account: INGB

## CERTIFICATE OF ANALYSIS A9642287

SAMPLE	PREP CODE	Au g/t	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
96-2-19	205 294	< 0.03	0.2	1.58	2	60	0.5	< 2	0.53	0.5	5	58	92	6.32	10	< 1	0.25	20	1.34	1645
96-2-20	205 294	< 0.03	< 0.2	1.36	2	70	< 0.5	< 2	0.82	< 0.5	6	57	45	3.31	10	< 1	0.26	10	0.97	595
96-2-21	205 294	< 0.03	< 0.2	1.53	4	80	0.5	4	1.10	< 0.5	8	67	240	5.23	10	< 1	0.32	20	1.31	1140
96-2-22	205 294	< 0.03	< 0.2	1.80	2	110	0.5	< 2	1.65	< 0.5	12	58	10	4.00	10	< 1	0.26	20	1.26	950
96-2-23	205 294	< 0.03	< 0.2	1.92	< 2	60	0.5	< 2	1.00	< 0.5	8	69	6	4.80	10	< 1	0.26	30	1.41	765
96-2-24	205 294	< 0.03	< 0.2	2.14	6	50	0.5	2	1.27	0.5	10	56	11	5.75	10	< 1	0.32	20	1.85	960
96-3-22	205 294	< 0.03	< 0.2	2.09	2	60	0.5	2	1.10	< 0.5	11	68	7	4.90	10	< 1	0.25	30	1.71	980
96-3-23	205 294	< 0.03	< 0.2	1.92	< 2	70	0.5	< 2	1.08	< 0.5	10	61	147	5.21	10	< 1	0.27	20	1.61	1015
96-4-12	205 294	< 0.03	1.2	3.06	< 2	410	1.0	2	4.33	2.0	20	112	91	5.55	10	< 1	0.68	20	2.11	5920
96-4-13	205 294	< 0.03	< 0.2	1.52	< 2	100	0.5	< 2	2.48	0.5	6	53	8	3.31	10	< 1	0.39	10	0.74	2500
96-4-14	205 294	< 0.03	1.0	1.30	2	90	0.5	2	3.53	1.5	5	65	15	3.04	< 10	< 1	0.50	< 10	0.40	2800
96-4-15	205 294	< 0.03	24.4	2.19	< 2	60	0.5	42	2.32	7.0	2	61	629	6.97	10	< 1	0.53	10	0.67	1680
96-4-16	205 294	< 0.03	8.0	2.41	< 2	50	0.5	20	1.12	4.5	2	67	101	8.84	10	< 1	0.47	10	0.66	2040
96-4-17	205 294	< 0.03	6.6	2.04	< 2	50	0.5	14	2.18	4.0	3	42	51	7.94	< 10	< 1	0.42	10	0.66	1975
96-4-18	205 294	0.03	7.4	1.83	< 2	210	1.0	32	1.38	4.0	2	49	45	7.74	< 10	< 1	0.52	10	0.58	1925
96-4-19	205 294	< 0.03	9.0	1.74	2	530	0.5	20	3.58	6.0	3	47	43	8.44	10	< 1	0.36	< 10	0.64	2250
96-4-20	205 294	0.04	28.4	0.88	2	490	0.5	18	2.57	11.5	4	51	502	5.88	< 10	< 1	0.43	< 10	0.60	3410
96-4-21	205 294	< 0.03	1.6	1.70	< 2	100	1.0	2	3.28	3.5	6	50	61	5.43	10	< 1	0.55	10	0.57	2320
96-5-16	205 294	< 0.03	2.4	3.78	10	340	0.5	< 2	5.40	4.0	26	81	99	8.44	20	< 1	0.52	30	2.79	3740
96-5-17	205 294	< 0.03	4.4	4.33	4	150	1.5	6	3.00	6.5	19	63	203	12.55	20	< 1	0.47	30	2.09	2910
96-5-18	205 294	< 0.03	6.0	2.41	< 2	90	1.0	4	0.66	4.5	6	62	236	7.65	10	< 1	0.66	10	0.84	1450
96-5-19	205 294	0.04	19.4	2.78	12	90	1.0	12	1.12	20.5	5	44	1200	9.77	10	< 1	0.59	< 10	0.82	2490
96-5-20	205 294	< 0.03	2.8	1.76	< 2	550	0.5	2	1.94	4.0	9	38	145	5.21	10	< 1	0.39	10	0.96	2540
96-6-1	205 294	< 0.03	< 0.2	1.57	< 2	520	< 0.5	< 2	0.95	0.5	10	47	39	3.66	10	< 1	0.77	10	1.23	570
96-6-2	205 294	0.21	2.0	0.83	2	< 10	< 0.5	78	0.66	< 0.5	23	97	216	10.15	10	< 1	0.13	< 10	0.66	360
96-6-3	205 294	0.03	1.4	1.43	4	90	0.5	6	0.54	0.5	14	56	90	4.32	10	< 1	0.26	< 10	0.94	710
96-6-4	205 294	0.04	8.0	2.20	10	50	0.5	14	0.83	2.5	21	59	47	11.40	20	< 1	0.21	< 10	1.57	1615
96-6-5	205 294	0.03	2.4	3.27	< 2	60	0.5	6	0.43	2.0	26	49	44	8.37	30	< 1	0.37	< 10	1.90	1355
96-6-6	205 294	< 0.03	3.8	2.29	26	20	1.0	12	1.21	10.0	142	20	195	>15.00	30	< 1	0.13	< 10	1.82	2080
96-6-7	205 294	< 0.03	< 0.2	2.61	6	200	0.5	< 2	1.23	0.5	10	39	8	5.74	20	< 1	0.35	20	1.75	1215
96-6-8	205 294	< 0.03	< 0.2	2.31	8	50	0.5	< 2	2.07	0.5	11	46	4	5.02	10	< 1	0.32	10	1.71	895
96-6-9	205 294	< 0.03	< 0.2	1.87	2	190	< 0.5	6	1.36	0.5	13	54	29	4.34	10	< 1	0.80	10	1.49	740
96-6-10	205 294	< 0.03	0.4	2.18	6	100	0.5	< 2	1.28	1.0	12	45	32	5.19	10	< 1	0.72	10	1.58	1200
96-6-11	205 294	< 0.03	2.2	2.03	6	30	0.5	12	0.73	0.5	35	113	51	6.98	10	< 1	0.21	10	1.34	1095
96-6-12	205 294	< 0.03	0.2	2.08	12	60	1.0	2	1.11	1.5	13	43	59	5.97	10	< 1	0.40	10	1.57	1555

CERTIFICATION: *[Signature]*

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# Chemex Labs Ltd.

Analytical Chemists \* Geochemists \* Registered Assayers

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

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

Page Number : 1-B  
Total Pages : 1  
Certificate Date: 09-DEC-96  
Invoice No. : 19642287  
P.O. Number :  
Account : NGB

## CERTIFICATE OF ANALYSIS

### A9642287

SAMPLE	PREP CODE		Mo	Na	Ni	P	Pb	Sb	Sc	Sr	Ti	Tl	U	V	W	Zn
			ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
96-2-19	205	294	3	0.01	3	740	104	< 2	6	75	< 0.01	< 10	< 10	48	< 10	518
96-2-20	205	294	3	0.06	3	700	6	< 2	6	58	0.03	< 10	< 10	50	< 10	106
96-2-21	205	294	7	0.04	5	890	22	< 2	7	100	0.02	< 10	< 10	72	< 10	226
96-2-22	205	294	5	0.05	5	830	6	< 2	9	127	0.01	< 10	< 10	83	< 10	116
96-2-23	205	294	4	0.05	5	850	12	2	9	83	0.03	< 10	< 10	83	< 10	134
96-2-24	205	294	3	0.05	6	1070	32	< 2	12	89	0.08	< 10	< 10	122	< 10	204
96-3-22	205	294	3	0.05	7	910	38	< 2	7	89	0.01	< 10	< 10	86	< 10	188
96-3-23	205	294	2	0.05	7	860	2	< 2	9	85	0.04	< 10	< 10	94	< 10	162
96-4-12	205	294	7	0.01	61	2500	122	2	10	342	0.06	< 10	< 10	97	< 10	728
96-4-13	205	294	< 1	0.04	3	860	14	2	4	203	0.01	< 10	< 10	45	< 10	200
96-4-14	205	294	< 1	< 0.01	3	640	134	< 2	1	242	< 0.01	< 10	< 10	26	< 10	672
96-4-15	205	294	3	< 0.01	1	310	1530	< 2	< 1	155	< 0.01	< 10	< 10	9	< 10	3820
96-4-16	205	294	3	< 0.01	1	270	1230	< 2	1	98	< 0.01	< 10	< 10	9	< 10	4310
96-4-17	205	294	3	< 0.01	1	230	444	< 2	< 1	120	< 0.01	< 10	< 10	8	< 10	3780
96-4-18	205	294	6	< 0.01	1	260	662	< 2	< 1	110	< 0.01	< 10	< 10	9	< 10	3890
96-4-19	205	294	2	< 0.01	1	200	1090	< 2	< 1	209	< 0.01	< 10	< 10	8	< 10	4840
96-4-20	205	294	< 1	< 0.01	3	710	960	< 2	2	236	< 0.01	< 10	< 10	19	< 10	5460
96-4-21	205	294	< 1	< 0.01	3	1010	418	2	3	283	< 0.01	< 10	< 10	36	< 10	1970
96-5-16	205	294	< 1	0.01	66	3510	276	2	10	422	0.12	< 10	< 10	117	< 10	1920
96-5-17	205	294	< 1	< 0.01	55	3180	650	< 2	8	324	0.02	< 10	< 10	95	< 10	3450
96-5-18	205	294	< 1	< 0.01	4	770	790	< 2	2	101	< 0.01	< 10	< 10	24	< 10	2350
96-5-19	205	294	< 1	< 0.01	3	470	1335	< 2	2	97	< 0.01	< 10	< 10	24	< 10	8760
96-5-20	205	294	< 1	0.01	4	920	288	< 2	5	154	< 0.01	< 10	< 10	55	< 10	1760
96-6-1	205	294	2	0.09	5	1020	12	< 2	7	66	0.19	< 10	< 10	109	< 10	134
96-6-2	205	294	2	0.03	10	340	14	< 2	3	35	< 0.01	< 10	< 10	37	< 10	104
96-6-3	205	294	3	0.05	4	580	134	< 2	4	49	< 0.01	< 10	< 10	46	< 10	296
96-6-4	205	294	7	< 0.01	4	550	1550	< 2	5	73	0.01	< 10	< 10	55	< 10	1405
96-6-5	205	294	3	0.01	5	920	400	< 2	6	53	< 0.01	< 10	< 10	54	< 10	1210
96-6-6	205	294	1	< 0.01	7	330	1465	< 2	3	78	< 0.01	< 10	< 10	47	< 10	5660
96-6-7	205	294	3	0.03	5	1080	94	2	9	108	0.03	< 10	< 10	95	< 10	414
96-6-8	205	294	1	0.03	5	1040	16	< 2	7	128	< 0.01	< 10	< 10	80	< 10	212
96-6-9	205	294	3	0.07	5	1080	6	< 2	10	74	0.18	< 10	< 10	125	< 10	108
96-6-10	205	294	3	0.05	6	1110	100	< 2	10	89	0.13	< 10	< 10	119	< 10	520
96-6-11	205	294	1	0.03	6	650	132	< 2	8	56	0.03	< 10	< 10	76	< 10	384
96-6-12	205	294	3	0.04	6	1060	86	< 2	10	125	0.01	< 10	< 10	86	< 10	740

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