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GEOLOGICAL SURVEY BRANCH  
ASSESSMENT REPORT

ASSESSMENT REPORT  
FOR  
SAMPLING ON THE 2004 DRILL PROGRAM  
FOR THE ED 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 123 20'W

PREPARED FOR  
R M W MINE EVALUATIONS LTD.

PREPARED BY  
ROSS M WEEKS P ENG (RETIRED)

AUGUST 4, 2004

Vol. 2

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## 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 102 MINERAL CLAIMS, ( INCLUDING MOST RECENTLY STAKED 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 SHRIMPSON LOGGING ROAD COMPLEX.

R M W MINE EVALUATIONS LTD. WAS CONTRACTED BY INTERNATIONAL TOWER HILL MINES LTD. TO CONDUCT A SIX HOLE DIAMOND DRILL PROGRAM. ALL SIX 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.

THIS REPORT SUMMARIZES THE RESULTS OF THE 1997 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. THE RESULTS OF THE 1996 PROGRAM OF THREE NQ HOLES, PLUS THE 1997 PROGRAM OF FIVE NQ HOLES AND THE 2001 PROGRAM OF SIX NQ HOLES IN THIS AREA AS REPORTED BY WEEKS IS ALSO UTILIZED.

## 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, 1996,1997, 2001 AND 2004 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.

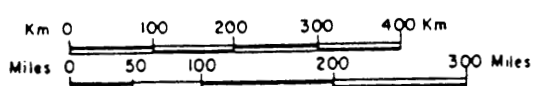
THE FORESTRY COVER ON THE PROPERTY CONSISTS OF MAINLY PINE WITH LESSER SPRUCE AND FIR. THE AREA OF THE 1995 PROGRAM WAS CLEAR-CUT WHILE THE 1996 PROGRAM UTILIZED EXISTING ROADS. THE 1997 PROGRAM UTILIZED BOTH THE ROADS AND THE CLEAR CUT AREA. THE 2001 AND 2004 PROGRAMS UTILIZED CLEAR CUT AREAS ,DRILL TRAILS AND 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.

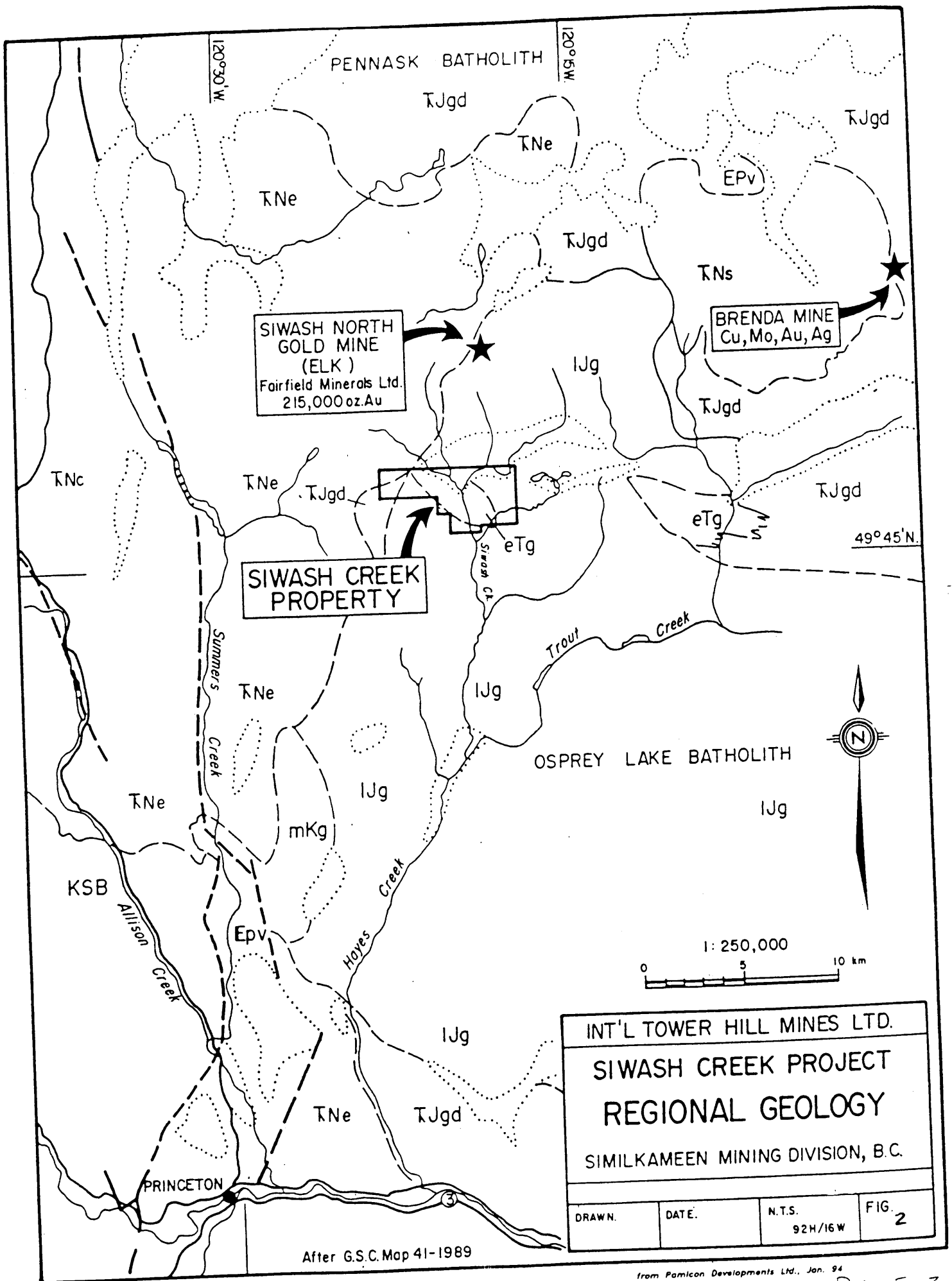


INT'L TOWER HILL MINES LTD.  
 SIWASH CREEK PROJECT  
 PROPERTY LOCATION MAP  
 SIMILKAMEEN MINING DIVISION, B.C.

*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

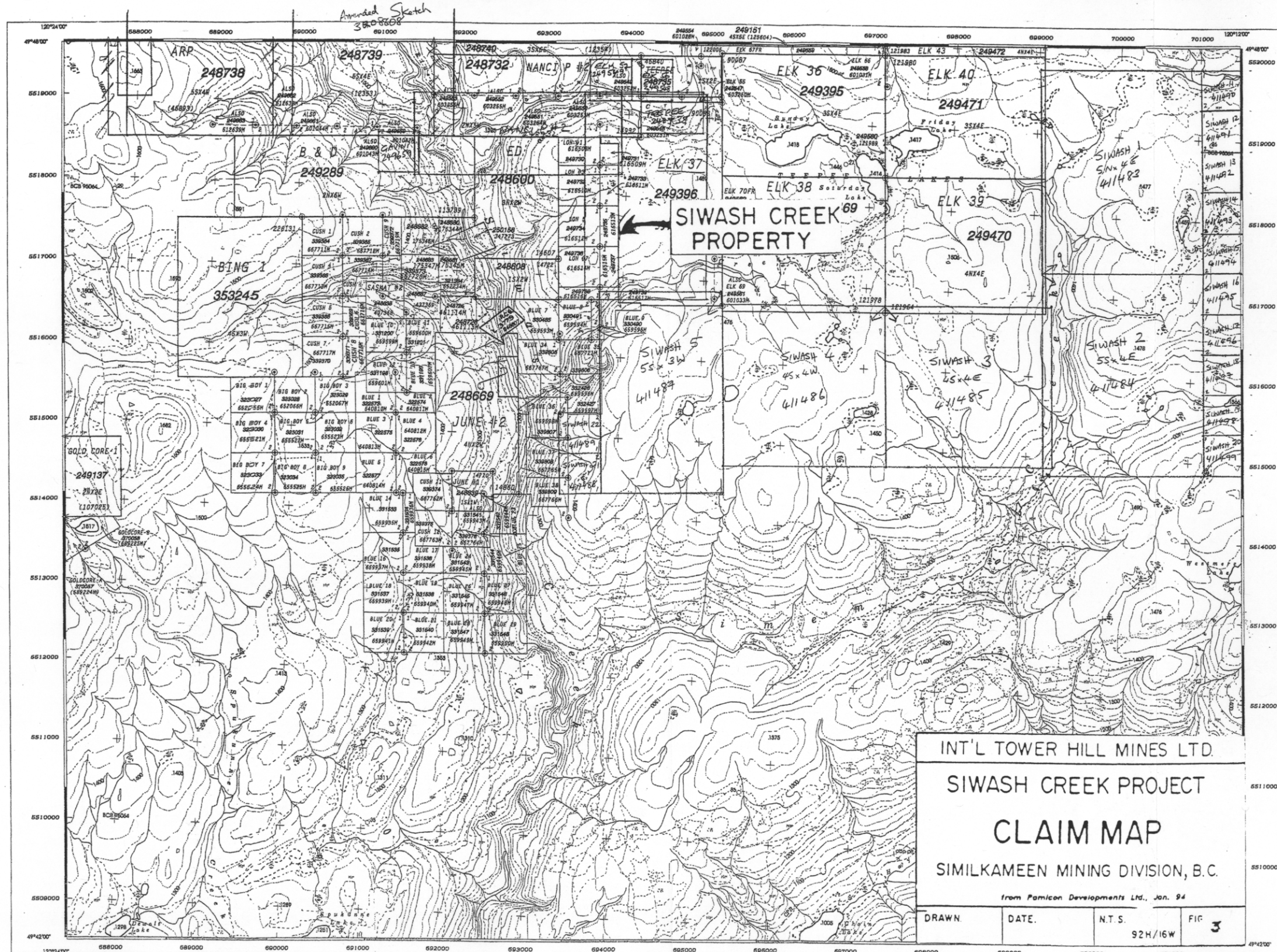
SIWASH CREEK  
PROPERTY

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

From Pamicon Developments Ltd., Jan. 94





**M092H079**  
**MINERAL LEGEND**

- ADMINISTRATIVE AREAS**  
MINING DIVISION;  
SIMILKAMEEN  
LAND DISTRICT;  
KAMLOOPS DIVISION OF YALE
- ADMINISTRATIVE BOUNDARIES**  
MINING DIVISION  
LAND DISTRICT  
PROVINCIAL BOUNDARY  
INTERNATIONAL BOUNDARY  
NO STAKING RESERVE  
ECOLOGICAL RESERVE,  
PARK, OR  
RECREATION AREA  
INDIAN RESERVE  
(SEE NOTES 1)  
CONDITIONAL AREA  
SUBJECT TO CONDITION RESERVE,  
RELEASE REQUIRED RESERVE,  
SECTION 23 RECREATION AREA,  
(SEE NOTES 2)  
OR URANIUM / THORIUM REGULATION  
(SEE NOTES 3)
- MINERAL TENURES**  
MINERAL CLAIM  
MINING LEASE  
INDUSTRIAL MINERAL  
TITLE  
MINING LEASE  
INDUSTRIAL MINERAL  
CLAIM NAME  
TENURE NUMBER  
TAG NUMBER  
CLAIM SIZE (UNITS)  
LEGAL POST  
WITNESS POST  
TENURE HOOK  
VERIFIED  
SURVEYED  
GLOBAL POSITIONING SYSTEM  
CROWN GRANTED 2 POST CLAIM  
F LOT (Paid State Lot)  
REVERTED C.G. 2 POST CLAIMS  
Reverted C.G. (Not Open for Staking)  
BID LOT  
F.L.C. (Issued under a former Act)
- PLANIMETRIC LEGEND**  
**DRAINAGE AND RELATED FEATURES**  
COASTLINE, DEFINITE  
INDEFINITE  
RIVER / STREAM, DEFINITE  
INDEFINITE  
LAKE, DEFINITE  
LAKE, INDEFINITE  
DAM  
DYKE  
BAND / GRAVEL BAR  
FLOODED LAND  
SWAMP / MARSH  
FALLS / RAPIDS  
ICE FIELD / GLACIER  
RESERVOIR, DEFINITE  
RESERVOIR, INDEFINITE  
CLIFF / SCARP  
Esker  
SLIDE  
**LANDMARK FEATURE**  
MINE  
PIER / WHARF  
PIPELINE  
QUARRY  
TRANSMISSION LINE  
**TRANSPORTATION FEATURES**  
AIRFIELD  
OUTLINE / SEISMIC LINE  
RAIL LINE  
RAIL LINE (ABANDONED)  
ROAD, SURFACE PAVED  
ROAD, SURFACE LOOSE  
ROAD, SURFACE ROUGH / TRAIL  
BRIDGE  
**CONTROL DATA**  
HORIZONTAL CONTROL POINT, MARKED  
VERTICAL CONTROL POINT, MARKED  
MAJOR CONTOUR  
MINOR CONTOUR  
CONTOUR INTERVAL - 20 METRES

**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

**DISCLAIMER**  
This map is prepared only as a guide to the location of mineral tenures as shown on the locator's sketches. For current or more specific information, application should be made to the appropriate land administration.

**SOURCES OF INFORMATION**  
Planimetric and topographic information is obtained from the Terrain Resource Information Management (TRIM) base mapping program. For more information contact Geographic Data B.C., Ministry of Environment, Lands and Parks. Source Date: 1998 JUN 24  
Cadastral produced from spatial data is obtained from the Cadastral Data Management System (CDMS). For more information contact the Survey General Branch, Ministry of Environment, Lands and Parks. Source Date: 2003 MAR 08  
This map depicts only the mineral tenure theme. For the placer tenure theme see appropriate placer map and for the coal tenure theme see appropriate coal map.  
Additional tenure information is available on the internet: <http://www.em.gov.bc.ca>

**NOTES FROM MINERAL LEGEND**  
1. Staking is not permitted within Indian Reserves.  
2. Staking is not permitted over Section 23 Recreation Areas due to a No Staking Reserve. (B.C. Reg. 87 / 87)  
3. For Uranium and Thorium Regulations, please refer to Mines Act.

**MISCELLANEOUS NOTES**  
Staking is not permitted over all Crown Granted Lots issued since August 16, 1984. (B.C. Reg. 136 / 84)  
Staking is not permitted within coal waters. (B.C. Reg. 100 / 88)  
Surface title with mineral rights are not shown.  
Please refer to the Mineral Tenure Act, Mineral Tenure Act Regulation, Mines Act, and the Guide to Staking in British Columbia for more complete information.

**GOLD COMMISSIONER OFFICES**

**CARIBOO**  
102 350 Bayview Street  
Vancouver BC V6C 2G3  
Public Query: (250) 992-4301  
FAX: (250) 992-4314  
Mining Division: Cariboo

**VANCOUVER ISLAND**  
3001 1810 Westbank Street  
P.O. Box 6932 5th Floor Govt  
Victoria BC V8W 6R3  
Public Query: (250) 952-0542  
FAX: (250) 952-0541  
Mining Division: Alberni, Nanaimo, and Victoria

**OMINECA**  
1000 Huron Street, Box 6000  
Surrey BC V3V 2N0  
Public Query: (250) 847-7307  
FAX: (250) 847-7322  
Mining Division: Okanagan

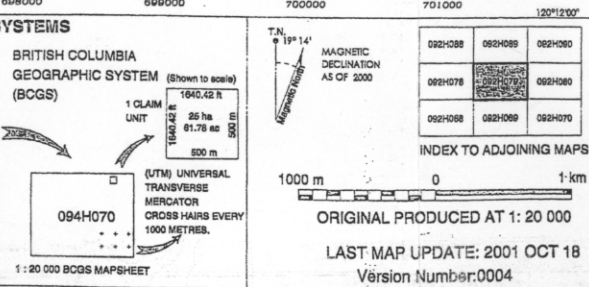
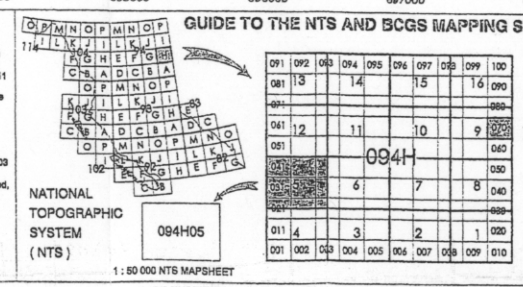
**COAST / LIARD**  
302 885 Hornby Street  
Vancouver BC V6C 2G3  
Public Query: (604) 683-2872  
FAX: (604) 683-2833  
Mining Division: Altn. Clifton, Lard, Liiose, Skeena, New Westminster, and Vancouver

**KAMLOOPS / OKANAGAN**  
230 488 Columbia Street  
Kamloops BC V2C 8K4  
Public Query: (250) 838-4540  
FAX: (250) 838-4233  
Mining Division: Kamloops, Nicola, Osoyoos, Revelstoke, Similkameen, and Vernon

**EAST KOOTENAY**  
100 Cranbrook Street North  
Cranbrook BC V1C 3P6  
Public Query: (250) 428-1111  
FAX: (250) 428-1253  
Mining Division: Fort St. John and Golden

**KOOTENAY**  
310 West Street  
Nelson BC V1L 6S6  
Public Query: (250) 354-6103  
FAX: (250) 354-6407  
Mining Division: Greenwood, Nelson, Slocan, and Trail Creek

OCT 2 4 2001  
GOVERNMENT AGENT  
KAMLOOPS



**BRITISH COLUMBIA**  
**MINISTRY OF ENERGY AND MINES**  
ENERGY AND MINERALS DIVISION  
MINERAL TITLES BRANCH  
**MINERAL TITLES REFERENCE MAP**  
**M092H079**  
1983 North American Datum  
U.T.M. Coordinate System - Zone 10  
Compilation Date: 2000 APR 14

SIMILKAMEEN

M092H079

## 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, NOW ALMADEN MINERALS LTD. HAVE BEEN, AND STILL ARE, EXPLORING FOR, AND EXTRACTING 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 VALUES 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 LTD. 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 PLUS THE RESULTS OF THE 1996, 1997 AND 2001 DIAMOND DRILL PROGRAMS FORMED THE BASIS OF THE RATIONAL TO GO AHEAD WITH THE 2004 FIVE HOLE PROGRAM.

**LIST OF CLAIMS.. 102 CLAIMS, ( INCLUDING THE 17 RECENTLY STAKED CLAIMS ). SEE APPENDIX PAGES 1 TO 4 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.

SIWASH PAGE 6



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

#### **GRID ESTABLISHED BY PAMICON VS U.T.M.COORDINATE SYSTEM**

THE GRID THAT PAMICON ESTABLISHED IN 1993 AND WHICH HAS BEEN USED FOR CONTROL OF ALL PROGRAMS INCLUDING THE 2004 PROGRAM HAS BECOME MOSTLY UNUSABLE. UTILIZING THE U.T.M. COORDINATE SYSTEM IT WAS FOUND THAT THE PAMICON GRID OVERLIES THE U.T.M. GRID. THEREFORE IT IS RECOMMENDED THAT IN THE FUTURE THE U.T.M. GRID BE UTILIZED. ALL 2004 DRILL HOLES WILL SHOW BOTH GRIDS. AND THE PLAN OF THE HOLE LOCATIONS SHOWN IN FIGURE 5 WILL HAVE BOTH GRID SYSTEMS INDICATED.

#### **2004 DRILL PROGRAM (FIGURES 6 TO 11 INCLUSIVE)**

THIS PROGRAM WAS COMPLETED BETWEEN MAY 19 AND JUNE 19, 2004. THE WORK WAS PERFORMED BY LONE RANGER DIAMOND DRILLING OF LUMBY, B C UNDER THE SUPERVISION OF ROSS WEEKS OF DARTMOUTH, N S . THE DRILL OWNER/OPERATOR WAS KEN CALDWELL OF LUMBY, B C , A DRILLER WITH SOME 31 YEARS EXPERIENCE.

THE NQ CORE WAS LOGGED GEOLOGICALLY BY ROSS WEEKS. FOR GEOLOGICAL LOGS SEE APPENDIX PAGES 7 TO 14 INCL.

THE SECTIONS OF CORE SELECTED FOR ASSAYING WERE SENT TO ALS CHEMEX IN THEIR ENTIRETY. NO CORE WAS SPLIT. ALL SELECTED SAMPLES WERE PRECEDED BY AND FOLLOWED BY A BARREN SAMPLE. ALL SULPHIDES, HEMATITE, MAGNETITE AND QUARTZ WERE SAMPLED. NO SAMPLES CROSSED GEOLOGICAL BOUNDARIES. APPROXIMATELY 196 M OF QUARTZ FELDSPAR PORPHYRY, 743 M OF GRANODIORITE AND 74M OF META-VOLCANICS WERE INTERSECTED.

ALS CHEMEX UTILIZED THEIR ME-ICP41 WHICH IS A 34 ELEMENT AQUA REGIA ICP-AES PROCEDURE. SELECTED SAMPLES WERE RUN FOR GOLD BY THE FIRE ASSAY METHOD. SEE APPENDIX PAGES FOR RESULTS.

THE SAMPLE DATA FOR EACH HOLE IS GIVEN ON THE PAGE FOLLOWING THE SECTION OF THAT HOLE. INFORMATION LISTED CONSISTS OF ;

SAMPLE # FROM TO DIST. AG AU CU ( ALL IN PPM )

**DDH 04-1**

THIS DDH DRILLED ON AZ 180 DEG AT A DIP OF -57 DEG ON SECTION 54+90 E ( 10692988 ), AT 53+20 N(5518621 ), EL 1429 M, INTERSECTED MOSTLY GRANODIORITE AND DID NOT INTERSECT THE META-VOLCANICS LOCATED IN DDH 01-1. THIRTY TWO SAMPLES WERE EXTRACTED FROM THIS HOLE. MOST OF THE SAMPLES WERE OF ALTERED GRANODIORITE, GOUGE OR SILICA ENRICHED AREAS. FIFTEEN OF THESE SAMPLES WERE SENT FOR FIRE ASSAYING FOR GOLD,

**DDH 04-2**

WAS DRILLED ON SECTION 55+90 E ( 10693092 ) AT 50+30 N (5518342 ), AZ 360 DEG, DIP -57 DEG ; EL 1429 M. THIS HOLE INTERSECTED MAINLY GRANODIORITE AND QUARTZ-FELDSPAR PORPHYRY. NO META VOLCANICS NOTED.

THIRTY FOUR SAMPLES WERE SENT FOR ASSAYING FROM THIS HOLE , TWELVE OF WHICH WERE SENT FOR FIRE ASSAYING FOR GOLD.

**DDH 04-3**

WAS DRILLED ON SECTION 58+00E ( 10693302 ), 50+90 N (5518393 ), AZ 360 DEG, DIP -57 DEG, EL 1448 M. THIS HOLE INTERSECTED TWO SHORT INTERSECTIONS OF META-VOLCANICS AS WELL AS TO VERY SHORT INTERSECTIONS OF MILL ROCK SEPERATED BY 34.5 M OF QUARTZ-FELDSPAR PORPHYRY. THE OTHER SIGNIFICANT ROCK TYPE INTERSECTED WAS GRANODIORITE.

FORTY THREE SAMPLES FOR ASSAYING WERE TAKEN FROM THIS HOLE. ELEVEN OF THE MOST INTERESTING RESULTS WERE FURTHER FIRE ASSAYED FOR GOLD. A LARGE PORTION OF THE SAMPLES WERE OF FAULT ZONES AND THE ACCOMPANYING ALTERATION ZONE.

**DDH04-4**

WAS DRILLED ON 62+00 E ( 10693659 ), 51+50 N ( 5518456 ), AZ 360 DEG, DIP -57 DEG, EL 1440 M. GRANODIORITE WAS INTERSECTED FROM THE COLLAR TO 180.6 M WITH THE REMAINDER OF TH 200.0 M HOLE IN QUARTZ-FELDSPAR PORPHYRY. NO SIGNIFICANT META-VOLCANICS.

THIS HOLE YEILDED TWENTY TWO SAMPLES FOR ASSAYING AND ONLY ONE OF THESE WAS SENT FOR FIRE ASSAYING.

**DDH 04-5**

WAS DRILLED ON SECTION 52+70 E 10692769 ), 52+30 N ( 5518531 ), AZ 360 DEG, DIP -75 DEG, EL 1378 M. HE FIRST 61.5 M OF THE HOLE INTERSECTED QUARTZ-FELDSPAR PORPHYRY WHILE THE REMAINING 41.2 M OF THE 102.7 M HOLE INTERSECTED META-VOLCANICS WHICH WAS HIGHLY FRACTURED AND THE FRACTURES CONTAINED VARYING AMOUNTS OF QUARTZ, CARBONATE AND HEMATITE.

HOLE 04-5 YIELDED TWENTY THREE SAMPLES FOR ASSAYING AND ONLY ONE OF THESE WAS SENT FOR FIRE ASSAYING.

AREA 1, 2004 ( FIGURES 6 TO 11 INCL. )

AREA 1 COVERS THE SAME AREA, PLUS EXTENSION, OF THE 1995, 1996, 1997, 2001 AND 2004 PROGRAMS. IN 2004 FIVE ADDITIONAL HOLES ON NORTH-SOUTH SECTIONS WERE DRILLED TO FURTHER INVESTIGATE AND ENLARGE THE AREA OF INTERESTING MINERALIZATION IN THE PROGRAMS RUN TO DATE.

ALL FIVE HOLES 04-1 TO 04-5 INCLUSIVE INTERSECTED BOTH THE GRANODIORITE ( INTRUSIVE GRANITE IN THE 1997 REPORT , SEE DDH 97-4) AND THE METAVOLCANICS. ALL CONTACTS BETWEEN THE GRANODIORITE AND THE METAVOLCANICS STRIKE ROUGHLY E-W AND DIP STEEPLY TO THE SOUTH.

WHERE THE SHEARING/FAULTING IS MOST CLOSELY SPACED HEMATITE AND MAGNETITE HAVE INVADDED THE FRACTURES. MANY QUARTZ / CARBONATE/ HEMATITE/MAGNETITE VEINLETS WERE ENCOUNTERED AND MOST OF THEM HAVE A CHLORITIC HALO. THE CHLORITE HALO APPEARS TO VARY IN WIDTH DEPENDING ON THE WIDTH OF THE VEINLET. IN PLACES BECAUSE OF THE PROXIMITY OF THE FRACTURES TO EACH OTHER THE ROCK HAS TAKEN ON A GREENISH COLOUR.

SOME ERRATIC VEINLETS AND FRACTURES CONTAIN VARYING AMOUNTS OF SULPHIDES ( MOSTLY PYRITE ).

NO QUARTZ VEINS IN EXCESS OF 10 CM IN WIDTH WERE NOTED.

IN MOST CASES IT WAS DIFFICULT TO ASCERTAIN THE TRUE CONTACT BETWEEN THE GRANODIORITE AND THE META VOLCANICS.

WHERE THE ROCK WAS DARK IN COLOUR, FINE-GRAINED AND ALTERED IT WAS CALLED METAVOLCANICS. MOST OF THE ALTERATION WAS IN THE FORM OF CHLORITE AND IN SOME CASES HEMATITE AND SCATTERED FINE-GRAINED BIOTITE.

WHERE THE ROCK WAS SILICOUS ,COARSE-GRAINED AND LIGHTER IN COLOUR IT WAS NOTED AS GRANODIORITE. THE GRANODIORITE WAS MADE UP OF ESSENTIALLY QUARTZ, FELDSPAR AND FINE BIOTITE.

THE QUARTZ-FELDSPAR PORPHYRY IS A VERY DISTINCTIVE LOOKING UNIT WITH VERY LARGE FELDSPAR CRYSTALS AND LARGE QUARTZ EYES IN A FINE GRAINED YELLOWISH-WHITE GROUNDMASS.

IN ALL CASES THE ONLY MINERALIZATION NOTED IN ANY ROCK TYPE WAS ALONG FRACTURES.

SIWASH PAGE 9A

691000

692000

692750

693000

694000

695000

696000

120° 16' 00"

FIG 4  
PAGE 10

5519000

5518000

5517000

5516000

5515000

5514000

SUNDAY  
LAKE

CREEK

GALENA

CREEK

TEPEE  
CREEK

AREA 2  
1996

AREA 1  
1996  
1997  
2001  
2004

SIWASH

LEGEND

ROAD

STREAM

INTERNATIONAL TOWER HILL MINES LTD.  
SIWASH CREEK PROJECT

1997 WORK AREA PLAN

MODIFIED DEC. 1996 FROM UTM GRID  
ZONE 10 (1978)

DRAWN BY:  
HENRY F.

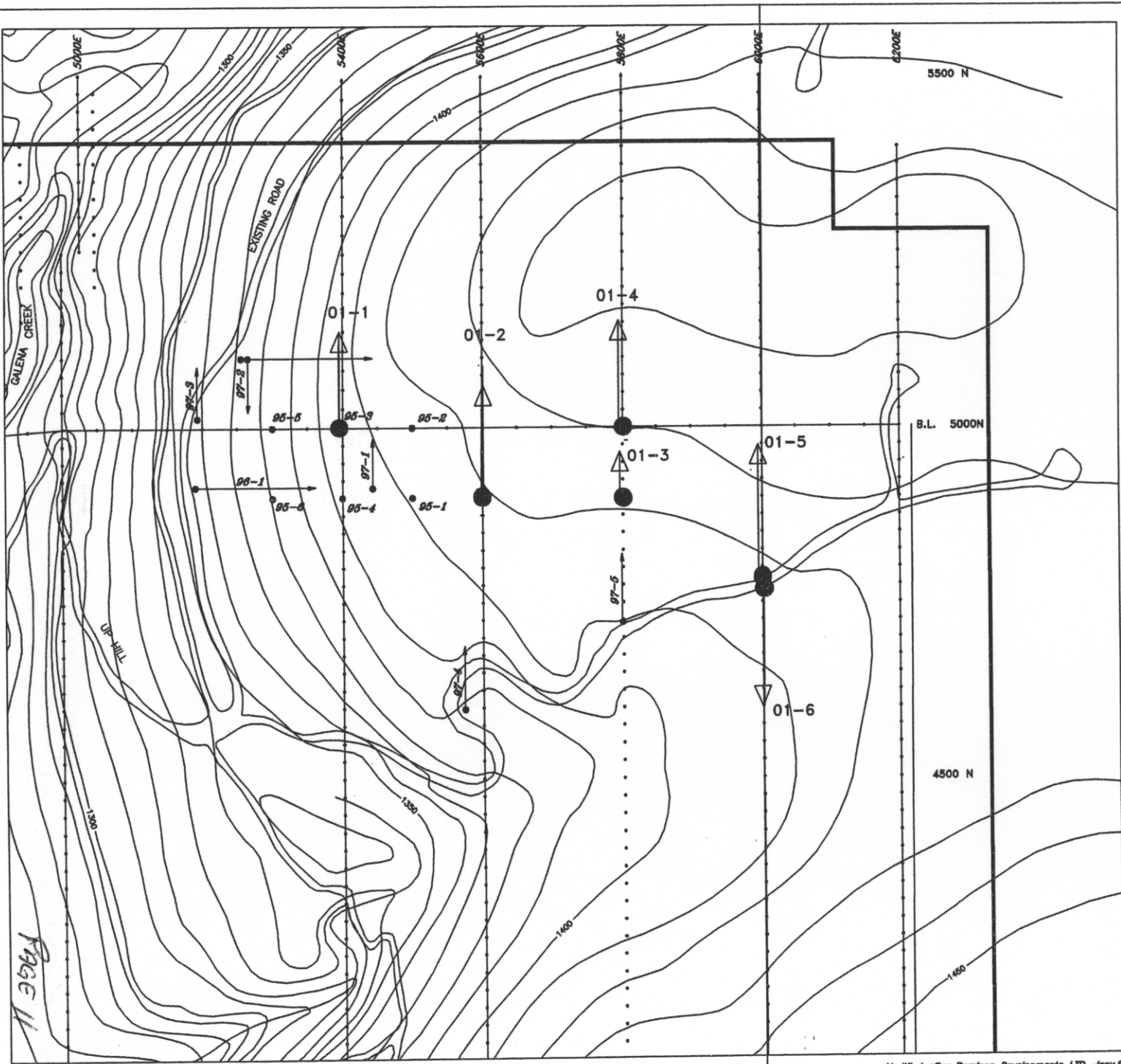
DATE:  
DEC 5, 1996

SCALE:  
1:10,000

FIGURE: 4

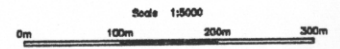
PAGE

10



**LEGEND**

- 01-1 Drill hole locations



INTERNATIONAL TOWER HILL MINES LTD.  
SIWASH CREEK PROJECT

**DRILL HOLE LOCATIONS**  
1995, 1996, 1997 AND 2001

Drawn S. Tremblay	Date March 1996	N.T.S. 92 H/18W	Figure 5
Revisions JUNE, 2001			

Page 11

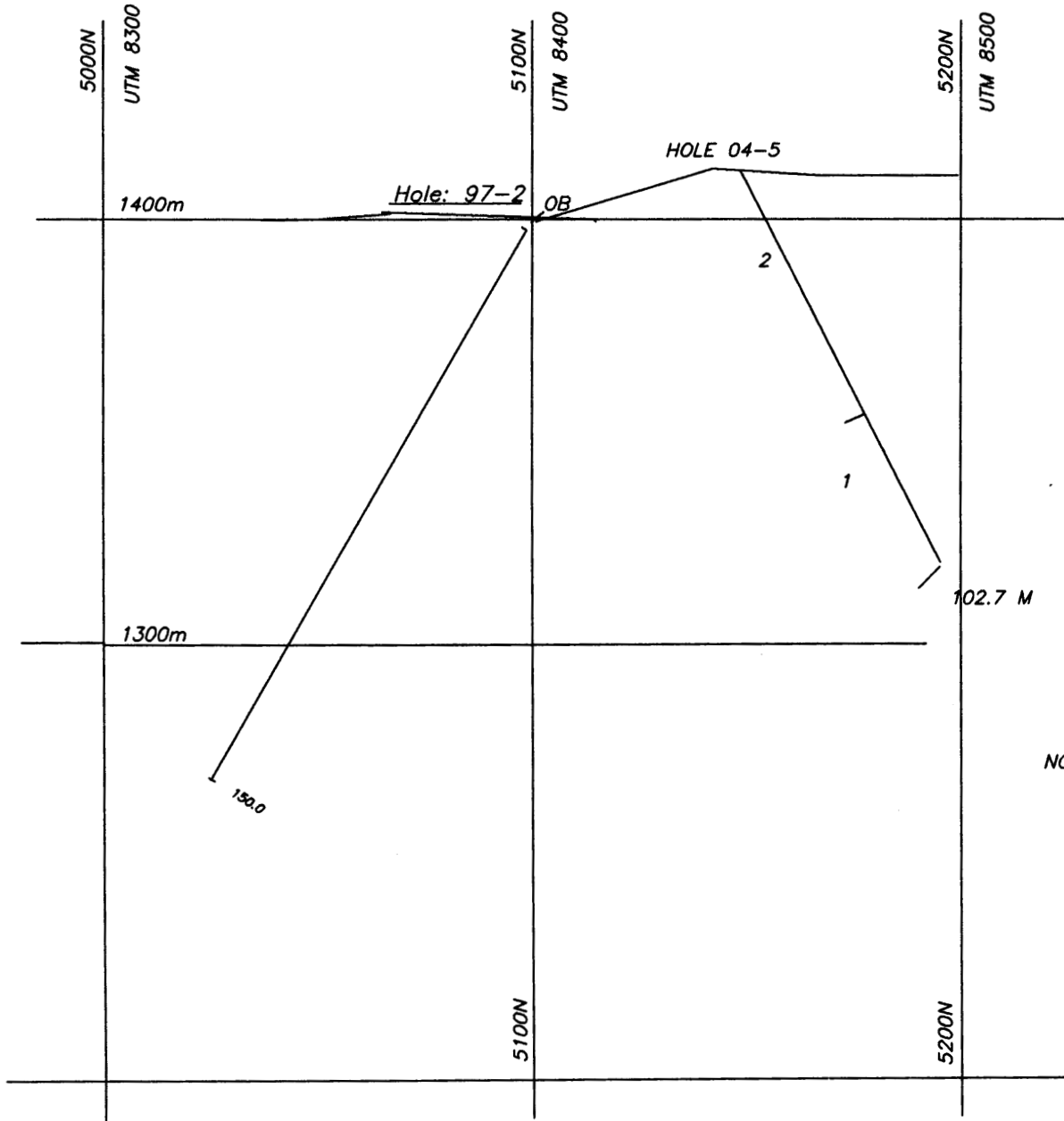
Modified after Parlicon Developments LTD. Janv.94

R200 11



**LEGEND**

- ① GRANODIORITE
- ② QUARTZ FELDSPAR PORPHYRY
- ③ GRANITE
- GRANODIORITE BRECCIA



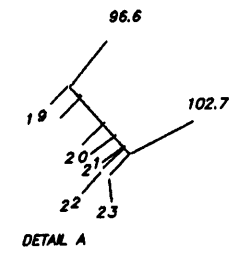
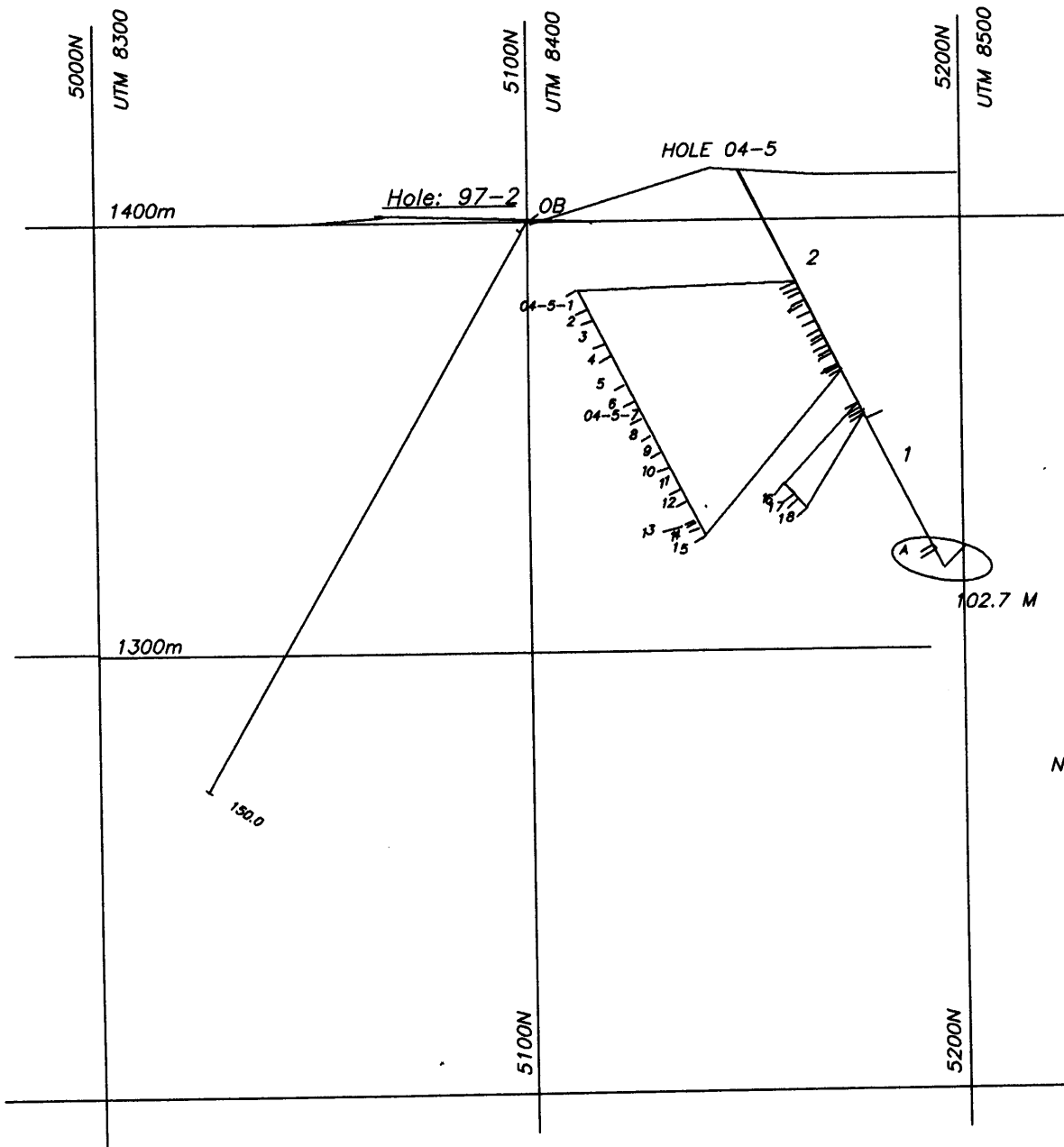
NOTE UTM COORD. LAST 4 NUMBERS

REDRAWN BY R WEEKS JUNE 26, 2004

INTERNATIONAL TOWER HILL MINES LTD.			
SIWASH CREEK PROJECT			
SECTION 52+70 E 97-2 DDH			
LOOKING WEST 04-5 DDH			
DRAWN BY: ROSS WEEKS	DATE: JUNE 26/04	SCALE: AS SHOWN	FIGURE 6

**LEGEND**

- ① GRANODIORITE
- ② QUARTZ FELDSPAR PORPHYRY
- ③ GRANITE
- GRANODIORITE BRECCIA



NOTE UTM COORD. LAST 4 NUMBERS

REDRAWN BY R WEEKS JUNE 26, 2004

INTERNATIONAL TOWER HILL MINES LTD.			
SIWASH CREEK PROJECT			
SECTION 52+70 E 97-2 DDH			
LOOKING WEST 04-5 DDH			
DRAWN BY: ROSS WEEKS	DATE: JUNE 26/04	SCALE: AS SHOWN	FIGURE 6A

Page 12 A

INTERNATIONAL TOWER HILL MINES LTD  
 SIWASH COPPER PROPERTY

FILE DDH045A

HOLE NUMBER DDH 04 - 5      STARTED      JUNE 16/04

LOCATION      GRID NORTH 52+30  
                   GRID EAST            52+70  
                   AZIMUTH            360 DEG.  
                   DIP                 - 57 DEG.  
                   CORE SIZE         N Q

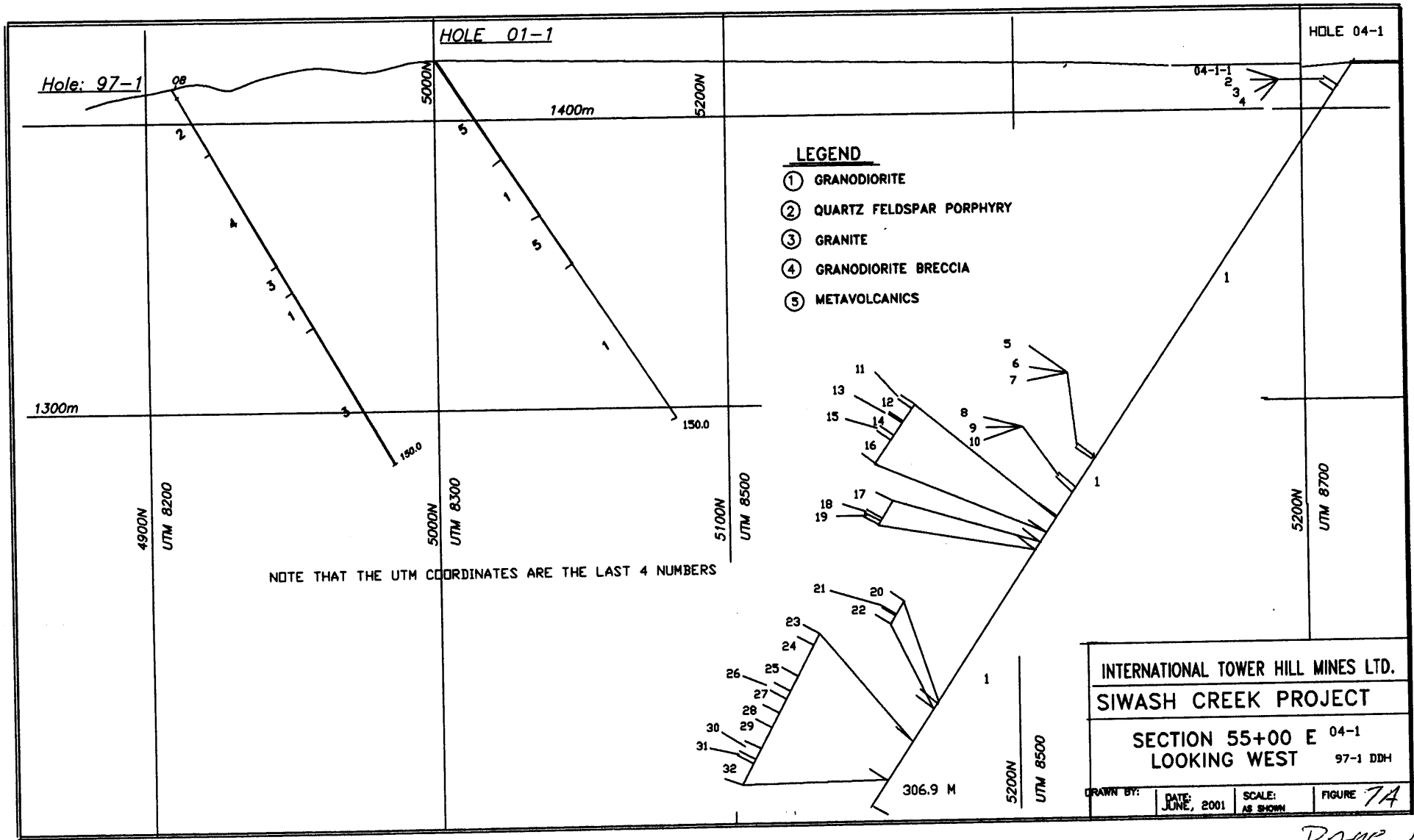
GPS                    NORTHING            5518531  
                           EASTING            10692769  
                           ELEVATION         1378 M

DDH 04 - 5

SAMPLE #	FROM M	TO M	DIST M	ASSAYS		
				AG PPM	AU PPM	CU PPM
04-5-						
1	29.30	31.00	2.70	-0.2		4
2	31.00	31.80	0.80	0.7		34
3	31.80	33.80	2.00	1.0		4
4	33.80	34.60	0.80	0.8		4
5	34.60	37.20	2.60	1.2		76
6	37.20	38.70	1.50	2.0		104
7	38.70	40.20	1.50	0.4		37
8	40.20	41.70	1.50	0.3		39
9	41.70	43.00	1.30	0.4		91
10	43.00	45.00	2.00	0.3		48
11	45.00	46.00	1.00	0.3		48
12	46.00	47.50	1.50	0.2		32
13	50.40	50.60	0.20	0.2		15
14	50.60	51.00	0.40	0.5		52
15	51.00	51.80	0.80	0.2		16
16	60.00	61.00	1.00	0.2		20
17	61.00	61.50	0.50	-0.2		32
18	61.50	62.50	1.00	0.3		71
19	96.60	97.60	1.00	0.3		33
20	100.00	101.20	1.20	0.2		54
21	101.20	102.20	1.00	0.2		71
22	102.20	102.30	0.10	9.6	0.494	1000

SAMPLE # 04-5-23 IS THE LAST SAMPLE IN DDH 04-5





**LEGEND**

- ① GRANODIORITE
- ② QUARTZ FELDSPAR PORPHYRY
- ③ GRANITE
- ④ GRANODIORITE BRECCIA
- ⑤ METAVOLCANICS

NOTE THAT THE UTM COORDINATES ARE THE LAST 4 NUMBERS

INTERNATIONAL TOWER HILL MINES LTD.		
SIWASH CREEK PROJECT		
SECTION 55+00 E		04-1
LOOKING WEST		97-1 DDH
DRAWN BY:	DATE: JUNE, 2001	SCALE: AS SHOWN
		FIGURE 7A

INTERNATIONAL TOWER HILL MINES LTD  
 SIWASH COPPER PROPERTY

FILE DDH041A

HOLE NUMBER DDH 04 - 1      STARTED MAY 24/04

LOCATION      GRID NORTH 53+20  
                     GRID EAST            54+90  
                     AZIMUTH            180 DEG.  
                     DIP                 - 57 DEG.  
                     CORE SIZE           N Q

GPS                    NORTHING            5518621  
                           EASTING            10692988  
                           ELEVATION         1429 M  
    DDH 04 - 1

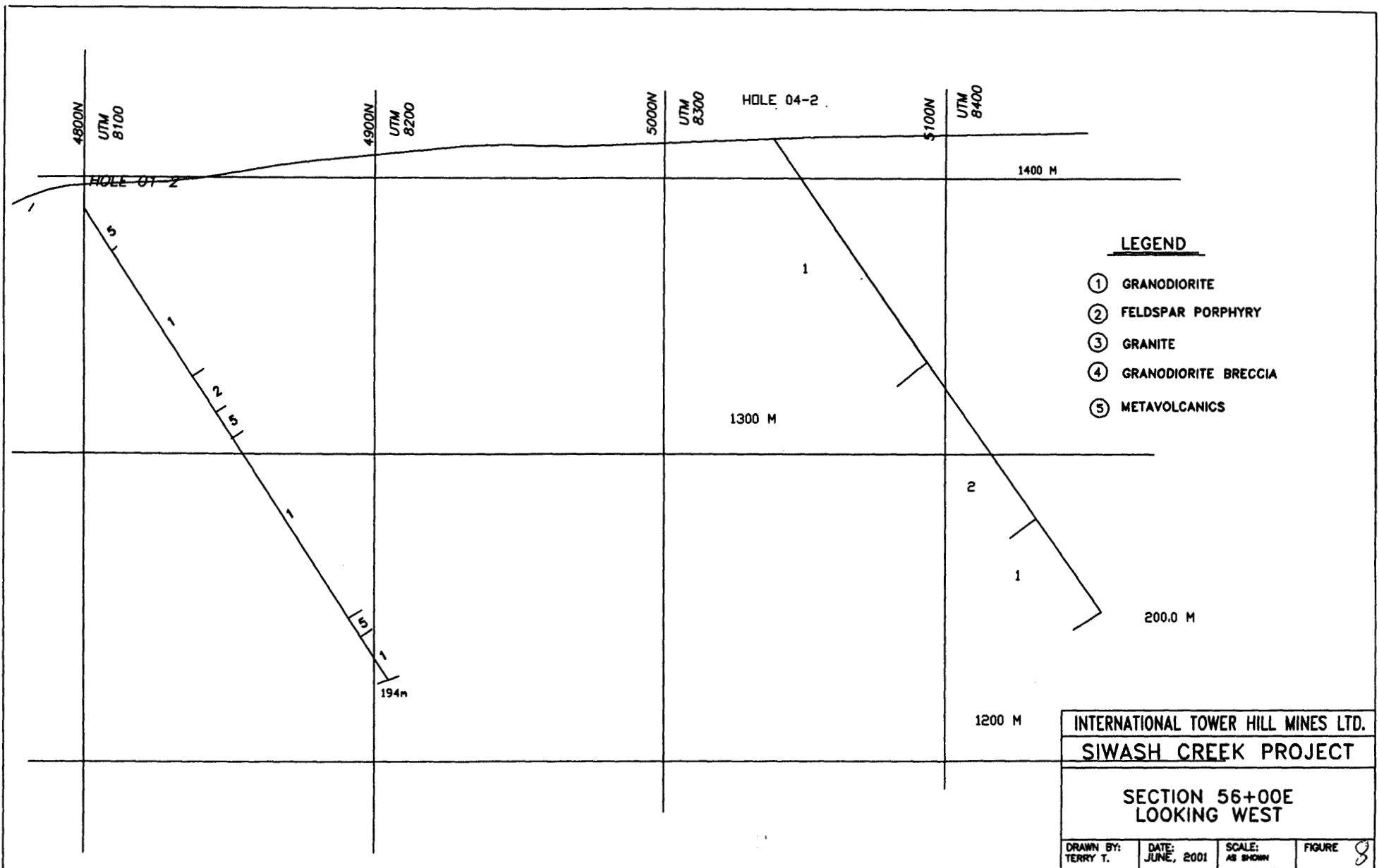
SAMPLE #	FROM M	TO M	DIST M	ASSAYS			
				AG PPM	AU PPM	CU PPM	
04-1-							
1	10.20-10.45		0.25	0.2		2	BARREN
2	10.45-10.60		0.15	-0.2		2	QTZ VEIN
3	10.60-11.28		0.68	1.0		49	SHEARED
4	11.28-12.65		1.37	0.3		20	
5	163.25-164.00		0.75	1.2		11	
6	164.00-164.20		0.20	3.9	0.015	254	
7	164.20-164.50		0.30	0.9		55	
8	177.00-177.60		0.60	0.2		5	
9	177.60-177.80		0.20	1.6	-0.005	79	
10	177.80-178.50		0.70	-0.2		4	
11	186.70-187.20		0.50	0.2		6	
12	187.20-189.00		1.80	0.6		11	
13	189.00-189.20		0.20	4.4	0.076	125	
14	189.20-190.80		1.60	1.1	10.005	52	
15	190.80-191.50		0.70	0.8		44	
16	191.50-195.00		3.50	1.3		48	
17	198.00-200.60		2.60	1.7		27	
18	200.60-200.70		0.10	13.1	0.008	77	
19	200.70-201.30		0.60	0.7		7	
20	263.00-265.00		2.00	0.9		32	
21	265.00-265.02		0.02	28.8	0.040	+ 10000	



ASSAYS FOR DDH 04-1 CONT'D

SAMPLE #	FROM M	TO M	DIST M	AG PPM	AU PPM	CU PPM
22	265.02	266.00	0.98	0.4	-0.005	110
23	279.50	281.00	1.50	3.4	-0.005	44
24	281.00	285.00	4.00	1.1	-0.005	30
25	285.00	287.00	2.00	0.7	-0.005	22
26	287.00	288.00	1.00	1.3	0.008	29
27	288.00	290.00	2.00	0.5	0.005	18
28	290.00	292.00	2.00	3.6	0.009	138
29	292.00	295.00	3.00	0.4		24
30	295.00	296.50	1.50	0.8		24
31	296.50	297.00	0.50	3.8	0.009	300
32	297.00	299.00	2.0	0.2		17

SAMPLE 04-1-32 LAST SAMPLE IN DDH 04-1



**LEGEND**

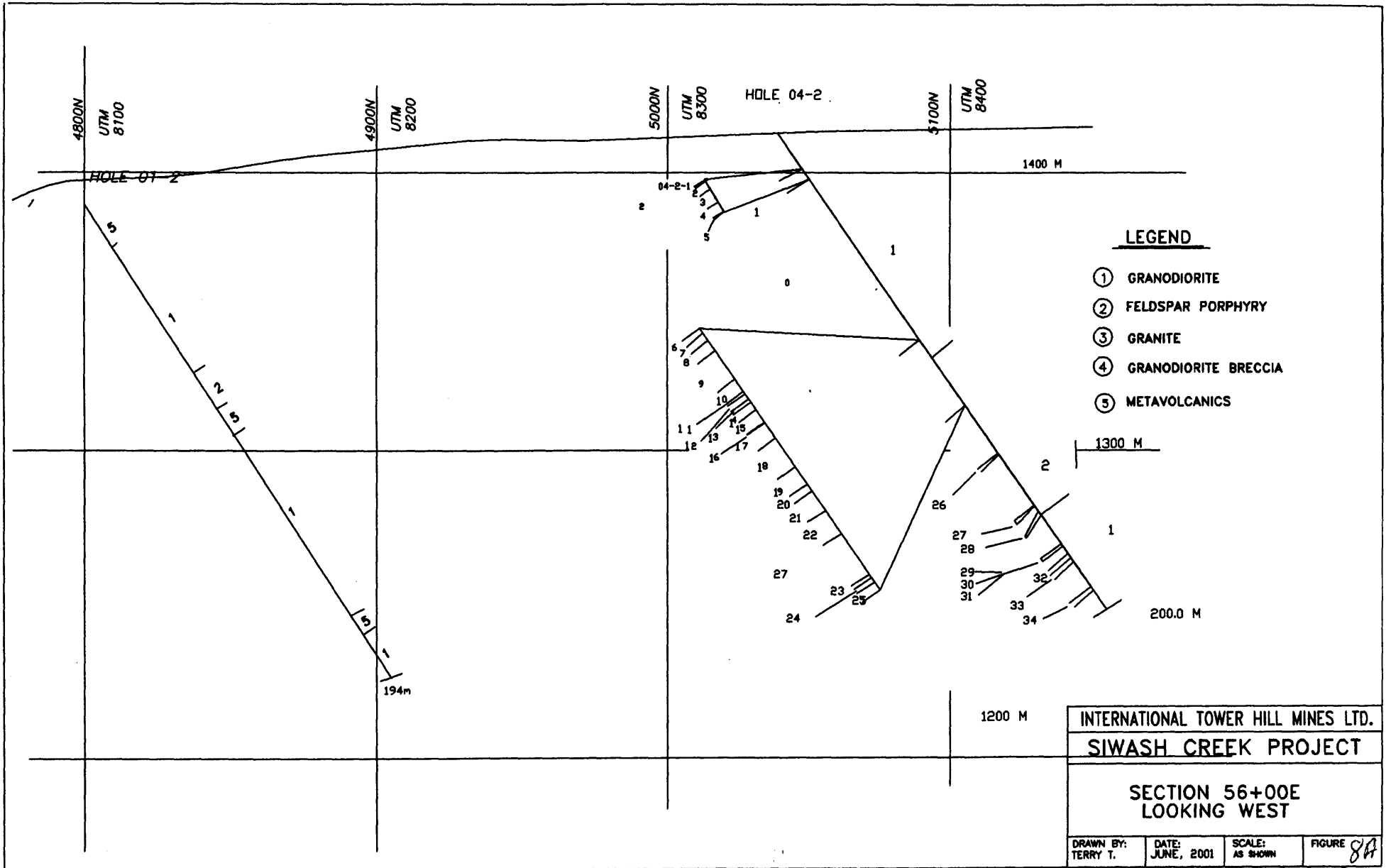
- ① GRANODIORITE
- ② FELDSPAR PORPHYRY
- ③ GRANITE
- ④ GRANODIORITE BRECCIA
- ⑤ METAVOLCANICS

INTERNATIONAL TOWER HILL MINES LTD.  
 SIWASH CREEK PROJECT

SECTION 56+00E  
 LOOKING WEST

DRAWN BY: TERRY T.	DATE: JUNE, 2001	SCALE: AS SHOWN	FIGURE 8
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*DR. 114*



INTERNATIONAL TOWER HILL MINES LTD  
 SIWASH COPPER PROPERTY

FILE DDH042A

HOLE NUMBER DDH 04 - 2      STARTED      JUNE 8/04

LOCATION      GRID NORTH 50+30  
                   GRID EAST            55+90  
                   AZIMUTH            360 DEG.  
                   DIP                 - 57 DEG.  
                   CORE SIZE         N Q

GPS                    NORTHING            5518342  
                           EASTING            10693092  
                           ELEVATION         1429 M

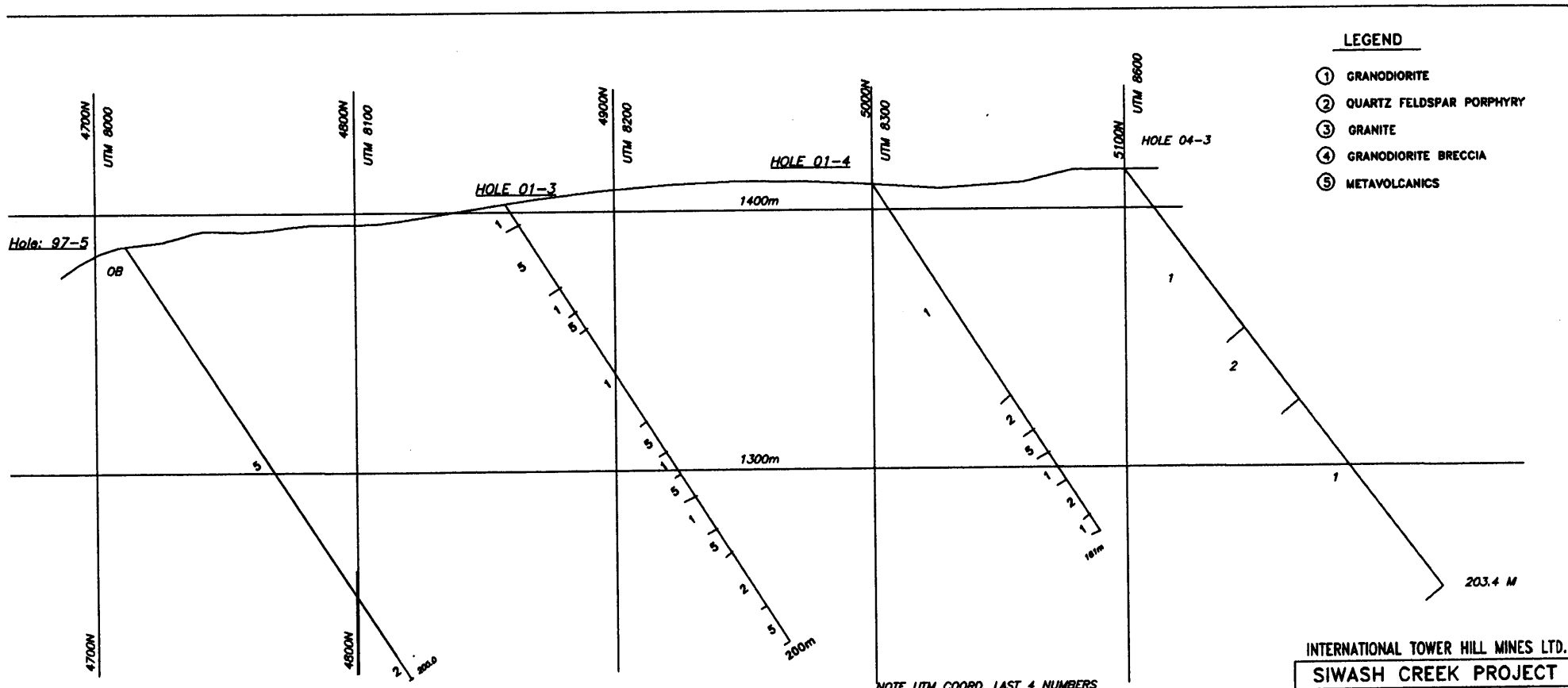
DDH 04 - 2

SAMPLE #	FROM M	TO M	DIST M	ASSAYS		CU PPM
				AG PPM	AU PPM	
04-2-						
1	15.00-15.40		0.40	-0.02		4
2	15.40-16.40		1.00	5.1	0.066	51
3	16.40-18.20		1.80	7.2	0.053	495
4	18.20-19.50		1.30	0.6		11
5	19.50-19.54		0.04	0.4		30
6	86.80-87.30		0.50	7.1	0.346	498
8	88.00-89.10		1.10	1.4		71
9	89.10-92.10		3.00	0.3		14
10	92.10-93.50		1.40	-0.02		8
11	93.50-93.70		0.20	6.2	0.049	256
12	93.70-94.20		0.50	0.7		70
13	94.20-94.50		0.30	7.0	0.455	5210
14	94.50-95.30		0.80	0.3		60
15	95.30-96.50		1.20	0.5		34
16	96.50-96.60		0.10	5.7	3.380	932
17	96.60-98.15		1.55	0.6		44
18	98.15-101.20		3.05	0.7	0.017	20
19	101.20-103.30		2.10	0.4		63
20	103.30-104.30		1.00	3.1	0.232	198
21	104.30-106.50		2.20	1.6	0.022	61
22	106.5-109.00		2.50	1.2		156
23	11.30-113.60		0.30	0.2		11
24	113.6-113.63		0.03	0.2		19

ASSAYS CONT'S FOR DDH 04-2

SAMPLE #	FROM M	TO M	DIST M	AG PPM	AU PPM	CU PPM
04-2-						
25	113.63	114.20	0.57	0.2		12
26	134.3	134.95	0.55	0.3		3
27	156.20	156.40	0.20	0.2		11
28	158.80	160.50	1.70	1.6	-0.005	512
29	172.50	172.80	0.30	-0.2		4
30	172.80	173.10	0.30	0.4		10
31	173.10	173.50	0.40	-0.2		7
32	176.50	177.40	0.90	0.9	-0.005	672
33	177.40	180.00	2.60	3.4	0.005	296
34	190.00	192.00	2.00	0.2		98

SAMPLE # 04-2-34 LAST SAMPLE IN DDH 04-2



**LEGEND**

- ① GRANODIORITE
- ② QUARTZ FELDSPAR PORPHYRY
- ③ GRANITE
- ④ GRANODIORITE BRECCIA
- ⑤ METAVOLCANICS

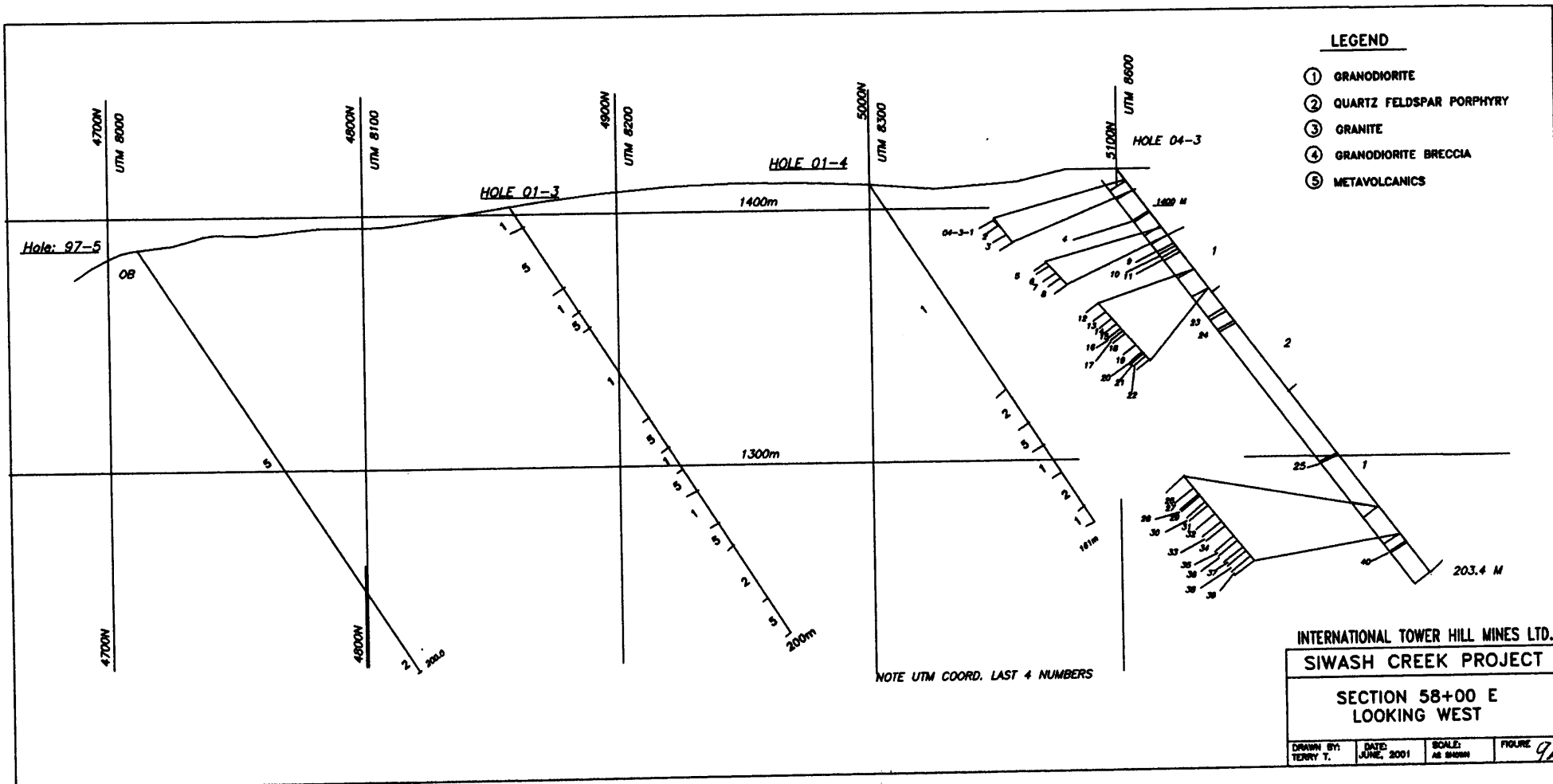
INTERNATIONAL TOWER HILL MINES LTD.  
 SIWASH CREEK PROJECT

SECTION 58+00 E  
 LOOKING WEST

DRAWN BY: TERRY T.	DATE: JUNE, 2001	SCALE: AS SHOWN	FIGURE 9
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NOTE UTM COORD. LAST 4 NUMBERS





INTERNATIONAL TOWER HILL MINES LTD  
 SIWASH COPPER PROPERTY

FILE DDH043A

HOLE NUMBER DDH 04 - 3 STARTED JUNE 4/04

LOCATION GRID NORTH 50+90  
 GRID EAST 58+00  
 AZIMUTH 360 DEG.  
 DIP - 57 DEG.  
 CORE SIZE N Q

GPS NORTHING 5518393  
 EASTING 10693302  
 ELEVATION 1448 M

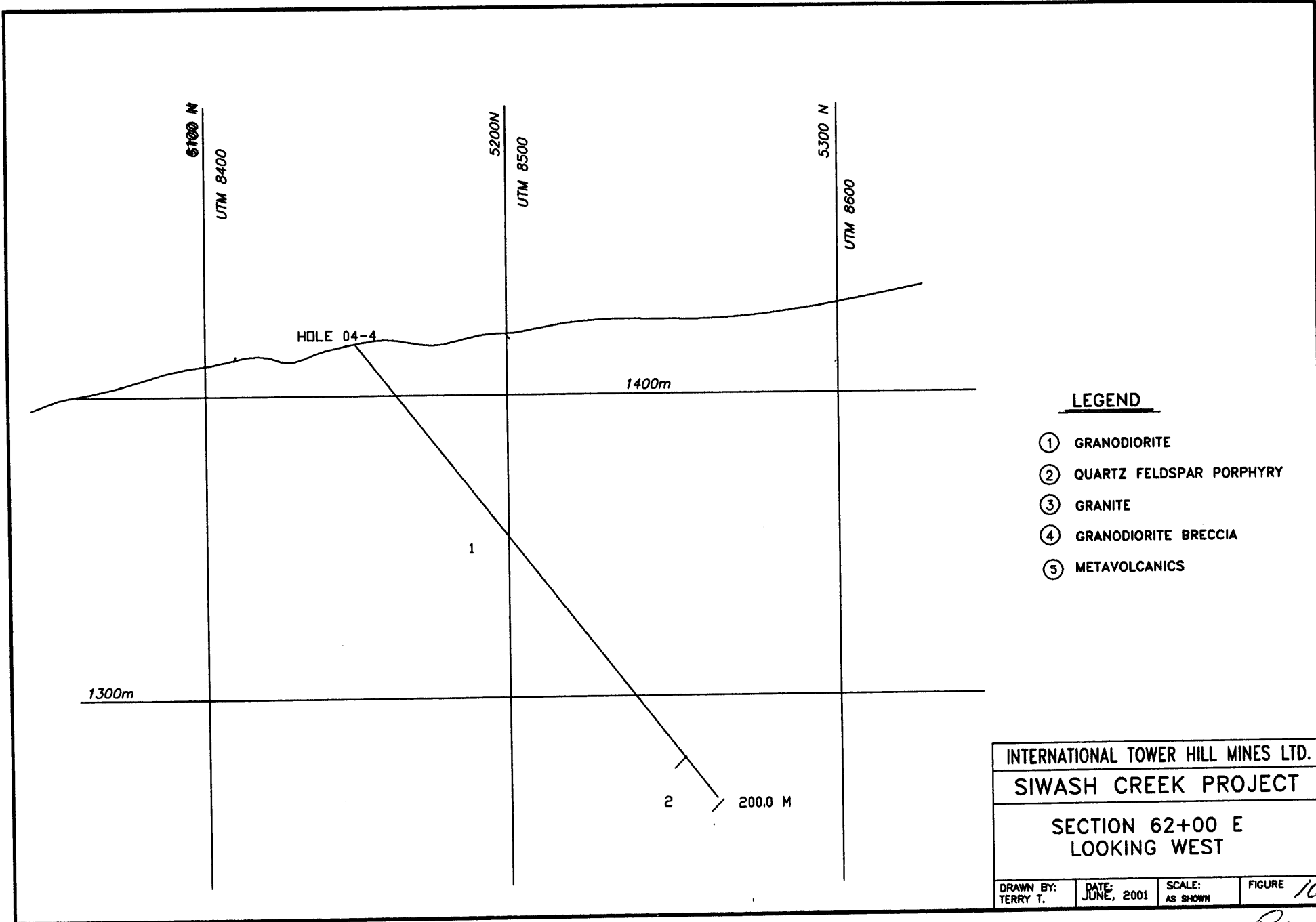
DDH 04 - 3  
 ASSAYS

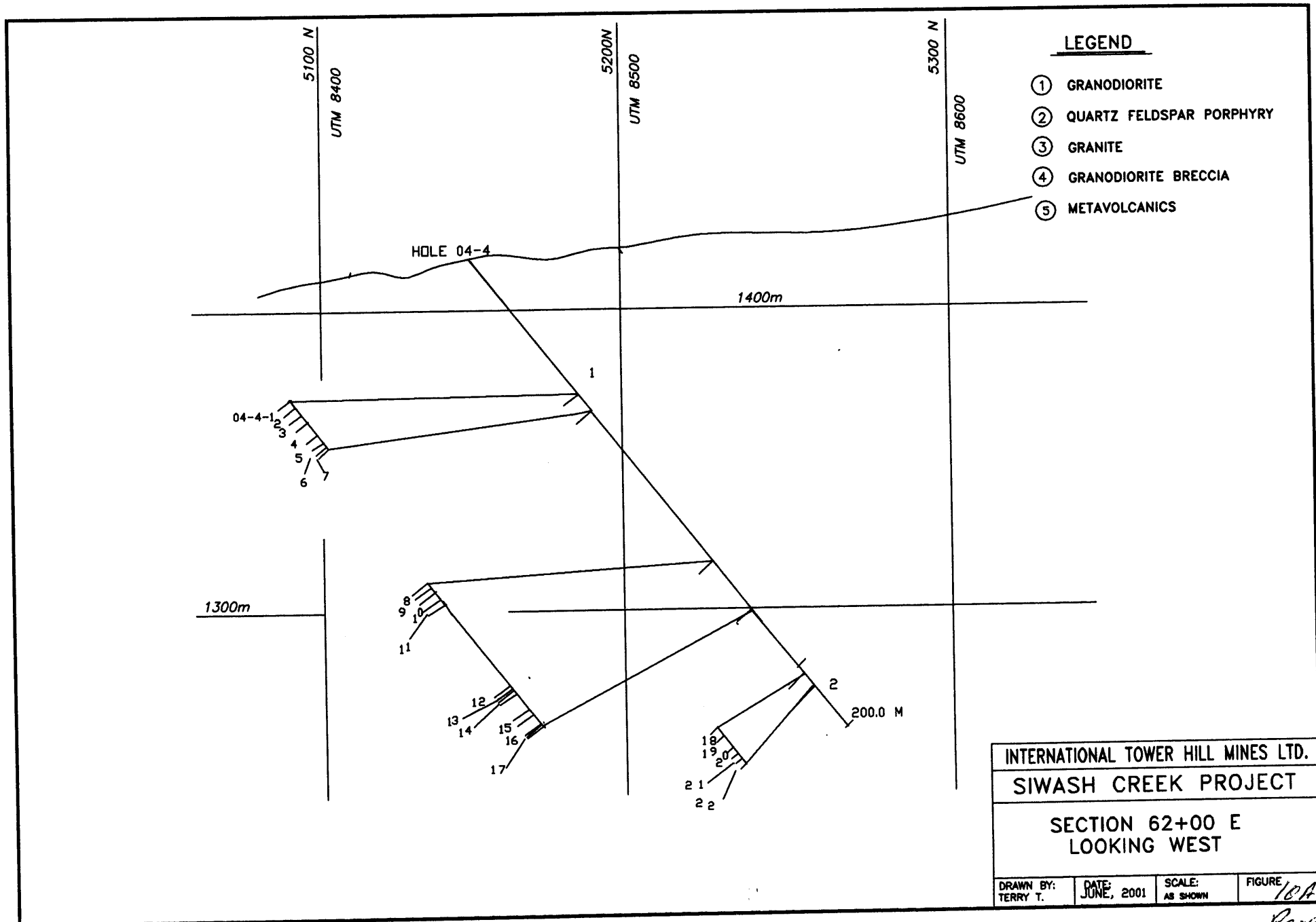
SAMPLE #	FROM M	TO M	DIST M	AG PPM	AU PPM	CU PPM
04-3-						
1	5.20	6.30	1.10	-0.2		16
2	6.30	8.10	1.80	0.3		10
3	8.10	9.20	1.10	3.3	0.100	10
4	21.70	22.10	0.40	0.8		176
5	29.10	29.80	0.60	0.3		15
6	29.80	31.10	1.30	0.3		60
7	31.10	31.90	0.80	0.3		28
8	31.90	33.40	1.50	-0.2		3
9	37.40	37.80	0.40	-0.2		21
10	40.00	41.60	1.60	-0.2		6
11	41.60	41.90	0.30	-0.2		9
12	51.00	52.50	1.50	-0.2		2
13	52.50	53.00	0.50	0.6		51
14	53.00	54.00	1.00	29.0	2.470	2790
15	54.00	54.80	0.80	10	0.010	298
16	54.80	55.30	0.50	1.6	0.011	63
17	55.30	56.00	0.70	-0.2	-0.005	6
18	56.00	58.00	2.00	-0.2	-0.005	7
19	58.00	59.50	1.50	1.1	0.013	17
20	59.50	60.10	0.60	0.5		5
21	60.10	60.70	0.60	0.4		3
22	60.70	61.90	1.20	0.3		36
23	69.20	70.80	1.60	1.3		10

24	76.50-77.00	0.50	0.7	52
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ASSAYS CONT'D FOR DDH 04-3

SAMPLE #	FROM M	TO M	DIST M	AG PPM	AU PPM	CU PPM
25	143.20	143.70	0.50	3.0	0.018	65
26	168.10	170.00	2.00	0.2		28
27	170.10	171.30	1.20	0.2		30
28	171.30	171.60	0.30	0.2		16
29	171.60	172.80	1.20	-0.2		23
30	172.80	173.50	0.70	0.2		21
31	173.50	175.00	1.50	-0.2		25
32	175.00	176.40	1.40	-0.2		30
33	176.40	177.20	0.80	0.2		23
34	177.20	179.00	1.80	-0.2		26
35	179.00	179.80	0.80	0.2		25
36	179.80	181.20	1.40	1.0		29
37	181.20	182.00	0.80	0.2		8
38	182.00	183.00	1.00	0.3		32
39	183.00	183.60	0.60	-0.2		17
40	186.30	186.35	0.05	1.4		202
41	192.20	193.00	0.80	6.0	0.006	27
42	193.00	193.50	0.50	5.0	0.019	124
43	193.50	194.50	1.00	4.0	0.009	75





**LEGEND**

- ① GRANODIORITE
- ② QUARTZ FELDSPAR PORPHYRY
- ③ GRANITE
- ④ GRANODIORITE BRECCIA
- ⑤ METAVOLCANICS

INTERNATIONAL TOWER HILL MINES LTD.			
SIWASH CREEK PROJECT			
SECTION 62+00 E LOOKING WEST			
DRAWN BY: TERRY T.	DATE: JUNE, 2001	SCALE: AS SHOWN	FIGURE 10A

INTERNATIONAL TOWER HILL MINES LTD  
 SIWASH COPPER PROPERTY

FILE DDH044A

HOLE NUMBER DDH 04 - 4 STARTED JUNE 13/04

LOCATION GRID NORTH 51+50  
 GRID EAST 62+00  
 AZIMUTH 360 DEG.  
 DIP - 57 DEG.  
 CORE SIZE N Q

GPS NORTHING 5518456  
 EASTING 10693659  
 ELEVATION 1440 M

DDH 04 - 4

SAMPLE #	FROM M	TO M	DIST M	ASSAYS		CU PPM
				AG PPM	AU PPM	
04-4-						
1	58.00	59.00	1.00	-0.2		10
2	59.00	60.00	1.00	0.4		60
3	60.00	61.00	1.00	0.4		22
4	61.00	62.70	1.70	1.5		73
5	62.70	64.00	1.30	0.2		22
6	64.00	64.50	0.50	1.5		108
7	64.50	65.00	0.50	-0.2		32
8	129.50	130.20	0.70	-0.2		23
9	130.20	131.00	0.80	0.3		31
10	131.00	132.00	1.00	0.8		22
11	132.00	132.70	0.70	-0.2		16
13	144.40	144.50	0.10	0.4		23
14	144.50	144.80	0.30	0.2		9
15	147.00	147.70	0.70	-0.2		17
16	147.70	149.00	1.30	-0.2		4
17	149.00	149.50	0.50	-0.2		8
18	176.80	177.80	1.00	0.4		27
19	177.80	179.50	1.70	1.6		188
20	179.50	180.40	0.90	5.7	0.023	222
21	180.40	181.00	0.60	0.9		32
22	181.00	181.90	0.90	0.3		17

SAMPLE 04-4-22 IS THE LAST SAMPLE IN DDH 04-4



SUMMARY OF EXPENSES

	ITEM	UNIT COST	TOTAL COST
<u>ASSAYING</u>			
ALS CHEMEX			\$ 3338.24
<u>LABOUR</u>			
R WEEKS	32 HOURS @ \$ 100.00		3200.00
	REPORTPREPERATION		
TOTAL			6538.24

AVERAGE \$ 6538.24 FOR 1013.01 M = \$ 6.45 PER METRE 100.00 %

CERTIFICATE

I, ROSS MELVIN WEEKS , OF 30 HUGH ALLEN DR., DARTMOUTH, NS, FORMERLY 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 PAST 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.

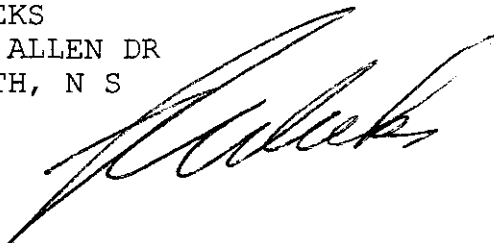
MY SPECIALTIES ARE; GEOLOGICAL EXPLORATION AND MINING, ORE RESERVES, MINE PLANNING AND PRODUCTION FORECASTING.

THE FOREGOING REPORT ON THE SIWASH CREEK PROPERTY IS FROM FIRST HAND KNOWLEDGE AS I WAS THE PLANNER AND EXECUTOR OF THIS PROGRAM.

I HOLD NO INTREST DIRECTLY OR INDIRECTLY IN THE MINERAL CLAIMS 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 WEEKS  
30 HUGH ALLEN DR  
DARTMOUTH, N S  
B2W 2K8



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Ministry of Sustainable Resource Management

Home News Search Reports & Publications Contacts

DATA last updated on August 04, 2004

102 Matches	Criteria	Owner Number	Tenure Status
		127131	Good Standing

Tenure Number	Claim Name	Owner Number	Map Number	Work Recorded To	Status	R
248600	ED	127131 100%	092H079	2009.06.29	Good Standing 2009.06.29	18
248607	REFER TO LOT TABLE	127131 100%	092H079	2005.11.22	Good Standing 2005.11.22	18
248608	ED #2	127131 100%	092H079	2004.11.23	Good Standing 2004.11.23	18
248637	SASKAT #1	127131 100%	092H079	2007.06.29	Good Standing 2007.06.29	18
248638	SASKAT #2	127131 100%	092H079	2007.06.29	Good Standing 2007.06.29	18
248639	JUNE #1	127131 100%	092H079	2007.06.29	Good Standing 2007.06.29	18
248669	JUNE #2	127131 100%	092H079	2007.09.01	Good Standing 2007.09.01	18
248680	V.M. NO. 1	127131 100%	092H079	2004.10.05	Good Standing 2004.10.05	18
248681	V.M. NO. 2	127131 100%	092H079	2004.10.05	Good Standing 2004.10.05	18
248682	V.M. NO. 3	127131 100%	092H079	2004.10.05	Good Standing 2004.10.05	18
248683	V.M. NO. 4	127131 100%	092H079	2004.10.05	Good Standing 2004.10.05	18
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248726	JEAN #2	127131 100%	092H079	2005.07.26	Good Standing 2005.07.26	18
249289	B & D	127131 100%	092H079	2009.01.04	Good Standing 2009.01.04	18
249730	LON #1	127131 100%	092H079	2004.10.03	Good Standing 2004.10.03	18
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249737	LON #8	127131 100%	092H079	2004.10.03	Good Standing 2004.10.03	18
249738	LON #9	127131 100%	092H079	2004.10.03	Good Standing 2004.10.03	18
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321384	LUCKY 1	127131 100%	092H079	2004.09.30	Good Standing 2004.09.30	18
322573	BLUE 1	127131 100%	092H079	2004.11.10	Good Standing 2004.11.10	18

APPENDIX

322574	BLUE 2	127131	100%	092H079	2004.11.10	Good Standing 2004.11.10	18
322575	BLUE 3	127131	100%	092H079	2004.11.10	Good Standing 2004.11.10	18
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323032	BIG BOY 6	127131	100%	092H079	2004.12.15	Good Standing 2004.12.15	18
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331535	BLUE 16	127131	100%	092H079	2005.09.27	Good Standing 2005.09.27	18
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331537	BLUE 18	127131	100%	092H079	2005.09.27	Good Standing 2005.09.27	18
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331539	BLUE 20	127131	100%	092H079	2005.09.27	Good Standing 2005.09.27	18
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331544	BLUE 25	127131	100%	092H079	2005.09.27	Good Standing 2005.09.27	18
331545	BLUE 26	127131	100%	092H079	2005.09.27	Good Standing 2005.09.27	18
331546	BLUE 27	127131	100%	092H079	2005.09.27	Good Standing 2005.09.27	18
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339370	CUSH 7	127131	100%	092H079	2006.08.14	Good Standing 2006.08.14	18
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339372	CUSH 9	127131	100%	092H079	2006.08.14	Good Standing 2006.08.14	18
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411489	SIWASH 22	127131	100%	092H079	2005.06.19	Good Standing 2005.06.19	18
411490	SIWASH 11	127131	100%	092H079	2005.06.16	Good Standing 2005.06.16	18
411491	SIWASH 12	127131	100%	092H079	2005.06.16	Good Standing 2005.06.16	18
411492	SIWASH 13	127131	100%	092H079	2005.06.16	Good Standing 2005.06.16	18
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411496	SIWASH 17	127131	100%	092H079	2005.06.17	Good Standing 2005.06.17	18
411497	SIWASH 18	127131	100%	092H079	2005.06.17	Good Standing 2005.06.17	18
411498	SIWASH 19	127131	100%	092H079	2005.06.17	Good Standing 2005.06.17	18
411499	SIWASH 20	127131	100%	092H079	2005.06.17	Good Standing 2005.06.17	18

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INTERNATIONAL TOWER HILL MINES LTD  
SIWASH COPPER PROPERTY

FILE DDH041

HOLE NUMBER DDH 04 - 1      STARTED MAY 24/04

LOCATION	GRID NORTH	53+20
	GRID EAST	54+90
	AZIMUTH	180 DEG.
	DIP	- 57 DEG.
	CORE SIZE	N Q

GPS	NORTHING	5518621
	EASTING	10692988
	ELEVATION	1429 M

DDH 04 - 1  
GEOLOGY

0.0 - 3.1      CASING

3.1 - 187.2 GRANODIORITE

SLIGHTLY ALTERED BY CHLORITE, FRACTURES COVERED BY HEMATITE, 7 FRACTURES PER METRE. BARREN TO 9.6

9.6 TO 11.28 SILICIFIED, FINE - GRAINED. 20 MM WIDE QUARTZ VEIN 30 DEG. TO CORE AT 10.5 M. SHEAR ZONE 20 MM WIDE AND 70 DEGREES TO CORE AT 11.28.

11.28 - 12.65 FINE GRAINED, ALTERED, DARK GREY COLOR, SHEARED 20 DEG. TO CORE AT 12.65.

12.65 - 15.0 MORE SILICEOUS THAN ABOVE, DARK GREY COLOR, BLOCKY.

16.0 - 32.0 TYPICAL GRANODIORITE, FINE GRAINED, BARREN.

32.0 - 47.0 DARK GREY, MEDIUM TO FINE GRAINED, SHEARING 30 DEG. TO CORE.

AT 43.0 SHEAR ZONE 30 DEG. TO CORE, ALTERED TO LIGHT PINK COLOR, BARREN.

47.0 - 66.0 TYPICAL GRANODIORITE, LIGHT GREY COLOR MAINLY FELDSPAR AND QUARTZ, BARREN.

66.0 - 85.7 SLIGHTLY MORE SILICEOUS, FINER GRAINED AND MORE SHEARING MOSTLY AT 40 - 45 DEG TO CORE.

AT 78.0 HEMATITE STAINING, MORE FRACTURING, FRACTURES MOSTLY AT 40 DEG. TO CORE.

85.7 - 185.9 TYPICAL GRANODIORITE VARYING TO PINKISH GREY IN PLACES.

AT 164.0 SHEAR ZONE 20 MM WIDE 45 DEG TO CORE.

AT 177.7 20 CM WIDE SHEAR ZONE 45 DEG TO CORE.

AT 185.9 2MM WIDE HEMATITE VEINLET.

187.2 - 190.8 GREY DYKE

FINE GRAINED, SOME LARGE FELDSPAR CRYSTALS 9 PROBABLU FELDSPAR / QUARTZ PORPHYRY.

DDH 04 - 1 PAGE 2 OF 2

190.8 - 266.0 GRANODIORITE

GRANODIORITE AS ABOVE, BARREN.

190.8 - 195.0 SHEARING 30 DEG TO CORE.

AT 200.6 10 CM WIDE SHEAR ZONE 45 DEG TO CORE, HEMATITE ALONG.

201.3 - 234.5 SLIGHTLY PINKISH DUE TO PINK FELDSPARS.

234.5 - 238.1 DARK GREY COLOR.

AT 239.0 30 CM WIDE DIABASE DYKE 20 DEG TO CORE. CHILLED CONTACTS.

246.0 - 263.0 COARSER GRAINED THAN BEFORE.

263.0 - 266.0 HIGHLY ALTERED AND FRACTURED, SOME HEMATITE ALONG,

AT 265.0 5 CM WIDE SHEAR ZONE 90 DEG TO CORE, SOME CHALCOPYRITE ALONG.

266.0 - 279.5 BASIC DYKE

UPPER AND LOWER CONTACT CHILLED AT 45 DEG TO CORE.

279.5 - 306.9 GRANODIORITE

HIGHLY ALTERED, HEMATITE AND MAGNETITE IN MINOR AMOUNTS ALONG SHEARS

AT 287.4 10 CM WIDE SHEAR ZONE 45 DEG TO CORE

AT 291.6 15 CM WIDE SHEAR ZONE WITH GOUGE ALONG AT 30 DEG TO CORE.

AT 296.9 5 CM WIDE SHEAR ZONE AT 90 DEG TO CORE.

291.0 - 306.9 BARREN

306.9 METRES END OF HOLE

JUNE 2/04

APPENDIX PAGE 8

INTERNATIONAL TOWER HILL MINES LTD  
SIWASH COPPER PROPERTY

FILE DDH042

HOLE NUMBER DDH 04 - 2      STARTED JUNE 8/04

LOCATION	GRID NORTH	50+30
	GRID EAST	55+90
	AZIMUTH	360 DEG.
	DIP	- 57 DEG.
	CORE SIZE	N Q

GPS	NORTHING	5518342
	EASTING	10693092
	ELEVATION	1429 M

DDH 04 - 2  
GEOLOGY

0.0 - 3.1      CASING

3.1 - 15.4 QUARTZ FELDSPAR PORPHYRY

LARGE WHITE CRYSTALS OF WHITE FELDSPAR UP TO 1 CM IN LENGTH. SOME LARGE QUARTZ CRYSTALS AND A LOT OF FINE MATERIAL. LOOKS SOMETHING LIKE A CRYSTAL TUFF. FAULT ZONE AT LOWER CONTACT.

15.4 - 18.2 FAULT ZONE, FRACTURES 60 DEG TO CORE. SHEARING ( BANDING ) 80 DEG TO CORE.

18.2 - 19.5 HIGHLY ALTERED

15.4 - 19.5 FAULT ZONE

MEDIUM GRAINED AND ONLY SLIGHTLY FRACTURED.

AT 29.0 15 CM WIDE SHEAR ZONE 30 - 40 DEG TO CORE.

AT 50.4 10 CM WIDE ZONE OF MAINLY CHLORITE

19.5 - 94.0 GRANODIORITE

87.3 - 88.0 META-VOLCANICS

AT 94.3 1 CM WIDE QUARTZ VEIN SOME CPY ALONG.

AT 98.2 30 CM WIDE GOUGE ZONE.

94.0 - 160.5 QUARTZ FELDSPAR PORPHYRY

LIGHT GREY IN COLOR, HIGHLY ALTERED WITH LARGE FELDSPAR CRYSTALS. 15 - 20 % QUARTZ, ROCK VERY SOFT.

103.3 - 104.3 FAULT ZONE 70 DEG TO CORE.

AT 109.0 HIGHLY FRACTURED WITH ONLY MINOR MAGNETITE.

AT 113.6 3 CM WIDE QUARTZ / CARBONATE VEIN 60 DEG TO CORE.

DDH 04 - 2 PAGE 2 OF 2

160.5 - 200.0 GRANODIORITE

TYPICAL GRANODIORITE, LIGHT GREY IN COLOR.

172.0 - 173.0 HIGHLY ALTERED.

176.5 - 177.4 FELDSPATHIZED BY HAIRLINE FELDSPAR BEARING VEINLTS.

AT 183.5 3 CM WIDE GOUGE ZONE 70 DEG TO CORE. MINOR MAGNETITE ALONG.

190.0 - 192.0 50 % GOUGE.

192.0 - 200.0 SILICEOUS, FINE GRAINED, ERRATIC FELDSPAR VEINLETS 30 DEG TO CORE.

200.0 METRES END OF HOLE COMPLETED JUNE 11/04

APPENDIX PAGE 10

INTERNATIONAL TOWER HILL MINES LTD  
SIWASH COPPER PROPERTY

FILE DDH043

HOLE NUMBER DDH 04 - 3      STARTED JUNE 4/04

LOCATION	GRID NORTH	50+90
	GRID EAST	58+00
	AZIMUTH	360 DEG.
	DIP	- 57 DEG.
	CORE SIZE	N Q

GPS	NORTHING	5518393
	EASTING	10693302
	ELEVATION	1448 M

DDH 04 - 3  
GEOLOGY

0.0 - 3.1                      CASING

3.1 - 53.0 GRANODIORITE

GREY IN COLOR, FRACTURED, SOME RUST STAINING ALONG FRACTURES 10 DEG TO CORE  
8.1 - 53.0 LESS FRACTURING.

AT 9.1 MINOR SHEAR ZONE , 10 DEG TO CORE, SOME HEMATITE ALONG.

AT 22.0 3 CM WIDE QUARTZ VEIN 70 DEG TO CORE, SOME PYRITE ALONG.

AT 21.7 QUARTZ VEINLET ALONG FRACTURE MINOR HEMATITE.

29.9 - 33.4 HIGHLY FRACTURED PARALLEL TO CORE, SOME QUARTZ AND CARBONATE  
ALONG.

AT 31.1 5 CM OF GOUGE.

33.4 - 40.0 LESS FRACTURING.

40.0 - 51.0 MORE ALTERED , ERRATIC QUARTZ / CARBONATE VEINLETS.

51.0 - 53.0 MORE HIGHLY ALTERED, STARTING TO LOOK LIKE VOLCANICS.

53.0 - 54.8 META-VOLCANICS

HIGHLY FRACTURED AND FINE GRAINED, LOOKS FRAGMENTAL. CONTACTS APPEAR TO BE  
ABOUT 80 DEG TO CORE.

54.8 - 55.3 FAULT ZONE 70 DEG TO CORE

55.3 -76.5 GRANODIORITE

HIGHLY ALTERED AND SHEARED, PART OF FAULT ZONE.  
59.5 - 60.1 META-VOLCANICS, CONTACT 60 DEG TO CORE.  
AT 59.5 5 CM WIDE QUARTZ VEIN AT 60 DEG TO CORE  
60.7 - 61.9 META-VOLCANICS? UPPER CONTACT LOOKS CHILLED.  
69.2 - 70.8 LOOKS LIKE MILL ROCK.

DDH 04 - 3 PAGE 2 OF 2

76.5 - 77.0 MILL ROCK

77.0 - 111.5 QUARTZ-FELDSPAR PORPHYRY

LARGE ALTERED FELDSPAR CRYSTALS UP TO 2 CM LONG. LOWER CONTACT 40 DEG TO CORE.

111.5 - 111.8 MILL ROCK

111.8 - 190.5 GRANODIORITE

SLIGHTLY SHEARED, IN PLACES SHEARING AND ALTERATION GIVE THE APPEARANCE OF FRAGMENTS.

AT 127.0 IT LOOKS LIKE META-VOLCANICS, GOOD FRAGMENTS.

142.0 - 143.2 SHEAR ZONE 90 DEG TO CORE.

143.2 - 143.7 VERY SILICEOUS. SOME SULPHIDE.

169.6 - 169.9 GOUGE ZONE.

177.2 - 179.0 HIGHLY ALTERED AND SHEARED 30 - 60 DEG TO CORE, 10 - 15 % QUARTZ / CARBONATE VEINLETS.

185.0 - 190.5 SLIGHTLY MORE PINKISH. PINK FELDSPARS UP TO 1 CM ALONG FRACTURES.

190.5 - 194.5 META-VOLCANICS

GOOD FRAGMENTS, CORING ANGLE OF UPPER CONTACT INDISTINCT, SHEARED 10 - 30 DEG TO CORE.

AT 193.0 STRONG FAULT WITH GROUND UP QUARTZ VEIN ALONG. TRUE WIDTH OF ZONE ABOUT 20 CM. FEW BLEBS OF SULPHIDES.

198.5 - 203.4 GRANODIORITE

198.5 - 201.4 FINE GRAINED DYKE 90 DEG TO CORE.

203.4 METERS END OF HOLE COMPLETED JUNE 5/04

INTERNATIONAL TOWER HILL MINES LTD  
SIWASH COPPER PROPERTY

FILE DDH044

HOLE NUMBER DDH 04 - 4      STARTED      JUNE 13/04

LOCATION	GRID NORTH	51+50
	GRID EAST	62+00
	AZIMUTH	360 DEG.
	DIP	- 57 DEG.
	CORE SIZE	N Q

GPS	NORTHING	5518456
	ESASTING	10693659
	ELEVATION	1440 M

DDH 04 - 4

GEOLOGY

0.0 - 4.6      CASING

4.6 - 180.6 GRANODIORITE

MEDIUM TO DARK GREY, FRACTURED IN PLACES.

55.0 - 57.0 FINE GRAINED BASIC DYKE.

59.0 - 62.7 SHEARED 10 DEG TO CORE. 5MM WIDE QUARTZ / CARBONATE VEINLET

PARALLEL TO CORE. 130.2 - 132.0 SHEARED 10 - 15 DEG TO CORE. 2 CM WIDE QUARTZ /  
CARBONATE VEINLET ALONG.

177.8 - 180.6 GOUGE ZONE 80 - 90 DEG TO CORE.

180.6 - 200.0 QUARTZ FELDSPAR PORPHYRY

MEDIUM TO COARSE GRAINED WITH FELDSPAR CRYSTALS UP TO 1.5 CM IN LENGTH. QUARTZ  
EYES ARE MUCH LARGER THSN WHAT APPEARS TO BE NOEMAL. THIS UNIT LOOKS LIKE A  
BANDED CRYSTAL TUFF. I HAVE SEEN THIS UNIT ON THE WEST SIDE OF SIWASH CREEK  
WHERE TH LOGGING CO HAS DUG SOME OUT FOR RIP RAP AROUND THE LAT BRIDGE BEFOR  
GALENA CREEK.

200.0 METRE END OF HOLE      COMPLETED JUNE 14/04

INTERNATIONAL TOWER HILL MINES LTD  
SIWASH COPPER PROPERTY

FILE DDH045

HOLE NUMBER DDH 04 - 5      STARTED      JUNE 16/04

LOCATION            GRID NORTH      52+30  
                  GRID EAST       52+70  
                  AZIMUTH         360 DEG.  
                  DIP             - 57 DEG.  
                  CORE SIZE       N Q

GPS                NORTHING        5518531  
                    EASTING         10692769  
                    ELEVATION       1378 M

DDH 04 - 5

GEOLOGY

0.0 - 3.5      CASING

3.5 - 61.5 QUARTZ-FELDSPAR PORPHYRY

AS IN 04-4 AT 199.0 M.

NUMEROUS LARGE QUARTZ EYES. QUARTZ EYES LOOK BLUE ON GROUND SURFACE , CLEAR WHERE BROKEN.

31.8- 34.6 META-VOLCANICS.

40.2 - 46.0 META-VOLCANICS FEW BLEBS PYRITE.

61.5 - 102.7 META-VOLCANICS

HIGHLY FRACTURED HAIRLINE QUARTZ/CARBONATE/HEMATITE VEINLETS THROUGHOUT. FRACTURED 50 - 70 DEG TO CORE.

96.6 - 102.7 MORE ALTERED IN PLACES.

102.7 END OF HOLE      COMPLETED JUNE 17/04

APPENDIX PAGE 14

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**ALS Chemex**  
**EXCELLENCE IN ANALYTICAL CHEMISTRY**  
 ALS Canada Ltd.  
 212 Brooksbank Avenue  
 North Vancouver BC V7J 2C1 Canada  
 Phone: 604 984 0221 Fax: 604 984 0218

To: INTERNATIONAL TOWER HILL MINES  
 507 - 837 W. HASTINGS ST.  
 VANCOUVER BC V6C 3N6

Page: 1  
 Date: 1-JUL-2004  
 Account: NGB

**CERTIFICATE VA04036269**

**SAMPLE PREPARATION**

Project:  
 P.O. No.:  
 This report is for 103 Drill Core samples submitted to our lab in Vancouver, BC, Canada on 15-JUN-2004.  
 The following have access to data associated with this certificate:  
 TONY DRESCHER                      ROSS WEEKS

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um

**ANALYTICAL PROCEDURES**

ALS CODE	DESCRIPTION	INSTRUMENT
Cu-AA46	Ore grade Cu - aqua regia/AA	AAS
Pb-AA46	Ore grade Pb - aqua regia/AA	AAS
Zn-AA46	Ore grade Zn - aqua regia/AA	AAS
ME-ICP41	34 Element Aqua Regia ICP-AES	ICP-AES

To: INTERNATIONAL TOWER HILL MINES  
 ATTN: ROSS WEEKS  
 30 HUGH ALLEN DRIVE  
 DARTMOUTH NS B2W 2K8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:

APPENDIX P. 16735



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Page: 2 - A  
Total # Pages: 4 (A - C)  
Date: 1-JUL-2004  
Account: NGB

## CERTIFICATE OF ANALYSIS VA04036269

Sample Description	Method Analyte Units LOR	WEI-21	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Recvd Wt. kg	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm
		0.02	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01	10
04-1-1		2.62	0.2	0.18	<2	<10	30	<0.5	<2	0.77	<0.5	1	4	2	1.31	<10
04-1-2		0.92	<0.2	0.13	2	<10	10	<0.5	<2	0.10	<0.5	1	4	2	0.79	<10
04-1-3		2.92	1.0	0.19	2	<10	30	<0.5	3	0.20	<0.5	2	3	49	1.96	<10
04-1-4		5.86	0.3	1.13	<2	<10	130	0.9	<2	2.55	<0.5	10	13	20	3.72	<10
04-1-5		2.76	1.2	0.24	6	<10	380	<0.5	2	1.28	<0.5	3	3	11	2.42	<10
04-1-6		0.68	3.9	0.60	5	<10	290	2.6	6	0.43	0.9	12	3	254	4.56	<10
04-1-7		3.02	0.9	0.25	<2	<10	60	0.5	<2	0.35	<0.5	2	3	55	1.73	<10
04-1-8		2.96	0.2	0.20	<2	<10	210	<0.5	<2	1.16	<0.5	2	3	5	1.22	<10
04-1-9		0.58	1.6	0.42	3	<10	260	1.5	3	1.22	1.4	11	2	79	3.05	<10
04-1-10		3.62	<0.2	0.20	<2	<10	150	<0.5	<2	0.79	<0.5	1	3	4	1.28	<10
04-1-11		2.16	0.2	0.32	<2	<10	1210	<0.5	<2	1.80	<0.5	4	4	6	1.42	<10
04-1-12		10.44	0.6	2.04	5	<10	320	0.9	<2	5.35	<0.5	19	82	11	5.42	10
04-1-13		1.22	4.4	0.46	8	<10	450	2.8	3	3.52	2.5	13	16	125	4.80	<10
04-1-14		5.98	1.1	0.60	<2	<10	110	0.9	<2	1.14	1.6	5	4	52	4.20	<10
04-1-15		2.70	0.8	0.30	<2	<10	90	<0.5	<2	0.32	<0.5	3	2	44	2.96	<10
04-1-16		15.90	1.3	0.26	<2	<10	60	<0.5	3	0.32	<0.5	3	3	48	2.78	<10
04-1-17		11.00	1.7	0.23	<2	<10	220	<0.5	<2	0.72	<0.5	4	3	27	2.19	<10
04-1-18		0.70	13.1	0.37	2	<10	240	1.0	3	0.60	7.8	8	1	77	9.84	<10
04-1-19		2.34	0.7	0.20	<2	<10	170	<0.5	<2	0.71	<0.5	2	3	7	1.76	<10
04-1-20		7.56	0.9	0.26	8	<10	50	<0.5	<2	0.80	<0.5	5	2	32	3.19	<10
04-1-21		0.42	28.8	0.25	<2	<10	40	0.6	8	0.57	47.6	41	<1	>10000	9.84	<10
04-1-22		4.20	0.4	0.39	<2	<10	50	<0.5	<2	0.70	<0.5	5	13	110	3.49	<10
04-1-23		6.74	3.4	0.28	<2	<10	40	0.5	4	1.53	24.7	6	<1	44	17.9	<10
04-1-24		17.22	1.1	0.30	<2	<10	50	<0.5	2	0.36	0.8	3	3	30	2.21	<10
04-1-25		10.90	0.7	0.26	<2	<10	80	<0.5	<2	0.33	1.2	2	3	22	2.57	<10
04-1-26		2.66	1.3	0.31	<2	<10	530	<0.5	<2	0.33	1.4	7	2	29	3.84	<10
04-1-27		10.84	0.5	0.29	<2	<10	90	<0.5	<2	0.37	<0.5	2	3	18	2.04	<10
04-1-28		7.78	3.6	0.27	<2	<10	50	<0.5	2	0.57	0.7	4	2	138	2.30	<10
04-1-29		14.14	0.4	0.23	<2	<10	120	<0.5	<2	0.58	<0.5	2	3	24	1.99	<10
04-1-30		6.42	0.8	0.30	<2	<10	50	<0.5	<2	0.93	0.5	3	3	24	2.29	<10
04-1-31		2.20	3.8	0.28	<2	<10	50	<0.5	3	0.44	1.0	4	2	300	3.09	<10
04-1-32		8.82	0.2	0.28	<2	<10	60	<0.5	<2	0.62	<0.5	2	3	17	1.59	<10
04-2-1		3.48	<0.2	0.97	<2	<10	80	0.7	<2	2.30	<0.5	3	2	4	1.98	<10
04-2-2		5.50	5.1	3.64	61	<10	70	1.1	20	0.66	2.2	34	24	51	13.55	10
04-2-3		4.58	7.2	2.28	14	<10	100	0.9	13	0.49	5.2	12	10	495	8.52	10
04-2-4		2.60	0.6	1.50	<2	<10	330	0.5	3	0.15	<0.5	4	2	11	4.78	<10
04-2-5		3.46	0.4	2.37	<2	<10	90	1.0	<2	1.38	<0.5	14	134	30	6.77	<10
04-2-6		1.58	0.3	0.33	9	<10	50	0.5	<2	0.26	<0.5	5	2	5	5.28	<10
04-2-7		4.44	7.1	2.76	10	<10	460	0.8	88	2.12	<0.5	19	37	498	8.99	10
04-2-8		4.38	1.4	0.72	<2	<10	60	<0.5	14	0.28	<0.5	2	4	71	2.64	<10

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# ALS Chemex

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507 - 837 W. HASTINGS ST.

VANCOUVER BC V6C 3N6

Page: 2 - B

Total # Pages: 4 (A - C)

Date: 1-JUL-2004

Account: NGB

## CERTIFICATE OF ANALYSIS VA04036269

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Tl
	Units	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	%
LOR	1	0.01	10	0.01	5	1	0.01	1	1	10	2	0.01	2	1	1	0.01
04-1-1	<1	0.11	20	0.20	499	1	0.04	1	160	5	0.02	<2	1	17	<0.01	
04-1-2	<1	0.08	30	0.04	136	1	0.05	1	30	2	0.01	<2	<1	5	<0.01	
04-1-3	<1	0.11	30	0.22	472	1	0.03	1	50	38	0.06	<2	<1	9	<0.01	
04-1-4	<1	0.29	20	0.90	1405	4	0.04	5	960	19	0.02	<2	10	90	0.03	
04-1-5	<1	0.14	10	0.28	753	<1	0.02	1	120	97	0.38	<2	<1	72	<0.01	
04-1-6	1	0.23	10	0.51	1255	2	0.02	5	620	481	0.79	<2	3	94	<0.01	
04-1-7	<1	0.14	20	0.21	752	1	0.02	1	280	45	0.16	<2	1	38	<0.01	
04-1-8	<1	0.14	20	0.19	678	1	0.03	1	240	13	0.05	<2	1	57	<0.01	
04-1-9	1	0.28	40	0.47	1535	84	0.02	4	520	246	0.97	<2	3	100	<0.01	
04-1-10	<1	0.14	20	0.18	692	1	0.03	2	250	6	0.03	<2	1	49	<0.01	
04-1-11	<1	0.15	20	0.60	990	2	0.03	7	280	11	0.07	<2	1	117	<0.01	
04-1-12	1	0.28	10	2.34	3940	<1	0.03	63	2020	50	0.16	<2	13	291	<0.01	
04-1-13	1	0.25	20	1.34	4590	4	0.02	23	1510	1520	0.57	<2	8	190	<0.01	
04-1-14	<1	0.34	10	0.77	2300	<1	0.03	7	1100	125	0.13	<2	2	67	<0.01	
04-1-15	<1	0.17	30	0.43	1215	<1	0.03	4	310	65	0.08	<2	1	44	<0.01	
04-1-16	<1	0.16	20	0.34	1230	2	0.03	2	310	54	0.15	<2	1	31	<0.01	
04-1-17	1	0.16	20	0.32	1550	1	0.04	2	430	52	0.20	<2	1	34	<0.01	
04-1-18	<1	0.24	10	0.92	3790	3	0.02	6	290	297	0.89	<2	2	55	<0.01	
04-1-19	<1	0.13	20	0.29	1260	1	0.04	1	360	19	0.10	<2	1	31	<0.01	
04-1-20	<1	0.18	20	0.34	1145	5	0.03	3	260	38	0.35	<2	1	63	<0.01	
04-1-21	<1	0.24	<10	0.59	>10000	11	0.02	10	190	>10000	4.71	<2	1	103	<0.01	
04-1-22	<1	0.18	20	0.55	1090	19	0.04	14	710	45	0.15	<2	3	64	0.01	
04-1-23	<1	0.20	10	0.52	>10000	4	0.02	8	160	768	0.36	<2	6	75	<0.01	
04-1-24	<1	0.20	20	0.21	1810	2	0.03	2	370	363	0.14	<2	1	54	<0.01	
04-1-25	<1	0.21	20	0.30	1425	1	0.03	2	360	264	0.09	<2	1	44	<0.01	
04-1-26	<1	0.23	20	0.29	3120	2	0.03	2	350	522	0.27	<2	1	70	<0.01	
04-1-27	1	0.14	20	0.23	924	1	0.04	<1	360	42	0.08	<2	2	38	<0.01	
04-1-28	<1	0.17	20	0.31	1185	17	0.03	1	330	238	0.24	<2	1	51	<0.01	
04-1-29	<1	0.14	20	0.28	1030	2	0.04	1	380	72	0.07	<2	1	36	<0.01	
04-1-30	<1	0.19	20	0.38	1475	1	0.04	2	410	97	0.15	<2	1	48	<0.01	
04-1-31	1	0.17	20	0.34	1675	1	0.03	2	430	397	0.23	<2	1	61	<0.01	
04-1-32	<1	0.14	30	0.19	713	1	0.04	1	380	40	0.05	<2	1	45	<0.01	
04-2-1	1	0.22	40	0.50	627	1	0.03	2	1110	13	0.01	<2	2	394	<0.01	
04-2-2	1	0.22	10	1.28	2850	57	0.01	44	2150	650	3.39	2	9	65	0.01	
04-2-3	1	0.18	20	0.75	2500	5	0.01	17	880	730	1.42	<2	3	77	<0.01	
04-2-4	1	0.30	20	0.47	1315	1	0.01	4	340	69	0.52	<2	1	50	<0.01	
04-2-5	<1	0.27	20	1.62	2110	<1	0.02	54	1410	32	0.16	<2	10	99	0.01	
04-2-6	<1	0.32	10	0.49	1815	1	0.02	3	320	47	0.28	<2	1	49	<0.01	
04-2-7	1	0.22	10	2.37	2580	2	0.04	49	2210	241	0.51	<2	9	121	0.04	
04-2-8	<1	0.12	20	0.38	573	2	0.04	2	360	19	0.07	<2	1	21	<0.01	

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Page: 2 - C  
Total # Pages: 4 (A - C)  
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**CERTIFICATE OF ANALYSIS VA04036269**

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	Cu-AA46	Pb-AA46	Zn-AA46
		TI	U	V	W	Zn	Cu	Pb	Zn
		ppm 10	ppm 10	ppm 1	ppm 10	ppm 2	% 0.01	% 0.01	% 0.01
04-1-1	<10	<10	4	<10	41				
04-1-2	<10	<10	1	<10	17				
04-1-3	<10	<10	1	<10	284 ✓				
04-1-4	<10	<10	68	<10	198 ✓				
04-1-5	<10	<10	2	<10	215 ✓				
04-1-6	<10	10	14	<10	727 ✓				
04-1-7	<10	10	4	<10	260				
04-1-8	<10	<10	5	<10	66				
04-1-9	<10	<10	14	<10	882 ✓				
04-1-10	<10	<10	4	<10	57				
04-1-11	<10	<10	8	<10	65 ✓				
04-1-12	<10	<10	82	<10	320 ✓				
04-1-13	<10	20	22	<10	1905 ✓				
04-1-14	<10	<10	12	<10	1430 ✓				
04-1-15	<10	<10	6	<10	180				
04-1-16	<10	<10	7	<10	341 ✓				
04-1-17	<10	<10	8	<10	430 ✓				
04-1-18	<10	<10	13	<10	6270 ✓				
04-1-19	<10	<10	8	<10	224 ✓				
04-1-20	<10	<10	6	<10	239 ✓				
04-1-21	<10	<10	5	20	>10000 ✓	2.60	1.35	3.22	
04-1-22	<10	<10	20	<10	256 ✓				
04-1-23	10	10	8	20	>10000 ✓			2.90	
04-1-24	<10	<10	6	<10	796 ✓				
04-1-25	<10	<10	6	<10	863 ✓				
04-1-26	<10	<10	6	<10	1410 ✓				
04-1-27	<10	<10	8	<10	233 ✓				
04-1-28	<10	<10	5	<10	686 ✓				
04-1-29	<10	<10	8	<10	331 ✓				
04-1-30	<10	<10	7	<10	488 ✓				
04-1-31	<10	<10	6	<10	882 ✓				
04-1-32	<10	<10	8	<10	211				
04-2-1	<10	<10	30	<10	81				
04-2-2	<10	10	81	<10	1460 ✓				
04-2-3	<10	<10	31	<10	3130 ✓				
04-2-4	<10	<10	6	<10	439				
04-2-5	<10	<10	57	<10	390				
04-2-6	<10	<10	4	<10	298				
04-2-7	<10	<10	104	<10	844				
04-2-8	<10	<10	13	<10	139				

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## CERTIFICATE OF ANALYSIS VA04036269

Sample Description	Method Analyte Units LOR	WEI-21	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Recvd Wt. kg 0.02	Ag ppm 0.2	Al % 0.01	As ppm 2	B ppm 10	Ba ppm 10	Be ppm 0.5	Bi ppm 2	Ca % 0.01	Cd ppm 0.5	Co ppm 1	Cr ppm 1	Cu ppm 1	Fe % 0.01	Ga ppm 10
04-2-9		15.28	0.3	0.61	<2	<10	50	<0.5	<2	0.43	<0.5	2	3	14	2.09	<10
04-2-10		5.56	<0.2	0.41	<2	<10	60	<0.5	<2	0.56	<0.5	2	4	8	1.64	<10
04-2-11		1.14	6.2	0.30	5	<10	10	<0.5	20	0.39	155.0	3	<1	256	4.04	40
04-2-12		3.08	0.7	0.35	16	<10	120	<0.5	4	0.50	0.5	2	2	70	3.09	<10
04-2-13		1.06	7.0	0.31	19	<10	60	0.6	29	0.24	0.6	36	<1	5210	6.43	<10
04-2-14		2.46	0.3	0.29	2	<10	70	<0.5	<2	0.28	<0.5	2	2	60	2.91	<10
04-2-15		5.44	0.5	0.30	28	<10	80	<0.5	3	0.19	<0.5	2	4	34	3.26	<10
04-2-16		0.50	5.7	0.24	139	<10	90	0.5	37	0.10	1.0	27	2	932	3.19	<10
04-2-17		7.50	0.6	0.31	30	<10	60	0.5	2	0.23	<0.5	3	3	44	3.74	<10
04-2-18		13.92	0.7	0.34	21	<10	60	0.5	<2	0.27	<0.5	3	4	20	3.52	<10
04-2-19		7.60	0.4	0.35	4	<10	70	<0.5	<2	0.38	<0.5	3	3	63	3.09	<10
04-2-20		6.70	3.1	0.38	8	<10	340	0.6	108	0.16	1.5	6	2	198	4.19	<10
04-2-21		10.00	1.6	1.56	<2	<10	150	0.6	6	0.69	1.8	7	3	61	6.61	<10
04-2-22		10.26	1.2	0.92	<2	<10	160	0.8	3	0.66	<0.5	6	4	156	6.50	<10
04-2-23		1.64	0.2	0.89	3	<10	70	0.8	<2	3.06	<0.5	8	6	11	3.08	<10
04-2-24		0.24	0.2	0.96	<2	<10	190	<0.5	<2	17.6	<0.5	18	<1	19	6.58	<10
04-2-25		1.94	0.2	1.49	<2	<10	40	0.6	<2	2.36	<0.5	12	11	12	3.48	10
04-2-26		2.48	0.3	0.56	<2	<10	80	0.7	<2	5.28	<0.5	6	3	3	2.27	<10
04-2-27		1.22	0.2	0.83	<2	<10	1720	<0.5	<2	0.67	<0.5	6	10	11	2.13	<10
04-2-28		5.44	1.6	0.54	<2	<10	80	0.8	4	0.77	<0.5	7	4	512	5.77	<10
04-3-1		5.82	<0.2	0.33	<2	<10	40	<0.5	<2	0.34	<0.5	2	4	16	1.82	<10
04-3-2		5.60	0.3	0.40	<2	<10	50	0.5	<2	0.51	1.0	2	3	10	2.07	<10
04-3-3		1.12	3.3	1.11	<2	<10	40	<0.5	6	0.69	2.4	4	2	10	3.02	<10
04-3-4		1.82	0.8	0.82	<2	<10	40	<0.5	<2	0.62	<0.5	46	4	176	3.07	<10
04-3-5		3.02	0.3	0.36	<2	<10	40	<0.5	<2	0.41	0.6	2	3	15	1.51	<10
04-3-6		5.68	0.3	0.61	<2	<10	590	<0.5	<2	0.58	<0.5	2	3	60	1.64	<10
04-3-7		2.34	0.3	0.34	<2	<10	40	<0.5	<2	0.46	<0.5	2	3	28	1.47	<10
04-3-8		4.88	<0.2	0.27	<2	<10	20	<0.5	<2	0.38	<0.5	1	5	3	0.73	<10
04-3-9		1.50	<0.2	0.88	<2	<10	50	<0.5	<2	2.26	<0.5	3	2	21	2.17	<10
04-3-10		6.84	<0.2	0.36	<2	<10	50	0.6	<2	6.69	<0.5	2	2	6	1.22	<10
04-3-11		1.62	<0.2	0.49	<2	<10	50	0.6	<2	4.28	<0.5	2	2	9	1.44	<10
04-3-12		6.34	<0.2	0.59	<2	<10	40	<0.5	<2	1.07	<0.5	2	4	2	1.48	<10
04-3-13		2.22	0.6	1.06	<2	<10	40	0.5	<2	0.33	<0.5	3	3	51	3.54	<10
04-3-14		5.38	29.0	3.71	2	<10	50	0.7	174	0.58	<0.5	24	56	2790	12.85	10
04-3-15		3.34	1.0	3.58	2	<10	100	0.7	2	0.75	<0.5	22	80	298	11.30	10
04-3-16		2.36	1.6	0.48	<2	<10	70	0.8	<2	0.43	2.8	3	2	63	2.87	<10
04-3-17		4.36	<0.2	0.38	<2	<10	40	<0.5	<2	1.04	<0.5	1	3	6	1.10	<10
04-3-18		9.10	<0.2	0.37	<2	<10	40	<0.5	<2	0.71	<0.5	2	4	7	1.44	<10
04-3-19		6.14	1.1	0.50	20	<10	50	0.7	2	0.30	1.1	9	1	17	5.28	<10
04-3-20		2.46	0.5	2.57	2	<10	50	1.4	<2	0.69	<0.5	25	27	5	8.05	10

*APPENDIX P 20*



**ALS Chemex**  
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To: INTERNATIONAL TOWER HILL MINES  
 507 - 837 W. HASTINGS ST.  
 VANCOUVER BC V6C 3N6

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**CERTIFICATE OF ANALYSIS VA04036269**

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte Units LOR	Hg ppm 1	K % 0.01	La ppm 10	Mg % 0.01	Mn ppm 5	Mo ppm 1	Na % 0.01	Ni ppm 1	P ppm 10	Pb ppm 2	S % 0.01	Sb ppm 2	Sc ppm 1	Sr ppm 1	Tl % 0.01
04-2-9		<1	0.12	20	0.26	528	1	0.04	1	370	7	0.04	<2	1	25	<0.01
04-2-10		1	0.14	20	0.20	610	1	0.04	1	340	14	0.03	<2	1	28	0.01
04-2-11		1	0.25	10	0.21	7810	3	0.02	2	240	3760	3.84	<2	2	102	<0.01
04-2-12		<1	0.24	10	0.28	1040	1	0.03	1	330	63	0.30	<2	1	58	<0.01
04-2-13		<1	0.22	10	0.27	1010	82	0.02	4	270	383	3.10	<2	1	41	<0.01
04-2-14		<1	0.22	20	0.26	774	2	0.03	1	340	12	0.21	<2	1	37	<0.01
04-2-15		<1	0.24	10	0.25	835	1	0.02	2	340	23	0.36	<2	1	34	<0.01
04-2-16		<1	0.18	10	0.08	312	14	0.01	5	160	104	2.38	<2	<1	37	<0.01
04-2-17		1	0.29	10	0.21	1565	2	0.02	2	320	90	0.53	<2	1	41	<0.01
04-2-18		<1	0.28	10	0.20	1160	2	0.02	2	300	91	0.45	<2	1	37	<0.01
04-2-19		<1	0.23	20	0.22	985	2	0.02	1	330	25	0.36	<2	1	40	<0.01
04-2-20		<1	0.26	10	0.16	3100	2	0.01	2	230	407	0.53	<2	1	53	<0.01
04-2-21		1	0.21	10	0.83	2190	1	0.02	10	830	284	0.31	<2	2	56	0.01
04-2-22		1	0.25	10	0.83	1755	6	0.02	5	700	90	0.07	<2	5	82	0.01
04-2-23		1	0.25	20	1.27	1040	4	0.03	3	910	25	0.05	<2	7	153	<0.01
04-2-24		<1	0.06	<10	6.64	3500	<1	0.03	6	20	84	0.04	<2	1	363	<0.01
04-2-25		<1	0.20	20	1.14	852	4	0.04	6	890	7	0.02	<2	9	130	0.01
04-2-26		<1	0.24	20	1.18	1155	3	0.03	2	550	29	0.02	<2	5	163	<0.01
04-2-27		<1	0.44	10	0.58	476	2	0.06	3	560	4	0.02	<2	4	31	0.12
04-2-28		<1	0.28	10	0.67	1760	3	0.03	4	770	89	0.09	<2	4	66	0.01
04-3-1		<1	0.17	20	0.17	609	4	0.03	1	210	58	0.06	<2	1	11	<0.01
04-3-2		<1	0.21	10	0.23	1175	<1	0.03	1	280	211	0.16	<2	1	12	<0.01
04-3-3		1	0.17	20	0.51	1205	1	0.04	2	580	535	0.10	<2	2	23	<0.01
04-3-4		<1	0.14	10	0.30	618	1	0.03	1	360	22	0.83	<2	1	21	<0.01
04-3-5		<1	0.15	20	0.14	1205	<1	0.03	1	220	211	0.10	<2	1	35	<0.01
04-3-6		<1	0.17	10	0.22	745	1	0.04	1	290	92	0.06	<2	1	260	<0.01
04-3-7		<1	0.18	10	0.13	858	1	0.03	1	130	68	0.10	<2	1	36	<0.01
04-3-8		<1	0.12	10	0.09	174	<1	0.04	1	60	5	0.02	<2	<1	24	<0.01
04-3-9		<1	0.13	10	0.56	765	<1	0.05	1	670	11	0.04	<2	2	65	<0.01
04-3-10		<1	0.20	10	0.19	1120	<1	0.03	<1	430	9	0.02	<2	1	133	<0.01
04-3-11		<1	0.20	20	0.19	789	<1	0.04	2	550	14	0.02	<2	1	94	<0.01
04-3-12		1	0.17	20	0.26	536	<1	0.04	<1	350	8	0.02	<2	1	48	<0.01
04-3-13		<1	0.27	10	0.44	1125	1	0.02	2	340	18	0.16	<2	1	37	<0.01
04-3-14		1	0.26	10	1.66	2620	8	0.02	46	2440	97	1.74	<2	6	30	0.01
04-3-15		1	0.35	20	2.20	2980	1	0.02	64	3050	54	0.37	<2	7	43	0.01
04-3-16		<1	0.23	20	0.22	2990	2	0.02	2	270	457	0.31	<2	1	57	<0.01
04-3-17		<1	0.16	20	0.12	373	<1	0.04	1	230	7	0.03	<2	1	44	<0.01
04-3-18		1	0.16	20	0.17	451	1	0.03	1	230	31	0.03	<2	1	40	<0.01
04-3-19		<1	0.35	10	0.48	2240	12	0.01	2	370	308	0.58	<2	1	42	<0.01
04-3-20		<1	0.26	10	1.38	1885	3	0.02	51	2090	19	0.77	<2	6	56	<0.01

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## CERTIFICATE OF ANALYSIS VA04036269

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	Cu-AA46	Pb-AA46	Zn-AA46
		TI	U	V	W	Zn	Cu	Pb	Zn
		ppm 10	ppm 10	ppm 1	ppm 10	ppm 2	% 0.01	% 0.01	% 0.01
04-2-9		<10	<10	11	<10	126			
04-2-10		<10	<10	10	<10	85			
04-2-11		<10	<10	4	<10	>10000			7.82
04-2-12		<10	<10	4	<10	323			
04-2-13		<10	20	2	<10	532			
04-2-14		<10	<10	4	<10	144			
04-2-15		<10	<10	4	<10	181			
04-2-16		<10	<10	1	<10	616			
04-2-17		<10	<10	3	<10	432			
04-2-18		<10	<10	3	<10	299			
04-2-19		<10	<10	4	<10	223			
04-2-20		<10	<10	2	<10	1150			
04-2-21		<10	<10	17	<10	1495			
04-2-22		<10	<10	31	<10	528			
04-2-23		<10	<10	35	<10	130			
04-2-24		<10	<10	37	<10	226			
04-2-25		<10	<10	70	<10	128			
04-2-26		<10	<10	19	<10	124			
04-2-27		<10	<10	50	<10	38			
04-2-28		<10	<10	29	<10	451			
04-3-1		<10	<10	5	<10	289			
04-3-2		<10	<10	5	<10	816			
04-3-3		<10	<10	14	<10	1810			
04-3-4		<10	<10	10	<10	224			
04-3-5		<10	<10	7	<10	531			
04-3-6		<10	<10	9	<10	356			
04-3-7		<10	10	3	<10	265			
04-3-8		<10	10	3	<10	16			
04-3-9		<10	<10	21	<10	94			
04-3-10		<10	<10	6	<10	122			
04-3-11		<10	<10	7	<10	124			
04-3-12		<10	<10	10	<10	106			
04-3-13		<10	<10	7	<10	416			
04-3-14		<10	10	65	<10	687			
04-3-15		<10	<10	79	<10	622			
04-3-16		<10	10	4	<10	2230			
04-3-17		<10	<10	5	<10	64			
04-3-18		<10	<10	5	<10	124			
04-3-19		<10	<10	5	<10	1045			
04-3-20		<10	<10	58	<10	494			

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**CERTIFICATE OF ANALYSIS VA04036269**

Sample Description	Method Analyte Units LOR	WEI-21	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Recvd Wt. kg	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm
		0.02	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01	10
04-3-21		2.74	0.4	0.60	<2	<10	40	<0.5	<2	0.93	<0.5	11	3	3	1.90	<10
04-3-22		5.94	0.3	2.43	<2	<10	1050	0.9	<2	3.49	<0.5	20	77	36	4.75	10
04-3-23		4.06	1.3	1.10	14	<10	50	0.8	4	2.14	<0.5	5	2	10	2.38	<10
04-3-24		2.22	0.7	1.31	<2	<10	330	0.6	<2	1.87	0.7	9	12	52	3.85	<10
04-3-25		2.10	3.0	1.48	16	<10	30	0.7	4	0.37	3.2	7	1	65	9.75	<10
04-3-26		6.62	0.2	1.53	<2	<10	70	0.6	<2	3.82	<0.5	14	10	28	3.80	<10
04-3-27		5.40	0.2	1.54	<2	<10	260	0.5	<2	2.02	<0.5	13	13	30	4.03	10
04-3-28		1.10	0.2	1.56	<2	<10	50	0.7	<2	5.44	<0.5	13	11	16	3.92	<10
04-3-29		4.34	<0.2	1.58	2	<10	220	0.5	<2	2.02	<0.5	15	14	23	4.42	<10
04-3-30		2.94	0.2	1.49	<2	<10	50	0.7	<2	3.82	<0.5	13	12	21	3.96	<10
04-3-31		8.92	<0.2	1.54	<2	<10	150	<0.5	<2	1.96	<0.5	14	15	25	4.19	10
04-3-32		7.50	<0.2	1.63	<2	<10	50	0.6	<2	2.10	<0.5	15	14	30	4.28	<10
04-3-33		3.18	0.2	1.79	<2	<10	70	0.7	<2	2.42	<0.5	16	13	23	4.69	10
04-3-34		6.78	<0.2	0.75	<2	<10	50	0.7	<2	2.61	<0.5	12	5	26	3.62	<10
04-3-35		3.48	0.2	1.64	2	<10	210	0.9	<2	2.85	<0.5	14	10	25	4.58	10
04-3-36		3.98	1.0	0.73	<2	<10	150	0.6	3	0.97	<0.5	6	4	29	3.12	<10
04-3-37		4.40	0.2	0.36	<2	<10	40	<0.5	<2	0.91	<0.5	2	2	8	1.46	<10
04-3-38		6.98	0.3	0.37	<2	<10	40	<0.5	<2	0.67	<0.5	2	3	32	1.41	<10
04-3-39		2.40	<0.2	0.37	7	<10	50	<0.5	<2	0.53	<0.5	2	4	17	1.26	<10
04-3-40		0.22	1.4	0.31	15	<10	30	<0.5	<2	0.44	2.2	29	4	202	1.72	<10
04-3-41		2.94	6.0	0.63	10	<10	70	0.7	<2	2.10	1.0	14	3	27	2.54	<10
04-3-42		1.84	5.0	0.33	7	<10	70	0.8	<2	6.19	3.7	10	1	124	3.08	<10
04-3-43		7.52	4.0	0.79	10	<10	60	0.6	<2	2.35	0.7	12	4	75	2.96	<10





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## CERTIFICATE OF ANALYSIS VA04036269

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Tl
		ppm 1	% 0.01	ppm 10	% 0.01	ppm 5	ppm 1	% 0.01	ppm 1	ppm 10	ppm 2	% 0.01	ppm 2	ppm 1	ppm 1	% 0.01
04-3-21	1	0.16	10	0.55	633	4	0.04	6	430	27	0.73	<2	1	36	<0.01	
04-3-22	1	0.21	30	2.25	1585	1	0.04	61	3290	17	0.23	<2	8	155	0.01	
04-3-23	1	0.22	20	0.55	1070	28	0.03	1	780	108	0.57	3	2	163	<0.01	
04-3-24	1	0.36	20	0.90	1390	4	0.06	5	1200	168	0.14	<2	5	162	0.09	
04-3-25	1	0.28	10	0.48	7770	3	0.02	14	1050	1190	0.61	<2	4	56	<0.01	
04-3-26	<1	0.20	10	1.50	1155	3	0.04	5	1040	12	0.29	<2	9	239	0.01	
04-3-27	1	0.41	10	1.26	782	3	0.06	6	1080	11	0.06	<2	11	163	0.11	
04-3-28	1	0.17	20	1.64	1730	2	0.04	4	1070	33	0.04	<2	11	304	0.01	
04-3-29	<1	0.37	10	1.25	767	3	0.07	7	1190	10	0.04	<2	12	147	0.13	
04-3-30	<1	0.20	20	1.28	1240	2	0.05	6	1140	21	0.04	<2	12	291	0.02	
04-3-31	1	0.21	10	1.30	737	3	0.07	6	1180	8	0.04	<2	10	117	0.09	
04-3-32	1	0.15	10	1.29	731	3	0.06	5	1190	9	0.04	<2	10	172	0.03	
04-3-33	<1	0.17	20	1.34	824	4	0.05	7	1200	9	0.04	<2	13	227	0.02	
04-3-34	1	0.28	20	0.95	1710	3	0.03	4	1120	35	0.12	<2	8	220	<0.01	
04-3-35	1	0.25	20	1.20	1195	3	0.04	7	1210	14	0.05	<2	12	266	0.01	
04-3-36	1	0.18	10	0.45	1020	2	0.03	3	570	94	0.06	<2	3	119	<0.01	
04-3-37	<1	0.16	10	0.15	562	<1	0.03	1	220	26	0.07	<2	1	76	<0.01	
04-3-38	<1	0.15	20	0.15	451	1	0.04	1	240	29	0.13	<2	1	57	<0.01	
04-3-39	<1	0.13	20	0.18	413	1	0.05	2	230	26	0.05	<2	1	34	<0.01	
04-3-40	<1	0.10	10	0.16	341	19	0.03	3	110	594	0.82	<2	1	31	<0.01	
04-3-41	1	0.27	10	0.54	965	3	0.03	4	860	737	0.98	<2	6	159	<0.01	
04-3-42	<1	0.19	10	1.94	2520	3	0.03	3	430	2510	1.18	<2	3	231	<0.01	
04-3-43	<1	0.25	10	0.54	966	2	0.03	4	740	288	1.10	<2	5	124	<0.01	

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212 Brooksbank Avenue

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To: INTERNATIONAL TOWER HILL MINES

507 - 837 W. HASTINGS ST.

VANCOUVER BC V6C 3N6

Page: 4 - C

Total # Pages: 4 (A - C)

Date: 1-JUL-2004

Account: NGB

## CERTIFICATE OF ANALYSIS VA04036269

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	Cu-AA46	Pb-AA46	Zn-AA46
		TI	U	V	W	Zn	Cu	Pb	Zn
		ppm 10	ppm 10	ppm 1	ppm 10	ppm 2	% 0.01	% 0.01	% 0.01
04-3-21		<10	<10	10	<10	173			
04-3-22		<10	<10	82	<10	185			
04-3-23		<10	<10	18	<10	196			
04-3-24		<10	<10	91	<10	667			
04-3-25		<10	<10	23	<10	3360			
04-3-26		<10	<10	63	<10	91			
04-3-27		<10	<10	103	<10	112			
04-3-28		<10	<10	84	<10	198			
04-3-29		<10	<10	119	<10	106			
04-3-30		<10	<10	92	<10	136			
04-3-31		<10	<10	112	<10	85			
04-3-32		<10	<10	109	<10	94			
04-3-33		<10	<10	103	<10	114			
04-3-34		<10	<10	39	<10	222			
04-3-35		<10	<10	73	<10	215			
04-3-36		<10	<10	23	<10	494			
04-3-37		<10	<10	4	<10	208			
04-3-38		<10	<10	5	<10	132			
04-3-39		<10	10	8	<10	60			
04-3-40		<10	<10	4	<10	1090			
04-3-41		<10	<10	14	<10	500			
04-3-42		<10	10	10	<10	2100			
04-3-43		<10	<10	19	<10	377			

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Page: 1

Date: 6-JUL-2004

Account: NGB

## CERTIFICATE VA04038043

Project:

P.O. No.:

This report is for 51 Rock samples submitted to our lab in Vancouver, BC, Canada on 21-JUN-2004.

The following have access to data associated with this certificate:

TONY DRESCHER

ROSS WEEKS

## SAMPLE PREPARATION


ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um

## ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Zn-AA46	Ore grade Zn - aqua regia/AA	AAS
ME-ICP41	34 Element Aqua Regia ICP-AES	ICP-AES

To: INTERNATIONAL TOWER HILL MINES  
ATTN: ROSS WEEKS  
30 HUGH ALLEN DRIVE  
DARTMOUTH NS B2W 2K8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature: 

APPENDIX P 25



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EXCELLENCE IN ANALYTICAL CHEMISTRY

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Page: 2 - A

Total # Pages: 3 (A - C)

Date: 6-JUL-2004

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## CERTIFICATE OF ANALYSIS VA04038043

Sample Description	Method	WEI-21	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Recvd Wt.	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga
Units		kg	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm
LOR		0.02	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01	10
04-2-29		2.16	<0.2	0.27	<2	<10	50	<0.5	<2	0.44	<0.5	3	4	4	1.47	<10
04-2-30		1.02	0.4	0.41	<2	<10	100	0.6	<2	0.90	2.0	5	1	10	4.17	<10
04-2-31		2.12	<0.2	0.75	<2	<10	120	0.5	<2	0.80	<0.5	5	3	7	2.34	<10
04-2-32		5.56	0.9	0.60	<2	<10	140	0.5	3	1.19	2.2	7	6	672	4.92	<10
04-2-33		10.28	3.4	0.71	<2	<10	90	<0.5	<2	0.99	6.5	6	2	296	3.94	<10
04-2-34		6.74	0.2	1.33	2	<10	330	0.6	<2	1.10	<0.5	7	8	98	2.91	10
04-4-1		2.60	<0.2	1.66	3	<10	120	<0.5	<2	1.76	<0.5	15	13	10	4.52	10
04-4-2		3.10	0.4	1.38	3	<10	90	0.8	<2	2.31	15.2	12	7	60	7.15	<10
04-4-3		2.50	0.4	1.36	<2	<10	70	1.0	<2	1.72	3.0	14	7	22	5.45	<10
04-4-4		8.16	1.5	1.42	<2	<10	80	1.0	3	1.20	9.4	13	8	73	8.49	<10
04-4-5		4.92	0.5	1.80	2	<10	60	0.7	<2	1.19	2.4	15	11	22	6.45	<10
04-4-6		1.92	1.5	1.96	<2	<10	70	0.8	3	2.66	19.9	14	10	108	6.32	10
04-4-7		2.18	<0.2	1.80	3	<10	60	0.7	<2	1.99	<0.5	15	12	32	5.17	10
04-4-8		3.00	<0.2	1.82	2	<10	90	0.8	<2	2.76	0.7	14	13	23	4.69	10
04-4-9		2.60	0.3	2.27	2	<10	60	1.1	2	2.95	3.0	11	7	31	6.03	<10
04-4-10		6.82	0.8	1.53	5	<10	50	0.9	3	6.96	2.6	13	5	22	5.46	<10
04-4-11		2.70	<0.2	1.86	<2	<10	130	0.7	<2	2.20	<0.5	16	16	16	4.71	10
04-4-12		1.58	<0.2	1.57	<2	<10	60	0.8	<2	1.73	0.7	14	12	11	4.30	10
04-4-13		0.54	0.4	1.59	3	<10	40	0.7	2	1.16	4.1	14	6	23	5.48	<10
04-4-14		1.12	0.2	1.96	3	<10	60	0.9	<2	2.90	0.9	15	10	9	5.10	10
04-4-15		3.28	<0.2	1.78	<2	<10	60	0.8	<2	3.08	<0.5	15	7	17	4.12	10
04-4-16		5.76	<0.2	1.47	5	<10	40	0.9	2	7.78	0.9	14	2	4	4.62	<10
04-4-17		3.58	<0.2	1.98	<2	<10	50	0.9	<2	3.35	<0.5	16	6	8	4.53	10
04-4-18		4.90	0.4	1.18	3	<10	80	0.6	<2	1.52	0.5	6	3	27	3.11	<10
04-4-19		7.56	1.6	2.33	6	<10	100	1.1	4	1.04	1.8	8	2	188	6.76	<10
04-4-20		3.66	5.7	1.64	19	<10	50	1.1	7	0.51	6.4	10	2	222	6.23	<10
04-4-21		1.94	0.9	1.81	5	<10	110	1.7	<2	1.41	1.2	7	1	32	4.54	10
04-4-22		4.72	0.3	0.95	<2	<10	70	0.6	<2	2.35	0.7	5	2	17	2.05	10
04-5-1		6.80	<0.2	0.46	3	<10	150	0.7	<2	1.64	1.1	3	1	4	1.16	<10
04-5-2		2.46	0.7	0.37	5	<10	90	1.4	<2	3.84	1.1	8	2	34	3.29	<10
04-5-3		8.46	1.0	0.64	3	<10	120	<0.5	<2	2.20	0.8	9	2	4	2.40	<10
04-5-4		4.54	0.8	0.48	3	<10	120	<0.5	<2	2.58	0.7	7	3	4	2.10	<10
04-5-5		11.18	1.2	0.46	4	<10	110	0.6	<2	3.34	<0.5	12	4	76	3.46	<10
04-5-6		5.84	2.0	0.50	2	<10	90	0.6	2	4.02	1.2	12	12	104	3.63	<10
04-5-7		6.30	0.4	0.71	<2	<10	50	0.5	<2	3.29	1.1	17	16	37	4.27	<10
04-5-8		8.24	0.3	2.11	2	<10	90	0.7	<2	4.54	<0.5	30	209	39	5.19	10
04-5-9		6.16	0.4	2.56	<2	<10	140	0.8	<2	4.46	0.7	31	227	91	5.32	10
04-5-10		9.46	0.3	2.34	3	<10	840	0.6	<2	4.70	<0.5	29	228	48	4.46	10
04-5-11		4.84	0.3	1.06	5	<10	680	0.9	<2	4.36	1.2	31	144	48	5.45	<10
04-5-12		4.24	0.2	0.41	<2	<10	70	0.7	<2	2.28	1.3	14	13	32	3.94	<10



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Page: 2 - B  
 Total # Pages: 3 (A - C)  
 Date: 6-JUL-2004  
 Account: NGB

**CERTIFICATE OF ANALYSIS VA04038043**

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Ti
		ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	%
	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1	0.01	
04-2-29	<1	0.12	20	0.18	548	1	0.03	1	290	25	0.03	<2	1	25	<0.01	
04-2-30	<1	0.29	20	0.35	>10000	3	<0.01	1	610	227	0.05	<2	3	93	<0.01	
04-2-31	<1	0.21	20	0.43	1045	2	0.03	3	620	68	0.03	<2	4	65	0.02	
04-2-32	<1	0.29	20	0.45	9450	3	0.01	2	550	424	0.14	<2	6	77	<0.01	
04-2-33	<1	0.20	20	0.43	7780	2	0.02	2	560	208	0.21	<2	5	70	0.01	
04-2-34	<1	0.30	20	0.76	558	10	0.04	4	700	7	0.08	<2	5	160	0.05	
04-4-1	1	0.62	20	1.09	1080	4	0.06	6	1070	12	0.04	<2	10	83	0.16	
04-4-2	<1	0.43	20	1.03	5230	4	0.01	5	890	382	0.59	<2	8	127	0.02	
04-4-3	1	0.46	20	0.92	2540	4	0.01	10	1010	128	0.13	<2	9	110	0.04	
04-4-4	<1	0.41	10	0.99	4040	5	0.01	8	930	534	0.40	<2	7	90	0.01	
04-4-5	<1	0.39	20	1.11	2560	5	0.01	4	940	360	0.10	<2	8	89	0.05	
04-4-6	1	0.33	10	1.25	2880	3	0.02	7	820	355	0.80	<2	9	132	0.02	
04-4-7	1	0.42	20	1.14	1550	4	0.03	6	950	40	0.02	<2	12	126	0.07	
04-4-8	1	0.44	20	1.07	2270	3	0.04	7	950	34	0.03	<2	10	166	0.10	
04-4-9	<1	0.34	20	0.84	6830	3	0.01	6	880	521	0.15	<2	7	159	0.01	
04-4-10	1	0.34	20	1.70	9420	2	0.01	5	690	116	0.61	<2	7	166	<0.01	
04-4-11	<1	0.60	10	1.22	1685	3	0.05	7	1010	35	0.07	<2	12	164	0.18	
04-4-12	<1	0.28	20	1.07	2310	4	0.05	8	980	87	0.06	<2	8	84	0.07	
04-4-13	1	0.26	20	0.94	20200	4	0.02	5	850	825	0.21	<2	6	90	0.01	
04-4-14	<1	0.33	20	1.08	4940	3	0.03	5	1000	186	0.08	<2	8	127	0.01	
04-4-15	<1	0.31	20	1.04	1810	6	0.02	6	930	51	0.06	<2	7	152	0.01	
04-4-16	1	0.25	20	1.44	5790	2	0.01	6	810	75	0.07	2	6	237	<0.01	
04-4-17	<1	0.29	20	1.09	1435	2	0.02	6	1120	80	0.03	<2	7	171	0.01	
04-4-18	1	0.27	20	0.54	1370	1	0.03	<1	650	31	0.04	<2	3	102	<0.01	
04-4-19	<1	0.26	10	0.72	3710	1	0.01	8	930	164	0.32	<2	3	156	<0.01	
04-4-20	<1	0.27	10	0.36	6280	1	0.01	8	1100	1770	0.67	<2	3	130	<0.01	
04-4-21	<1	0.36	30	0.53	2860	2	0.03	2	870	365	0.15	<2	2	202	0.01	
04-4-22	<1	0.25	40	0.53	833	2	0.04	2	1050	162	0.04	<2	2	229	0.01	
04-5-1	<1	0.33	70	0.32	2130	2	<0.01	3	390	97	0.11	<2	1	126	<0.01	
04-5-2	<1	0.24	20	1.09	3670	1	0.01	7	1420	151	0.21	<2	7	184	<0.01	
04-5-3	<1	0.45	10	0.57	1470	3	0.01	7	1060	186	1.44	<2	2	75	<0.01	
04-5-4	<1	0.33	10	0.78	1365	1	0.01	6	1090	162	1.09	<2	1	80	<0.01	
04-5-5	<1	0.30	20	1.29	1520	3	0.02	6	1010	56	0.18	<2	7	185	<0.01	
04-5-6	<1	0.31	20	1.69	2600	3	0.01	24	1290	148	0.22	<2	6	194	<0.01	
04-5-7	<1	0.21	20	1.72	3740	3	0.03	27	1160	89	0.18	<2	7	237	<0.01	
04-5-8	<1	0.18	20	3.34	2100	1	0.02	150	2420	65	0.16	<2	16	418	0.01	
04-5-9	<1	0.15	20	3.57	2100	1	0.03	148	2540	116	0.11	<2	16	390	0.02	
04-5-10	<1	0.13	10	3.39	1305	1	0.05	145	2200	31	0.14	<2	11	390	0.10	
04-5-11	<1	0.31	20	2.85	3080	1	0.04	150	2510	208	0.13	2	19	450	<0.01	
04-5-12	<1	0.22	20	1.39	2600	3	0.03	17	1270	111	0.06	2	10	255	<0.01	

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## CERTIFICATE OF ANALYSIS VA04038043

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	Zn-AA46
		TI	U	V	W	Zn	Zn
		ppm 10	ppm 10	ppm 1	ppm 10	ppm 2	% 0.01
04-2-29		<10	<10	8	<10	185	
04-2-30		<10	<10	10	<10	2930	
04-2-31		<10	<10	21	<10	266	
04-2-32		<10	<10	30	<10	2110	
04-2-33		<10	10	22	<10	4280	
04-2-34		<10	<10	46	<10	96	
04-4-1		<10	<10	104	<10	162	
04-4-2		<10	<10	65	<10	>10000	1.11
04-4-3		<10	<10	59	<10	2230	
04-4-4		<10	<10	58	<10	7400	
04-4-5		<10	<10	84	<10	1925	
04-4-6		<10	<10	79	<10	>10000	1.57
04-4-7		<10	<10	106	<10	316	
04-4-8		<10	<10	99	<10	511	
04-4-9		<10	<10	60	<10	2460	
04-4-10		<10	<10	38	<10	2130	
04-4-11		<10	<10	130	<10	288	
04-4-12		<10	<10	82	<10	415	
04-4-13		<10	<10	56	<10	3090	
04-4-14		<10	<10	68	<10	872	
04-4-15		<10	<10	47	<10	306	
04-4-16		<10	<10	32	<10	764	
04-4-17		<10	<10	52	<10	281	
04-4-18		<10	<10	15	<10	262	
04-4-19		<10	<10	18	<10	1690	
04-4-20		<10	<10	20	<10	4620	
04-4-21		<10	<10	27	<10	950	
04-4-22		<10	<10	32	<10	275	
04-5-1		<10	<10	4	<10	750	
04-5-2		<10	<10	27	<10	865	
04-5-3		<10	<10	8	<10	400	
04-5-4		<10	<10	7	<10	389	
04-5-5		<10	<10	35	<10	293	
04-5-6		<10	<10	34	<10	686	
04-5-7		<10	<10	47	<10	1405	
04-5-8		<10	<10	100	<10	953	
04-5-9		<10	<10	114	<10	1060	
04-5-10		<10	<10	96	<10	356	
04-5-11		<10	<10	95	<10	1735	
04-5-12		<10	<10	64	<10	1365	

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Page: 3 - A

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## CERTIFICATE OF ANALYSIS VA04038043

Sample Description	Method Analyte Units LOR	WEI-21	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Recvd Wt. kg	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm
		0.02	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	0.01	10	
04-5-13		1.40	0.2	0.25	<2	<10	70	<0.5	<2	0.20	0.6	2	3	15	2.10	<10
04-5-14		1.50	0.5	0.24	<2	<10	40	<0.5	<2	0.22	1.0	2	1	52	2.58	<10
04-5-15		3.38	0.2	0.24	<2	<10	60	<0.5	<2	0.27	0.5	2	1	16	1.88	<10
04-5-16		5.44	0.2	0.34	<2	<10	160	0.5	<2	1.60	1.7	11	5	20	3.43	<10
04-5-17		2.24	<0.2	0.48	<2	<10	150	0.9	<2	3.43	2.6	23	39	32	5.06	<10
04-5-18		4.28	0.3	3.58	<2	<10	200	1.1	<2	3.74	<0.5	33	331	71	5.21	10
04-5-19		4.84	0.3	0.71	5	<10	100	1.1	<2	2.23	2.3	12	7	33	4.86	<10
04-5-20		5.00	0.2	1.22	3	<10	130	0.8	<2	2.22	1.2	14	14	54	4.35	<10
04-5-21		6.44	0.2	0.80	2	<10	80	0.8	<2	1.50	1.9	13	6	71	4.38	<10
04-5-22		0.52	9.6	0.89	<2	<10	60	0.9	4	1.54	5.1	25	4	1000	6.45	<10
04-5-23		1.22	0.5	0.73	4	<10	70	0.8	<2	2.54	2.5	12	4	72	4.24	<10

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ALS Canada Ltd.

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 North Vancouver BC V7J 2C1 Canada  
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To: INTERNATIONAL TOWER HILL MINES  
 507 - 837 W. HASTINGS ST.  
 VANCOUVER BC V6C 3N6

Page: 3 - B  
 Total # Pages: 3 (A - C)  
 Date: 6-JUL-2004  
 Account: NGB

## CERTIFICATE OF ANALYSIS VA04038043

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Ti
	Units LOR	ppm 1	% 0.01	ppm 10	% 0.01	ppm 5	ppm 1	% 0.01	ppm 1	ppm 10	ppm 2	% 0.01	ppm 2	ppm 1	ppm 1	ppm 1
04-5-13		<1	0.28	60	0.20	1735	1	<0.01	1	330	13	0.03	<2	1	53	<0.01
04-5-14		<1	0.27	60	0.20	2640	1	<0.01	2	310	18	0.04	<2	1	55	<0.01
04-5-15		<1	0.30	60	0.19	1380	1	0.01	1	320	13	0.05	<2	<1	55	<0.01
04-5-16		<1	0.20	20	0.88	2760	2	0.03	17	860	104	0.08	<2	6	148	<0.01
04-5-17		<1	0.28	20	1.58	4440	2	0.02	86	1580	160	0.10	2	14	334	<0.01
04-5-18		<1	0.25	10	3.64	1035	1	0.06	187	2710	28	0.10	2	17	322	0.09
04-5-19		<1	0.35	20	0.98	5690	3	0.04	6	1240	160	0.11	<2	8	144	<0.01
04-5-20		<1	0.34	20	1.24	2280	3	0.04	8	1290	124	0.12	2	10	188	0.01
04-5-21		<1	0.36	20	0.94	3760	4	0.04	6	1160	143	0.23	<2	8	107	<0.01
04-5-22		1	0.60	10	0.78	6860	4	0.02	12	1040	777	1.94	2	5	61	<0.01
04-5-23		<1	0.48	20	1.04	4190	3	0.03	7	1180	154	0.32	<2	5	105	<0.01

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Page: 3 - C  
Total # Pages: 3 (A - C)  
Date: 6-JUL-2004  
Account: NGB

## CERTIFICATE OF ANALYSIS VA04038043

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	Zn-AA46
		Tl	U	V	W	Zn	Zn
		ppm 10	ppm 10	ppm 1	ppm 10	ppm 2	% 0.01
04-5-13		<10	<10	3	<10	747	
04-5-14		<10	<10	5	<10	1100	
04-5-15		<10	<10	3	<10	521	
04-5-16		<10	<10	42	<10	1600	
04-5-17		<10	<10	60	<10	2540	
04-5-18		<10	<10	132	<10	288	
04-5-19		<10	<10	56	<10	2770	
04-5-20		<10	<10	82	<10	927	
04-5-21		<10	<10	58	<10	1830	
04-5-22		<10	<10	32	<10	3860	
04-5-23		<10	<10	36	<10	1695	

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**ALS Chemex**  
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212 Brooksbank Avenue  
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To: INTERNATIONAL TOWER HILL MINES  
507 - 837 W. HASTINGS ST.  
VANCOUVER BC V6C 3N6

Page: 1  
Finalized Date: 18-JUL-2004  
Account: NGB

**CERTIFICATE VA04043658**

Project:

P.O. No.:

This report is for 103 Pulp samples submitted to our lab in Vancouver, BC, Canada on 9-JUL-2004.

The following have access to data associated with this certificate:

TONY DRESCHER

ROSS WEEKS

**SAMPLE PREPARATION**

ALS CODE	DESCRIPTION
FND-02	Find Sample for Addn Analysis

**ANALYTICAL PROCEDURES**

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA23	Au 30g FA-AA finish	AAS

To: INTERNATIONAL TOWER HILL MINES  
ATTN: ROSS WEEKS  
30 HUGH ALLEN DRIVE  
DARTMOUTH NS B2W 2K8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature: \_\_\_\_\_

APPENDIX P 32



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Page: 2 - A

Total # Pages: 2 (A)

Finalized Date: 18-JUL-2004

Account: NGB

## CERTIFICATE OF ANALYSIS VA04043658

Sample Description	Method Analyte Units LOR	Au-AA23 Au ppm 0.005
04-1-6		0.015
04-1-9		<0.005
04-1-13		0.076
04-1-14		<0.005
04-1-18		0.008
04-1-21		0.040
04-1-22		<0.005
04-1-23		<0.005
04-1-24		<0.005
04-1-25		<0.005
04-1-26		0.008
04-1-27		0.005
04-1-28		0.009
04-1-31		0.009
04-2-2		0.066
04-2-3		0.053
04-2-7		0.346
04-2-11		0.049
04-2-13		0.455
04-2-16		3.38
04-2-18		0.017
04-2-20		0.232
04-2-21		0.022
04-2-28		<0.005
04-3-3		0.010
04-3-14		2.47
04-3-15		0.010
04-3-16		0.011
04-3-17		<0.005
04-3-18		<0.005
04-3-19		0.013
04-3-25		0.018
04-3-41		0.006
04-3-42		0.019
04-3-43		0.009

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Page: 1  
Date: 16-JUL-2004  
Account: NGB

## CERTIFICATE VA04043725

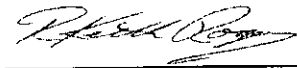
Project:  
P.O. No.:  
This report is for 51 Pulp samples submitted to our lab in Vancouver, BC, Canada on 13-JUL-2004.  
The following have access to data associated with this certificate:  
TONY DRESCHER                      ROSS WEEKS

SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
FND-02	Find Sample for Addn Analysis

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA23	Au 30g FA-AA finish	AAS

To: INTERNATIONAL TOWER HILL MINES  
ATTN: ROSS WEEKS  
30 HUGH ALLEN DRIVE  
DARTMOUTH NS B2W 2K8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature: 

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Page: 2 - A

Total # Pages: 2 (A)

Date: 16-JUL-2004

Account: NGB

## CERTIFICATE OF ANALYSIS VA04043725

Sample Description	Method Analyte Units LOR	Au-AA23 Au ppm 0.005
04-2-32		<0.005
04-2-33		0.005
04-4-20		0.023
04-5-22		0.494

APPENDIX P. 35