EXPLORATION AND DIAMOND DRILLING RESULTS ON THE BEAR PASS PROPERTY

SKEENA MINING DIVISON
NTS 104A/04 E&W
56° 06' N LATITUDE
129° 48' W LONGITUDE

Supervised by:
M.L. DRILLING LTD.
1411-700 W. PENDER STREET
VANCOUVER B.C. V6C 1G8

For:
TRANSWORLD TRADING COPORATION
1125, 333-11TH AVENUE SW
CALGARY, A.B. T2P 1L9

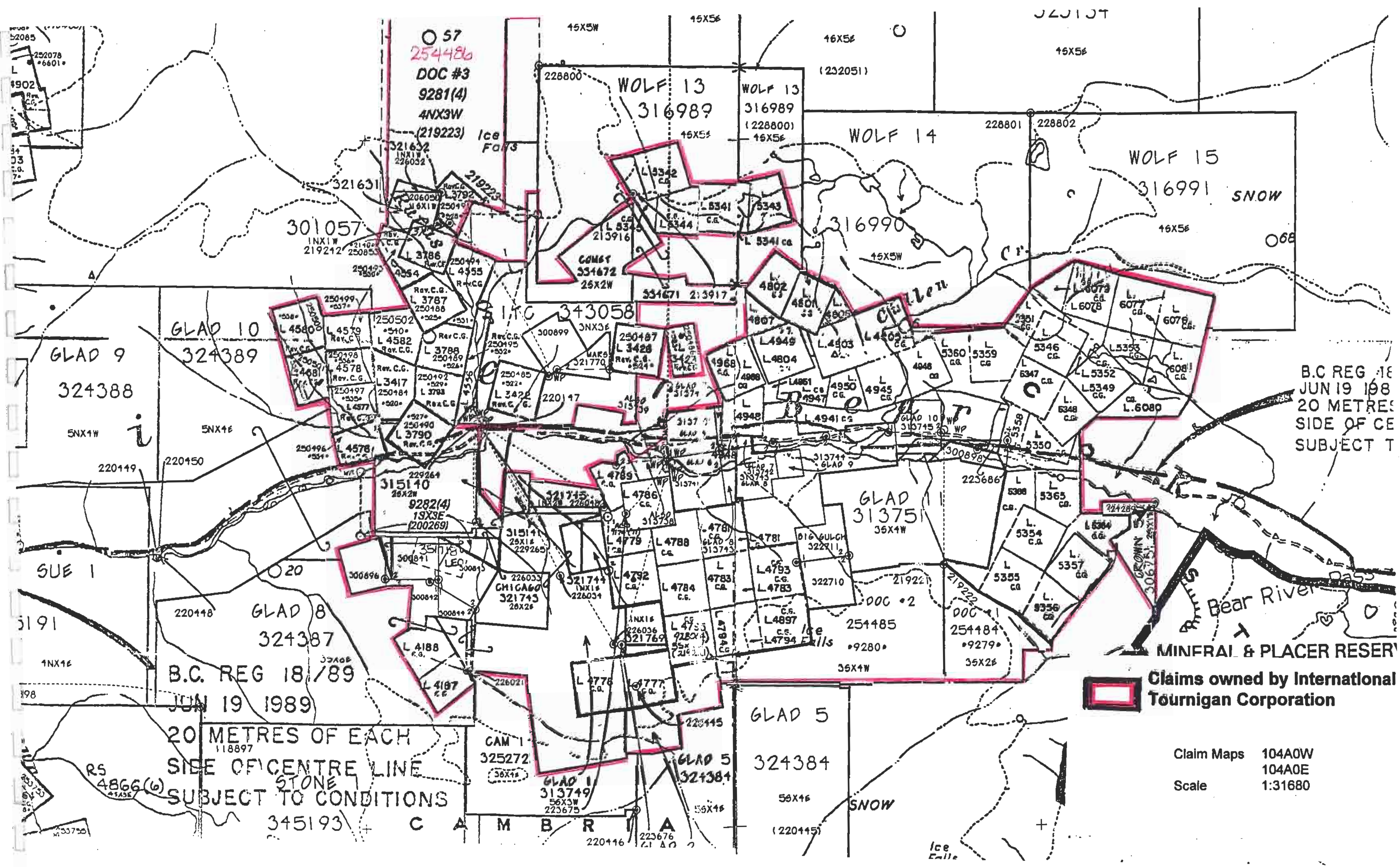
DECEMBER 1996

By:
D.R. GUNNING P.ENG.
M. ALLEN
L. AYOTTE

APPENDIX I

STATEMENT OF COSTS

Salaries:	Senior Geologists;M. Allen-100 mandays, M. Weatherly-15 mandays, D.Gunning-15 mandays		
	Junior Geologists: L. Ayotte-100mandays and S. Lindaas-60 mandays		
	Cook/camp manager: D. Hughes-100 mandays.		
	Average 390 mandays @ $180/day	SUB TOTAL-	**70,124.36**
Camp:			
	Materials and Supplies		29,219.36
	Camp and Equipment Rental		61,645.94
	Construction Trades		6,056.01
	Fuel		5,663.60
		SUB TOTAL-	**102,584.91**
Asaying:	246 samples @ $20.00/sample		**4,927.50**
Geological Supplies:			
	Field Gear		5,493.82
	Maps and Publications		371.39
	Printing and Reproduction		695.36
		SUB TOTAL-	**6,560.57**
Diamond Drilling:	4470 feet @ $26.00/foot		**116,490.22**
Helicopter:	Geologist Transport and camp support	70 Hours @ 1,000$/hour	**71,607.66**
Crew and Equipment Transport:			
	Vehicle Rental		6,173.80
	Travel		7,981.58
	Meals and Accomodation		7,664.20
	Freight		3,188.54
		SUB TOTAL-	**25,008.12**
Report preparation:	20 days @$300/day		**6,000.00**
GST:	paid on above expenses		**19,712.41**
Administration:	10% of above expenses		**40,330.33**
		TOTAL-	**$463,346.08**


DOC #3
9281(4)
4NX3W
(219223)
WOLF 13
316989
WOLF 14
WOLF 15
316991
316990
SNOW
COMET
331672
343058
GLAD 9
324388
GLAD 10
324389
GLAD 11
313751
GLAD 8
324387
GLAD 5
324384
GLAD 1
313749
SUE 1
301057
315140
CHICAGO
321743
CAM 1
325272
BIG GULCH
DOC #2
254485
DOC #1
254484
B.C. REG 18/89
JUN 19 1989
20 METRES OF EACH
SIDE OF CENTRE LINE
SUBJECT TO CONDITIONS
345193
C A M B R I A
Bear River
Ice Falls
MINERAL & PLACER RESERVE
Claims owned by International
Tournigan Corporation
Claim Maps 104A0W
104A0E
Scale 1:31680

SUMMARY

Flow through financing was arranged for the Bear Pass project in June of 1996 and a crew was quickly assembled and mobilized to the property in mid-July. A camp was constructed on the New York claim at an elevation near 3,000 feet a.s.l. where the crew was housed. Vancouver Island Helicopters provided transport and expediting from Stewart as well as crew access to isolated locations on the property.

During the 3 month program 421 man days were spent on the property, 170 chip samples were taken from various showings and 76 samples were split from the 4470 feet of BTW core drilled. The total cost of this work was $463,000.

Poor weather for most of the season meant that exploration focussed on the large magnetic anomaly defined by Westmin in 1994 on the New York and surrounding claims. The sampling and drilling in this area indicates that this shallow dipping horizon has been mineralized with up to 10 meters of pyrrhotite and pyrite with occasional chalcopyrite, sphalerite and anomalous gold. The best result in the drilling was hole 7 which intersected 21 feet grading 0.15% copper and 0.27g/tonne gold.

This horizon appears to be strata bound and may coincide with the lens of sulfide mineralization at the George-gold copper claims. The tuff unit hosting this horizon was mapped by Greig et al in 1994 to be a part of the Hazelton Group deposited in early Jurassic time. There have not been any significant mineral occurrences found in these strata to date in the Stewart area, most deposits being found in the later Dilworth or Betty Creek rocks.

A $595,000.00 program of further geological mapping and sampling including the possible drilling of quality targets is recommended on other areas of the property. Verification of previously discovered showings and prospecting strata which are more likely to contain ore deposits.

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1.0 INTRODUCTION

International Tournagin Corp. has been acquiring parcels of land in the Stewart area of B.C. to make up the Bear pass Property for the past 25 years. Financing for a full scale exploration program on the property was arranged in June of 1996 and an exploration crew was mobilized to the site in early July.

The extremely rugged terrain in the Stewart area require helicopter access for field crews. 1996 proved to be one of the worst in recent memory in terms of weather in northwestern British Columbia. A ten man tent camp was constructed at the 3,000 foot elevation near an old adit on the New York claims where previous work by Westmin had defined a large magnetic anomaly coinciding with an iron formation mapped intermittently on surface.

The poor weather resulted in most of the 1996 field season being spent mapping in more detail the New York claims in particular the iron formation. In late September Falcon Drilling mobilized a 4 man crew to the site and cored 4470 feet of BTW size diamond drill core. The 11 drill holes were all within walking distance from the camp so that helicopter crew changes were not required. This decision proved to be fortuitous as the weather did not cooperate in the least.

Some reconnaissance mapping and sampling was conducted on the other known showings whenever weather permitted but these brief forays to other areas of the property are considered to be preliminary at best. Conclusions on parts of the property other than the New York area have relied almost entirely on observations of others.

2.0 LOCATION AND ACCESS

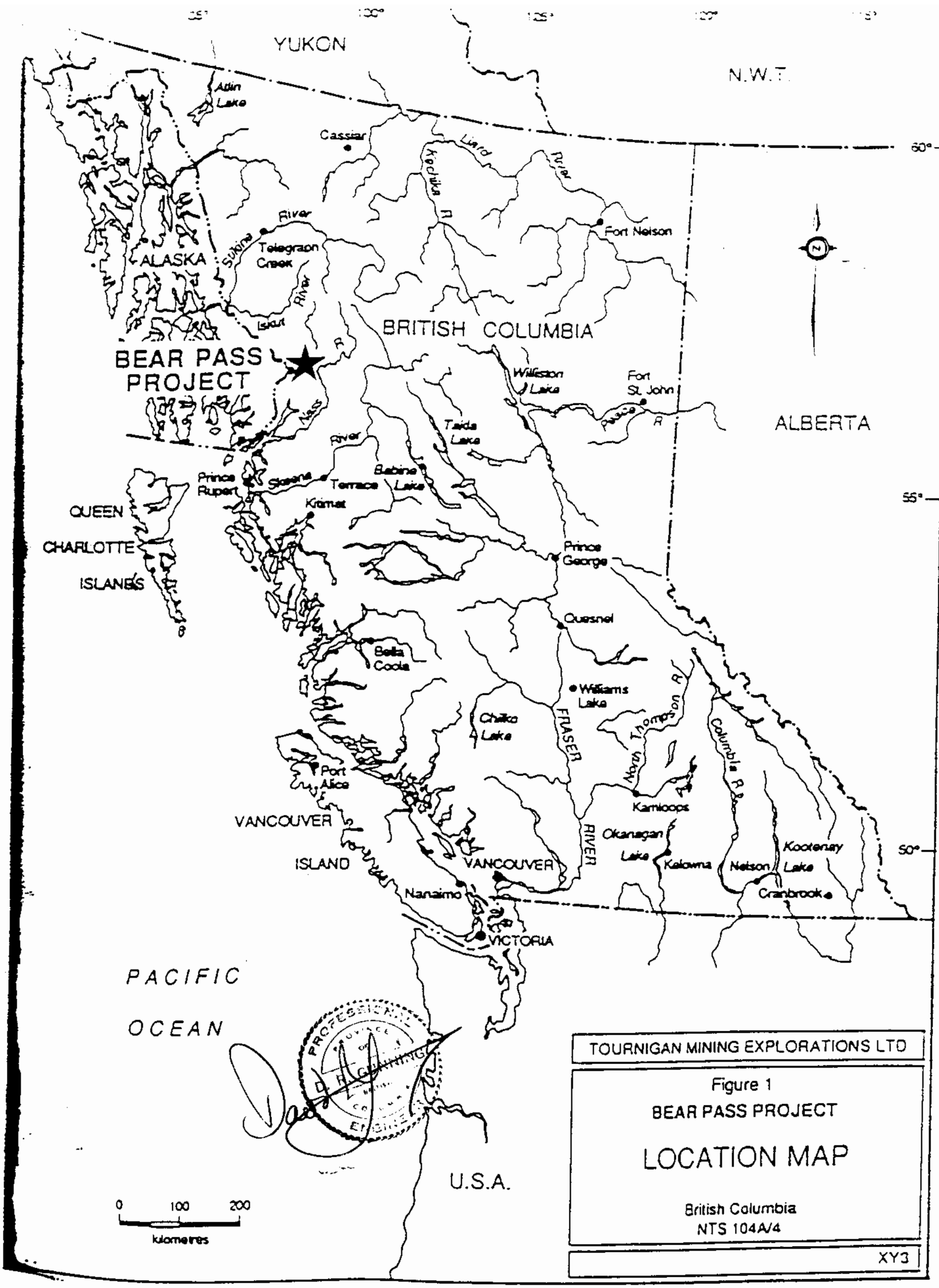
The Bear Pass property is located approximately 25 kilometres north of Stewart, B.C. The main highway access to Stewart from Meziadin junction bisects the property alongside the Bear River. Both the highway and the river are at an elevation of about 1400 feet ASL. The topography rises steeply from the valley floor to over 6,500 feet on the claims.

Glaciers bound the property to the north, south and east. The Bear Glacier bounds the southeast side of the property running to the north and toes out beside the highway. This glacier bounds the southeast side of the property. There are no roads to any of the showings and topography makes access by foot difficult from the valley.

Most of the known showings on the property are at or above the treeline meaning that helicopter access is required for most work. The VIH helicopter base in Stewart has machines available year round. There are expediting, hardware, grocery and other businesses located in Stewart which can supply almost anything required by exploration crews.

3.0 PHYSIOGRAPHY

Below 4,000 feet the claims are covered by timber, talus and cliffs. Willows and devils club near the many secondary drainages make walking difficult. Outcrop exposures are limited to cliff faces



YUKON
N.W.T.
60°
55°
50°
Adin Lake
Cassiar
Liard
Kechika R
River
Fort Nelson
ALASKA
Stikine
Telegraph Creek
River
Iskut
BRITISH COLUMBIA
BEAR PASS PROJECT
R
Nass
Williston Lake
Fort St. John
Peace
R
ALBERTA
Takla Lake
River
Babine Lake
Prince Rupert
Skeena
Terrace
Kitimat
QUEEN CHARLOTTE ISLANDS
Prince George
Quesnel
Bella Coola
Williams Lake
North Thompson R
Columbia R
Chilko Lake
FRASER
Port Alice
Kamloops
VANCOUVER ISLAND
RIVER
Okanagan Lake
Kelowna
Nelson
Kootenay Lake
Cranbrook
VANCOUVER
Nanaimo
VICTORIA
PACIFIC OCEAN
U.S.A.
0
100
200
kilometres
TOURNIGAN MINING EXPLORATIONS LTD
Figure 1
BEAR PASS PROJECT
LOCATION MAP
British Columbia
NTS 104A/4
XY3

'and creek sides both of which often require mountain climbing equipment for safe access. Above 4,000 feet the vegetation becomes much thinner consisting of mainly grasses and alpine flowers. Cliffs and talus are still abundant but outcrop is much more plentiful except where it obscured by the large icefields which cover portions of the claims and much of the area.

The Stewart area has recorded world record snow accumulations and consequently the field season is very short at higher elevations. Exploration activities are limited to July through September for the higher elevations with lower elevations opening up earlier and workable later. Rain and fog are almost constant through the summer months although there can be significant dry periods of a few weeks.

At the Bear Pass the proximity to the glaciers can make the weather when the moist air moving north from the Portland canal meets the cool down drafts from the glacial ice. The resulting cloud and or fog can be very disruptive to helicopter transportation as some visibility is necessary.

4.0 CLAIM TENURE

The Bear Pass property has been acquired over 25 years by "Tournigan" and consists of 6 principle groups. These groups are made contiguous by intermediate four post claims. The Bear Pass property consists of some 199 units of crown grants, reverted crown grants, two post and four post claims. The claims are owned by International Tournigan Corp. and they have various expiry dates. A complete list of the claims is listed in Appendix V. The main groups, each with its own history, are George Gold-Copper, New York, Enterprise, Red Top, Barite and the Rufus-Argenta.

5.0 HISTORY

The Stewart area has been an active mining camp since placer miners leaving the Cariboo first prospected the area in 1898. Since then several large mines have operated in the area and numerous smaller orebodies have been exploited. Countless mineral occurrences have been explored in varying detail.

The most well known of the mines is the Silbak-Premier gold mine which operated until 1968 (not including the recent open pit operations of Westmin) after being first staked in 1910. During the life of the mine over 4.3 million tonnes grading 13 grams per tonne gold and 274 grams per tonne silver were produced. Zinc, lead and minor amounts of copper were also produced from extensive replacement veins.

More than 22 million tonnes were mined at Anyox between 1914 and 1935. The ore averaged 1.5% copper, 1.7 grams per tonne gold and 9 grams per tonne silver with minor lead and zinc. Ore was produced from several lenses at or near the contact between Betty Creek andesitic pillow lavas and later Salmon River siltstones and greywackes (Grove, 1986) possibly a Cyprus style VMS deposit.

The Granduc deposit was discovered in 1951 when the Leduc glacier retreated sufficiently to reveal its outcrop. The Granduc mine operated from 1971 to 1978 and in 1981 and 1982. Published indicated reserves were 49 million tonnes grading 1.55% copper, 6.9 grams per tonne silver with minor gold, lead and zinc. Post mineral alteration has made definition of the deposit genesis difficult but it is now (Grove, 1986) thought to be a deformed VMS type deposit.

The other significant past producer was the B.C. Moly property at Kitsault on Alice Arm east of Anyox. This porphyry molybdenum deposit operated briefly in the early 1970's and again in the early 1980's producing almost 15 million tonnes of ore from published reserves of 95 million tonnes at a grade of 0.192% MoS_2.

The recently discovered Eskay Creek mine about 50 miles to the north of the Bear Pass triggered a massive staking rush in northwestern B.C. when it was discovered. This VMS style deposit has a reserve of 1.1 million tons grading 1.9 opt gold and 85 opt silver.

The area of northwestern B.C. from Stewart in the south to Telegraph Creek in the north has been called the Golden Triangle in recent years and is generally thought to represent under explored elephant country by most explorationists. There are numerous examples of small precious metal mines in the area namely; Johnny Mountain, Snip, Scottie Gold and Golden Bear as well as other as yet untapped reserves such as Sulphurets and the Doc. There are also some large porphyry deposits delineated such as Galore Creek with reserves of 138 million tons grading 1.06% copper, 0.39 g/tonne gold and 7 g/tonne silver.

Closer to Stewart the Red Mountain deposit is near to a production decision with a resource (1992) of 2.5 million tonnes grading 12.8 g/tonne gold and 38.1 g/tonne silver. The mineralization at Red Mountain is hosted in volcanic beds rich in pyrite associated with the Goldslide intrusive similar to the rocks found at Bear Pass.

The Bear Pass property, with its many known showings has a rich history of its own. Most of the known showings on the property were discovered in the early part of this century. Most of them have not been significantly explored since the time of their original exploration. Numerous adits are scattered across the steep hillsides developed on the many known showings.

The George Gold-Copper has perhaps had the most comprehensive work performed on it. Several steeply dipping veins were discovered and the first claim was staked in 1910 with a 115 foot adit being completed in 1919 along the shallow dipping zone of disseminated copper mineralization (recently referred to as the iron formation). Between 1919 and 1927 the property was optioned to numerous companies including Granby Consolidated. In 1927 it was optioned to Consolidated Mining and Smelting Co. (the forerunner of Cominco). Over the next 3 years eight holes totalling 8,162 feet were drilled to test the veins. Cominco exercised its option on the property but did only re-examinations until 1976 when Tournigan acquired the property. Cominco estimated a potential resource of up to 500,000 tons grading 2% copper and 0.05 opt gold based on the surface trenches and the drill holes.

'Of particular interest in addition to the veins at the George Copper-Gold was a lens of massive sulphide carrying up to 2% copper locally. A short adit was driven into this structure about 100 feet. 2 holes were drilled by Tournigan in 1976 to test the lens and intersected 9 and 15 feet of mineralization. Up to 1% copper was the result with minor amounts of zinc, lead, silver and gold. Work since 1978 has consisted mainly of various property exams with repeated chip samples.

The New York claim group forms the southwestern edge of the Bear Pass property. Early exploration of this property involved a short adit and several trenches on an iron formation bed containing pyrrhotite, pyrite and chalcopyrite with occasional gold values. In 1994 Westmin Resources Ltd. optioned the New York claims and performed a magnetometer survey as well as a soil geochemistry grid. The geophysics defined several large magnetic anomalies near the outcropping iron formation..

On the north side of the Bear River the Enterprise group of claims forms the northeast part of the property. Smitheringale in 1928 and 1929 performed trenching and drifting on several veins containing chalcopyrite. Most of these veins do not appear to have good continuity or gold values. For these reasons little work has been done on the claims since this initial work. the claims were mapped by Keyte in 1978 who indicates that much of the outcrop is rhyolite. He also mentions the existence of a high grade silver vein (>100 opt Ag) near the top of a talus slope. A zone of disseminated pyrite and chalcopyrite is mentioned and is thought to represent a similar if not the identical horizon as the one mineralized on the New York and George Copper.

The Red Top claims form the north-central part of the property. As with most of the claims there are several showings and a couple of adits. The two most important showings are a galena vein and a copper bearing zone. Both of these showings are located north of the Cullen Creek lineament. The copper zone has been tested by a short adit as well as 3 diamond drill holes by United Asbestos in 1968. The work to date indicates a lens shape but not a massive texture like the mineralization across the Bear River. Chip samples by Ore Quest in 1991 along the cliff face returned 1.76% copper over 12 meters. The lens in this location is thought to be about 5 meters in thickness. The galena vein has a few blasted trenches and has returned values of up to 15 opt Ag, 50% lead and 1% copper. This vein is located north and stratigraphically higher than the copper zone and may be continuous to the Barite claims to the northwest.

The Rufus/Argenta group forms the northwestern portion of the property. Over a dozen veins have been named on these claims since the turn of the century. Most are sub parallel and may constitute a similar situation as occurred at Scottie gold where en-echelon veins formed between fractures. Most of the old workings are now covered by glacial debris but ice recession may have revealed additional veins. The most encouraging fact of past work on the Rufus claims is that there are some gold values up to 0.3 opt. The gold content is in contrast to most of the rest of the property.

6.0 GEOLOGY

Recent discoveries such as Red Mountain and Eskay Creek along with past producers such as Silbak-Premier and Anyox in the Stewart area have prompted a great deal of geological investigation by industry and government. Since 1990 there have been many publications on both the geology in general and the mineralization of some of the deposits in detail. This recently generated material adds significantly to the past work of researchers such as Grove and Hanson.

6.1 REGIONAL GEOLOGY

The Stewart area is characterized by very thick units of volcanic tuff and flows over a broad range of geologic time. The earliest rocks in the Stewart area are Paleozoic volcano-sedimentary sequences known as the Stikine assemblage. These rocks provide the base for the constructive volcanism of the Upper Triassic Stuhini group and the early to middle Jurassic Hazelton Group. The names of the various formations have changed over the years and it is somewhat difficult to correlate the works of different authors. In general the marine volcanic and volcaniclastic units are difficult to differentiate with few fossils available for dating. From location to location the relative ages of strata cannot be accurately defined and consequently there remains doubt as to the age of some of the major deposits such as Anyox. Figures 2(a) and 2(b) show the regional geology of the Stewart area and more specifically the Cambrian Icefield.

The Unuk Formation forms the bottom of the Hazelton Group of lower Jurassic age and is a succession of volcaniclastic tuff and breccias interbedded with narrower layers of siltstone. The total thickness of this formation was stated by Grove in 1986 as 4500 meters in the Unuk River valley indicating an impressive constructive exhalative phase. Overlying the Unuk River formation is the Betty Creek Formation, another unit comprised generally of volcaniclastics with occasional basaltic pillows. Pillows thought to be part of the Betty Creek formation form the upper contact of the Anyox lenses and have been identified near the Red Mountain deposit.

The middle Jurassic aged Dilworth Formation overlies the Betty Creek formation. It is comprised of an ash tuff as well as lapilli tuff and debris flows and occurs in variable thicknesses indicative of paleotopography. The Dilworth formation is an important strata regionally as it is adjacent to the Eskay Creek deposit and may also have been deposited at the same time as the Anyox and Granduc deposits. The uppermost Hazelton group rocks are the Salmon River formation composed of well stratified siltstones and mudstones and a fossiliferous limestone. The lower Triassic strata of the Bowser Lake group are not signifacant in the Stewart area outcropping mainly to the east.

There have been several eras of intrusive activities with events ranging in size from plutons to dykes and sills. There are two age groupings of intrusive activity; the early Jurassic Texas Creek plutonic suite aged about 200 million years and the Tertiary aged Hyder plutonic suite aged 50 million years old. Both of these intrusive types can host mineral deposits. The Goldslide intrusives (160 and 200 Ma. LAC Minerals cited in Schroeter et. al., 1992) are associated with mineralization at Red Mountain and the Lime Creek pluton (50-52 Ma. Grove, 1986) hosts the molybdenum deposit at Alice Arm.

Figure 2(a)
Regional Geology

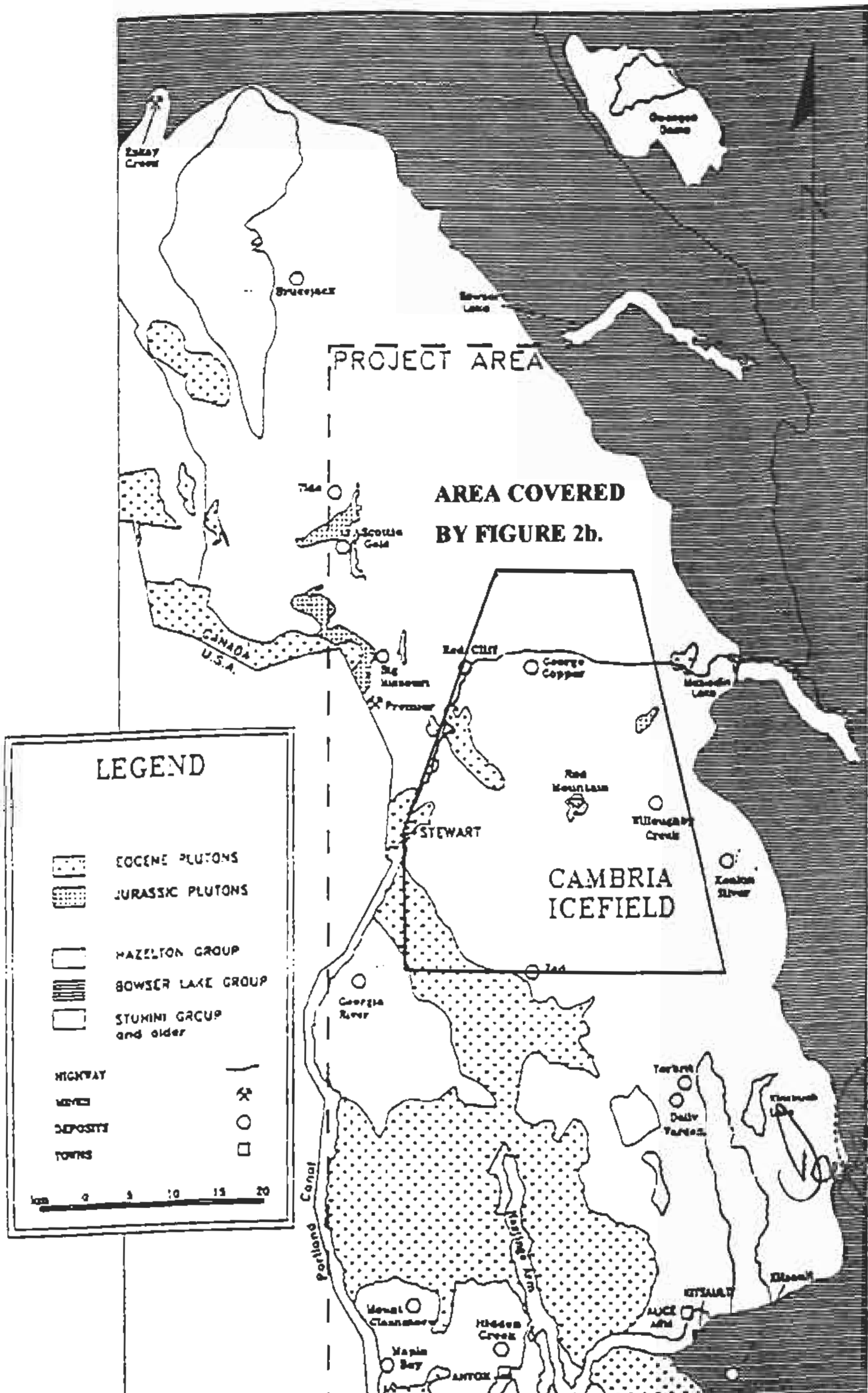
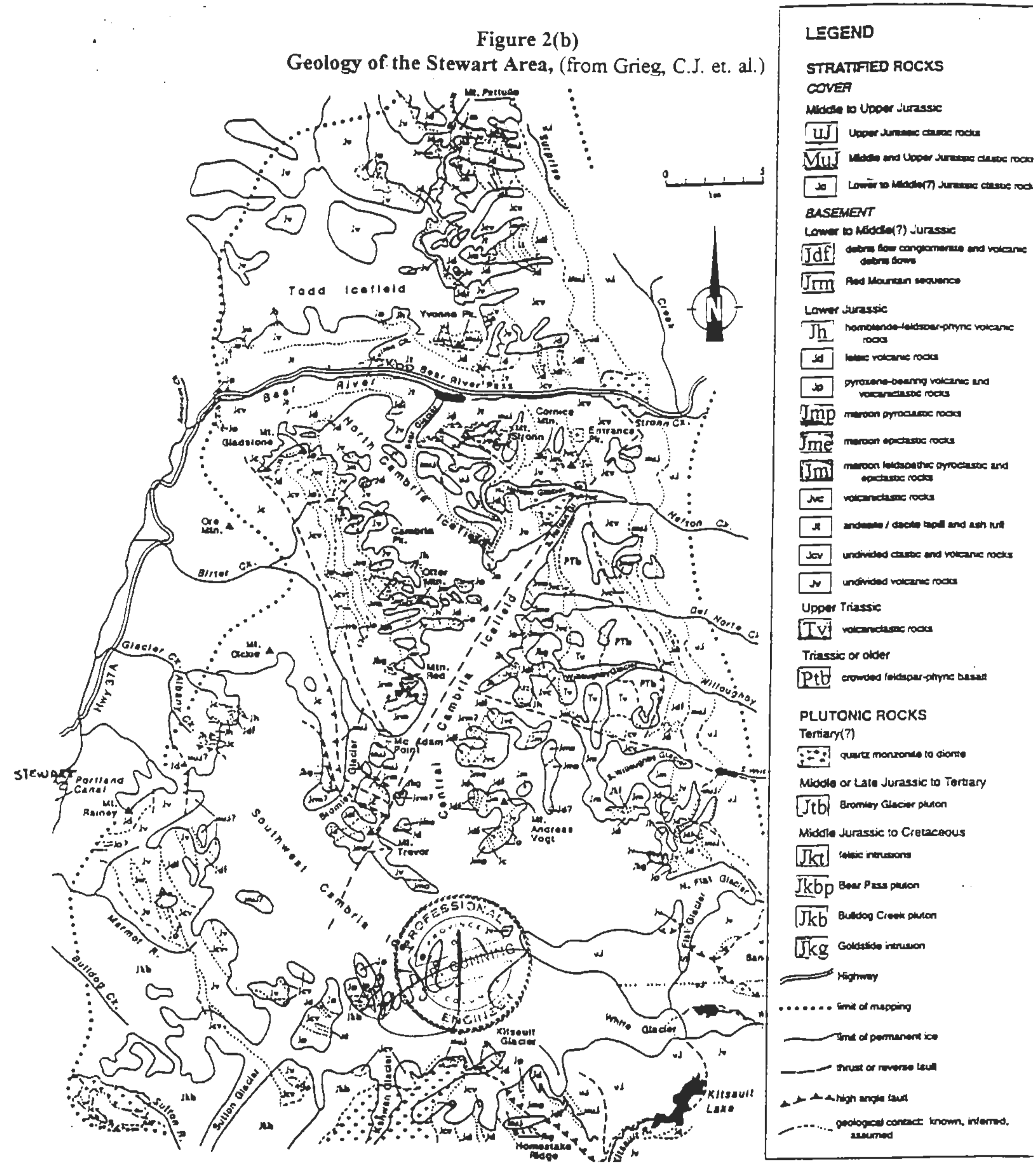


Figure 2(b)
Geology of the Stewart Area, (from Grieg, C.J. et. al.)



Dyke swarms in the area are thought to be related to the latter suite of intrusive activity. The Portland Canal dyke swarm varying in composition from lamprophyre to rhyolite and granite strikes northwesterly from Bitter Creek through the Premier mine. The Nelson Glacier dyke swarm is more localized east of Strohn mountain associated with the Nelson Glacier pluton. All of the dykes are though to have been emplaced along pre-existing fractures or bedding.

6.2 PROPERTY GEOLOGY

The Bear Pass Property is almost entirely underlain by variably stratified volcanic flows and tuff. These units are generally andesitic containing some felsic lithic lapilli. These units are not traceable to other valleys in the region and are therefore thought (Greig, C.G. et. al. 1994) to represent an area of low topographic relief and possibly continued subsidence during deposition. Greig indicates that overlying this Jurassic tuff conformably are felsic volcanics possibly of the Dilworth formation.

In the area of the New York claim the strata dip gently to the northeast. Just off the southwest corner of the property some massive pillows outcrop on a ridge adjacent to the glacier. These pillows are thought to be a part of the Betty Creek formation meaning that the andesites found on most of the rest of the property must be the upper unit of the Unuk River formation. The enterprise property is said to be underlain by feldspar porphyry flows and dykes (Lac, 1994). This may be the premier porphyry unit which caps the Unuk River formation near the Premier Mine to the west of Bear pass (Grove, 1986).

The Cullen Creek appears to be the most prominent fault structure on the property although there is no idea currently as to the magnitude or direction of movement along it. Near the mouth of Cullen creek a small intrusive pluton has been mapped and called the Bear Pass intrusive. Both the Red Top and Enterprise workings appear to be peripheral to this intrusive. It is probably not coincidence that the location of this intrusive is near the Cullen creek lineament as intrusion usually occurs along zones of crustal weakness. This intrusive may be a mineralizing source and definitely warrants further investigation.

On his map Grieg shows this intrusive to be similar age to the Goldslide intrusions (200 ma) which are possibly responsible for the mineralization at Red Mountain, Willoughby and Teuton-Minvita. The pluton to the west of Bear pass at Bitter Creek and the Strohn Creek pluton to the east have been dated as Tertiary age in the same era as the small plutons hosting the Molybdenum porphyry deposit at Alice Arm.

There are several dykes traversing the property both north and south of the Bear River. There are several steeply dipping southeast striking dykes near the George-Copper showing, one of them seems to truncate the massive sulfide lens. There are also dykes on the Rufus group which also strike south easterly.

6.3 MINERALIZATION AND ALTERATION

The stratified volcaniclastics and mudstones are ubiquitously mineralized with disseminated pyrite. These rocks form gossanous cliffs at many locations on the property. Previous workers on the property describe an iron formation which appears to be a silty tuff that occasionally hosts more massive lenses of sulphides. Above this "iron formation" stratigraphically quartz veins of various composition outcrop on most of the claim groups. The veins can contain chalcopyrite, galena, sphalerite, barite as well as gold and silver values.

There are numerous workings on the property most of which have explored the many veins. A few of these adits have tested the "iron formation" which occurs at about 3,000 feet elevation on both sides of the Bear River. The formation can attain thicknesses of 10 meters and is described as being a diseminated sulfide lens in some instances while others such as the George Copper are more massive concentrations of pyrite, pyrrhotite and lesser chalcopyrite. In most cases the best results are locally less than 2% copper with low gold values. Tremolite, actinolite and garnet have been found in association with the "iron formation" prompting speculation of some kind of skarn genesis. No intrusives have been found adjacent to the skarn type mineralization with exception of the George-Copper lens however and a recent lead isotope date (Gabites et.al.) indicates a Jurassic age which would rule out the epigenetic skarn model.

The most comprehensive data available is on the George Copper-Gold claims. Between 1925 and 1930 Cominco explored the property with several diamond drill holes and surface trenches on a series of veins. The result was an often quoted possible resource of 500,000 tons grading 2% coper and 0.06 opt gold which is no more accurate now than when it was first drilled in 1929. This reserve is contained in several veins which outcrop about 1,000 feet above the copper queen adit. The quartz veins occur along shear zones with widths of up to 2 meters. They contain pyrite, pyrrhotite, hematite, arsenopyrite and chalcopyrite with gangue minerals of jasper and quartz. The steep cliffs in the vicinity of the adit have hindered further exploration. Galena and barite occur in veins elsewhere on the property.

The Copper Queen adit has explored a lens of massive sulphide/oxide material which carries up to 2% copper with minor zinc, gold and silver. This lens was tested by two drill holes in 1976 by Tournigan which returned values of 1% copper over 15 feet. The horizon hosting this lens is thought to be the same one that hosts the pyrrhotite mineralization on the New York claims.

Similar mineralization to that found in the Copper Queen adit is reported on the Red Top and Enterprise claim groups. This mineralization on these other claim groups has been assumed to be located along the same strata by previous authors. These showings also contain up to 2% copper (described as disseminated) locally but low gold values.

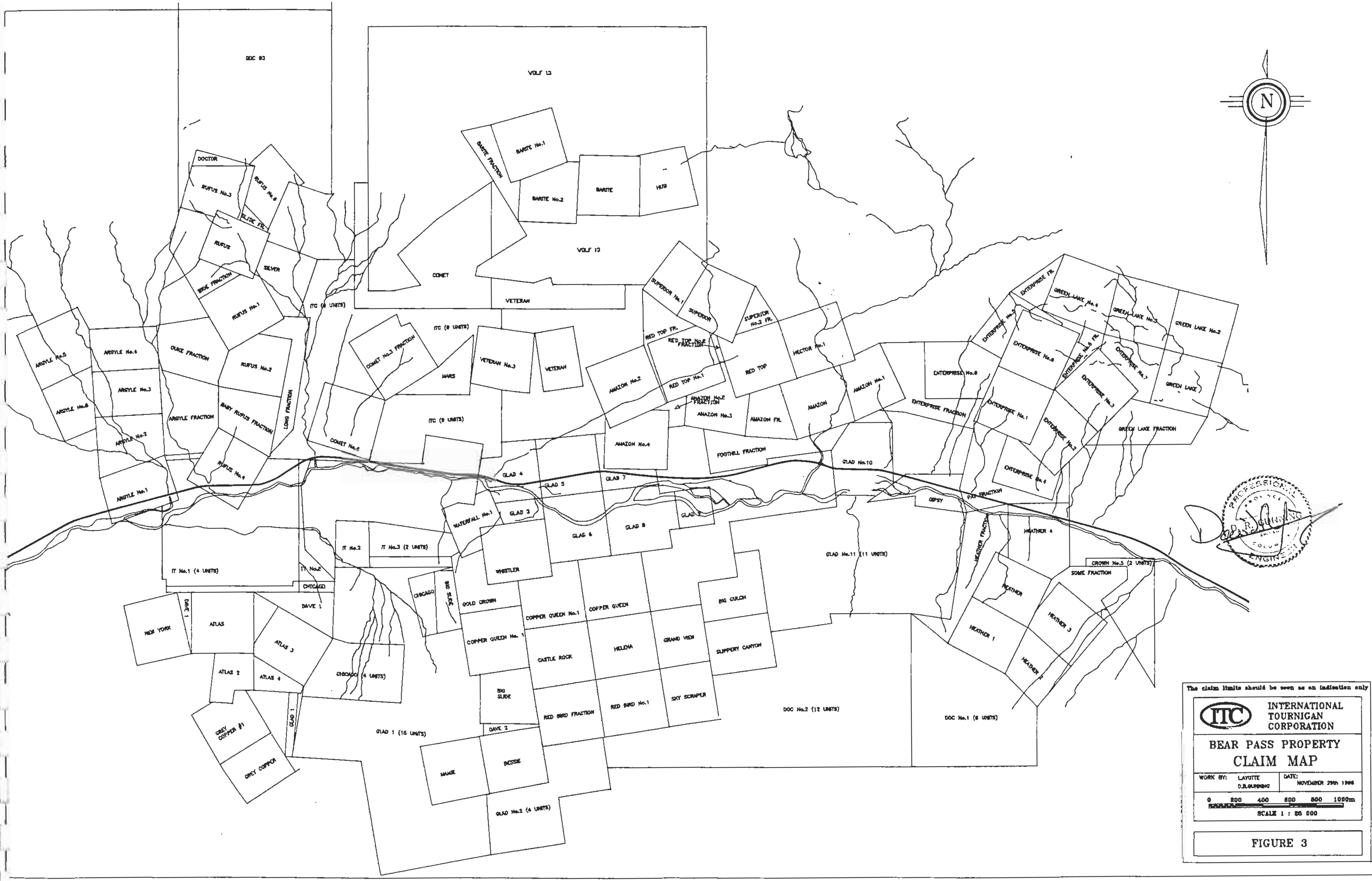

N
DOC 83
VOLF 13
BARITE No.1
BARITE FRACTION
BARITE No.2
BARITE
HUB
DOCTOR
RUFUS No.3
RUFUS No.6
SLIDE FR.
RUFUS
SILVER
SIDE FRACTION
RUFUS No.1
COMET
VETERAN
ITC (6 UNITS)
ITC (8 UNITS)
ITC (9 UNITS)
COMET No.3 FRACTION
MARS
VETERAN No.3
VETERAN
SUPERIOR No.1
SUPERIOR
SUPERIOR No.2 FR.
RED TOP FR.
RED TOP No.2 FRACTION
RED TOP No.1
RED TOP
HECTOR No.1
AMAZON No.2
AMAZON No.2 FRACTION
AMAZON No.3
AMAZON FR.
AMAZON
AMAZON No.1
AMAZON No.4
FOOTHILL FRACTION
ENTERPRISE FR.
ENTERPRISE No.5
ENTERPRISE No.6
ENTERPRISE No.7
ENTERPRISE No.8
ENTERPRISE FRACTION
ENTERPRISE No.1
ENTERPRISE No.2
ENTERPRISE No.3
ENTERPRISE No.4
GREEN LAKE No.4
GREEN LAKE No.3
GREEN LAKE No.2
GREEN LAKE
GREEN LAKE FRACTION
ARGYLE No.5
ARGYLE No.4
ARGYLE No.3
ARGYLE No.6
ARGYLE No.2
ARGYLE No.1
ARGYLE FRACTION
DUKE FRACTION
RUFUS No.2
BABY RUFUS FRACTION
LONG FRACTION
RUFUS No.4
COMET No.6
GLAD 4
GLAD 5
GLAD 7
GLAD 3
GLAD 6
GLAD 8
GLAD 9
GLAD No.10
GLAD No.11 (11 UNITS)
WATERFALL No.1
GIPSY
PAY FRACTION
HEATHER FRACTION
HEATHER 4
HEATHER
HEATHER 1
HEATHER 2
HEATHER 3
CROWN No.5 (2 UNITS)
SOME FRACTION
IT No.1 (4 UNITS)
IT No.2
IT No.3 (2 UNITS)
CHICAGO
WHISTLER
BIG SLIDE
GOLD CROWN
COPPER QUEEN No.1
COPPER QUEEN
COPPER QUEEN No. 1
BIG GULCH
NEW YORK
DAVE 1
ATLAS
ATLAS 3
ATLAS 2
ATLAS 4
CHICAGO (4 UNITS)
CASTLE ROCK
HELENA
GRAND VIEW
SLIPPERY CANYON
RED BIRD FRACTION
RED BIRD No.1
SKY SCRAPER
DOC No.2 (12 UNITS)
DOC No.1 (6 UNITS)
GREY COPPER #1
GREY COPPER
GLAD 1
GLAD 1 (15 UNITS)
DAVE 2
MAMIE
BESSIE
GLAD No.2 (4 UNITS)
The claim limits should be seen as an indication only
ITC
INTERNATIONAL TOURNIGAN CORPORATION
BEAR PASS PROPERTY
CLAIM MAP
WORK BY: LAYOTTE D.R.GUNNING
DATE: NOVEMBER 29th 1996
0 200 400 600 800 1000m
SCALE 1 : 25 000

FIGURE 3

7.0 RESULTS

The 1996 exploration program on the Bear Pass property collected a total of 246 samples. All of the samples were assayed for gold along with 32 other elements by ICP methods at Eco-Tech labs in Kamploops. All of the assay results are included as Appendix III. Of the total, 76 samples were split from the drill core and their descriptions can be found in the drill hole logs located in Appendix IV. The remaining 170 samples were collected from various property traverses and their descriptions are attached as Appendix II. The following two sections discuss the geological and numerical results in more detail.

7.1 PROSPECTING AND SAMPLING

The field crew prior to drilling consisted of two senior geologists, a staff geologist and a junior geologist. All personnel resided in the camp for the duration of the field season except for occasional trips to Stewart to do laundry and pick up supplies. Due to the poor weather in the summer of 1996 there were many days when the helicopter could not be used to access other parts of the property, this was due in part to the location of the camp which appeared to be a magnet for fog when other parts of the property were clear. For this reason most of the samples taken in 1996 were from the New York group of claims (see figure 6 for sample locations on the New York claims).

There have been numerous past reports on the properties the writers of which have sampled both float and outcrop. This year great efforts were made to limit sampling to outcrop in areas previously prospected (most of the claims). This is not always easy on the claims as much of the ground consists of either cliffs which cannot be climbed without ropes or talus slopes consisting or rubble the size of small houses. The sample locations for the remainder of the property aside from the New York property are shown on figures 4.

The work on the New York claims further defined the "iron formation" which was found generally to consist of bed of chloritic-argillitic andesite mudstone which has been mineralized with pyrite, pyrhotite and occasional chalcopyrite, sphalerite and galena. This massive sulphide horizon remains relatively near surface from the New York adit approximately 100 meters up slope to the south and several hundred hundred meters to the east. Anomalous gold values occur with increased concentrations of chalcopyrite or other metal sulfides. In general however there were no significant ore grade samples taken.

The chert layer associated with the "iron formation" referred to in some of the old reports was located but found to be composed of a fine grained black, chloritic volcano-sediment containing massive sulphide. This strata does appear to be continuous from the New York to the George Copper and up hill to the south from the New York. Along Goat Ridge the horizon develops an attitude of 030° with a 63° dip to the Northeast. At goatcrop the "iron formation" appears to be associated with a fault which may account for the change in attitude, this location also returned some of the highest assays such as #312525 with 0.15% copper, 2% lead, 0.6% zinc and 19 ounces/ton silver over a 4 foot thickness. It has not been definitively established whether "Goatcrop" is the same horizon as the New York.

7.2 DIAMOND DRILLING

Eleven holes were drilled from three sites with a total of 4470 feet of BTW core being recovered. Seventy six samples were split from this core most of them from within the pyrite-pyrhotite bearing strata. The location of the drill holes is shown on figure 6 and a cross section between drill sites 2 and 3 is shown in figure 7.

The core showed a consistant volcaniclastic environment with well stratified layers being more or less projectable between the holes. All of the strata contained disseminated pyrite in quantities up to 2%. The strata varied from volcaniclastic agglomerate through lappilli tuff to fine grained mudstones.

The most recognizeable of the strata apart from the iron formation was a jet black mudstone typically 20 feet thick. This horizon is shown on the cross section (figure 7). It consisted of very fine grained assumed to be airborne dust deposited aqueously. Pyrite cubes up to 5 mm in size occurred regularly and pyrite was also present as fracture fillings. This unit like most of the cored strata was somewhat limey in places effervescing with 10% Hcl.

The "iron formation" was intersected at the top of each of the last 8 holes and varied in length from 10 to 50 feet. Mineralization was not massive throughout the entire length in the intersections and the longest intersections are thought to have drilled somewhat down dip. The best assays came from hole 96-07 which returned 21 feet averaging 0.27 g/tonne gold and 0.15% copper. This was the only intersection which contained significant gold values.

8.0 CONCLUSIONS

Recent age dates (C.J. Greig et. al. 1995) indicate that the George Copper showing was deposited in early Jurassic time syngenetic with the volcanic rocks in the area. This strata represents a very interesting target which could develop tonnage very quickly but high grades such as sample #312525 will be needed. Greig's hypothesis that the volcanic strata of the Bear Pass represent a zone of recurrent subsidence mean that there could have been a basin present to collect sulfide mineral exhalatives. The massive sulphide lenses on th George-Copper and New York claims

The Bear Pass property has all of the characteristics necessary to host a VMS style deposit. The rocks of most of the properties are marine deposited tuff and flows typical of many VMS settings. The "iron formation" strata is characterized by chlorite and has been referred to in the past as argillite and chert. It appears that this strata was collecting fine sediments subaqueously for a long time prior to the event which introduced the sulphides. Many of the volcaniclastic strata are limey and there is evidence in trenches and core of skarn type alteration of the rocks.

The American Creek and Cullen Creek faults are likely long active tectonic features that could provide access through the crust for an exhalative event. This is proven by the Strohn Creek , Bitter Creek and Bear Pass plutons located along the Highway route which have likely selected the same route millions of years later. The fact that two other VMS deposits (Granduc and Anyox) are located in the region indicates that these type of events did occur regionally.

Only sample #312525 at "Goat crop" returned economic values in the area of the New York claims. The large magnetic anomaly defined by Westmin can be attributed to the lenses of massive pyrrhotite located ubiquitously in the "iron formation". The bedding in the area is relatively flat as indicated by the thick (20 feet) black mudstone which can be correlated between diamond holes. Although the sulfide bearing horizon is very interesting geologically there is no indication as to where accumulations of higher grade material might be located.

9.0 RECOMMENDATIONS AND BUDGET

The 1996 Exploration program was very efficient in terms of dollars per foot drilled however the drill results were quite poor and ultimately good results are what really matters. Future exploration on the Bear Pass property must develop better targets early in the season so that they may be drill tested before the weather becomes overly restrictive.

The crew on the property did a good job of working through terrible weather conditions and obtaining some results. This crew had no previous experience in northwestern B.C. and has obtained valuable experience in the local geology as well as in the logistics of exploring the Bear Pass. If practical the crew used in subsequent exploration seasons should include those from the 1996 crew.

There has been a lot of new geologic information generated in the Stewart area in the last 10 years. Discoveries such as Red Mountain show that some of these volcanic strata can be very well mineralized. In preparing this report much of this material has been reviewed but further time should be spent searching and reviewing all of the available information to determine what if any light it sheds on the claims of the Bear Pass project.

One of the main concerns of future exploration will be the significance of the so-called "iron formation". This strata appears to have many characteristics of a VMS style deposit. The question is whether or not these deposits exist or if they have been eroded from the valley center. The location of an exhalative source would answer many of these questions. It may be determined that the Bear Pass pluton has intruded the older source. The other question will be if there is enough precious metals to support a profitable operation. Precious metals are the difference between Eskay Creek and Granduc. It is debatable whether Anyox (22 million tons of 1.5% copper) would be profitable if found today.

The zones of the Red Top and Enterprise claims should be checked at some length. There is mention in past reports of rhyolite (an important component of VMS genetic models) outcrops in many locations. Previous writers have also mentioned a similar "iron formation" on these claims, this structure should be explored using experience from this years program to conclude the extent of this strata. The showings should be looked at with respect to both large and small scale deposits as well as the possible association of mineralization with the nearby Bear Pass Pluton. This pluton should be investigated in some detail (perhaps even dated) as to alteration and possible mineralization. It would aid overall property evaluation to know which suite of intrusive activity that this pluton is a part of.

The veins on the Rufus and Barite claims need further investigating. There is record of significant gold values on the Rufus claims which need to be verified. The Rufus veins may be close enough together to warrant mining at a larger scale if the reported stockwork does exist. The area adjacent to the glaciers is excellent prospecting ground as it may never have been looked at previously.

The following budget is proposed to evaluate all other showings on the property. It is estimated that the crew would be on site from mid June through mid September. This budget is very dependant on the success of preliminary sampling early in the program. Without the definition of drill targets there will not be any diamond drill expenditures and consequently the cost of the program would be reduced.

PROPOSED 1997 BUDGET

Geological Compilation of Bear Pass Property		3,000
Preparation of Base Maps		2,000
Salaries		
2 senior geologists 180 mandays at $350/day		63,000
2 junior geologists 180 mandays at $200/day		36,000
Cook and expediter 90 days at $200/day		18,000
Room and Board: 500 mandays @ $30/manday		15,000
Transportation		
5 return airfares to Vancouver		3,000
Truck rental and fuel		10,000
Helicopter: 120 hours @ $1000/hour		120,000
Assaying: 1,000 samples @ $25/sample		25,000
Drilling:		
Pad building : 4 pads at $5,000 each		20,000
4,000 feet @ $30/foot		120,000
Camp: construction and operation near drill sites		50,000
	Subtotal	485,000
G.S.T. 7%		35,000
Contingency @ 15%		75,000
	Total	**595,000**

APPENDIX I

STATEMENT OF COSTS

Salaries:			
	Senior Geologists;M. Allen-100 mandays, M. Weatherly-15 mandays, D.Gunning-15 mandays		
	Junior Geologists: L. Ayotte-100mandays and S. Lindaas-60 mandays		
	Cook/camp manager: D. Hughes-100 mandays.		
	Average 390 mandays @ $180/day	SUB TOTAL-	**70,124.36**
Camp:			
	Materials and Supplies		29,219.36
	Camp and Equipment Rental		61,645.94
	Construction Trades		6,056.01
	Fuel		5,663.60
		SUB TOTAL-	**102,584.91**
Asaying:	246 samples @ $20.00/sample		**4,927.50**
Geological Supplies:			
	Field Gear		5,493.82
	Maps and Publications		371.39
	Printing and Reproduction		695.36
		SUB TOTAL-	**6,560.57**
Diamond Drilling:	4470 feet @ $26.00/foot		**116,490.22**
Helicopter:	Geologist Transport and camp support	70 Hours @ 1,000$/hour	**71,607.66**
Crew and Equipment Transport:			
	Vehicle Rental		6,173.80
	Travel		7,981.58
	Meals and Accomodation		7,664.20
	Freight		3,188.54
		SUB TOTAL-	**25,008.12**
Report preparation:	20 days @$300/day		**6,000.00**
GST:	paid on above expenses		**19,712.41**
Administration:	10% of above expenses		**40,330.33**
		TOTAL-	**$463,346.08**

APPENDIX II

SAMPLE DESCRIPTIONS AND NEW YORK CLAIM GEOLOGICAL CROSS SECTIONS

SAMPLE #	LOCATION	TYPE	DESCRIPTION
311551	George Au-Cu	rock chips	fine-gr volcaniclastic, blk, highly jt, semi-msv sulf
311552	George Au-Cu	rock chips	fine-gr volcaniclastic, dk, diss sulf
311553	George Au-Cu	rock chips	fine-gr volcaniclastic, FeOx stained, diss sulf
311554	George Au-Cu	rock chips	fine-gr volcaniclastic, FeOx stained, diss sulf
311555	George Au-Cu	rock chips	fine-gr volcaniclastic, FeOx stained, diss sulf
311556	George Au-Cu	rock chips	fine-gr volcaniclastic, FeOx stained, diss sulf
311557	George Au-Cu	rock chips	fine-gr volcaniclastic, FeOx stained, semi-msv sulf
311558	Heather	rock chips	volcaniclastic bx, lg pumice clasts
311559	Heather	rock chips	volcaniclastic bx, lg pumice clasts
311560	Heather	rock chips	volcaniclastic bx, lg pumice clasts
311561	New York	rock chips	volcaniclastic, FeOx stained
311562	New York	rock chips	volcaniclastic, FeOx stained, diss sulf
311563	New York	rock chips	volcaniclastic, FeOx stained
311564	New York	rock chips	med-gr volcaniclastic
311565	New York	rock chips	med-gr volcaniclastic
311566	New York	rock chips	volcaniclastic, lt, 2mm clasts
311567	New York	rock chips	arg, FeOx stained, hematitic
311501	New York	rock chips	Fe fm?
311502	George Au-Cu	rock chips	arg, blk, FeOx stained, 5 ft. line, near adit
311503	George Au-Cu	rock chips	arg, blk, FeOx stained, 5 ft. line, near adit
311504	George Au-Cu	rock chips	arg, blk, FeOx stained, 5 ft. line, near adit
311505	George Au-Cu	rock chips	arg, blk, FeOx stained, 5 ft. line, near adit
311506	George Au-Cu	rock chips	arg, blk, FeOx stained, 5 ft. line, near adit
311507	George Au-Cu	rock chips	arg, blk, FeOx stained, 5 ft. line, near adit
311508	Enterprise	rock chips	volcaniclastic, 2 ft. alt fx, diss py
311509	Enterprise	rock chips	silc, alt volcaniclastic, diss py
311510	Enterprise	rock chips	silc, alt volcaniclastic, 15 ft. fx, 5% sulf
311511	Enterprise	rock chips	very alt volcaniclastic, py
311512	Enterprise	rock chips	alt volc., py
311513	Grey Cu	rock chips	undiff volcaniclastic, FeOx stain, 6 ft. .line
311514	Grey Cu	rock chips	undiff volcaniclastic, FeOx stain, 4.5 ft.

			line
311515	Grey Cu	rock chips	undiff volcaniclastic, FeOx stain, 3 ft. line
311516	Grey Cu	rock chips	fine-coarse gr volcaniclastic, FeOx stain, 6 ft. line
311517	Grey Cu	rock chip and grab	FeOx stain, fx, 3 ft. wide, wkly mag.
311518	Grey Cu	rock chip and grab	FeOx stain fx, silc., wkly mag, py
311519	Grey Cu	rock chip and grab	gossan oc, 4 ft. wide FeOx stain fx, mag, leach sulf
311520	Grey Cu	rock chip and grab	silc oc, 6 ft. wide FeOx stain fx, leach sulf, very fine py
311521	Grey Cu	rock chip	silc oc, subparallel fx, leach sulf, wkly mag, diss sulf and on fx
312501	Grey Cu	rock chip	fine-gr mstone, lam, gry to blk, FeOx stain
312502	Grey Cu	rock chip	fine-gr mstone, lam, gry to blk, FeOx stain
312503	Grey Cu	rock chip	fine-gr mstone, lam, gry to blk, FeOx stain
312504	Grey Cu	rock chip	fine-gr mstone, lam, gry to blk, FeOx stain
312505	Grey Cu	rock chip	fine-gr mstone, lam, gry to blk, FeOx stain
312506	Grey Cu	rock chip	fine-gr mstone, lam, gry to blk, FeOx stain
312507	Grey Cu	rock chip	fine-gr mstone, lam, gry to blk, FeOx stain
312508	Grey Cu	rock chip	fine-gr mstone, lam, gry to blk, FeOx stain
312509	Grey Cu	rock chip	fine-gr mstone, gry to blk, lam, FeOx stain, leach sulf
312510	Grey Cu	rock chip	15 ft. down dip from 312509, FeOx stain, leach sulf, 5 ft. line
312511	Grey Cu	rock chip	fine-gr mstone, gry to blk, lam, FeOx stain
312512	Grey Cu	rock chip	fine-gr mstone, lam, gry to blk, FeOx stain
312513	Grey Cu	rock chip	fine-gr mstone, lam, gry to blk, FeOx stain
312514	Grey Cu	rock chip	volcaniclastic, FeOx stain, sulf
312515	Grey Cu	rock chip	fine-gr mstone, lam, gry to blk, FeOx stain
312516	Grey Cu	rock chip	fine-gr mstone, lam, gry to blk, FeOx stain
312517	Grey Cu	rock chip	fine-gr mstone, lam, gry to blk, FeOx stain
312518	Grey Cu	rock chip	fine-gr mstone, lam, gry to blk, FeOx stain
312519	Grey Cu	rock chip	fine-gr mstone, lam, gry to blk, FeOx stain
312520	Grey Cu	rock chip	silc mstone
312521	Grey Cu	rock chip	argillite
312522	Grey Cu	rock chip	fine-gr mstone, lam, gry to blk, FeOx stain
312523	Grey Cu	rock chip	fine-gr mstone, lam, gry to blk, FeOx stain
312524	Grey Cu	rock chip	fine-gr mstone, lam, gry to blk, FeOx stain
312525	Grey Cu	rock chip	lam sed, FeOx stain, gn str, 4 ft. line
312526	Grey Cu	rock chip	fine-gr mstone, lam, gry to blk, FeOx stain
312527	Grey Cu	rock chip	dk mstone, silc, py
312538	New York	roch chip	med-gr tuff, 2% py, cc, chl, ep
312537	New York	rock chip	and tuff, diss sulf

312539	New York	rock chip	and tuff, diss sulf < 1%, wkly mag
312540	New York	rock chip	and tuff, 2% sulf, sm py vl
312541	New York	rock chip	volcaniclastic, chert clasts < 5mm, diss py and chl
312542	New York	rock chip	silc volcaniclastic, lt gry, 5-10% 1-2mm chert clasts, diss sulf < 1%
312543	New York	rock chip	silc volcaniclastic, lt gry, cluster sulf°2%
312544	New York	rock chip	mafic volcaniclastic, grn chl?, py 1mm cubes
312545	New York	rock chip	chert, gry, < 1% diss py
312528	New York	rock chip	sil. volcaniclastic, FeOx stain, py, mnr cp
312529	New York	rock chips	sil. volcaniclastic, FeOx stain, cc, py
312530	New York	rock chip	diss py, poss. cp on fract in chl. sil. volcaniclastic
312531	New York	roch chip	volcaniclastic, FeOx stain, chl, cc
312532	New York	rock chip	sil. volcaniclastic, alt., chl and mnr diss py
312533	New York	rock chip	sil. volcaniclastic, chl, diss. py
312534	New York	rock chip	sil. volcaniclastic, mnr py, FeOx stain
312535	New York	rock chip	volcaniclastic, chl
312536	New York	rock chip	Upper ct. lam. FeOx stain. beds, mnr py, poss. black chert
312546	New York	rock chip	lam. mstone
312547	New York	rock chip	lam. mstone
312548	New York	rock chip	lam. mstone
312549	New York	rock chip	carb.? mstone, lam, limey, FeOx stain., poss. black chert, arg. tuff
312550	New York	rock chip	fine-gr. carr. mstone, FeOx stain
312551	New York	rock chip	poss. volcaniclastic, vfine-gr. mstone, near fault
312552	New York	rock chip	xtal tuff, mstone, diss. py, FeOx stain
312553	New York	rock chip	arg. tuff, FeOx stain
312554	New York	rock chip	lam. mstone, FeOx stain, fault?
312555	New York	rock chip	lam. mstone, FeOx stain, carb., leach. sulf., near fault
312556	New York	rock chip	lam. mstone, chert?, arg. volcaniclastic, gray, brown, black, sulf. stain, diss. sulf, py, fractures throughout
312557	New York	rock chip	lam. mstone, chert?, arg. volcaniclastic, gray, brown, black, sulf. stain, diss. sulf, py, fractures throughout
312558	New York	rock chip	lam. mstone, chert?, arg. volcaniclastic, gray, brown, black, sulf. stain, diss. sulf, py, fractures throughout
312559	New York	rock chip	lam. arg. tuff,
312560	New York	rock chip	lam. mstone, chert?, arg. volcaniclastic,

			gray, brown, black, sulf. stain, diss. sulf, py, fractures throughout
312561	New York	rock chip	lam. mstone, chert?, arg. volcaniclastic, gray, brown, black, sulf. stain, diss. sulf, py, fractures throughout
312562	New York	rock chip	lam. mstone, chert?, arg. volcanielastic, gray, brown, black, sulf. stain, diss. sulf, py, fractures throughout
312563	New York	rock chip	lam. mstone, chert?, arg. volcaniclastic, gray, brown, black, sulf. stain, diss. sulf, py, fractures throughout
312564	New York	rock chip	lam. mstone, chert?, arg. volcaniclastic, gray, brown, black, sulf. stain, diss. sulf, py, fractures throughout
312565	New York	rock chip	lam. mstone, chert?, arg. volcaniclastic, gray, brown, black, sulf. stain, diss. sulf, py, fractures throughout
312566	New York	rock chip	lam. mstone, chert?, arg. volcaniclastic, gray, brown, black, sulf. stain, diss. sulf, py, fractures throughout
312567	New York	rock chip	lam. mstone, chert?, arg. volcaniclastic, gray, brown, black, sulf. stain, diss. sulf, py, fractures throughout
312568	New York	rock chip	lam. mstone, chert?, arg. volcaniclastic, gray, brown, black, sulf. stain, diss. sulf, py, fractures throughout
312569	New York	rock chip	lam. mstone, chert?, arg. volcaniclastic, gray, brown, black, sulf. stain, diss. sulf, py, fractures throughout
312570	New York	rock chip	lam. mstone, chert?, arg. volcaniclastic, gray, brown, black, sulf. stain, diss. sulf, py, fractures throughout
312571	New York	rock chip	lam. mstone, chert?, arg. volcaniclastic, gray, brown, black, sulf. stain, diss. sulf, py, fractures throughout
311522	New York	rock chips	mass. sil. volcaniclastic, diss. sulf <5%, fine-gr. py,po,cp, FeOx stain
311523	New York	rock chips	mass. sil. volcaniclastic, diss. sulf <5%, fine-gr. py,po,cp, FeOx stain
311524	New York	rock chip	mass. sil. volcaniclastic, black chert? clasts, 3 cm, diss. sulf. ≈10%, py, po
311525	New York	rock chip	mass. sil. volcaniclastic, chert?, semi-mass. sulf. <5%, py, po
311526	New York	rock chip	bedded limestone,E of trench, no sulf.,chert overlain by limestone, mass.

			sulf., 40% py, po
312565	New York	rock chip	fine-gr. py in volcaniclastic, mnr leach. sulf., FeOx stain
312566	New York	rock chip, gauge	po, diss. py, mass. ac
312567	New York	rock chip	chert? diss. py
312572	New York	rock chip	volcaniclastic, vmnr py, FeOx stain
312573	New York	rock chip	mass. ,mag., po, hvy FeOx stain, py, chl, ac
312574	New York	rock chip	mass. ,mag., po, hvy FeOx stain, py, chl, ac
312575	New York	rock chip	volcaniclastic, cc, chl, ep, py, weakly mag.
312576	New York	rock chip	hvy FeOx stain, leach. sulf., semi-mass. py, po, strongly mag.
312577	New York	rock chip	volcaniclastic, non-mag.
312578	New York	rock chip	volcaniclastic, chl?, FeOx on fractures, diss. py
312579	New York	rock chip	volcaniclastic, FeOx stain., mnr py, chl, ac, leach. sulf.
312580	New York	rock chip[	volcaniclastic, weakly mag., diss. py, chl?
312581	New York	rock chip	lam. volcaniclastic, FeOx stain., Fe-Mg-Si stain., sulf wth, mnr py, non-mag.
312582	New York	rock chip	volcaniclastic,FeOx, Fe-Mg-Si stain, sulf wth, massive, silicified
312583	New York	rock chip	volcaniclastic, FeOx leach., mass., sil.., diss. mnr. py, non-mag.
312584	New York	rock chip	volcaniclastic, sil., mstone, diss. sulf.,
312585	New York	rock chip	felsic, sil., tuff,
312586	New York	rock chip	volcaniclastic, diss. sulf., 2mm py cubes, ≈2%
312587	New York	rock chip	volcaniclastic, diss. sulf., 2mm py cubes, ≈2%
312588	New York	rock chip	volcaniclastic, diss. sulf., 2mm py cubes, ≈2%
312589	New York	rock chip	volcaniclastic, diss. sulf.,
312590	New York	rock chip	volcaniclastic, diss. sulf.,
312591	New York	rock chip	lam., black, carb., volcaniclastic, cc str., FeOx stain. on frac., mag., vfine-gr. sulf.
312592	New York	rock chip	lam. mstone, cont. banding, hvy FeOx stain, sulf. on frac., leach. sulf.,diss. py, po, weakly mag.
312593	New York	rock chip	lam. mstone, cont. banding, hvy FeOx stain, sulf. on frac., leach. sulf.,diss. py, po, weakly mag.
312594	New York	rock chip	volcaniclastic, FeOx stain., lam., mnr sulf.

repeats

			on frac.,
312595	New York	rock chip	volcaniclastic, FeOx stain., lam., mnr sulf. on frac.,
312597	New York	rock chip	sil. volcaniclastic, FeOx stain., leach. sulf., semi-mass. sulf., <4%, mnr py, non-mag., chl
312598	New York	rock chip	porph. volcaniclastic, dark gray matrix, 1-2mm phen. (qtz-feld), no sulf., non-mag.
312599	New York	rock chip	fine-gr. volcaniclastic, fine-gr. py, matrix of plag and clouded qtz,
312600	New York	rock chip	black arg. mass.,spher inclus. (1cm) mstone surr. by py
312596	New York	rock chip	volcaniclastic, diss. py, py on frac. FeOx stain., leach. sulf., non-mag.
312601	New York	rock chip	lam. volcaniclastic, spherolites, cc-filled clasts-incl., mnr diss. py, mnr FeOx stain., fine-gr. to vfine-gr., non-mag.
312602	New York	rock chip	hvy FeOx stain., leach. sulf., sil. volcaniclastic, diss. py, py on frac.,vuggy, sil. stringers, non-mag.
312603	New York	rock chip	black, carb. mstone, FeOx stain., sulf. on frac.
312604	New York	rock chip	volcaniclastic, fine-gr., mnr sulf., py
312605	New York	rock chip	carb. mstone, hvy FeOx stain., sulf. on frac., leach. sulf.
312606	New York	rock chip	volcaniclastic, hvy FeOx-sulf. stain., leach. sulf., sulf. on frac., mnr diss. sulf., non-mag.
312607	New York	rock chip	lam. volcaniclastic, hvy FeOx-sulf. stain., vis. py, po, weakly mag.
312608	New York	rock chip	lam. volcaniclastic, hvy FeOx-sulf. stain., con/disc. cc vl., leach. sulf., py on frac., diss. py., non-mag.
312609	New York	select float from outcrop	hvy sulf., py on frac.,non-mag.
312610	New York	rock chip	mass. sil. volcaniclastic, hvy FeOx stain., semi-mass. clust. sulf., py-po, weakly mag. ep?, ac?, chl?
312611	New York	rock chip	mud & ochre in app. nose of fold, leach. sulf., FeOx residue
312621	New York	rock chip	very dark, carb. mstone, or sil. volcaniclastic, semi-mass. sulf. py-po, strongly mag.
312622	New York	rock chip	volcaniclastic and., to very sil. green volcaniclastic, ep?, ac?, chl?, diss. to clust.

			py-po, mod. mag.
312612	New York	rock chip	mass. sil. volcaniclastic, fine-gr., diss. py, higkly frac. (plugger hole)
312613	New York	rock chip	FeOx stain. and leach.. sulf., volcaniclastic, diss. py, py on frac., weakly mag., chl?, ac?, diop? same as 311568????? -
312614	New York	rock chip	hvy, alt. FeOx and wth sulf., py-po?, diss. and on frac., mag., ac, chl?, volcaniclastic
312626	Barite	rock chip	FeOx stain, leach. sulf., diss. sulf., sil. volcaniclastic, light-gray- med-green tuff, non-mag.
312624	New York	r.c. select.	py poss. cpy in volcanics. cc stringer + frag. of black and soft ac? (talus slope oc)
312625	New York	r.c. select.	semi-massive to massive po (talus slope oc)
312627	New York	r.c. select.	gossan, leach. sulf., FeOx staining (talus slope oc)
312628	New York	r.c. select.	Massive dark-green ac and in rosettes. Diss. sulf. py-po (talus slope oc)
312630	New York	r.c. select.	po-cpy minor py, Hvy FeOx on frac., green fibrous ac. (blasted trench)
312631	New York	rock chips	oxidized zone in blasted trench above NY adit. Gossan hvy FeOx staining + light blue crist. of Cu-sulfate min. ?
312629	New York	r.c. select.	Po-cpy-minor py from blasting in upper cut
312636	New York	r.c. select.	Diss py and on frac., cc on frac in very fine-grained volcaniclastics; Variably silicified, brecciated; Minor sulf. leach., 1m from fault zone.
312637	New York	r.c. select.	Po, minor cpy, qtz(chert) associated with cpy (coating?) (Post-po?), actinolite (Green, soft min.) Strongly magnetic.
312623	New York	rock chips	V-fg., sil., volcaniclastics, massive, light-grey, FeOx stain. Sulf. leach., V-fg, disseminated sulfidesn on fractures and in clusters. Non-magnetic. Secondary cc (minor)

SYMBOLS FOR GEOLOGIC MAPS & CROSS-SECTIONS

M.L. DRILLING / ITC
BEAR PASS PROJECT
N.Y. CLAIM GROUP
AUGUST 1996

45 — BEDDING (STRIKE & DIP)

CONTACT

FAULT

COVER (SOIL, VEGETATION, TALUS)

collar, T.D. ~100 m — DRILL HOLE

• 312500; 0.2, 0.2, 0.2, 0.2, 0.2 — SAMPLE LOCATION, NUMBER & ASSAY VALUES (Au, Ag, Cu, Pb, Zn)
(Au: ppb; Ag, Cu, Pb, Zn: ppm)

ROCK UNIT SYMBOLS

UPPER HAZELTON UNIT; ANDESITIC BRECCIAS & TUFFS & GREYWACKES.

"IRON FORMATION"; VOLCANICLASTIC LUTITE

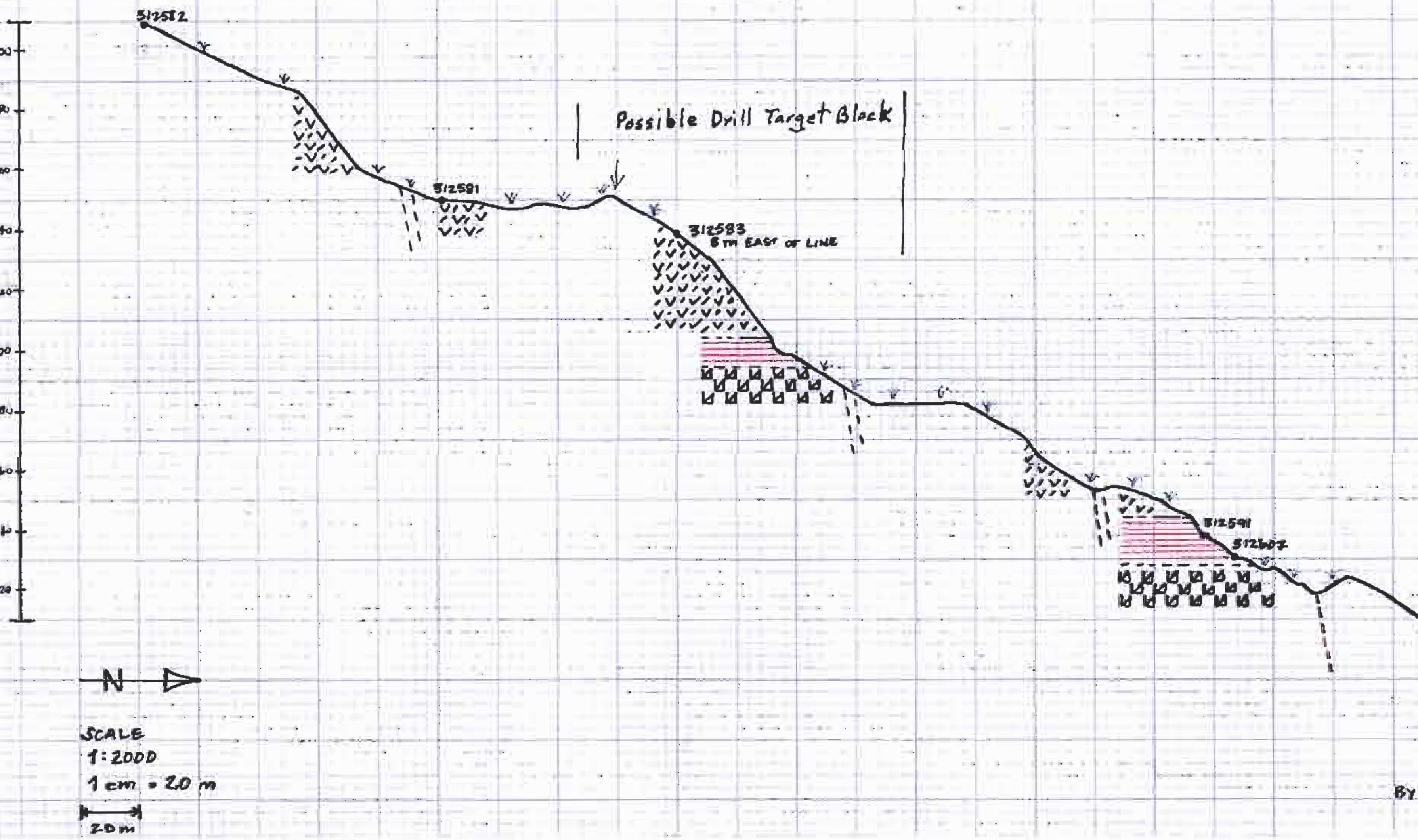
LOWER HAZELTON UNIT; MASSIVE PYROCLASTIC ANDESITES

VOLCANIC BRECCIA

SEMI-MASSIVE SULPHIDES (N.Y. showing @ trenches, upper cut)

GEOPHYSICAL ANOMALY
CROSS-SECTION #1

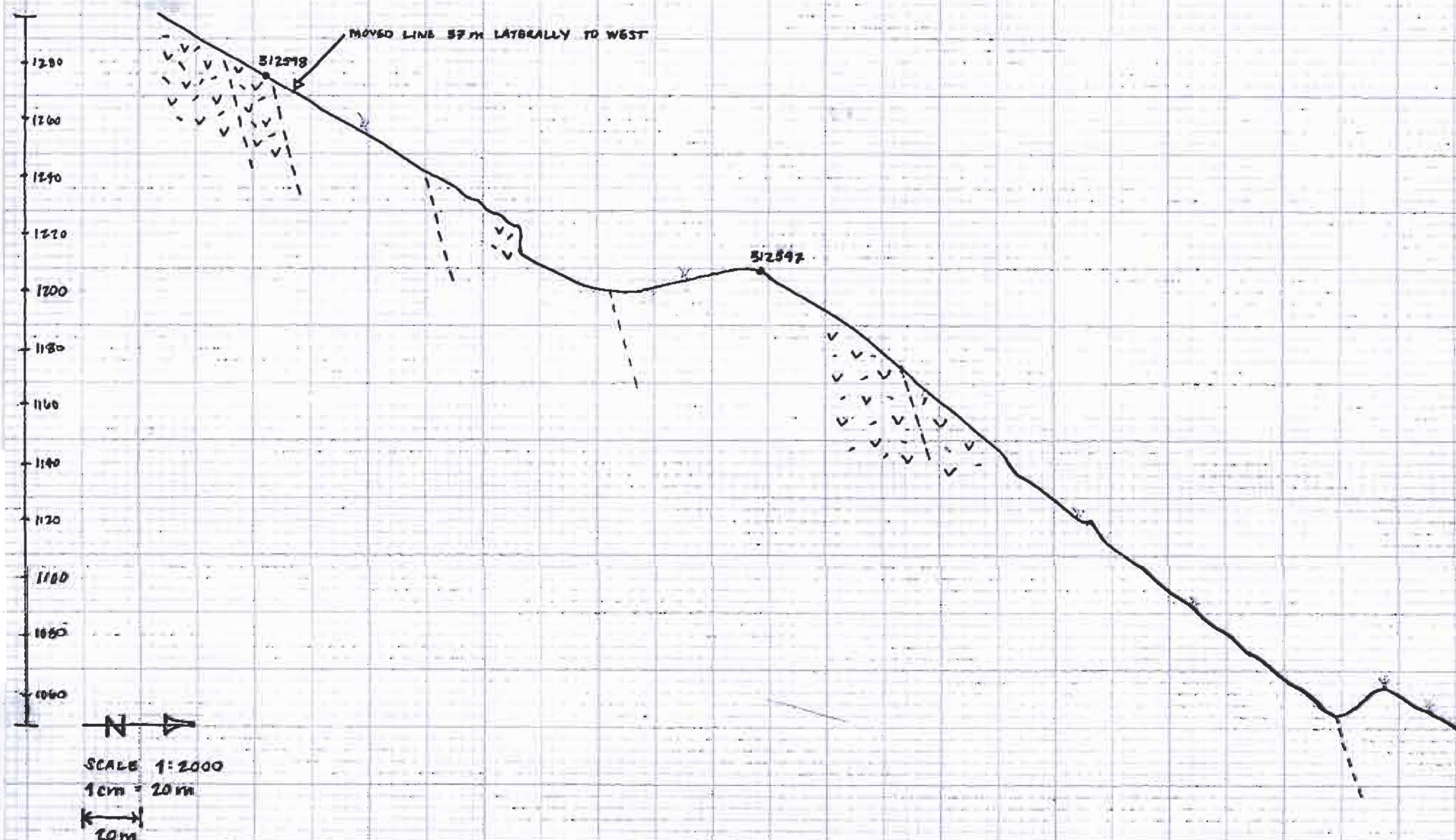
M.L. DRILLING / ITC
BEAR PASS PROJECT
N.Y. CLAIM GROUP
AUGUST 24, 1996



BY M.A., L.A., S.L.

GEOPHYSICAL ANOMALY
CROSS-SECTION #2

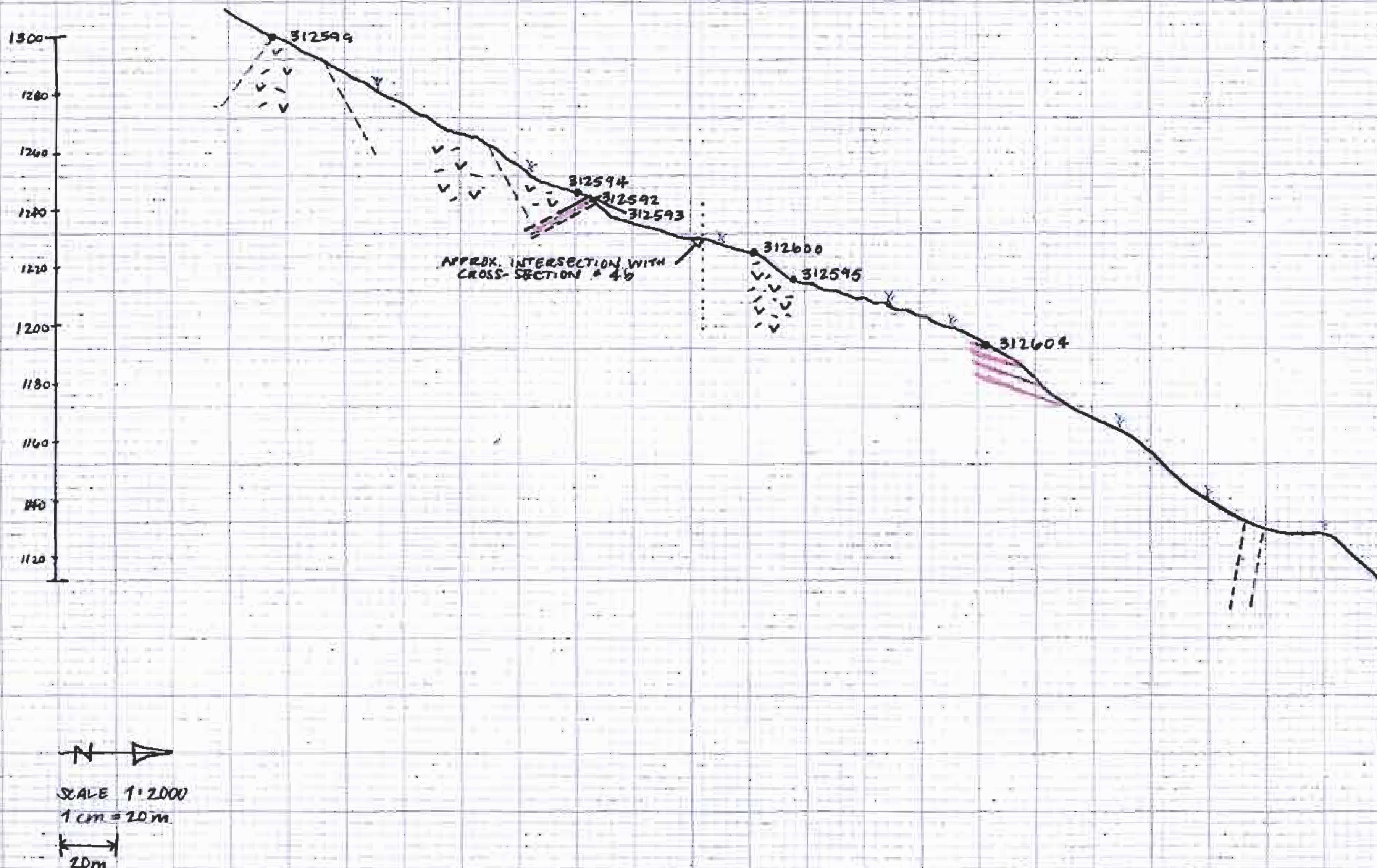
M.L. DRILLING/ITC
BEAR PASS PROJECT
N.Y. CLAIM GROUP
AUGUST 25, 1996



BY M.A., L.A., S.L.

BEAR PASS PROJECT
N.Y. CLAIM GROUP
AUGUST 25, 1996

GEOPHYSICAL ANOMALY
CROSS-SECTION # 3

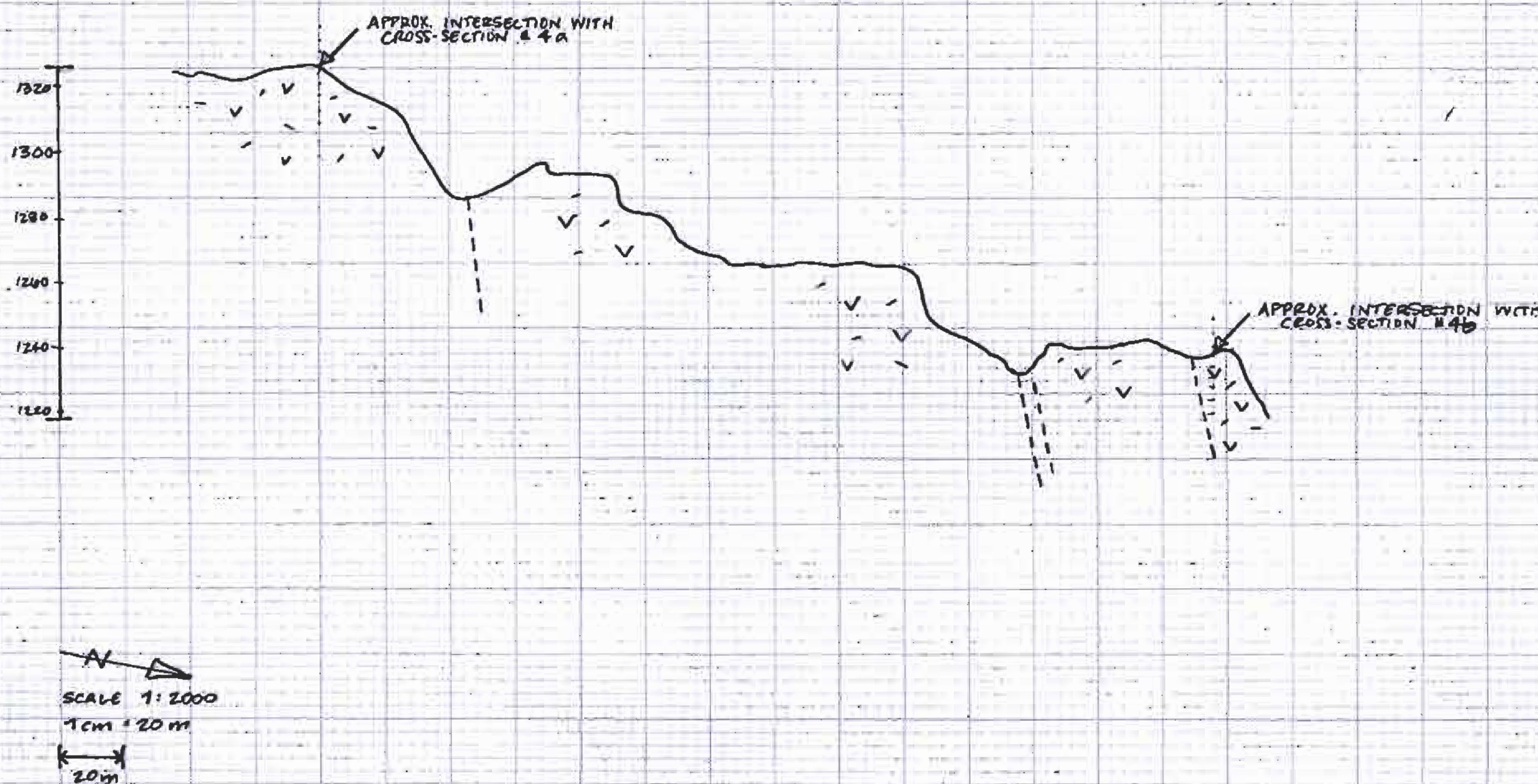


BY M.A., L.A., S.L.

GEOPHYSICAL ANOMALY

CROSS-SECTION #4

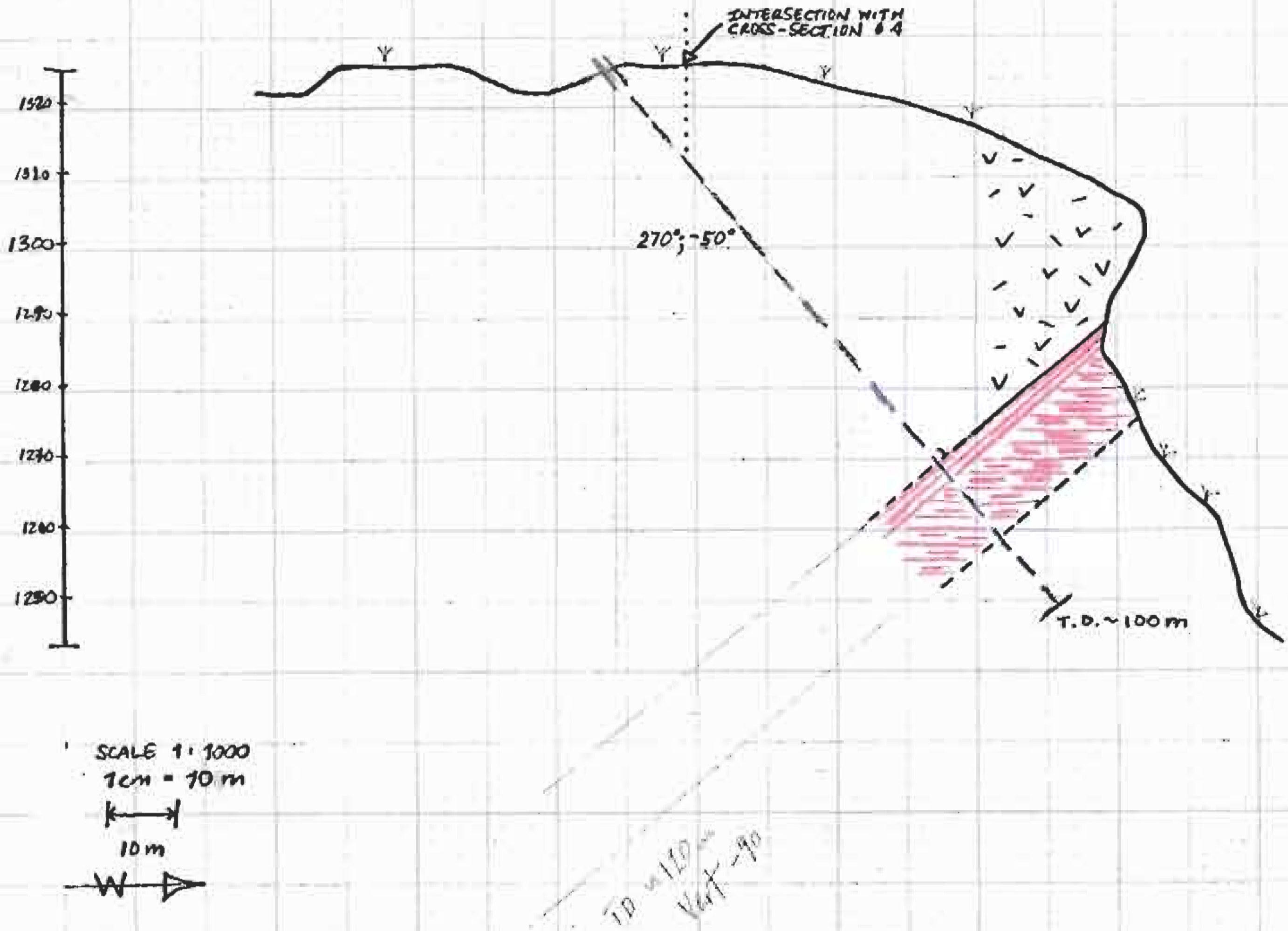
M.L. DRILLING / ITC.
BEAR PASS PROJECT.
N.Y. CLAIM GROUP
AUGUST 27, 1996



BY M.A., L.A., S.L.

M.L. DRILLING/ITC
BEARPASS PROJECT
N.Y. CLAIM GROUP
AUGUST 27, 1996

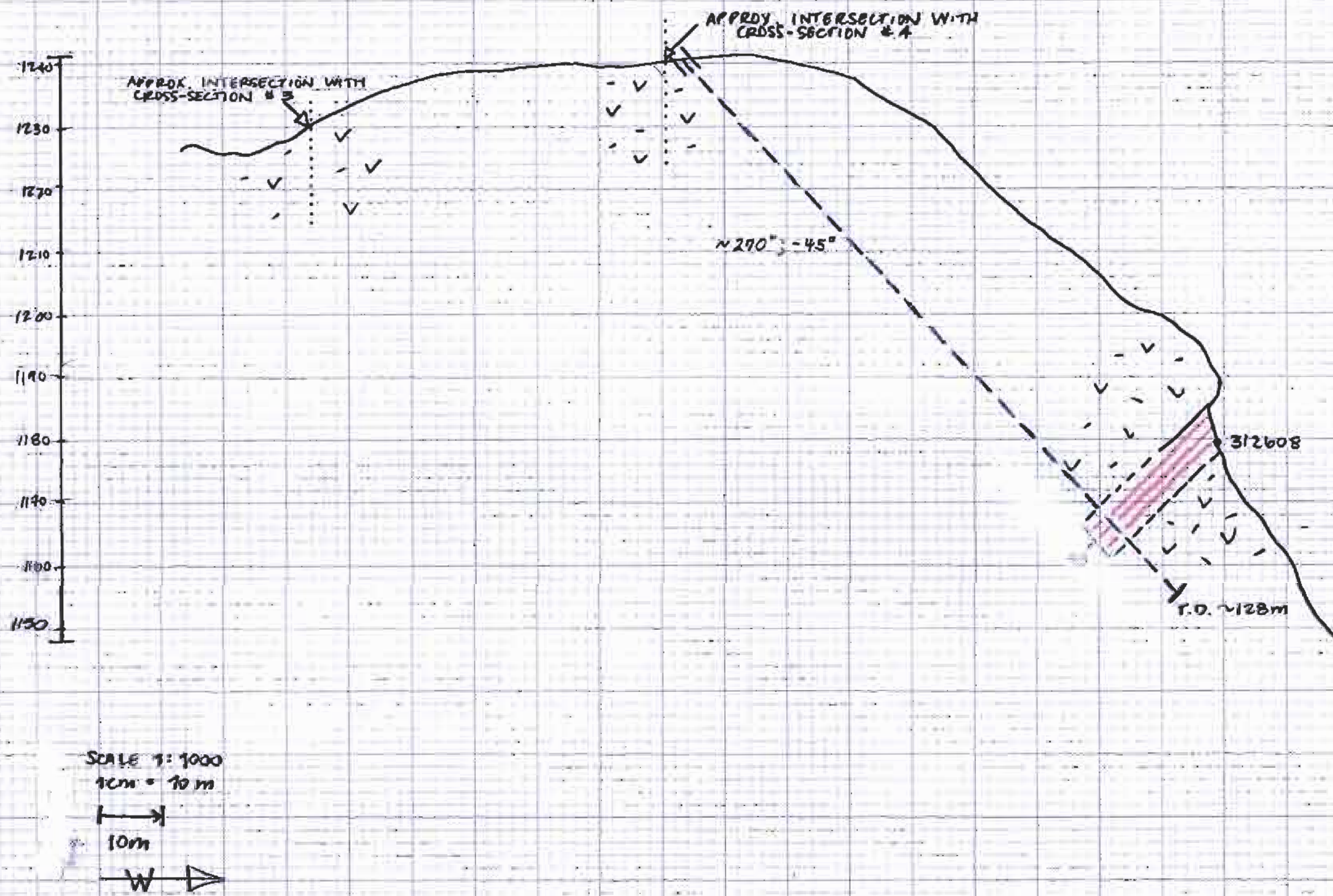
DRILL TARGET #1
CROSS-SECTION #4a



BY M.A., L.A., M.L., S.L.

DRILL TARGET #2
CROSS-SECTION #4b
(APPROXIMATE)
See Revised Sxn 9/11/96

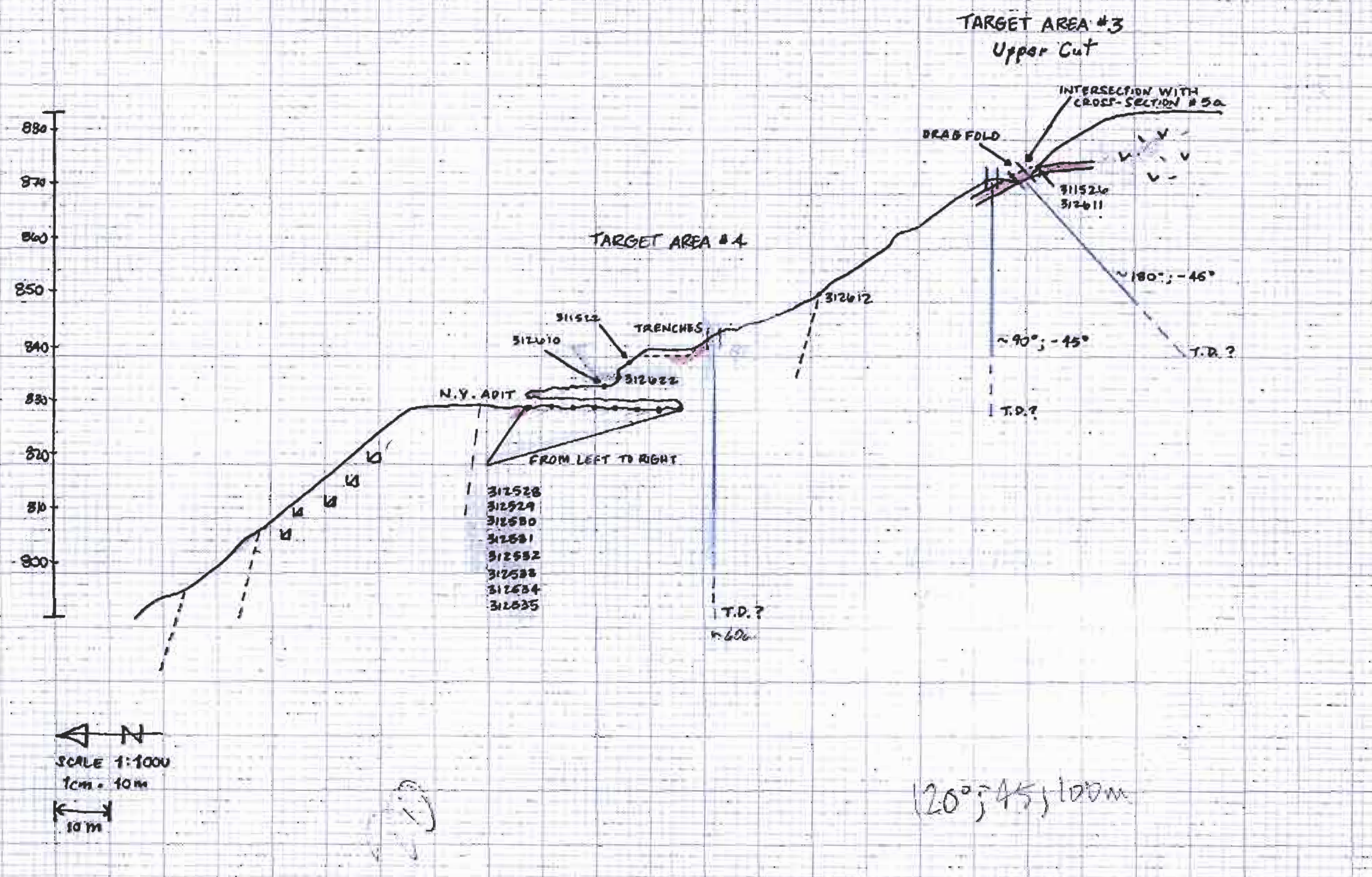
M.L. DRILLING/ITC
BEAR PASS PROJECT
N.Y. CLAIM GROUP
AUGUST 28, 1996



BY M.A., L.A., S.L.

GEOPHYSICAL ANOMALY
CROSS-SECTION # 5
DRILL TARGETS #3 & #4

BEAR PASS PROJECT
N.Y. CLAIM GROUP
AUGUST 31, 1996



BY M.A., L.A., S.L.

APPENDIX III

ASSAY RESULTS

12-Aug-96

ECO-TECH LABORATORIES LTD.
10041 East Trans Canada Highway
KAMLOOPS, B.C.
V2C 6T4

Phone: 604-573-5700
Fax : 604-573-4557

ICP CERTIFICATE OF ANALYSIS AK 96-5124

M.L. Drilling Company
1407 - 700 West Pender Street
Vancouver, B.C.
V6C 1G8

ATTENTION: BILL MOREL

No. of samples received: 23
Sample type: ROCK
PROJECT #: None Given
SHIPMENT #: 1
Samples submitted by: Mat Allen

Values in ppm unless otherwise reported

Et #.	Tag #	Au(ppb)	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
1	311551	5	4.2	2.72	55	95	10	5.08	14	26	37	331	>10	<10	1.20	7430	19	<0.01	<1	280	174	<5	<20	205	0.07	<10	24	<10	<1	1366
2	311552	50	2.0	0.24	115	120	25	4.86	2	71	22	287	>10	<10	0.26	6807	30	<0.01	<1	770	50	<5	<20	110	0.01	<10	16	230	<1	43
3	311553	270	>30	0.83	815	75	10	0.09	<1	38	29	229	>10	<10	1.28	1573	61	<0.01	2	<10	178	<5	<20	14	0.04	<10	14	<10	<1	109
4	311554	180	23.8	0.42	445	90	20	0.10	<1	19	41	66	>10	<10	0.53	645	36	<0.01	2	<10	120	<5	<20	25	0.04	10	20	<10	<1	70
5	311555	205	27.8	0.36	690	75	<5	0.08	<1	51	57	331	>10	<10	0.39	729	114	<0.01	4	30	270	<5	<20	12	0.02	10	12	<10	<1	96
6	311556	135	13.4	0.45	405	80	20	0.22	<1	32	39	117	>10	<10	0.46	805	100	<0.01	2	<10	138	<5	<20	24	0.02	10	14	<10	<1	78
7	311557	100	6.8	0.65	450	65	<5	1.11	<1	47	59	>10000	>10	<10	0.39	946	23	<0.01	13	<10	48	<5	<20	17	0.01	<10	25	<10	<1	52
8	311558	5	<0.2	1.45	<5	240	5	1.63	1	7	41	24	4.19	20	0.23	2364	2	<0.01	5	1960	12	<5	<20	39	0.06	<10	106	<10	9	435
9	311559	5	<0.2	1.65	<5	480	5	3.43	1	8	51	29	4.69	20	0.31	4309	2	<0.01	4	1730	6	<5	<20	78	0.09	<10	148	<10	10	329
10	311560	5	<0.2	2.00	30	145	<5	1.52	5	13	63	6	5.38	<10	0.32	1070	17	0.20	45	1860	6	60	<20	227	0.02	<10	47	<10	3	164
11	311652	70	7.6	1.34	420	190	<5	0.75	<1	15	58	313	>10	<10	1.38	943	44	<0.01	<1	490	66	<5	<20	180	0.07	<10	15	<10	<1	58
12	311653	155	>30	2.09	430	70	10	0.14	<1	53	18	119	>10	<10	3.14	2463	31	<0.01	2	160	160	<5	<20	19	0.05	<10	17	<10	<1	142
13	311654	150	18.0	0.64	520	70	<5	0.26	<1	60	56	422	>10	<10	1.04	1523	39	<0.01	4	<10	120	<5	<20	25	0.01	<10	8	<10	<1	92
14	311655	5	6.6	1.77	135	70	<5	0.92	<1	21	81	363	>10	<10	1.15	1315	12	<0.01	<1	750	84	<5	<20	216	0.11	<10	46	<10	<1	148
15	311656	30	2.4	0.33	245	45	<5	0.03	<1	6	115	7	3.53	<10	<0.01	22	13	<0.01	2	980	48	<5	<20	9	<0.01	<10	9	<10	<1	9
16	311657	5	<0.2	1.24	<5	425	10	0.46	<1	7	65	10	5.53	10	0.25	1118	4	<0.01	4	1640	20	<5	<20	44	0.05	<10	114	<10	6	171
17	311501	5	1.6	4.41	115	60	<5	1.32	15	95	42	317	>10	<10	4.19	3832	23	0.02	5	610	10	<5	<20	34	0.10	<10	85	<10	<1	1664
18	311502	440	>30	0.14	270	90	20	0.06	<1	21	129	107	>10	<10	0.02	681	31	<0.01	5	<10	106	<5	<20	24	0.02	10	15	<10	<1	33
19	311503	315	>30	0.30	305	105	30	0.07	<1	23	83	105	>10	<10	0.29	692	37	<0.01	1	<10	78	<5	<20	23	0.03	10	15	<10	<1	30
20	311504	25	7.2	2.32	115	60	15	1.07	<1	29	73	77	>10	<10	2.66	1996	25	<0.01	3	620	44	<5	<20	283	0.09	<10	19	<10	<1	111

Et #.	Tag #	Au(ppb)	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
21	311505	20	12.2	2.32	275	40	10	1.09	<1	42	64	135	>10	<10	2.48	1872	21	<0.01	4	790	112	<5	<20	241	0.10	<10	19	<10	<1	285
22	311506	10	5.4	1.44	295	65	<5	0.31	<1	30	62	217	>10	<10	2.44	1338	32	<0.01	3	400	64	<5	<20	71	0.04	<10	10	<10	<1	50
23	311507	30	7.8	1.08	100	55	<5	0.32	<1	37	37	174	>10	<10	1.52	1342	23	<0.01	5	300	42	<5	<20	55	0.03	<10	24	<10	<1	99
QC/DATA																														
Resplit:																														
R/S 1	311551	5	4.2	2.85	60	100	<5	5.34	14	25	30	330	>10	<10	1.26	7752	21	<0.01	2	290	184	<5	<20	213	0.07	<10	24	<10	<1	1465
Repeat:																														
1	311551	5	4.0	2.72	55	100	5	5.12	13	26	37	327	>10	<10	1.18	7451	21	<0.01	1	290	178	<5	<20	205	0.07	<10	25	<10	<1	1376
10	311560	5	<0.2	2.07	30	140	10	1.56	<1	13	65	6	5.38	<10	0.34	1067	15	0.22	40	1850	6	50	<20	233	0.06	<10	49	<10	3	162
Standard:																														
GEO'96		150	1.2	1.99	65	170	<5	2.00	<1	21	70	85	4.04	<10	1.06	765	<1	0.02	20	750	20	<5	<20	60	0.15	<10	89	<10	5	72

df/5122r
XLS/96KMISC.96

ECO-TECH LABORATORIES LTD.
Frank J. Pezzotti, A.Sc.T.
B.C. Certified Assayer

15-Aug-96

ECO-TECH LABORATORIES LTD.
10041 East Trans Canada Highway
KAMLOOPS, B.C.
V2C 6T4

Phone: 604-573-5700
Fax : 604-573-4557

ICP CERTIFICATE OF ANALYSIS AS 96-5141

M.L. Drilling Company
1407 - 700 West Pender Street
Vancouver, B.C.
V6C 1G8

ATTENTION: BILL MOREL

No. of samples received: 7
Sample type: ROCK
PROJECT: # ML DRILLING C/O TOURNIGAN CORP
SHIPMENT: # NONE GIVEN
Samples submitted by: MAT ALLEN

Values in ppm unless otherwise reported

Et #.	Tag #	Au(ppb)	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
1	311508	5	1.0	2.77	5	60	10	0.38	<1	44	44	8	>10	<10	2.31	596	11	0.05	4	1670	28	<5	20	8	0.02	<10	88	<10	<1	71
2	311509	75	6.8	0.19	30	35	15	0.02	10	65	113	60	>10	<10	<0.01	29	20	<0.01	5	<10	170	<5	20	2	<0.01	20	5	<10	<1	246
3	311510	5	1.8	0.59	10	35	15	0.37	<1	25	54	7	6.80	<10	0.42	152	7	0.07	3	1310	34	<5	20	9	0.01	<10	24	<10	<1	41
4	311511	35	4.4	0.98	195	50	20	0.06	<1	63	58	19	>10	<10	0.89	240	22	0.02	5	60	72	<5	20	4	<0.01	30	33	<10	<1	18
5	311512	5	3.6	2.81	5	55	20	1.73	1	52	59	18	>10	<10	2.61	1100	27	0.05	11	1830	12	<5	20	37	<0.01	<10	82	<10	<1	45
6	311601	5	1.6	1.11	<5	50	<5	0.04	1	74	102	509	>10	<10	0.69	147	88	<0.01	3	60	6	<5	20	<1	<0.01	40	41	<10	<1	16
7	311658	5	1.8	0.07	275	120	<5	0.11	<1	46	27	639	>10	<10	<0.01	278	33	<0.01	2	<10	<2	<5	20	3	<0.01	80	4	<10	<1	10
QC/DATA:																														
Resplit:																														
1	311508	5	1.0	2.74	10	50	10	0.37	1	44	38	7	>10	<10	2.29	589	11	0.05	3	1650	28	<5	20	6	0.02	<10	86	<10	<1	71
Repeat:																														
1	311508	-	1.0	2.70	15	55	15	0.37	<1	43	43	8	>10	<10	2.26	581	11	0.05	3	1630	26	<5	20	6	0.02	<10	85	<10	<1	70
4	311511	30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6	311601	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Standard:																														
GEO'96		135	1.2	2.02	65	170	<5	2.02	<1	21	70	87	4.01	<10	1.07	774	<1	0.02	22	820	20	<5	<20	60	0.14	<10	88	<10	4	70

df/5140br
XLS/96Kmisc#6

per ECO-TECH LABORATORIES LTD.
Frank J. Pezzotti, A.Sc.T.
B.C. Certified Assayer

INT'L TOURNIGAN CORP.

ICP CERTIFICATE OF ANALYSIS AS 96-5187

ECO-TECH LABORATORIES LTD.

Et #.	Tag #	Au(ppb)	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
26	311523	180	<0.2	1.49	<5	75	<5	0.62	2	66	28	1536	>10	<10	1.24	818	18	0.02	<1	430	<2	<5	<20	33	0.08	10	34	<10	<1	23
27	311524	395	<0.2	0.46	<5	110	<5	0.98	3	95	3	1752	>10	<10	0.21	584	26	<0.01	<1	40	<2	<5	<20	20	0.04	50	18	<10	<1	19
28	311525	5	0.4	2.51	55	75	<5	1.01	2	66	33	754	>10	<10	1.88	1809	14	0.08	3	910	12	<5	<20	36	0.12	<10	91	<10	<1	205
29	311526	105	0.4	1.54	35	45	<5	5.18	2	19	56	322	9.58	<10	1.05	2642	12	0.08	<1	540	8	<5	<20	95	0.01	<10	48	<10	<1	211

QC DATA:

Et #.	Tag #	Au(ppb)	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
Resplit:																														
R/S 1	312552	5	<0.2	1.61	25	115	<5	0.46	<1	7	56	11	4.18	<10	0.70	662	9	0.03	6	720	6	<5	<20	10	0.02	<10	55	<10	1	22
Repeat:																														
1	312552	5	<0.2	1.65	30	115	<5	0.49	<1	8	52	11	4.26	<10	0.72	686	9	0.03	6	730	6	<5	<20	11	0.02	<10	56	<10	1	22
10	312568	5	<0.2	1.70	25	85	5	0.82	<1	14	55	41	4.80	<10	0.66	851	6	0.01	11	680	4	<5	<20	14	0.02	<10	37	<10	3	34
19	312550	5	0.4	0.94	105	205	<5	0.97	2	12	15	27	4.17	<10	0.23	1268	9	0.01	10	670	18	<5	<20	21	<0.01	<10	16	<10	3	249
Standard:																														
GEO'96		150	0.8	1.80	65	150	<5	1.81	<1	18	64	77	4.16	<10	0.97	707	<1	0.02	25	710	18	<5	<20	59	0.13	<10	80	<10	4	67

df/5187
XLS/96kmisc#6

per ECO-TECH LABORATORIES LTD.
Frank J. Pezzotti, A.Sc.T.
B.C. Certified Assayer

29-Aug-96

ECO-TECH LABORATORIES LTD.
10041 East Trans Canada Highway
KAMLOOPS, B.C.
V2C 6T4

Phone: 604-573-5700
Fax : 604-573-4557

ICP CERTIFICATE OF ANALYSIS AS 96-5170

M.L. DRILLING CO.
1407-700 WEST PENDER STREET
VANCOUVER, BC
V6C 1G8

ATTENTION: JOHN DELEEN

No. of samples received: 55
Sample type: Rock
PROJECT #: C/O International Toumigan Corp
SHIPMENT #: 3
Samples submitted by: M. Allen/M.L. Drilling

Values in ppm unless otherwise reported

Et #.	Tag #	Au(ppb)	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
1	311513	5	0.2	1.39	310	80	10	2.00	<1	12	44	30	8.59	<10	0.60	1550	32	0.02	5	1360	28	<5	<20	38	<0.01	<10	84	<10	<1	313
2	311514	5	0.4	0.88	240	50	10	9.78	2	11	39	18	4.72	<10	0.48	3899	15	0.02	5	840	18	<5	<20	178	0.01	<10	59	<10	3	669
3	311515	5	0.2	0.80	155	45	5	6.03	<1	13	51	19	4.19	<10	0.39	2729	15	0.02	4	960	14	<5	<20	101	<0.01	<10	56	<10	4	248
4	311516	5	0.4	0.99	330	80	5	1.01	3	11	46	22	6.50	<10	0.47	1260	30	0.03	4	1140	52	<5	<20	25	<0.01	<10	68	<10	<1	1063
5	311517	>1000	5.0	1.20	>10000	120	<5	0.03	<1	20	64	446	7.09	<10	0.48	205	10	0.05	2	360	68	<5	<20	6	<0.01	<10	60	<10	<1	25
6	311518	10	1.0	2.64	370	125	5	0.09	<1	8	29	118	>10	<10	1.13	445	11	0.02	3	660	10	<5	<20	7	<0.01	<10	166	<10	<1	132
7	311519	170	1.8	2.74	535	120	<5	0.21	<1	20	18	250	>10	<10	1.12	577	13	0.03	3	840	16	<5	<20	9	<0.01	<10	195	<10	<1	67
8	311520	45	5.8	1.73	1665	95	<5	0.09	<1	9	33	338	8.36	<10	0.57	394	8	0.06	3	520	56	<5	<20	13	<0.01	<10	57	<10	<1	726
9	311521	60	1.8	2.47	1410	65	<5	0.12	<1	11	25	194	>10	<10	0.90	414	11	0.07	3	860	46	<5	<20	8	<0.01	<10	147	<10	<1	499
10	311566	5	0.4	2.99	25	60	<5	0.32	<1	14	24	87	8.93	<10	1.95	1001	8	0.06	6	1280	48	<5	<20	12	<0.01	<10	204	<10	<1	171
11	311567	5	1.0	1.56	125	140	<5	0.08	<1	14	26	59	5.58	<10	0.69	650	15	0.01	12	1000	22	<5	<20	7	<0.01	<10	43	<10	<1	45
12	312501	5	0.2	1.25	25	210	<5	0.28	<1	9	24	23	4.49	<10	0.40	566	7	0.02	8	700	10	<5	<20	13	<0.01	<10	43	<10	<1	43
13	312502	5	0.2	0.97	25	255	<5	0.19	<1	10	21	24	4.05	<10	0.25	1611	5	0.01	13	610	6	<5	<20	10	<0.01	<10	18	<10	3	56
14	312503	5	0.2	1.33	120	225	<5	0.28	<1	11	21	29	5.16	<10	0.35	1140	12	0.01	8	990	26	<5	<20	17	<0.01	<10	24	<10	2	167
15	312504	5	<0.2	0.39	5	130	<5	0.79	<1	7	32	4	2.84	<10	0.28	728	8	0.02	3	540	2	<5	<20	33	<0.01	<10	7	<10	2	15
16	312505	5	0.4	0.28	35	90	<5	0.36	1	8	52	15	3.59	<10	<0.01	1795	5	<0.01	9	470	14	<5	<20	18	<0.01	<10	8	<10	3	89
17	312506	5	<0.2	0.32	15	190	<5	1.15	<1	7	8	5	2.46	<10	0.11	721	6	0.01	2	560	6	<5	<20	30	<0.01	<10	4	<10	3	90
18	312507	15	<0.2	0.85	10	150	<5	0.86	<1	6	15	12	1.82	10	0.23	599	2	0.01	4	730	4	<5	<20	27	<0.01	<10	11	<10	3	97
19	312508	5	0.4	0.63	55	250	<5	0.12	<1	11	8	23	4.32	<10	0.08	1742	10	<0.01	7	520	24	<5	<20	12	<0.01	<10	10	<10	2	246
20	312509	5	<0.2	0.56	140	90	10	0.13	<1	12	24	35	6.20	<10	0.09	1010	16	0.01	7	1020	10	<5	<20	6	<0.01	<10	19	<10	<1	26
21	312510	5	0.4	0.48	110	120	<5	0.09	<1	13	20	35	6.04	<10	0.03	713	14	<0.01	7	880	24	<5	<20	6	<0.01	<10	15	<10	<1	144
22	312511	5	0.2	0.44	170	130	<5	0.12	<1	13	28	37	6.48	<10	0.01	758	21	0.02	7	810	14	<5	<20	8	<0.01	<10	15	<10	<1	22
23	312512	5	2.4	0.44	80	115	<5	0.14	<1	13	12	32	5.19	<10	<0.01	922	14	0.01	9	980	34	<5	<20	12	<0.01	<10	13	<10	<1	160
24	312513	5	0.4	0.55	75	110	<5	0.35	<1	14	30	37	7.30	<10	0.05	942	23	0.02	7	1110	12	<5	<20	13	<0.01	<10	18	<10	<1	305
25	312514	5	0.4	0.74	105	70	<5	1.33	<1	14	41	29	6.78	<10	0.24	1353	22	0.02	4	820	38	<5	<20	19	<0.01	<10	44	<10	<1	42

M.L. DRILLING CO. ICP CERTIFICATE OF ANALYSIS AS 96-5170 ECO-TECH LABORATORIES LTD.

Et #.	Tag #	Au(ppb)	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
26	312515	5	0.2	0.49	70	160	<5	0.23	<1	15	17	29	5.05	<10	<0.01	1163	11	<0.01	10	740	14	<5	<20	17	<0.01	<10	14	<10	<1	137
27	312516	25	0.6	0.39	80	120	<5	0.22	<1	15	13	46	5.07	<10	<0.01	1925	11	<0.01	11	890	18	<5	<20	10	<0.01	<10	12	<10	4	226
28	312517	5	<0.2	0.93	35	120	<5	0.30	<1	5	13	15	3.50	<10	0.22	448	8	0.01	5	840	14	<5	<20	12	<0.01	<10	13	<10	<1	85
29	312518	5	0.2	1.21	130	165	<5	0.09	<1	14	23	35	5.34	<10	0.30	952	10	0.01	8	870	12	<5	<20	9	<0.01	<10	29	<10	<1	63
30	312519	5	<0.2	1.09	50	90	<5	0.10	<1	6	27	22	3.82	<10	0.38	367	8	0.02	5	780	12	<5	<20	8	<0.01	<10	36	<10	<1	30
31	312520	5	<0.2	1.45	5	185	<5	0.83	<1	6	30	6	3.54	<10	0.48	859	6	0.02	3	1000	6	<5	<20	22	<0.01	<10	25	<10	2	42
32	312521	5	<0.2	1.07	10	175	<5	1.80	<1	6	19	10	2.28	<10	0.35	1009	5	0.01	3	550	12	<5	<20	45	<0.01	<10	11	<10	3	41
33	312522	10	<0.2	1.15	10	180	<5	0.58	<1	10	31	26	3.66	<10	0.41	769	6	0.02	5	800	6	<5	<20	30	<0.01	<10	23	<10	2	75
34	312523	5	0.4	1.37	175	205	5	0.24	<1	11	26	38	6.20	<10	0.40	1483	16	0.01	7	1080	32	<5	<20	11	<0.01	<10	31	<10	<1	272
35	312524	5	0.8	1.39	195	130	<5	0.14	<1	10	39	28	5.93	<10	0.43	2222	17	0.01	7	1210	76	<5	<20	10	<0.01	<10	32	<10	1	227
36	312525	10	>30	0.44	280	115	<5	0.15	113	15	41	1142	8.03	<10	<0.01	5782	26	<0.01	7	1110	>10000	855	<20	16	0.01	<10	9	<10	1	6165
37	312526	5	1.6	1.28	15	360	<5	1.80	<1	4	34	15	2.54	<10	0.63	1883	3	0.03	2	650	58	<5	<20	56	0.04	<10	13	<10	3	70
38	312527	5	0.8	0.79	65	95	<5	0.75	<1	6	34	11	2.66	<10	0.32	661	16	0.03	2	920	34	<5	<20	20	<0.01	<10	19	<10	3	70
39	312528	20	1.8	1.87	185	50	<5	0.35	<1	40	48	619	>10	<10	1.15	875	12	0.03	3	880	16	<5	<20	19	0.06	<10	43	<10	<1	50
40	312529	5	0.8	2.33	75	40	<5	>10	38	62	13	273	>10	<10	2.33	2862	9	<0.01	1	500	8	<5	<20	111	0.04	<10	45	<10	<1	4165
41	312530	5	0.6	3.55	25	70	5	1.97	<1	22	23	73	7.82	<10	3.07	1373	3	0.07	3	1490	16	<5	<20	38	0.08	<10	192	<10	<1	54
42	312531	5	<0.2	3.75	<5	50	<5	1.96	2	31	33	54	8.51	<10	3.79	2193	3	0.03	10	1550	30	<5	<20	33	0.15	<10	268	<10	2	267
43	312532	5	<0.2	3.66	10	60	15	1.05	5	25	32	33	8.18	<10	3.57	2042	3	0.06	12	1560	20	<5	<20	30	0.12	<10	233	<10	2	455
44	312533	10	<0.2	3.99	20	75	5	1.36	2	30	32	101	9.18	<10	3.81	2233	4	0.06	14	1520	40	<5	<20	28	0.11	<10	282	<10	3	222
45	312534	5	0.8	3.99	45	65	<5	1.83	2	24	27	202	9.47	<10	3.62	2082	5	0.06	10	1480	22	<5	<20	33	0.08	<10	273	<10	2	348
46	312535	5	<0.2	3.80	85	90	<5	2.13	<1	26	43	34	8.13	<10	3.31	2226	4	0.07	12	1510	24	<5	<20	38	0.08	<10	295	<10	4	286
47	312537	5	0.6	0.54	130	45	<5	0.58	<1	18	14	135	9.43	<10	0.57	1109	10	<0.01	<1	370	4	<5	<20	12	0.01	<10	9	<10	<1	273
48	312538	5	<0.2	2.92	15	30	10	1.69	<1	8	17	7	5.74	<10	3.48	2136	11	<0.01	<1	1200	6	10	<20	184	0.12	<10	58	<10	<1	24
49	312539	10	1.2	0.29	<5	40	<5	0.69	<1	12	16	473	7.43	<10	0.24	1254	6	<0.01	<1	260	<2	<5	<20	8	<0.01	<10	2	<10	<1	10
50	312540	55	5.2	0.30	<5	50	<5	0.71	<1	35	7	2565	>10	<10	0.20	1258	12	<0.01	<1	310	<2	<5	<20	9	0.01	<10	6	<10	<1	18
51	312541	5	<0.2	2.17	40	70	<5	0.39	<1	9	44	63	5.31	<10	1.61	908	4	0.03	1	1220	10	<5	<20	14	0.04	<10	72	<10	1	44
52	312542	5	<0.2	2.43	<5	90	<5	0.45	<1	7	33	48	5.54	<10	1.75	1181	3	0.06	1	1250	10	<5	<20	16	0.07	<10	91	<10	<1	36
53	312543	5	0.4	1.37	100	90	<5	1.93	<1	18	9	34	3.02	<10	0.77	1369	<1	0.03	2	1840	22	<5	<20	36	0.10	<10	42	<10	5	43
54	312544	10	<0.2	2.92	<5	60	10	1.28	<1	16	7	79	>10	<10	2.09	2160	6	0.03	<1	1300	6	<5	<20	97	0.15	<10	75	<10	<1	50
55	312545	10	0.6	2.53	30	90	<5	1.08	3	12	23	42	5.58	<10	1.84	3728	<1	0.08	1	2040	422	<5	<20	45	0.13	<10	125	<10	3	615

Et #.	Tag #	Au(ppb)	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
QC DATA:																														
Resplit:																														
R/S 1	311513	5	0.2	1.40	320	85	10	2.01	<1	14	54	35	>10	<10	0.67	1623	36	0.02	6	1390	26	<5	<20	38	<0.01	<10	92	<10	<1	345
R/S 36	312525	15	>30	0.48	270	115	<5	0.15	126	15	47	1223	8.20	<10	<0.01	5745	26	<0.01	7	1170	>10000	910	160	15	0.01	<10	11	<10	<1	6367
Repeat:																														
1	311513	5	<0.2	1.39	295	80	<5	2.03	<1	12	44	30	8.70	<10	0.60	1565	33	0.02	5	1410	22	<5	<20	38	<0.01	<10	85	<10	<1	316
10	311566	5	0.4	3.01	25	55	5	0.32	<1	14	24	92	8.99	<10	1.96	1001	8	0.07	4	1290	50	<5	<20	12	<0.01	<10	204	<10	<1	175
19	312508	5	0.6	0.62	50	245	<5	0.12	<1	11	8	24	4.40	<10	0.08	1782	10	<0.01	8	530	24	<5	<20	11	<0.01	<10	10	<10	2	255
36	312525	15	>30	0.46	290	115	<5	0.15	116	16	44	1158	8.32	<10	<0.01	5976	26	<0.01	6	1210	>10000	895	<20	15	0.01	<10	10	<10	1	6452
45	312534	-	0.6	4.09	50	75	<5	1.86	2	25	28	207	9.64	<10	3.66	2120	5	0.08	11	1490	22	<5	<20	35	0.08	<10	278	<10	2	357
54	312544	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Standard:																														
GEO'96		145	1.0	1.75	70	155	<5	1.74	<1	20	64	77	3.95	<10	0.94	686	<1	0.01	25	720	16	<5	<20	58	0.10	<10	74	<10	3	72
GEO'96		150	1.6	1.69	60	150	<5	1.76	<1	18	59	79	4.00	<10	0.93	697	<1	0.01	20	740	20	5	40	57	0.10	<10	75	<10	3	69

df/5170r
XLS/96KMISC7

ECO-TECH LABORATORIES LTD.
Frank J. Pezzotti, A.Sc.T.
B.C. Certified Assayer

Eco·Tech LABORATORIES LTD.

ASSAYING
GEOCHEMISTRY
ANALYTICAL CHEMISTRY
ENVIRONMENTAL TESTING

10041 E. Trans Canada Hwy., R.R. #2, Kamloops, B.C. V2C 6T4 Phone (604) 573-5700
Fax (604) 573-4557

CERTIFICATE OF ASSAY AK 96-5170

M.L. DRILLING CO.
1407-700 WEST PENDER STREET
VANCOUVER, BC
V6C 1G8

22-Aug-96

Post-it™ Fax Note 7671E	Date Aug 23 # of pages ▸ 4
To Hold for pickup	From
Co./Dept.	Co. JOB 5170
Phone #	Phone # *AU still to
Fax #	Fax # Come

ATTENTION: JOHN DELEEN

No. of samples received: 55
Sample type: Rock
PROJECT #: C/O International Tournigan Corp.
SHIPMENT #: 3
Samples submitted by: M. Allen/M.L. Drilling

ET #.	Tag #	Ag (g/t)	Ag (oz/t)	As (%)	Pb (%)
5	311517	-	-	1.11	-
36	312525	636.8	18.57	-	2.05

QC/DATA:
Resplit:

R/S 36	312525	686.0	20.01	-	1.60

ECO-TECH LABORATORIES LTD.
per Frank J. Pezzotti, A.Sc.T.
B.C. Certified Assayer

XLS/96kmisc6

26-Aug-96

ECO-TECH LABORATORIES LTD.
10041 East Trans Canada Highway
KAMLOOPS, B.C.
V2C 6T4

Phone: 604-573-5700
Fax : 604-573-4557

ICP CERTIFICATE OF ANALYSIS AS 96-5187

INT'L TOURNIGAN CORP.
1407-700 WEST PENDER
VANCOUVER, BC
V6C 1G8

ATTENTION: JOHN DELEEN

No. of samples received: 29
Sample type: ROCK
PROJECT #: ML DRILLING CO.
SHIPMENT #: NONE GIVEN
Samples submitted by: MAT ALLEN

Values in ppm unless otherwise reported

Et #.	Tag #	Au(ppb)	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
1	312552	5	<0.2	1.69	35	115	<5	0.48	<1	8	51	12	4.31	<10	0.73	694	9	0.03	7	760	6	<5	<20	10	0.02	<10	57	<10	2	21
2	312656	5	<0.2	1.94	30	125	<5	0.22	<1	10	43	21	5.62	<10	0.87	711	9	0.02	8	750	4	<5	<20	6	<0.01	<10	58	<10	<1	30
3	312557	5	<0.2	1.62	40	75	<5	0.94	<1	10	56	18	5.36	<10	0.69	697	7	0.02	10	750	4	<5	<20	15	<0.01	<10	45	<10	2	20
4	312558	5	<0.2	1.93	30	175	<5	0.22	<1	9	37	20	5.21	<10	0.88	553	8	0.02	7	770	<2	<5	<20	6	<0.01	<10	49	<10	1	32
5	312560	5	<0.2	1.63	30	105	<5	0.20	<1	7	49	44	4.61	<10	0.68	427	8	0.02	8	800	4	<5	<20	6	<0.01	<10	43	<10	<1	56
6	312561	5	<0.2	1.50	55	70	5	0.56	<1	11	54	29	5.21	<10	0.60	537	8	0.02	8	620	4	<5	<20	11	<0.01	<10	38	<10	2	49
7	312562	5	<0.2	1.88	45	85	<5	0.40	<1	11	38	30	5.39	<10	0.71	655	8	0.01	8	650	4	<5	<20	7	0.01	<10	38	<10	1	66
8	312563	5	4.2	0.37	860	80	5	5.37	5	8	96	19	5.64	<10	0.06	6737	41	0.01	6	680	542	60	<20	146	0.01	<10	16	<10	<1	2018
9	312564	5	<0.2	0.86	15	90	<5	1.15	<1	4	22	7	1.78	10	0.26	872	5	0.02	3	380	<2	<5	<20	19	<0.01	<10	6	<10	4	438
10	312568	5	<0.2	1.75	20	85	<5	0.85	<1	14	58	42	4.91	<10	0.68	873	6	0.02	12	690	6	<5	<20	15	0.02	<10	38	<10	3	35
11	312569	5	<0.2	2.02	5	80	<5	0.80	<1	12	40	25	4.77	<10	0.84	931	6	0.02	9	810	<2	<5	<20	12	0.02	<10	42	<10	3	36
12	312570	5	<0.2	1.79	20	75	5	0.53	<1	12	50	25	5.20	<10	0.77	882	6	0.02	11	740	4	<5	<20	10	0.05	<10	48	<10	3	138
13	312571	5	<0.2	1.98	35	75	<5	1.18	<1	12	38	21	5.18	<10	0.81	1118	6	0.02	11	660	<2	<5	<20	17	0.02	<10	44	<10	3	86
14	312536	5	0.6	0.83	55	135	<5	5.93	2	8	27	6	3.35	<10	0.13	3125	8	0.03	3	710	24	<5	<20	90	0.01	<10	14	<10	6	209
15	312546	5	3.0	0.67	75	155	<5	0.89	27	11	24	30	6.96	<10	0.06	2842	10	0.01	8	830	148	<5	<20	23	<0.01	<10	13	<10	4	1177
16	312547	5	0.4	1.57	40	260	<5	4.02	<1	5	19	8	3.85	<10	0.51	1365	6	0.02	2	560	64	<5	<20	53	<0.01	<10	14	<10	2	93
17	312548	5	<0.2	1.00	5	350	<5	3.60	<1	2	14	1	1.94	10	0.25	882	2	<0.01	<1	560	<2	<5	<20	71	<0.01	<10	6	<10	3	48
18	312549	5	0.8	1.64	65	180	<5	0.19	<1	9	32	27	4.83	<10	0.53	1314	11	0.01	10	820	66	<5	<20	8	<0.01	<10	22	<10	3	190
19	312550	5	0.6	0.93	100	205	<5	0.99	2	11	19	25	4.16	<10	0.24	1281	8	0.01	10	680	20	<5	<20	22	<0.01	<10	16	<10	3	255
20	312551	5	<0.2	0.97	20	230	<5	3.08	3	7	19	6	2.69	<10	0.34	1238	6	0.02	2	570	4	<5	<20	44	<0.01	<10	11	<10	3	140
21	312553	5	0.8	1.24	35	285	<5	0.75	9	5	28	16	2.65	<10	0.51	1294	4	0.02	4	680	20	<5	<20	14	<0.01	<10	12	<10	4	563
22	312554	5	<0.2	1.43	130	140	<5	0.71	2	10	20	21	3.85	<10	0.52	947	8	0.02	5	990	12	<5	<20	14	<0.01	<10	23	<10	3	267
23	312555	5	1.6	0.65	125	110	<5	0.16	<1	10	54	14	4.88	<10	0.06	877	11	0.01	6	940	74	<5	<20	6	<0.01	<10	16	<10	<1	240
24	312559	5	<0.2	1.38	65	290	<5	1.44	<1	7	26	22	5.10	<10	0.39	755	11	0.01	4	960	20	<5	<20	33	<0.01	<10	23	<10	<1	94
25	311522	5	0.6	1.41	<5	95	<5	1.97	2	81	18	2415	>10	<10	0.95	1213	29	0.05	3	550	6	<5	<20	56	0.11	<10	73	<10	<1	67

13-Sep-96

ECO-TECH LABORATORIES LTD.
10041 East Trans Canada Highway
KAMLOOPS, B.C.
V2C 6T4

Phone: 604-573-5700
Fax : 604-573-4557

ICP CERTIFICATE OF ANALYSIS AS 96-5210

INTERNATIONAL TOURNIGAN CORPORATION
1407 - 700 West Pender Street
VANCOUVER, BC
V6C 1G8

ATTENTION: JOHN DELEEN

No. of samples received: 12
Sample type: Rock
PROJECT #: None Given
SHIPMENT # None Given
Samples submitted by: ML Drilling / ITC

Values in ppm unless otherwise reported

Et #.	Tag #	Au(ppb)	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
1	312565	5	<0.2	2.07	10	55	5	0.68	<1	16	35	21	5.11	<10	1.98	1029	<1	0.05	6	1340	14	<5	<20	27	0.19	<10	141	<10	6	89
2	312566	5	0.4	0.34	20	20	<5	5.90	<1	32	6	57	6.96	<10	0.45	1635	9	<0.01	<1	510	2	<5	<20	37	0.02	<10	6	<10	<1	25
3	312567	5	<0.2	1.47	10	25	5	8.83	<1	19	8	28	5.09	<10	1.09	1428	1	0.03	3	1030	8	<5	<20	101	0.13	<10	87	<10	4	21
4	312572	5	<0.2	2.35	15	40	5	0.43	<1	8	20	63	5.54	<10	2.17	1198	4	0.04	1	1360	16	<5	<20	12	0.07	<10	82	<10	1	65
5	312573	5	1.0	0.21	<5	40	<5	0.75	<1	21	10	605	8.68	<10	0.16	1189	9	<0.01	<1	210	<2	<5	<20	10	<0.01	<10	2	<10	<1	9
6	312574	5	1.0	0.13	<5	45	<5	0.45	<1	69	5	647	>10	<10	<0.01	494	22	<0.01	1	140	<2	<5	<20	8	<0.01	10	5	<10	<1	11
7	312575	5	0.2	1.90	5	20	<5	2.71	<1	9	30	81	5.27	<10	1.63	1747	11	0.01	2	1290	8	<5	<20	103	0.14	<10	58	<10	1	23
8	312576	5	1.8	1.43	55	40	15	0.55	<1	52	26	150	>10	<10	1.01	655	21	<0.01	2	590	14	<5	<20	21	0.08	10	62	<10	<1	25
9	312577	5	<0.2	2.03	20	20	10	1.20	<1	10	22	<1	5.58	<10	1.85	1118	7	0.05	<1	1620	12	<5	<20	19	0.01	<10	84	<10	3	31
10	312578	5	0.2	1.33	5	65	<5	0.19	<1	5	36	13	3.99	<10	1.09	479	4	0.03	1	930	12	<5	<20	10	<0.01	<10	33	<10	<1	15
11	312579	5	1.0	2.84	60	50	<5	0.44	<1	21	11	42	7.06	<10	2.60	3166	6	0.04	<1	1450	170	<5	<20	10	0.05	<10	94	<10	<1	280
12	312580	5	0.8	2.42	<5	25	<5	0.40	<1	12	35	555	7.14	<10	1.69	1025	4	0.05	1	1480	18	<5	<20	13	0.09	<10	131	<10	<1	100

INTERNATIONAL TOURNIGAN CORPORATION

ICP CERTIFICATE OF ANALYSIS AS 96-5210

ECO-TECH LABORATORIES LTD.

Et #.	Tag #	Au(ppb)	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
QC DATA:																														
Resplit:																														
R/S 1	312565	5	<0.2	2.08	5	55	10	0.71	<1	15	36	19	5.04	<10	1.93	990	<1	0.06	6	1340	16	<5	<20	31	0.21	<10	142	<10	5	78
Repeat:																														
1	312565	5	<0.2	1.99	<5	55	10	0.65	<1	15	34	20	4.87	<10	1.88	984	<1	0.05	6	1300	14	<5	<20	27	0.19	<10	134	<10	5	86
10	312578	-	0.2	1.36	<5	60	<5	0.19	<1	5	36	14	4.04	<10	1.12	493	4	0.04	<1	960	10	<5	<20	8	<0.01	<10	34	<10	<1	15
Standard:																														
GEO'96		145	1.0	1.80	65	160	<5	1.80	<1	19	63	78	4.14	<10	0.94	682	<1	0.02	23	820	24	<5	<20	59	0.12	<10	74	<10	3	67

ECO-TECH LABORATORIES LTD.
per Frank J. Pezzotti, A.Sc.T.
B.C. Certified Assayer

df/5227
XLS/96kmisc#8

13-Sep-96

ECO-TECH LABORATORIES LTD.
10041 East Trans Canada Highway
KAMLOOPS, B.C.
V2C 6T4

Phone: 604-573-5700
Fax : 604-573-4557

ICP CERTIFICATE OF ANALYSIS AS 96-5241

International Tournigan Corp.
1407 - 700 West Pender Street
Vancouver, B.C.
V6C 1G8

ATTENTION: JOHN DELEEN

No. of samples received: 26
Sample type: ROCK
PROJECT: # ML DRILLING
SHIPMENT: # NONE GIVEN
Samples submitted by: MAT ALLEN

Values in ppm unless otherwise reported

Et #.	Tag #	Au(ppb)	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
1	312581	15	0.4	1.00	<5	600	<5	1.93	1	8	35	72	2.91	10	0.40	2052	7	<0.01	3	610	8	<5	<20	51	<0.01	<10	11	<10	3	98
2	312582	10	<0.2	2.33	110	290	<5	0.63	<1	14	22	15	5.60	<10	1.62	972	6	0.02	4	370	<2	<5	<20	10	<0.01	<10	89	<10	<1	28
3	312583	10	<0.2	0.68	<5	285	<5	0.07	<1	3	54	8	1.78	<10	0.44	245	4	0.02	2	220	8	<5	<20	7	<0.01	<10	27	<10	<1	18
4	312584	5	<0.2	0.87	<5	80	10	0.07	<1	4	56	13	3.14	<10	0.60	317	8	0.02	2	330	10	<5	<20	5	<0.01	<10	27	<10	<1	12
5	312585	10	<0.2	0.45	15	95	<5	0.02	<1	3	46	29	3.60	<10	0.14	147	9	0.02	2	320	4	<5	<20	3	<0.01	<10	26	<10	<1	16
6	312586	10	<0.2	0.99	15	95	<5	0.43	<1	5	52	10	2.91	<10	0.64	436	5	0.02	3	460	<2	<5	<20	12	<0.01	<10	28	<10	<1	14
7	312587	5	<0.2	1.00	<5	75	<5	0.40	<1	5	60	5	2.57	<10	0.78	468	5	0.02	1	460	<2	<5	<20	14	<0.01	<10	31	<10	<1	29
8	312588	15	<0.2	0.57	10	40	<5	0.04	<1	4	37	22	3.16	<10	0.28	179	9	0.02	2	240	8	<5	<20	2	<0.01	<10	20	<10	<1	19
9	312589	15	2.0	0.50	<5	85	<5	0.11	<1	5	49	16	2.98	<10	0.33	324	8	0.01	2	430	8	<5	<20	6	<0.01	<10	15	<10	<1	26
10	312590	5	<0.2	0.53	<5	60	<5	0.18	<1	5	61	16	2.54	<10	0.38	401	5	0.02	5	220	6	<5	<20	7	<0.01	<10	14	<10	<1	52
11	312591	25	1.0	1.17	35	140	<5	1.31	12	9	26	41	2.66	<10	0.46	887	4	<0.01	7	420	308	<5	<20	24	<0.01	<10	19	<10	<1	1393
12	312592	10	0.8	0.88	25	50	<5	0.12	<1	11	29	184	9.89	<10	0.40	243	20	0.03	2	610	10	<5	<20	4	<0.01	<10	71	<10	<1	18
13	312593	10	0.4	0.63	<5	45	<5	0.05	<1	5	37	54	5.22	<10	0.25	140	12	0.02	<1	410	<2	<5	<20	3	<0.01	<10	52	<10	<1	9
14	312594	5	<0.2	0.98	<5	40	<5	0.16	<1	12	56	75	4.24	<10	0.57	309	4	0.05	3	450	<2	<5	<20	5	0.03	<10	54	<10	<1	17
15	312595	20	0.2	1.52	50	80	<5	0.51	1	10	39	55	5.52	<10	0.94	1102	8	0.02	3	360	6	<5	<20	10	<0.01	<10	41	<10	<1	157
16	312597	25	<0.2	0.30	45	50	15	0.13	<1	8	50	9	3.43	<10	0.03	146	4	0.02	2	740	4	<5	<20	3	<0.01	<10	12	<10	<1	5
17	312598	25	1.2	0.69	35	80	<5	0.84	<1	4	52	6	2.48	<10	0.39	745	7	0.02	3	290	200	<5	<20	15	<0.01	<10	16	<10	<1	146
18	312599	20	<0.2	1.34	<5	215	<5	1.06	<1	8	29	35	3.33	<10	0.76	954	4	0.03	2	740	2	<5	<20	13	<0.01	<10	68	<10	2	25
19	312600	15	<0.2	0.92	<5	45	<5	0.42	<1	5	60	21	2.79	<10	0.58	440	5	0.04	8	600	<2	<5	<20	11	<0.01	<10	79	<10	<1	10
20	312596	55	3.4	2.24	1110	65	<5	0.45	<1	19	26	231	8.15	<10	1.74	1183	8	0.02	9	1020	54	<5	<20	6	0.01	<10	176	<10	<1	104
21	312601	50	<0.2	1.29	<5	40	<5	4.12	<1	8	24	11	2.90	<10	0.69	1007	3	0.02	3	550	<2	<5	<20	57	<0.01	<10	57	<10	<1	13
22	312602	260	0.8	0.25	150	110	10	0.06	<1	3	47	30	4.09	<10	0.05	69	6	0.03	3	350	14	<5	<20	9	<0.01	<10	7	<10	<1	9
23	312603	15	0.2	1.09	70	35	<5	1.11	<1	10	18	29	3.54	<10	0.55	723	6	<0.01	6	370	14	<5	<20	27	0.02	<10	25	<10	<1	48
24	312604	10	<0.2	1.20	<5	95	<5	0.21	<1	4	45	4	2.94	<10	1.06	575	2	0.04	2	500	2	<5	<20	6	0.06	<10	54	<10	1	11
25	312605	15	0.2	0.82	150	45	5	4.26	<1	15	29	26	4.21	<10	0.34	1565	11	0.02	14	590	38	<5	<20	61	0.10	<10	21	<10	<1	151
26	312606	10	0.6	2.25	<5	60	20	1.03	4	32	30	97	>10	<10	1.24	1449	17	0.03	5	890	96	<5	<20	8	<0.01	<10	118	<10	<1	384

Et #.	Tag #	Au(ppb)	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
QC/DATA:																														
Resplit:																														
R/S 1	312581	10	0.2	1.10	10	620	<5	2.03	2	10	40	82	3.09	10	0.47	2103	9	<0.01	5	620	10	<5	<20	58	0.01	<10	14	<10	5	104
Repeat:																														
1	312581	20	0.2	1.07	5	620	<5	1.91	1	8	35	74	2.91	10	0.41	2055	7	<0.01	5	620	8	<5	<20	59	<0.01	<10	11	<10	4	96
10	312590	10	<0.2	0.55	5	60	5	0.18	<1	5	64	18	2.56	<10	0.40	426	5	0.02	4	230	6	<5	<20	8	<0.01	<10	15	<10	<1	52
19	312600	15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Standard:																														
GEO'96		150	1.6	1.68	60	155	<5	2.05	<1	21	70	72	4.04	<10	0.96	720	1	0.01	24	790	18	5	<20	53	0.10	<10	85	<10	5	78

ECO-TECH LABORATORIES LTD.
Frank J. Pezzotti, A.Sc.T.
B.C. Certified Assayer

df/5241
XLS/96/KMISC#8

16-Sep-96

ECO-TECH LABORATORIES LTD.
10041 East Trans Canada Highway
KAMLOOPS, B.C.
V2C 6T4

Phone: 604-573-5700
Fax : 604-573-4557

ICP CERTIFICATE OF ANALYSIS AS 96-5274

INTERNATIONAL TOURNIGAN CORP.
1407-700 WEST PENDER STREET
VANCOUVER, BC
V6G 1G8

ATTENTION: JOHN DELEEN

No. of samples received: 9
Sample type: Rock
PROJECT #: NONE GIVEN
SHIPMENT #: NONE GIVEN
Samples submitted by: M.L. DRILLING

Values in ppm unless otherwise reported

Et #.	Tag #	Au(ppb)	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
1	312607	<5	2.6	1.37	335	55	<5	1.80	4	25	50	136	7.34	<10	0.91	1732	10	0.02	7	610	108	<5	<20	17	<0.01	<10	38	<10	<1	590
2	312608	<5	4.2	0.99	705	55	<5	9.94	31	19	76	216	>10	<10	0.36	8883	35	0.01	6	400	756	25	<20	356	0.02	<10	22	<10	<1	4076
3	312609	<5	1.4	4.48	215	55	<5	0.32	<1	51	59	383	>10	<10	3.97	1324	8	0.06	12	1170	58	<5	<20	12	0.06	<10	305	<10	<1	43
4	312610	<5	3.6	0.31	<5	115	<5	0.34	2	89	16	1531	>10	<10	0.17	721	29	<0.01	2	190	<2	<5	<20	9	0.01	70	13	<10	<1	19
5	312611	145	10.4	1.16	5980	370	<5	0.68	<1	79	14	1134	>10	<10	0.70	>10000	103	<0.01	2	880	64	<5	<20	53	0.03	<10	48	<10	<1	1869
6	312612	5	<0.2	2.30	15	55	<5	0.71	1	18	42	101	6.45	<10	1.99	1087	5	0.08	5	1440	46	<5	<20	20	0.10	<10	221	<10	<1	164
7	312613	5	2.4	0.26	55	125	<5	0.46	2	279	6	993	>10	<10	0.16	1189	29	<0.01	<1	<10	<2	<5	<20	12	<0.01	50	6	<10	<1	17
8	312621	10	2.8	0.61	35	140	<5	0.07	4	77	11	890	>10	<10	0.24	266	34	<0.01	1	270	<2	<5	<20	<1	0.04	130	35	<10	<1	23
9	312622	15	1.0	0.37	<5	60	<5	0.80	1	60	13	578	>10	<10	0.35	1105	13	<0.01	<1	230	<2	<5	<20	9	<0.01	<10	5	<10	<1	14

QC DATA:

Et #.	Tag #	Au(ppb)	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
Resplit:																														
R/S 1	312607	<5	2.6	1.52	350	65	<5	1.84	4	27	58	146	7.64	<10	0.90	1800	7	0.03	8	640	116	<5	<20	22	<0.01	<10	40	<10	<1	616
Repeat:																														
1	312607	<5	2.2	1.43	345	65	<5	1.87	4	27	51	140	7.58	<10	0.93	1787	10	0.02	9	670	120	<5	<20	23	<0.01	<10	38	<10	<1	633
Standard:																														
GEO'96		150	1.6	2.03	70	185	<5	1.90	<1	20	66	91	4.35	<10	1.10	766	<1	0.02	24	780	24	<5	<20	72	0.12	<10	85	<10	4	71

ECO-TECH LABORATORIES LTD.
Frank J. Pezzotti, A.Sc.T
B.C. Certified Assayer

df/5274A
XLS/96KMISC#8

25-Sep-96

ECO-TECH LABORATORIES LTD.
10041 East Trans Canada Highway
KAMLOOPS, B.C.
V2C 6T4

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ICP CERTIFICATE OF ANALYSIS AK 96-5306

INTERNATIONAL TOURNIGAN CORP.
1407 - 700 West Pender Street
Vancouver, B.C.
V6C 1G8

ATTENTION: JOHN DELEEN

No. of samples received: 6
Sample type: ROCK CHIP
PROJECT #: NOT GIVEN
SHIPMENT #: NOT GIVEN
Samples submitted by: NOT GIVEN

Values in ppm unless otherwise reported

Et #.	Tag #	Au(ppb)	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
1	311561	95	27.8	2.72	105	60	<5	2.38	<1	69	72	2726	>10	<10	1.17	1320	18	0.02	3	530	82	<5	<20	71	0.01	<10	47	<10	<1	75
2	311562	80	17.6	2.54	190	65	<5	0.56	3	207	86	8876	>10	<10	0.87	822	18	0.03	3	320	96	<5	<20	28	0.01	10	50	<10	<1	362
3	311563	15	4.4	1.64	130	40	<5	2.19	1	144	81	1017	>10	<10	0.75	1091	11	<0.01	3	690	24	<5	<20	49	<0.01	<10	33	<10	<1	168
4	311564	10	9.4	2.16	70	50	<5	2.70	<1	69	56	3916	>10	<10	0.95	1404	16	0.03	4	1320	12	<5	<20	60	<0.01	<10	78	<10	<1	90
5	311565	5	1.0	2.20	15	540	<5	3.03	<1	27	56	497	7.24	10	1.22	1087	6	0.02	5	1110	<2	<5	<20	72	<0.01	<10	65	<10	<1	56
6	312614	5	1.6	0.47	270	100	35	2.27	<1	91	17	285	>10	<10	0.74	1343	19	<0.01	2	1550	54	<5	<20	19	<0.01	<10	17	<10	<1	26
QC DATA:																														
Resplit:																														
1	311561	105	29.8	2.76	115	65	<5	2.37	<1	76	68	2644	>10	<10	1.21	1395	23	0.02	5	560	90	<5	<20	68	<0.01	<10	47	<10	<1	87
Repeat:																														
1	311561	-	>30	2.79	110	60	<5	2.51	<1	77	72	2862	>10	<10	1.21	1421	20	0.02	3	580	90	<5	<20	64	<0.01	<10	47	<10	<1	84
Standard:																														
GEO'96		145	4.8	1.85	80	185	<5	1.95	<1	24	74	82	4.10	<10	1.04	730	1	0.02	24	720	22	<5	<20	70	0.14	<10	84	<10	5	72

ECO-TECH LABORATORIES LTD.
Frank J. Pezzotti, A.Sc.T.
B.C. Certified Assayer

df/1088a
XLS/96Kmisc#8
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16-Oct-96

ECO-TECH LABORATORIES LTD.
10041 East Trans Canada Highway
KAMLOOPS, B.C.
V2C 6T4

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ICP CERTIFICATE OF ANALYSIS AS 96-5415

International Tournigan Corp.
1407 - 700 West Pender Street
Vancouver, B.C.
V6C 1G8

ATTENTION: JOHN DELEEN

No. of samples received: 34
Sample type: ROCK/CORE
PROJECT #: NONE GIVEN
SHIPMENT #: NONE GIVEN
Samples submitted by: MAT ALLEN

Values in ppm unless otherwise reported

Et #.	Tag #	Au(ppb)	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
1	312636	5	<0.2	1.55	95	35	10	2.70	<1	19	25	35	5.20	<10	1.31	1068	2	0.04	2	1110	8	<5	<20	52	0.11	<10	159	<10	2	4
2	312637	205	0.6	0.09	<5	70	<5	1.24	1	79	12	2236	>10	<10	0.02	658	19	<0.01	<1	<10	<2	<5	<20	18	<0.01	<10	4	<10	<1	5
3	312638	5	0.6	0.19	25	10	<5	>10	<1	2	6	6	2.29	<10	0.36	3697	3	<0.01	<1	280	<2	5	<20	371	<0.01	<10	5	<10	<1	21
4	312639	10	0.6	2.90	240	35	<5	1.14	1	18	17	99	7.74	<10	2.37	1644	9	0.04	2	1260	44	<5	<20	18	0.09	<10	128	<10	<1	461
5	312640	35	3.6	2.97	190	35	<5	0.90	75	47	11	626	9.44	<10	3.35	1775	2	0.02	9	1290	200	<5	<20	43	0.11	<10	73	<10	<1	7449
6	312641	10	0.4	2.89	395	30	<5	0.54	<1	13	26	136	7.24	<10	2.84	1458	6	0.05	2	1310	24	<5	<20	14	0.02	<10	211	<10	<1	178
7	312642	80	2.0	1.13	2930	35	<5	6.82	<1	26	19	369	6.97	<10	1.21	1488	12	0.01	2	880	66	<5	<20	113	<0.01	<10	56	<10	<1	162
8	312643	10	<0.2	2.95	35	70	15	1.12	<1	19	19	28	6.29	<10	2.52	1745	1	0.03	4	1570	24	<5	<20	20	0.17	<10	174	<10	2	98
9	312644	10	<0.2	2.35	30	90	5	4.78	<1	12	13	8	5.06	<10	2.16	1786	2	0.02	2	1160	20	<5	<20	43	0.10	<10	125	<10	7	85
10	312645	5	<0.2	2.17	20	35	5	2.08	<1	12	18	39	5.14	<10	2.05	1158	8	0.05	2	1050	20	<5	<20	20	0.10	<10	68	<10	3	61
11	312646	5	0.4	2.07	100	65	<5	3.36	<1	15	23	72	5.08	<10	1.86	1141	14	0.04	2	960	16	<5	<20	37	0.08	<10	58	<10	4	36
12	312647	10	0.4	2.55	80	115	<5	2.19	<1	12	12	46	5.37	<10	2.04	1211	4	0.04	<1	1090	54	<5	<20	26	0.07	<10	55	<10	2	191
13	312648	5	<0.2	1.97	15	95	10	1.25	<1	8	27	20	4.11	<10	1.56	1010	2	0.02	<1	920	18	<5	<20	22	0.07	<10	43	<10	4	44
14	312649	10	1.2	1.39	45	30	<5	7.86	<1	13	16	48	4.35	<10	1.77	1638	7	0.01	2	930	26	<5	<20	137	<0.01	<10	72	<10	2	28
15	312650	5	1.4	0.68	35	35	5	6.73	<1	13	15	34	3.44	<10	1.00	1435	7	0.01	1	1310	70	<5	<20	143	<0.01	<10	34	<10	6	124
16	312651	5	3.8	0.69	40	65	10	4.57	3	12	15	8	4.07	<10	0.24	989	12	0.02	1	1200	100	<5	<20	99	<0.01	<10	10	<10	4	216
17	312652	10	2.6	0.81	45	60	<5	2.54	<1	17	19	46	3.85	<10	0.81	738	3	0.02	<1	1500	48	<5	<20	75	<0.01	<10	17	<10	2	99
18	312653	5	1.2	2.37	200	65	<5	1.44	6	13	20	76	6.74	<10	1.89	1340	11	0.04	3	1150	82	<5	<20	27	0.01	<10	81	<10	<1	1008
19	312654	5	0.4	1.27	35	75	<5	6.68	<1	6	24	11	2.91	10	1.08	1287	24	0.02	1	870	58	5	<20	88	<0.01	<10	43	<10	10	52
20	312655	5	0.2	3.12	20	50	10	2.37	<1	17	28	40	6.93	<10	2.96	3077	2	0.05	9	1340	74	<5	<20	37	0.15	<10	240	<10	5	274

Et #.	Tag #	Au(ppb)	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
21	312656	10	2.0	1.94	115	40	<5	7.51	3	20	11	100	5.92	<10	1.74	1515	6	0.04	<1	1500	36	<5	<20	50	0.04	<10	75	<10	1	469
22	312657	5	<0.2	0.02	<5	<5	<5	0.08	<1	<1	<1	1	0.07	<10	0.02	18	<1	<0.01	<1	20	<2	<5	<20	3	<0.01	<10	1	10	<1	<1
23	312658	5	2.6	1.47	55	30	<5	2.95	<1	59	36	736	7.49	<10	1.26	942	6	0.05	1	560	20	<5	<20	27	0.03	<10	31	<10	<1	22
24	312659	10	2.2	1.81	15	40	<5	0.50	<1	32	44	522	7.23	<10	1.53	818	7	0.06	<1	600	16	<5	<20	41	0.03	<10	29	<10	<1	104
25	312660	5	18.8	0.72	20	30	<5	1.34	30	11	43	116	4.18	<10	0.99	617	5	0.03	<1	890	440	30	<20	69	<0.01	<10	16	<10	1	1426
26	312661	5	6.6	1.05	30	70	<5	4.14	8	11	18	39	5.24	<10	0.99	1502	19	0.02	1	1430	1816	<5	<20	57	<0.01	<10	45	<10	2	482
27	312662	140	2.6	0.08	<5	85	<5	1.72	4	114	16	2611	>10	<10	<0.01	614	28	<0.01	<1	<10	48	<5	<20	29	<0.01	<10	4	<10	<1	102
28	312663	5	0.2	2.39	20	45	<5	4.36	1	24	17	285	>10	<10	1.56	2448	8	0.03	2	1110	20	<5	<20	39	0.11	<10	118	<10	<1	141
29	312664	5	<0.2	1.82	30	20	<5	3.82	3	21	32	71	6.32	<10	1.34	1857	2	0.05	<1	1620	22	<5	<20	37	0.13	<10	105	<10	2	531
30	312665	5	5.4	2.14	55	30	<5	2.39	20	21	15	141	8.36	<10	1.67	1824	2	0.06	1	1180	4376	<5	<20	23	0.13	<10	110	<10	<1	2275
31	312666	10	0.8	1.89	40	25	<5	7.90	<1	36	36	139	9.00	<10	1.69	2139	11	0.01	<1	620	22	<5	<20	140	0.02	<10	38	<10	<1	64
32	312667	10	0.2	3.51	25	35	10	3.40	3	12	6	15	9.91	<10	2.44	3392	7	<0.01	<1	1000	62	<5	<20	79	0.10	<10	38	<10	<1	316
33	312668	5	1.6	0.87	85	65	<5	1.88	1	94	15	412	>10	<10	0.63	1557	15	0.02	<1	370	6	<5	<20	52	0.06	<10	19	<10	<1	174
34	312669	5	1.0	1.31	<5	60	<5	2.22	1	87	10	373	>10	<10	1.10	1970	11	0.02	<1	610	8	<5	<20	56	0.10	<10	29	<10	<1	145
QC DATA:																														
Resplit:																														
R/S 1	312636	5	<0.2	1.45	105	45	10	2.61	<1	20	30	28	5.14	<10	1.20	1010	2	0.05	3	1210	12	<5	<20	50	0.13	<10	146	<10	2	5
Repeat:																														
1	312636	5	<0.2	1.44	100	35	10	2.63	<1	19	26	31	5.09	<10	1.26	1021	1	0.04	3	1180	10	<5	<20	48	0.12	<10	149	<10	2	4
10	312645	5	<0.2	2.21	20	35	5	2.12	<1	12	19	40	5.23	<10	2.08	1174	8	0.05	2	1060	20	<5	<20	23	0.11	<10	69	<10	3	60
19	312654	5	0.6	1.18	30	70	<5	6.29	<1	6	24	12	2.79	10	0.99	1234	23	0.02	2	820	56	<5	<20	82	<0.01	<10	40	<10	9	50
28	312663	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Standard:																														
GEO'96		150	1.0	1.80	70	160	<5	1.86	<1	18	64	78	3.69	<10	0.94	682	<1	0.02	21	690	22	<5	<20	53	0.12	<10	72	<10	5	70

ECO-TECH LABORATORIES LTD.
per Frank J. Pezzotti, A.Sc.T.
B.C. Certified Assayer

df/5415
XLS/96KMISC#9
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9-Oct-96

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ICP CERTIFICATE OF ANALYSIS AS 96-5340

International Tournigan Corp.
1407 - 700 West Pender Street
Vancouver, B.C.
V6C 1G8

ATTENTION: JOHN DELEEN

No. of samples received: 8
Sample type: ROCK CHIP
PROJECT #: NONE GIVEN
SHIPMENT #: NONE GIVEN
Samples submitted by: NOT INDICATED

Values in ppm unless otherwise reported

Et #.	Tag #	Au(ppb)	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
1	312615	5	<0.2	1.23	10	60	15	0.38	<1	18	7	36	8.09	<10	1.00	545	6	0.02	3	1510	18	<5	<20	17	0.37	<10	107	<10	2	36
2	312616	5	<0.2	1.38	30	60	10	0.47	<1	16	4	20	5.91	<10	1.23	670	65	0.02	2	2140	20	<5	<20	16	0.26	<10	89	<10	5	44
3	312617	5	<0.2	2.27	30	45	15	0.86	<1	23	7	35	7.45	<10	2.98	1270	73	0.01	2	1460	18	<5	<20	16	0.27	<10	102	<10	3	46
4	312618	5	<0.2	0.93	20	40	10	0.38	<1	23	4	31	6.25	<10	0.71	372	31	0.02	4	1600	16	<5	<20	14	0.27	<10	80	<10	3	16
5	312619	5	<0.2	1.45	20	60	10	0.35	<1	17	4	33	6.91	<10	1.21	672	33	0.02	2	1740	14	<5	<20	16	0.27	<10	89	<10	3	25
6	312620	5	<0.2	1.56	15	50	15	2.41	<1	18	7	24	7.41	<10	1.48	1412	61	0.02	2	1630	10	<5	<20	21	0.28	<10	139	<10	5	60
7	312623	5	<0.2	1.71	<5	45	15	0.76	<1	25	8	34	6.82	<10	0.97	768	14	0.05	6	1780	12	<5	<20	33	0.15	<10	94	<10	3	43
8	312626	5	7.4	0.34	1255	40	<5	0.26	<1	19	18	19	2.97	10	0.06	68	46	<0.01	3	1770	322	<5	<20	19	<0.01	<10	38	<10	3	184
QC DATA:																														
Resplit:																														
R/S 1	312615	5	<0.2	1.25	10	55	20	0.39	<1	18	8	34	7.70	<10	1.01	549	4	0.02	2	1510	20	<5	<20	17	0.38	<10	106	<10	2	36
Repeat:																														
1	312615	5	<0.2	1.26	15	55	25	0.40	<1	19	6	37	8.26	<10	1.01	548	5	0.02	3	1550	20	<5	<20	15	0.38	<10	110	<10	2	37
Standard:																														
GEO'96		145	1.2	1.66	70	165	<5	1.80	<1	17	64	69	3.85	<10	0.93	674	<1	0.01	21	690	20	<5	<20	60	0.10	<10	73	<10	4	72

df/5337
XLS/96KMISC#9

per **ECO-TECH LABORATORIES LTD.**
Frank J. Pezzotti, A.Sc.T.
B.C. Certified Assayer

9-Oct-96

ECO-TECH LABORATORIES LTD.
10041 East Trans Canada Highway
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ICP CERTIFICATE OF ANALYSIS AS 96-5394

International Tournigan Corp.
1407 - 700 West Pender Street
Vancouver, B.C.
V6C 1G8

ATTENTION: JOHN DELEEN

No. of samples received: 7
Sample type: ROCK
PROJECT: # NONE GIVEN
SHIPMENT: # NONE GIVEN
Samples submitted by: MAT ALLEN

Values in ppm unless otherwise reported

Et #.	Tag #	Au(ppb)	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
1	312624	30	<0.2	2.35	10	30	<5	0.76	<1	20	31	104	7.32	<10	2.25	1013	5	0.02	3	1020	26	<5	<20	12	0.08	<10	149	<10	2	39
2	312625	5	1.4	0.19	50	80	<5	0.13	<1	215	1	840	>10	<10	0.06	488	20	0.01	<1	<10	<2	<5	40	9	<0.01	50	7	<10	<1	17
3	312627	5	0.8	0.38	20	120	<5	0.37	1	56	<1	627	>10	<10	<0.01	520	31	0.01	<1	<10	<2	<5	60	13	<0.01	70	37	<10	<1	22
4	312628	5	0.4	0.25	30	35	<5	1.03	<1	73	18	126	8.44	<10	0.33	1249	8	<0.01	<1	160	<2	<5	20	10	<0.01	<10	1	<10	<1	4
5	312629	875	4.4	0.09	55	85	<5	3.50	8	64	34	2173	>10	<10	0.02	1017	22	0.01	<1	30	258	<5	40	81	<0.01	10	4	<10	<1	701
6	312630	>1000	0.8	0.42	<5	80	<5	0.63	2	108	19	2418	>10	<10	0.15	638	21	0.02	<1	190	<2	<5	40	19	0.03	30	14	<10	<1	19
7	312631	355	1.4	0.13	<5	45	<5	0.05	<1	72	105	1050	>10	<10	<0.01	115	15	0.01	2	60	<2	<5	20	2	0.02	40	8	<10	<1	16
QC DATA:																														
Resplit:																														
R/S 1	312624	40	<0.2	2.38	5	30	10	0.77	<1	21	31	104	7.47	<10	2.29	1030	5	0.02	3	1010	24	<5	<20	12	0.08	<10	153	<10	2	40
Repeat:																														
1	312624	-	<0.2	2.33	5	30	5	0.74	<1	19	34	107	7.32	<10	2.25	1006	5	0.02	4	980	22	<5	<20	11	0.07	<10	148	<10	2	40
Standard:																														
GEO'96		150	1.0	1.79	70	160	<5	1.89	<1	20	66	74	4.26	<10	1.02	715	<1	0.02	24	780	24	<5	<20	55	0.13	<10	80	<10	6	66

ECO-TECH LABORATORIES LTD.
per Frank J. Pezzotti, A.Sc.T.
B.C. Certified Assayer

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24-Oct-96

ECO-TECH LABORATORIES LTD.
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ICP CERTIFICATE OF ANALYSIS AS 96-5429

International Toumigan Corp.
1407 - 700 West Pender Street
Vancouver, B.C.
V6C 1G8

ATTENTION: JOHN DELEEN

No. of samples received: 17
Sample type: CORE
PROJECT #: NONE GIVEN
SHIPMENT #: NONE GIVEN
Samples submitted by: MAT ALLEN

Values in ppm unless otherwise reported

Et #.	Tag #	Au(ppb)	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
1	311602	5	0.6	2.34	90	30	5	>10	<1	41	25	78	9.69	<10	3.04	2709	11	<0.01	<1	540	12	<5	<20	94	0.05	<10	38	<10	<1	142
2	311603	5	0.6	0.26	50	60	<5	3.17	<1	141	20	305	>10	<10	0.29	1166	14	0.02	<1	110	<2	<5	<20	27	<0.01	<10	4	<10	<1	10
3	311604	5	<0.2	2.32	20	40	<5	3.73	3	22	33	50	6.96	<10	2.60	1991	8	0.04	2	1040	24	<5	<20	45	0.13	<10	92	<10	4	400
4	311605	5	1.0	1.27	15	45	<5	3.98	<1	70	42	417	>10	<10	1.36	1391	14	0.03	2	490	10	<5	<20	41	0.08	<10	53	<10	<1	52
5	311606	5	0.4	1.19	30	35	<5	2.76	<1	53	24	112	8.45	<10	1.39	1612	7	<0.01	1	600	14	<5	<20	56	0.09	<10	26	<10	<1	29
6	311607	10	1.2	1.23	185	20	<5	>10	<1	17	25	178	7.79	<10	1.12	2169	36	0.02	1	620	12	<5	<20	196	0.07	<10	74	<10	<1	27
7	311608	5	2.4	2.47	245	80	<5	1.44	<1	42	92	211	>10	<10	2.13	1226	9	0.03	1	680	52	<5	<20	27	0.08	<10	44	<10	<1	31
8	311609	5	1.0	1.31	50	55	<5	1.56	<1	151	15	413	>10	<10	1.36	1272	20	<0.01	<1	290	12	<5	<20	32	0.04	<10	27	<10	<1	23
9	311610	5	<0.2	2.00	30	25	<5	1.83	2	18	43	98	5.87	<10	1.99	1624	3	0.09	3	1230	16	<5	<20	26	0.13	<10	122	<10	10	361
10	311611	10	0.6	1.86	60	20	<5	1.12	2	35	77	129	6.53	<10	1.85	1198	19	0.12	3	1110	26	<5	<20	19	0.11	<10	77	<10	6	313
11	311612	5	<0.2	2.29	15	35	<5	3.23	<1	30	24	88	8.50	<10	2.56	1589	15	0.08	3	1150	10	<5	<20	33	0.12	<10	91	<10	8	166
12	311613	5	0.2	0.25	30	55	<5	1.81	<1	72	20	120	9.13	<10	0.33	1684	9	0.02	<1	80	<2	<5	<20	15	<0.01	<10	3	<10	<1	8
13	311614	5	0.6	0.55	15	55	<5	1.60	<1	87	10	152	>10	<10	0.63	1491	10	0.02	<1	250	<2	<5	<20	30	0.03	<10	8	<10	<1	15
14	312697	130	0.2	0.80	30	50	<5	9.21	<1	46	37	907	>10	<10	0.44	2101	16	<0.01	2	90	<2	<5	<20	73	0.01	<10	9	<10	<1	15
15	312698	335	0.2	0.22	<5	100	<5	1.15	3	110	19	2257	>10	<10	0.04	1022	36	0.01	<1	10	<2	<5	<20	14	<0.01	20	6	<10	<1	19
16	312699	225	<0.2	0.22	<5	65	<5	0.92	1	81	34	1077	>10	<10	0.02	668	26	<0.01	<1	30	<2	<5	<20	20	<0.01	30	3	<10	<1	13
17	312700	405	0.6	0.18	<5	90	<5	1.76	2	79	30	1700	>10	<10	0.08	990	25	<0.01	<1	<10	<2	<5	<20	37	<0.01	10	4	<10	<1	16

21-Oct-96

ECO-TECH LABORATORIES LTD.
10041 East Trans Canada Highway
KAMLOOPS, B.C.
V2C 6T4

Phone: 604-573-5700
Fax : 604-573-4557

ICP CERTIFICATE OF ANALYSIS AS 96-5420

International Tourmigan Corp.
1407 - 700 West Pender Street
Vancouver, B.C.
V6C 1G8

ATTENTION: JOHN DELEEN

No. of samples received: 27
Sample type: CORE
PROJECT #: NONE GIVEN
SHIPMENT #: NONE GIVEN
Samples submitted by: MAT ALLEN

Values in ppm unless otherwise reported

Et #.	Tag #	Au(ppb)	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
1	312670	5	5.6	2.55	<5	25	<5	>10	202	19	4	1260	7.09	<10	2.59	3426	<1	<0.01	<1	370	128	<5	<20	82	0.06	<10	37	<10	3	>10000
2	312671	5	1.6	1.24	15	15	<5	>10	30	12	9	279	3.49	<10	1.26	2674	2	0.01	<1	430	70	5	<20	109	0.07	<10	31	<10	43	3272
3	312672	5	0.8	1.22	20	50	<5	2.19	2	73	12	242	>10	<10	1.14	1425	10	0.01	2	590	14	<5	<20	62	0.11	<10	27	<10	<1	275
4	312673	5	0.8	0.68	<5	60	<5	1.63	1	109	18	787	>10	<10	0.39	673	14	<0.01	1	340	6	<5	<20	63	0.12	10	23	<10	<1	34
5	312674	5	1.4	1.93	<5	50	<5	1.52	20	70	18	687	>10	<10	1.80	2058	13	0.01	2	650	66	<5	<20	36	0.12	<10	49	<10	<1	2399
6	312675	5	1.8	1.19	<5	50	<5	0.77	2	82	59	624	>10	<10	1.20	731	18	0.02	2	570	14	<5	<20	25	0.08	<10	32	<10	<1	59
7	312676	5	0.4	1.79	20	25	<5	2.25	13	30	23	115	8.44	<10	2.20	1529	12	<0.01	4	750	22	<5	<20	62	0.10	<10	26	<10	<1	1703
8	312677	5	<0.2	1.39	50	25	10	3.85	<1	21	51	41	7.75	<10	1.87	1198	15	0.03	3	840	44	<5	<20	52	0.15	<10	88	<10	<1	115
9	312678	5	1.0	1.93	65	60	<5	1.69	15	64	12	295	>10	<10	1.50	2370	9	0.02	<1	670	14	<5	<20	28	0.11	<10	64	<10	<1	1855
10	312679	10	0.8	1.95	5	35	<5	0.79	2	26	26	242	8.32	<10	1.64	1565	6	0.03	3	1130	14	<5	<20	27	0.11	<10	76	<10	<1	242
11	312680	5	1.0	3.05	<5	50	<5	1.97	10	48	9	227	>10	<10	3.49	3344	12	0.02	3	820	64	<5	<20	53	0.08	<10	71	<10	<1	1181
12	312681	610	1.2	0.14	<5	80	<5	5.08	2	56	29	2404	>10	<10	0.13	1440	18	<0.01	3	<10	<2	<5	<20	43	<0.01	<10	7	<10	<1	19
13	312682	340	2.0	0.04	<5	70	<5	2.83	2	70	11	2414	>10	<10	0.01	916	19	<0.01	2	<10	<2	<5	<20	20	<0.01	<10	2	<10	<1	22
14	312683	190	2.4	0.28	<5	80	<5	1.65	2	73	23	2594	>10	<10	0.17	732	26	<0.01	2	<10	<2	<5	<20	18	0.02	20	10	<10	<1	24
15	312684	5	0.4	2.53	70	35	<5	1.47	<1	29	28	154	>10	<10	2.38	1988	7	0.03	3	1380	24	<5	<20	17	0.16	<10	141	<10	2	206
16	312685	5	0.4	1.21	<5	35	<5	2.14	<1	27	20	255	9.65	<10	1.11	1233	6	<0.01	1	550	6	<5	<20	68	0.11	<10	28	<10	<1	10
17	312686	5	1.2	0.18	<5	65	<5	2.22	1	82	6	569	>10	<10	0.18	656	15	<0.01	<1	20	<2	<5	<20	22	<0.01	20	2	<10	<1	89
18	312687	>1000	0.2	3.02	5	30	<5	4.70	3	31	9	90	>10	<10	3.67	2711	9	<0.01	<1	850	12	<5	<20	118	0.14	<10	55	<10	<1	457
19	312688	5	1.8	1.60	110	50	<5	>10	4	29	12	281	8.47	<10	1.55	1555	38	<0.01	<1	670	96	<5	<20	53	0.02	<10	70	<10	<1	550
20	312689	225	0.2	0.18	<5	105	<5	1.22	2	92	29	3592	>10	<10	0.08	600	22	<0.01	<1	<10	<2	<5	<20	19	<0.01	40	4	<10	<1	23

APPENDIX IV

DRILL LOGS

DDH: NY 96-01
Location: Side cut   Bearing: 180°   Dip: -45°

0-7 ft:	Casing
7-20 ft:	Gray, fine-grained, volcs/ volcaniclastics, poorly laminated; Irregular pyrite-pyrrhotite replacement in laminations; Quartz-calcite veinlets + replacement associated with pyrite-pyrrhotite; Slightly magnetic ; possible trace base metal sulfides. #312638 @ 11-14.25
20-23 ft:	Fragmental (granular /lithic) volcs/volclastics (≈1 cm); silicified, disseminated pyrite-pyrrhotite in fragments and matrix; calcite veinlets/frax fill; non-magnetic.
23-32 ft:	Dark-gray, medium-grained volcanics; disseminated pyrite; dissolution vugs/matrix dissolution adjacent to fractures (1-3 cm zones). Chlorite alteration in some laminae.
32-51 ft:	Coarse-grained volcanics; disseminated pyrite (<5%); pyrite & Quartz on frax surfaces, epidote alteration.
51-56 ft:	Fractures 80° to core axis; pyrite on fractures with Quartz-calcite.#312639
56-108 ft:	Fine-grained volcanics, dark grey; massive, silicified. Minor pyrite <1% with Quartz-calcite on frax; some chlorite and epidote alteration. #312640 @ 74-75'
108-111 ft:	Fractured, silicified 'shear' at 109 ft. Dissolution vugs. Clustered pyrite at 110 ft with 2 cm quartz veinlet. Core is broken and rubbly.Traces of chalcopyrite. #312641
111-121 ft:	Lithic tuff with clasts (≈mm to 1 cm); Some fractures; pyrite stringers (< 1 mm); and disseminated (<5%); Chlorite.
121-128 ft:	Laminated mudstone; Laminae (≈mm to ≈cm) 60° to core axis; Disseminated pyrite throughout, minor offset on fractures, trace arsenopyrite?? #321642
128-150 ft:	Chloritic, silicified volcs/volcaniclastics; Disseminated pyrite and on fractures; pyrrhotite variably magnetic; breccia along fractures/bedding contacts; black carbonaceous (?) mudstone fragments; light-grey to light-green; fragments

throughout up to 1 cm; cumulate (?) texture; silicic with FeOx staining on fractures ≈20°c.a.

150-228 ft: Chloritic, silicified volcs/volclastics; Disseminated pyrite and on fractures; Minor pyrrhotite, variably magnetic. Fine-grained 'breccia' on fractures and on lamina planes; black ; light-grey to green-gray fragments throughout up to 1 cm; at 140 ft, frax planes @ ≈20° c.a. with FeOx alteration. Beddding planes approx 70 degrees c.a. with epidote alt.

228-245 ft: Contact ≈45° to core axis; volcaniclastics with mudstone rip-up clasts in 3 cm zone of contact; coarse lithic fragments, 2-5 cm, cumulate texture. Some lithics, 'pumice-like' or fragments of crystal tuff embayed with chlorite. Pyritic/chloritic matrix.

245-277 ft: As previous with inclusions of pyrite, <5% (disseminated and in clusters) up to1 cm; At 254 to 256 ft: contorted, laminated, dark mudstone; interbedded with volcaniclastics. FeOx staining on fractures. Pale green 'air-fall' & cristal tuff s; silicified tuff fragments increasing to >5 cm; Black chlorite matrix; 'bedding' plane approx 90 deg c.a. #312643 @ 266.5-273'

277-280 ft: Grading into contorted, laminated, grey-black mudstone with quartz-pyrite on fractures; Q-calcite-pyrite cemented fracture fragments. #312644 @ 277-280'

280-297 ft: Black mudstone (marker unit). Siliceous, gray-black to black, carbonaceous(?), mudstone; Pyrite on fractures and disseminated; Replacement adjacent to quartz filled fractures and in quartz veinlets; Minor FeOx staining in some fragments; Minor calcite in fractures and displacement cavities. #312645 @ 280-287', #312646 @ 287-292', #312647 @ 292-97'

297-328 ft: Grey mudstone; Quartz-calcite-pyrite on fractures; Minor pyrrhotite; Slightly magnetic; Minor epidote. #312648 @ 297-302'

328-338 ft: Volcanics/volcaniclastics, granular, porphyric, with black-green chloritic matrix. Pyrite <1% disseminated and on ff.

EOH.

Samples for DDH NY 96-01

Sample #	From	to	Sample #	From	to
312638	11 ft	14.25 ft	312644	277 ft	280 ft
312639	51 ft	56 ft	312645	280 ft	287 ft
312640	74 ft	75 ft	312646	287 ft	292 ft
312641	108 ft	111 ft	312647	292 ft	297 ft
312642	121 ft	128 ft	312648	297 ft	302 ft
312643	266.5 ft	273 ft			

DDH NY 96-02

Location: Side cut Bearing: Vertical Dip: 90°

0-5 ft:	Casing
5-22 ft:	Gray, silicioua volcs (tuff), broken core with frax along c.a. Pyrite <5%, disseminated and on frax surfaces..
22-42 ft:	Grey-green-chloritic? volcs/volcaniclastics, medium-grained phyric; 30° and 70° fractures sets; quartz-calcite on fractures with pyrite; more pyrite on 30° fractures.
42-53 ft:	As above; Pink carbonates in fractures (dolomite-aragonite?)
53-65 ft:	Cumulate volcs (lithics to 1 cm) in porphyritic matrix. Silicious. Contact 90° to core axis; predominant 70° fractures; minor pyrite on fractures and in fragments.
65-73 ft:	Interbedded volclastics and laminated mudstone.
73-78 ft:	Irregular contact with more laminated mudstone (laminae 2 mm to 3 cm); Black to grey carbonaceous volcaniclastics; Siliceous; Pyrite on fractures; At 76 ft, quartz-calcite band (3 cm); Minor pyrite in laminae planes and disseminated. #312649
78-81 ft:	Calcite supported brecciated zone ≈15 cm in laminated mudstone with disseminated pyrite. #312650
81-85.5 ft:	Contact: grey fragmented volcaniclastic mudstone with pumice ('air fall' fragments) with calcite-quartz; Calcite on fractures; Limey mudstone; <1% pyrite.
85.5-148.5 ft:	Siliceous, green-grey-black, chloritic volcs/volclastics. Bedding contact approx 80 deg c.a. FeOx staining along some fractures; <1% pyrite with minor pyrrhotite. At 102 to 113 ft, coarse, angular, white, siliceous (rhyolite?) lithics, in silicious-chlorite matrix; calcite and FeOx along fractures.
148.5-152 ft:	Soft, FeOx-stained clay- altered; 2 mm cristals of galena at 150.5 ft in quartz. #312651 @ 149-152
152-213 ft:	Massive, silicic, green-gray volcanics, fine-grained to phyric, variably lithic (up to 4 cm; some cumulate texture) in chloritic matrix. Pyrite disseminated and in lithics (<3%); FeOx staining on fractures; fragmental (lithics, up to 4 cm) of grey quartz and grey-green quartz. Displacement fracture filling of Quartz-

calcite @ 0° to core axis at 206 ft; chlorite replacement in some siliceous fragments. #312652 @ 152-153'

213-219 ft: Gray- black mudstone; Contorted laminations, 45°-90° to core axis; some epidote alteration of limey laminae.

219-242 ft: Black, laminated, silicic mudstone; 1-3% pyrite (2 mm to 1 cm) disseminated and filling fractures. #312653 @ 219-221', #312654 @ 236-238'

242-255 ft: Gray, siliceous, massive to laminated mudstone; <1% pyrite.

255-278 ft: Grey-green mudstone; Siliceous; Massive.

278-308ft: Siliceous, massive volcs, variably porphyritic and lithic in chloritic matrix, pyrite <2%, FeOx along frax.

EOH

Samples for DDH NY 96-02

Sample#	From	to
312649	73 ft	78 ft
312650	78 ft	81 ft
312651	149 ft	152 ft
312652	152 ft	153 ft
312653	219 ft	221 ft
312654	236 ft	238 ft

DDH NY 96-03
Location: Side cut Bearing: 120° Dip: -45°

0-5 ft: Casing

5-59 ft: Grey-green volclastics and interlaminated mudstone; Quartz-calcite veinlets ≈ 20°-30° to core axis; pyrite veinlets; from 18 to 25 ft, FeOx staining on fractures; core broken and fractured, dissolution cavities along fractures; calcite cementing in volcaniclastics and frax throughout. At 38 to 40 ft, actinolite, chlorite, possible epidote. Displacement gaps and cavities filled with calcite-aragonite-dolomite, pyrite on fractures with chlorite mainly ≈45° to core axis. #312655 @ 18-23'

59-85 ft: Volcs/volclastic fragments in grey-green, chloritic matrix with silicic lithics. Pyrite <1% disseminated and frax fill. Frax displacement across laminae/bedding. Chlorite centers and rims on volcaniclastic fragments. From 78 to 80 ft, #312656, highly fractured with FeOx staining; 2 cm pyritic lamination with black mudstone and quartz-calcite.

85-93 ft: Black, pyritic, laminated mudstone; contorted & displaced laminae; calcite fracture fill; pyrite stringers up to 4 mm in width, concordant and discordant with laminations. Laminations (1mm to 2 cm) up to 45° to core axis; variably grey to black; calcite in matrix (limey). #312657

93-102 ft: Massive grey, limey, volcaniclastic mudstone; Calcitic fragments.

102-164 ft: Massive, siliceous, grey-green to light-green volcanics; chloritic matrix, FeOx staining on fractures; <1% pyrite; Pyrite clusters with black chlorite on 2 cm zone at 155-166 ft. From 138 to 143 ft, #312659, pyrite with black chlorite in bands (up to 4 cm) with quartz-calcite; pyrite in displacement cavities at 45° to core axis. From 153 to 154, #312660, siliceous, coarse lithics, possible air fall. FeOx on fractures; <2% pyrite in a 2 cm zone. #312658 @ 115-116'.

164-200 ft: Green-grey, phyric volcs/ volcaniclastics; siliceous, massive with FeOx staining on fractures; <1% pyrite; From 195-197 ft, heavily fractured with FeOx & clay? alterationand quartz fracture filling. At 200 ft, 1 cm pyrite veinlet 80° to core axis with chlorite.

200-218 ft: Chloritic, siliceous, volvaniclastic mudstone; light-grey to green; from 202.5 to 204, heavy FeOx staining and clay alteration with quartz-calcite on fractures; Galena cristals in 4 cm quartz veinlet with FeOx inclusions. #312661 @ 202-205.5'

EOH Note: Desired depth not reached due to weather consideration for upcoming drill move by helicopter.

Samples for NY 96-03

Sample#	From	to
312655	18 ft	23 ft
312656	78 ft	80 ft
312657	85 ft	93 ft
312658	115 ft	116 ft
312659	138 ft	143 ft
312660	153 ft	154 ft
312661	202 ft	205.5 ft

DDH NY 96-04

Location: Upper cut Bearing: 180° Dip: -45°

0-5 ft:	Casing
5-10 ft	50-60% pyrrhotite in siliceous, volclastic gangue; Up to 2% chalcopyrite; trace of galena in quartz-calcite veinlets; trace of covellite-bornite? #312662 @ 5-10'
10-14.5 ft:	Variably heavy sulfides in volclastics with chloritic/silicic matrix. At 10 to 10.5 ft, up to50% pyrrhotite, 20 % pyrite with <3% chalcopyrite. At 12 to 13 ft, black to grey siliceous mudstone with ≈5% pyrite; 13 to 14.5 ft, silicic lithics with disseminated pyrite. Q-calcite with pyrite as fracture fill. #312663 @10-14.5'
14.5-18 ft:	Silicic, lithic volcs with disseminated pyrite <5%; calcite-Q on fractures. #312664 @ 14.5-18'
18-38 ft:	Gray, massive, fine-grained to phyric, variably lithic, silicic volcs/volclastics interlaminated with mudstones. Fractures // to core axis with chlorite/serpentine? on ff. Calcite-quartz-pyrite frax fill with FeOx staining at 20 to 22 ft; disseminated pyrite <5%. Chloritic matrix with pyrite replacements? and clusters (to 6mm). Trace of galena @ 26-27'. Veinlets/frax fill Q-calcite (up to 2cm) at@ 33-34' and @ 80° c.a. #312665 @ 25.5-26.5', #312666 @ 33-34'.
38-41.25 ft:	Epidotized, black mudstone; Magnetic pyrrhotite up to 5%; Pyrite up to5%: Quartz-calcite on fractures. #312667 @ 38-41.25'
41.25-58 ft:	Interlaminated gray to black mudstone with silicic, chloritized volclastics. Fractures 80° to core axis; silicic lithics with epidote & chlorite alteration; some disseminated pyrite and as frax fill.
58-63 ft:	20% magnetic pyrrhotite; <1% pyrite with quartz-calcite-actinolite (fibrous green-black). #312668 @ 58-63'
63-68 ft:	<5% pyrrhotite, <2% pyrite (disseminated and in cristals up to 6 mm) in grey to green silicic volclastics; epidote alteration with calcite frax fill. #312669 @ 63-68'
68-96 ft:	Siliceous, massive, grey to green-gray, fine-grained to variably phyric with cumulate lithics. Possible air fall pumice? lithics with epidote-chlorite altered cores. Lamination/bedding displacement along fractures (45-70° c.a.) with calcite ff. Pyrite disseminsated, clusters and small masses associated with

fracturing and quartz-calcite fill. Less than 2% pyrrhotite at 90 ft on quartz-calcite fracture filling veinlets at 30° c.a.

96-99 ft:	Pink calcite (dolomite/aragonite?) with <5% pyrrhotite in first ft; grading into calcite-cemented, black mudstone with minor pyrrhotite and trace of pyrite. #312670 @ 96-99'
99-103 ft:	Calcite cemented black mudstone, disseminated pyrite. #312671 @ 100-102'
103-192.5 ft:	Massive, siliceous, grey to light gray, fine-grained to phyric, variably lithic volcanics, with interlaminated mudstone. #312672 @ 106-110' with up to 15% magnetic pyrrhotite, disseminated to semi-massive pyrite with trace chalcopyrite (chalcopyrite). Also #312673 @ 110-115' & #312674 @118-121'. Epidote alteration halos (3-5mm) on frax and laminae planes with trace pyrrhotite & pyrite; frax ≈ 20° c.a. #312675 @ 177-179' with up to 15% pyrrhotite & < 5% pyrite. #312676 @ 184-185'. #312677 @ 191-192.5' with < 20% pyrrhotite & < 5% pyrite in grey-black laminated mudstone (lams ≈ 60° c.a.) with calcite and pyrite on frax and laminae planes.
192.5-306 ft:	Grey, silicified, massive, fine-grained to phyric, variably lithic volcanics. Some possible flow/bedding features. At 293-300', coarse, cumulate lithics (to 5 cm) in fine-grained matrix. Fracture-filling & veinlets at ≈75° to core axis; some FeOx alteration; disseminated pyrite < 5% throughout.
306-330 ft:	Black, massive, silicic, carbonaceous? mudstone; Contorted laminations at contact with above volcs for several feet. Calcite frax fill/veinlets at 60° to core axis.
330-355 ft:	Gray laminated mudstone with increasing amounts of epidote alteration in bedding and along fractures.
355-385 ft:	Gray, porphyritic volcanics with laminae of gray mudstone. Lithics up to 3 cm in mudstone; epidote alteration along bedding.
385-478 ft:	Gray, massive, fine-grained - phyric, variably lithic volcanics/volclastics. Cumulate fragments to 4+ cm, pumice-like; chlorite & epidote alteration. From 447.5 to 450 ft: <10% pyrrhotite in fractures and replacement masses, pyrite <5%; #312678 @ 447.5-450' with traces of galena, spalerite? and chalcopyrite; Similar for #312679 @ 471.5-478'. Calcite and pyrite frax fill.
478-545 ft:	As previous with increased chlorite & epidote alteration and larger lithics (to 10 cm). Quartz-calcite fracture-filling with pyrite and possible pyrrhotite. From 515 to 519 ft: possible fault zone; Quartz-calcite-cemented breccia with pyrite & pyrrhotite. #321680 @ 542-545 ft: <5% pyrrhotite; <1% pyrite; possible traces of base metals.

545-572 ft: Massive, grey to green-grey volcanics/volcaniclastics in chloritic matrix, and lithics to 10 cm. Varying fracture intensity with quartz-calcite-pyrite-pyrrhotite fracture-fill; epidote alteration.

572-578 ft: Grey-black laminated mudstone and interbedded volcanics in chloritic matrix; Laminae (1mm to 5 cm) at ≈70° c.a.; epidote alteration in some laminae.

EOH

Samples for DDH NY 96-04

Sample#	From	to
312662	5 ft	10 ft
312663	10 ft	14.5 ft
312664	14.5 ft	18 ft
312665	25.5 ft	26.5 ft
312666	33 ft	34 ft
312667	38 ft	41.25 ft
312668	58 ft	63 ft
312669	63 ft	68 ft
312670	96 ft	99 ft
312671	100 ft	102 ft
312672	106 ft	110 ft
312673	110 ft	115 ft
312674	118 ft	121 ft
312675	177 ft	179 ft
312676	184 ft	185 ft
312677	191 ft	192.5 ft
312678	447.5 ft	450 ft
312679	471.5 ft	478 ft
312680	542 ft	545 ft

DDH NY 96-05

Location: Upper cut Bearing: vertical Dip:-90°

0-3 ft: Casing.

3-16.5ft: Casing core (HQ) Up to 20% pyrrhotite; <5% pyrite; <1% chalcopyrite. Traces of base metal sulfides associaed with secondary Q-calcite. Actinolite associated with massive pyrrhotite. Some interlamination with lithic volcs/volclastics and black mudstone. #312681 @ 3-7', #312682 @ 7-10', #312683 @ 10-13', #312684 @ 13-16.5'.

16.5-175 ft: Gray, massive, silicic, fine-grained to phyric, variably lithic volcanics/volclastics interlaminated with mudstone. Q-calcite-pyrite fracture filling ≈45° to core axis; variable epidote alteration. #312685 @ 59.5-63' , #312686 @ 63-66', #312687 @ 66-70' & #312688 @ 132.5-137.5' all with up to 5% pyrrhotite and approx 2% pyrite (disseminated throughout). At 67' quartz-calcite laminations in a 15 cm-wide zone (45° to core axis) with pyrrhotite and pyrite, traces of chalcopyrite with quartz. Chloritic alteration along fractures. FeOx staining as fracture halos and on fracture faces. At 151-153 ft coarse volcanic lithics, up to 5 cm, in aphanitic matrix. Lamination/bedding ~50° to core axis. Trace chalcopyrite with Q-calcite at 163-165 ft.

175-205 ft: Green, chloritic, silicic, massive volcanics; pyrite on fractures and disseminated <2%.

205-240 ft: Chloritic volcanics/volcaniclastics with intense fracturing and Q-calcite cementing from 205-215 ft. Pyrrhotite lamination/bedding replacement bands at 211 ft, ≈15 cm thick at ≈80° to core axis, also as disseminated clusters and 1-2 cm masses of pyrrhotite; <5% pyrrhotite, disseminated pyrite <2%.

240-245 ft: Laminated, green, grey to black mudstone; Contorted banding and displaced lamination; pyrrhotite <2% as replacement/inclusions and clusters up to 1 cm.

245-255 ft: Black, aphanitic, massive & macroscopically atextural, mudstone; disseminated pyrite <2%.

255-266 ft: Cataclastic, fragmental gray-green (chlorite & epidote alteration), massive, mudstone; lamination surfaces 70° to core axis.

266-287 ft: Volcanics, porphyritic and silicic in chloritic matrix. Fractures at 40° to core axis with calcite-Q fill. Disseminated pyrite <2%.

287-408 ft: Coarse, porphyritic volcanics in chloritic, green-black matrix and with chloritic lithics, up to 5 cm; quartz-calcite replacement of fragments and along lamination surfaces ~80° to c.a. with minor epidote alteration; FeOx staining along fractures. Pyrite on fractures & disseminated <2%.

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Samples for DDH NY 96-05

Sample#	From	To
312681	3 ft	7 ft
312682	7 ft	10 ft
312683	10 ft	13 ft
312684	13 ft	16.5 ft
312685	59.5	63 ft
312686	63 ft	66 ft
312687	66 ft	70 ft
312688	133.5 ft	137 ft

DDH NY 96-06

Location: Upper cut   Bearing: 135°   Dip: -45°

0-2 ft:	Casing.
2-7 ft:	≈ 20% pyrrhotite, < 2% pyrite in matrix of actinolite; calcite-Q associated with trace chalcopyrite & possibly other bms(base metal sulfides). #312689
7-12 ft:	As above with traces of chalcopyrite. #312690
12-17 ft:	As above with traces of chalcopyrite. #312691
17-77.5 ft:	Gray, massive, silicic, fine-grained to phyric, variably lithic, volcanics and interlaminated/interbedded volclastics and mudstone. Quartz-calcite-pyrite cementing fractures (≈45° to core axis); epidote alteration, pyrite < 5% disseminated, as frax fill & along mudstone laminae planes.
77.5-82 ft:	Massive actinolite with 5-10% pyrrhotite.
82-87 ft:	Traces of base metals (galena-chalcopyrite) in massive pyrrhotite (magnetic); matrix of altered/replaced volcs/volclastics; chalcopyrite associated with quartz-calcite in fractures.
87-281 ft:	Volcanics, gray, massive, silicic.
281-303 ft:	Volcanics/ volclastics with coarse lithics (up to 2 cm) above black mudstone.
303-305 ft:	Black, massive, cataclastic mudstone breccia, calcite cemented; <3% pyrite associated with quartz-calcite frax fill.

305-320 ft:	Black, massive mudstone; visible laminae 75° to core axis; Fractures 45° to core axis; Pyrite <3% with fracture-filling calcite.
320-336 ft:	Grey mudstone with < 2% pyrite.
336-375 ft:	Massive, lithic, volcanics; little evidence of bedding.
375-395 ft:	Volcaniclastics and grey, laminated mudstone; fracturing at 45° to core axis. From 378 to 390 and at 443 ft, pale yellow calcite as fracture and fragment cement. Note: this coloration may be the result of reaction with or coating of drill fluids?!
395-560 ft:	Grey, massive, fine-grained to porphyritic, variably lithic volcanics and volcaniclastics; calcite on fractures at 90° & 45° to core axis; pumice-like lithics up to 2 cm; phyric fragments (2-8 mm). Appears to be mostly a silicic tuff, 1-2% pyrite disseminated and on fractures. From 422 to 473 ft, at 45° to core axis, pale yellow calcite with quartz in FeOx stained fracture zone; pyrite (<3%) and pyrrhotite (<1%). Some chlorite alteration zones in the volcanics.
560-580 ft:	Silicic, cumulate vocaniclastics, calcite fracture-fill; at 568 ft, 8 cm of breccia cemented with calcite at 45° to core axis; pink lithics; at 565-568 ft, chlorite and pyrite cementing fine gossamer fractures.
580-605 ft:	Lithic volcanics in matrix of chlorite and epidote; pyrrhotite (<1%) & pyrite(<3%) cementing fractures.
605-618 ft:	Massive, silicic, phyric volcanics.

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Samples for DDH NY 96-06

Sample#	From	to
312689	2 ft	7 ft
312690	7 ft	12 ft
312691	12 ft	17 ft
312692	72 ft	73 ft
312693	77.5 ft	82 ft
312694	82 ft	87 ft
312695	52 ft	55 ft
312696	303 ft	305 ft
Hand Spec	310 ft	311 ft
Hand Spec	428 ft	429 ft
Hand Spec	449 ft	450 ft

Hand Spec	529 ft	530 ft
Hand Spec	590 ft	591 ft

DDH NY 96-07
Location: Upper cut   Bearing: 90°   Dip: -45°

0-5 ft: Casing.

5-26 ft: 10-15% pyrrhotite in actinolite; core probably parallel to bedding(?) [hole collared into drag fold limb]; traces of chalcopyrite, other bms not visible but possible #312697 @ 5-10', #312698 @ 10-15', #312699 @ 15-20', & #312700 @ 20-26'.

26-64 ft: Massive, light gray, fine-grained to phyric, variably lithic, volcanics; calcite cementing fracktures at ≈45° to core axis at 41-44 ft. At 61-61 ft, coarse lithics up to 5 cm.

64-66 ft: Zone of fracturing; 0-30° to core axis fractures filled with FeOx stained, quartz-calcite, pyrite; 15 cm quartz-calcite cemented shear(?) in cintact with a 10 cm layer of clustered pyrite & pyrrhotite in a dark, chloritized, silicic matrix; fractures at 50° to core axis and cemented with very fine-grained, black-green chlorite and secondary calcite. Lithics appear pumice-like, rhyolitic? with 1 mm flow?-aligned quartz cristals..

66-138 ft: Fractured (core broken), silicified, grey volcanics; from 133 to 138 ft, epidote alteration; pink, silicic, alteration(?) at 123 and 136 ft.

138-142 ft: Quartz-calcite cemented fractured and crushed zones with <5% pyrrhotite and <2% pyrite; At 141 ft, 5 mm quartz-calcite veinlet at 0° to core axis through band of pyrrhotite; silicified breccia cemented with chlorite, quartz and calcite. #311602.

142-152 ft: Grey, massive, fine-grained and porphyric volcanics; Fractures at ≈45° to core axis with calcite cement.

152-167 ft: Intermixed, grey, massive volcanics with laminated, black-grey mudstone volcaniclastics at ≈45° to core axis; at 160 ft, 20 cm fissure filled with calcite, chlorite and quartz; FeOx alteration ≈5cm on each side; pyrite and pyrrhotite replacement along lamina planes and in clusters, also disseminated and on fractures.

167-250 ft:	Green-grey, massive, silicified volcanics; Faint flow? banding, epidote alteration along planes at 45° to core axis. At 241.5 ft, 10 mm calcite veinlet at 45° to core axis; Variable grey-black chloritic alteration of lithics; pyrite <1% disseminated and along frax.
250-340 ft:	Green-grey, massive volcanics; increasing lithics of grey-pink silicic fragments; cumulate texture; from 284-286, flow? texture perpendicular to fractures at 45° to core axis; pyrite occurring as irregular clusters and on fractures also in black, chloritized lithics; contorted, laminated mudstone at 320 ft; at 320 to 327.5 ft, coarse lithics, up to 6 cm. Mudstone laminae ≈45° to core axis, contorted and displaced; At 340 ft, multiple 2-3 mm laminae with calcite filling very fine fractures.
340-355 ft:	Black, massive mudstone; up to 3% pyrite along relict lamination planes to 5 mm thick ≈ perpendicular to < 1mm calcite micro-veinlets at ≈45° to core axis; pyrite cristals and in agglomerate masses (2-10 mm); yellow-stained (FeOx or clay)? calcite.
355-448 ft:	Massive, silicic, lithic volcanics, within green-grey, chloritic matrix; pumice-like fragments up to 6 cm; from 443 to 445 ft, laminated grey-black mudstone unit, laminae ≈50° to core axis; calcite cemented, fine fractures perpendicular to laminations; some epidote alteration with minor disseminated pyrite.

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Samples for DDH NY 96-07

Sample#	From	to
312697	5 ft	10 ft
312598	10 ft	15 ft
312699	15 ft	20 ft
312700	20 ft	26 ft
311602	138 ft	142 ft
Hand spec.	198 ft	199 ft

DDH NY 96-08

Location: Talus slope   Bearing: Vertical   Dip: -90°

0-8 ft:	Casing.
8-13 ft:	Heavily fractured; <10% pyrrhotite and actinolite in green-grey vlocanics; FeOx staining on fractures; calcic remnants; fractures at 30° to core axis. #311603 @ 8-13'

13-65 ft:	Fractured to massive volcanics; Flow features(?) at ≈70° to core axis; Epidote alteration, fractures variably pervasive quartz cemented with chlorite or perhaps relict bedding plane; From 18-19 ft, pyrite cemented fractures at 90° to core axis.
65-73 ft:	Fractured, silica-calcite-cemented, grey-green-black, mudstone. At 71 ft; 3 cm band of fine-grained. light-brown andradite? or grossular? garnet; Pyrrhotite <20%, pyrite <5%. #311604 @ 65-69'
73-111ft:	Grey, massive, fine-grained to porphyritic, variably lithic; pyrite on fractures at 111 ft; Pink siliceous mass with chlorite centers.
111-117 ft:	Grey, black-grey, very fine-grained to lithic volcaniclastic with mudstone matrix; FeOx alteration halo on fractures; Calcite filling of gossamer fractures.
117-189 ft:	Green-grey, massive, siliceous, fragmented to porphyric, variably lithic volcaniclastics; Some flow bedding visible at ≈40° to core axis.
189-224 ft:	Black mudstone up to 200 ft; Laminations at ≈45° to core axis; Pyrite and pyrrhotite on fractures at 190 ft; Grey, laminated mudstone at ≈45° to core axis; Coarsening downwards; Lithic masses up to 5 cm with chlorite and calcite centers.
224-358 ft:	Massive, siliceous, variably lithic (up to 10 cm) in fragmented to porphyric, green (chlorite) matrix; FeOx alteration on joints and fractures; Darker chloritic matrix from 348 to 358 ft.

EOH

Samples for DDH NY 96-08

Sample#	From	to
311603	8 ft	13 ft
311604	65 ft	69 ft
311605	69 ft	73 ft
Hand spec.	325 ft	326 ft

DDH NY 96-09

Location: Talus slope Bearing: 180° Dip: -45°

0-5 ft:	Casing.
5-11 ft:	≈5% pyrrhotite in actinolite; fine-grained garnet; epidote, chlorite; possible traces of base metal sulfides (bms). #311606

11-51 ft:	Massive, grey, silicified, fine-grained to porphyric volcanics/volclastics, some mudstone with laminations/bedding planes ~70° c.a. At 52-53 ft, pink-grey silicic masses (cement??) with black chlorite clots; pyrite-pyrrhotite in black mudstone(?) matrix and along fractures with calcite; At 48-50 ft, pyrite-pyrrhotite ~ 10%, clusters in fractured, chloritic black-grey matrix . #311687 @ 48-50'
51-82 ft:	Green-grey, fine-grained massive volcanics with quartz-calcite cementing fractures 70° to core axis.
82-139 ft:	Grey, massive, variably lithic, variably phyric, volcs/volclastics interbedded with mudstones. Bedding/lamination planes at ≈70° to core axis; Calcite on fractures at 45° and 0° to core axis with some pyrite-pyrrhotite laminae on bedding up to 1 cm; Generally disseminated pyrite; chloritic.
139-177 ft:	Very fine-grained to porphyric, green-grey, chloritic, massive, silicified volcanics; Flow bedding at ≈70° to core axis; at 170 ft, FeOx alteration halo on fractures.
177-195 ft:	As previous with up to 3 cm FeOx alteration halos on fractures; cumulate lithics (to 4 cm) coarsening downwards.
195-208.5 ft:	Lithic, cumulate texture (up to 6 cm) in black, chloritic matrix interbedded with grey-black, laminated mudstone with pyrite disseminated & in clusters, to 3%.
208.5-223 ft:	From 208 to 220, black, massive mudstone grading into black-grey, laminated mudstone.
223-226.5 ft:	Pyrrhotite-pyrite, <5% pyrrhotite, to 20% pyrite; calcite & pyrite cememting fine fractures in mudstone at ≈10° to core axis. #311608
226.5-300 ft:	Massive, siliceous, green-grey volcanis with lithics (up to 4 cm); pumice-like fragments; disseminated pyrite-pyrrhotite (<3%) in matrix; variable intensity of fine fracturing with calcite filling.

Samples for DDH NY 96-09

Sample#	From	to
311606	5 ft	11 ft
311607	48 ft	50 ft
311608	223 ft	226.5 ft

DDH NY 96-10
Location: Talus slope Bearing: 135° Dip: -45°

0-7 ft	Casing
7-11 ft	Pyrrhotite up to 15%; Possible traces of base metal sulfides; Minor calcite-quartz; actinolite gangue. #311609
11-158 ft	Massive; light-green to grey volcanics, variably limey, primarily silicic; chlorite-calcite on fractures and flow planes at ≈45° to core axis; Pyrite <2%; Variably lithic and porphyric.
158-172 ft	Laminated silicic mudstone, grey to black, laminae 1mm to 3+ cm; pyrite on laminae/bedding planes at ≈75° to core axis; Calcite cementing fractures and along planes.
172-179 ft	Siliceous, grey, volcaniclastics.
179-192 ft	Green-grey mudstone interbedded with lithic volcanics; at 191 to 192 ft, heavy FeOx-stained alteration gauge with pale yellow calcite; porcellainous chalcedony cavity filling.
192-246 ft	Black-green, massive, variably porphyric volcanics-chloritic matrix; with ≈15 cm, grey-black, fine-laminated mudstone unit (2 mm laminae) at ≈50° to core axis at 210 ft. At 198 ft, calcite-quartz cemented breccia zone (15 cm).
246-281 ft	Mudstone, laminated to massive at ≈50° to core axis. From 254-275, black, massive mudstone with pyrite cementing fractures and in clusters up to 8 mm. At 259 ft calcite cememting fractures (1mm-1cm); grading down into black-grey mudstone.
281-298 ft	Lithic, silicic, massive, variably phyric volcanics in black-green chloritic matrix; calcite-quartz cementing fractures and along planes; at 295', calcite-cemented 8 cm fracture zone.

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Samples for DDH NY 96-10

Sample#	From	to
311609	7 ft	11 ft
311610	30 ft	36.5 ft
311611	36.5 ft	42 ft
311612	42 ft	46 ft

DDH NY 96-11

Location: Talus slope   Bearing: 225°   Dip: -45°

0 - 5 ft	Casing
5 - 10 ft	Grey altered volcs/volclastic, actinolite with pyrrhotite to 5%, pyrite to 2% with trace chalcopyrite associated with Q-calcite. #311610
10-15 ft	As above. #311611
15-22 ft	Massive, gray, silicic volcanics; disseminated pyrite & pyrrhotite, epidote alteration along frax surfaces at ~60° c.a. Core broken & frax with FeOx alt and calcite on ff.
22-40 ft	Gray, massive volcs, silicic, flow? structure ~60-80° c.a. Variably lithic, some cumulate texture. Core fractured & broken with pyrite cementing frax. Frax mostly ~50-60° c.a. Chlorite-epidote alteration halo along calcite-quartz cemented fracture zone // to bedding.
40-56 ft	Interbedded, chloritic volcs with volclastic mudstone with white-gray to pale pink, silicic masses to 4 cm. Narrow zones of disseminated to clustered pyrrhotite & pyrite, possible bms. Epidote-garnet alteration single crystal ~8mm in calcite) // with lam/bedding planes (~90° c.a.).
56-78 ft	Gray, massive, silicic volcs, fine-grained to phyric. At 73', 3cm amethystine, granular veinlet ~3 cm thick @ 75-90° c.a. Pyrite & pyrrhotite clusters and frax fill.
78-205 ft	Massive, green-gray volcanics, interbedded with volclastics and laminated mudstones. Some epidote-chlorite alteration and as matrix. Bedding/laminae ~75° c.a. At 177-180', FeOx stained shear gouge.
205-223ft	Coarse lithics, cumulate texture, fragments to 4 cm.
223-275 ft	Mudstone unit. Upper 5' grey with contorted & displaced laminations with cataclastic fragmentation and disseminated pyrite in matrix. Black, massive mudstone 228.5-243'.
275-536 ft	Interbedded volcanics, volclastics & mudstones. Variably phyric and lithic volcs in green-black chloritic matrix with diss pyrite to 2%. Cumulate lithic texture, fragments to 10cm, possible pumice. Some epidote alteration. 513-536', laminated, gray mudstone, lams ~70° c.a., 1mm to 2cm thick.

536-546 ft	Fractured, calcic, gray mudstone. Green chloritic? clays. Epidote alt, Calcite cement and fracture fill. Pyrite clusters with calcite cement. At 542', fine-grained garnet.
546-592 ft	Laminated mudstones and volclastics, variably pyritic, chloritic
592-598 ft	Gray, massive, silicic, variably phyric and lithic volcanics; possible flow? features ~50° c.a.

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Samples for DDH NY 96-11

Sample#	From	to
311613	5 ft	10 ft
311614	10 ft	15 ft

APPENDIX V

LIST OF CLAIMS

Claim Name	Type	Lot #	Tenure #	# of units	Expiry Date
Castle Rock	C.G.	4784		1	N/A
Copper Queen	C.G.	4781		1	
Copper Queen #1	C.G.	4788		1	
Copper Queen #2	C.G.	4792		1	
Gold Crown	C.G.	4779		1	
Grandview	C.G.	4793		1	
Heather	C.G.	5354		1	
Heather #1	C.G.	5355		1	
Heather #2	C.G.	5356		1	
Heather #3	C.G.	5357		1	
Heather #4	C.G.	5365		1	
Heather Fraction	C.G.	5366		1	
Bessie	C.G.	4777		1	
Mamie	C.G.	4778		1	
Red Bird #1	C.G.	4794		1	
Red Bird Fraction	C.G.	4795		1	
Skyscraper	C.G.	4897		1	
Some Fraction	C.G.	5364		1	
Waterfall #1	C.G.	4789		1	
Whistler	C.G.	4786		1	
Helena	C.G.	4783		1	
Grey Copper	C.G.	4187		1	
Grey Copper #1	C.G.	4188		1	
New York Fraction	F.		300896	1	June 3, 2004
Atlas #1	2 Post		300841	1	June 3, 2004
Atlas #2	2 Post		300842	1	June 3, 2004
Atlas #3	2 Post		300843	1	June 3, 2004
Atlas #4	2 Post		300844	1	June 3, 2004
Gypsy Fraction	F.		300898	1	June 3, 2001
Slide Fraction	4 Post		301057	1	June 5, 2004
Big Slide	4 Post		321744	1	October 18, 2004
Slide	4 Post		321769	1	October 23, 2004
Chicago	4 post		321743	4	October 18, 2004
Slippery Canyon	2 Post		322710	1	November 8, 2004
Big Gulch	2 Post		322711	1	November 8, 2004
IT #1	4 Post		315140	4	December 2, 2004
IT #2	4 Post		315141	2	December 2, 2004
IT #3	4 Post		321745	2	October 22, 2004
Crown #5	4 Post		306751	2	Decembr 14, 1998

Glad #1	4 Post		313749	15	October 4, 2004
Glad #2	4 Post		313750	4	October 4, 1999
Glad #3	2 Post		313738	1	October 4, 2001
Glad #4	2 Post		313739	1	October 4, 2001
Glad #5	2 Post		313740	1	October 4, 2001
Glad #6	2 Post		313741	1	October 4, 2001
Glad #7	2 Post		313742	1	October 4, 2001
Glad #8	2 Post		313743	1	October 4, 2001
Glad #9	2 Post		313744	1	October 4, 2000
Glad #11	4 Post		313751	12	October 5, 1998
Doc #1	4 Post		254484	6	April 9, 2000
Doc #2	4 Post		254485	12	April 9, 2000
Dave #1	4 Post		254487	3	April 24, 2004
Barite	C.G.	5341		1	
Barite #1	C.G.	5342		1	
Barite #2	C.G.	5344		1	
Barite Fraction	C.G.	5345		1	
Superior	C.G.	4801		1	
Superior #1	C.G.	4802		1	
Superior #2 Fraction	C.G.	4806		1	
Amazon	C.G.	4945		1	
Amazon #1	C.G.	4946		1	
Amazon #2	C.G.	4968		1	
Amazon #3	C.G.	4947		1	
Amazon #4	C.G.	4948		1	
Amazon Fraction	C.G.	4950		1	
Amazon #2 Fraction	C.G.	4951		1	
Foothill Fraction	C.G.	4941		1	
Enterprise	C.G.	5346		1	
Enterprise #1	C.G.	5347		1	
Enterprise #2	C.G.	5348		1	
Enterprise #3	C.G.	5349		1	
Enterprise #4	C.G.	5350		1	
Enterprise #5	C.G.	5351		1	
Enterprise #6 Fraction	C.G.	5352		1	
Enterprise #7	C.G.	5353		1	
Enterprise #6	C.G.	5359		1	
Enterprise Fraction	C.G.	5360		1	
Enterprise FR	C.G.	6079		1	
Green Lake	C.G.	6081		1	
Green Lake #2	C.G.	6076		1	
Green Lake #3	C.G.	6077		1	
Green Lake #4	C.G.	6078		1	
Green Lake Fraction	C.G.	6080		1	
Pat Fraction	C.G.	5358		1	

Hub	C.G.	5343		1	
Red Top	C.G.	4803		1	
Red Top #1	C.G.	4804		1	
Red Top Fraction	C.G.	4807		1	
Red Top #2 Fraction	C.G.	4949		1	
Hector #1	C.G.	4805		1	
Rufus #1	R.C.G.	3787	250488	1	March 1, 2001
Rufus #2	R.C.G.	3788	250489	1	March 1, 2001
Rufus #4	R.C.G.	3790	250490	1	March 1, 2001
Rufus #6	R.C.G.	3792	250491	1	March 1, 2001
Rufus	R.C.G.	3786	250853	1	March 14, 2002
Rufus #3	4 Post		321631	1	October 18, 2004
Argyle Fraction	R.C.G.	3417	250484	1	March 1, 2001
Comet #4	R.C.G.	3422	250485	1	March 1, 2001
Veteran	R.C.G.	3423	250486	1	March 1, 2001
Veteran #3	R.C.G.	3426	250487	1	March 1, 2001
Baby Rufus Fraction	R.C.G.	3793	250492	1	March 1, 2001
Wide Fraction	R.C.G.	4554	250493	1	March 1, 2001
Silver Fraction	R.C.G.	4555	250494	1	March 1, 2001
Long Fraction	R.C.G.	4556	250495	1	March 1, 2001
Argyle #1	R.C.G.	4576	250496	1	March 1, 2001
Argyle #2	R.C.G.	4577	250497	1	March 1, 2001
Argyle #3	R.C.G.	4578	250498	1	March 1, 2001
Argyle #4	R.C.G.	4579	250499	1	March 1, 2001
Argyle #5	R.C.G.	4580	250500	1	March 1, 2001
Argyle #6	R.C.G.	4581	250501	1	March 1, 2001
Duke Fraction	R.C.G.	4582	250502	1	March 1, 2001
Doc #3	4 Post		254486	12	April 10, 2001
Glad #10	2 Post		313745	1	October 5, 2000
Doctor	4 Post		321632	1	October 18, 2004
Comet	4 Post		334672	4	March 23, 1999
Veteran	4 Post		334671	4	March 23, 1999
ITC	4 Post		343058	9	January 8, 2004
Comet #3 Fraction	2 Post		300899	1	June 5, 2001
Mars	2 Post		321770	1	November 8, 1998

APPENDIX VI

ANALYTICAL TECHNIQUES

Eco-Tech
LABORATORIES LTD.

ASSAYING
GEOCHEMISTRY
ANALYTICAL CHEMISTRY
ENVIRONMENTAL TESTING

10041 E. Trans Canada Hwy., R.R. #2, Kamloops, B.C. V2C 6T4 Phone (604) 573-5700
Fax (604) 573-4557

<u>Analytical Method Assessment for</u>

GOLD ASSAY

Samples are sorted and dried (if necessary). The samples are crushed through a jaw crusher and cone or rolls crusher to -10 mesh. The sample is split through a Jones riffle until a -250 gram subsample is achieved. The subsample is pulverized in a ring & puck pulverizer to 95% -140 mesh. The sample is rolled to homogenize.

A 1/2 or 1.0 A.T. sample size is fire assayed using appropriate fluxes. The resultant dore bead is parted and then digested with aqua regia and then analyzed on a Perkin Elmer AA instrument.

Appropriate standards and repeat sample (Quality Control components) accompany the samples on the data sheet.

correspondence3/methodau.wpw

Eco-Tech LABORATORIES LTD.

ASSAYING
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ENVIRONMENTAL TESTING

10041 E. Trans Canada Hwy., R.R. #2, Kamloops, B.C. V2C 2J3 Phone (604) 573-5700
Fax (604) 573-4557

Analytical Procedure Assessment Report

MULTI ELEMENT ICP ANALYSIS

Samples are catalogued and dried. Soil samples are screened to obtain a -80 mesh sample. Rock samples are 2 stage crushed to minus 10 mesh and pulverized on a ring mill pulverizer to minus 140 mesh, rolled and homogenized.

A 0.5 gram sample is digested with aqua regia which contain beryllium which acts as an internal standard. The sample is analyzed on a Jarrell Ash ICP unit.

Results are collated by computer and are printed along with accompanying quality control data (repeats and standards). Results are printed on a laser printer and are faxed and/or mailed to the client.

Eco-Tech LABORATORIES LTD.

ASSAYING
GEOCHEMISTRY
ANALYTICAL CHEMISTRY
ENVIRONMENTAL TESTING

10041 E. Trans Canada Hwy., R.R. #2, Kamloops, B.C. V2C 2J3 Phone (604) 573-5700
Fax (604) 573-4557

Analytical Procedure Assessment Report

GEOCHEMICAL GOLD ANALYSIS

Samples are catalogued and dried. Soils are prepared by sieving through an 80 mesh screen to obtain a minus 80 mesh fraction. Rock samples are 2 stage crushed to minus 10 mesh and a 250 gram subsample is pulverized on a ring mill pulverizer to -140 mesh. The subsample is rolled, homogenized and bagged in a prenumbered bag.

The sample is weighed to 10 grams and fused along with proper fluxing materials. The bead is digested in aqua regia and analyzed on an atomic absorption instrument. Over-range values for rocks are re-analyzed using gold assay methods.

Appropriate reference materials accompany the samples through the process allowing for quality control assessment. Results are entered and printed along with quality control data (repeats and standards). The data is faxed and/or mailed to the client.

APPENDIX VII

STATEMENT OF QUALIFICATIONS

I, David R. Gunning of 20356 42A Avenue, Langley, BC, V3A 3B4, declare:

1. I am presently self-employed as a mining engineer.

2. I graduated from the University of British Columbia with a Bachelor of Applied Science (Mining and Mineral Processing option) degree in 1983.

3. I have been practising my profession as a mining engineer continuously for the past 13 years.

4. I am a member in good standing with the Association of Professional Engineers and Geoscientists of British Colombia.

5. This report is based on my personal field examination of the Bear Pass property between September 30 and October 14, 1996 in addition to the reference material listed in Appendix VIII.

6. I do not own now or anticipate receiving any interest in the securities of International Tournigan Corp.

Dated at Vancouver, British Columbia,
this 12th day of December 1996.

PROFESSIONAL ENGINEER
PROVINCE OF BRITISH COLUMBIA
D. R. GUNNING

David R. Gunning P. Eng.

APPENDIX VIII

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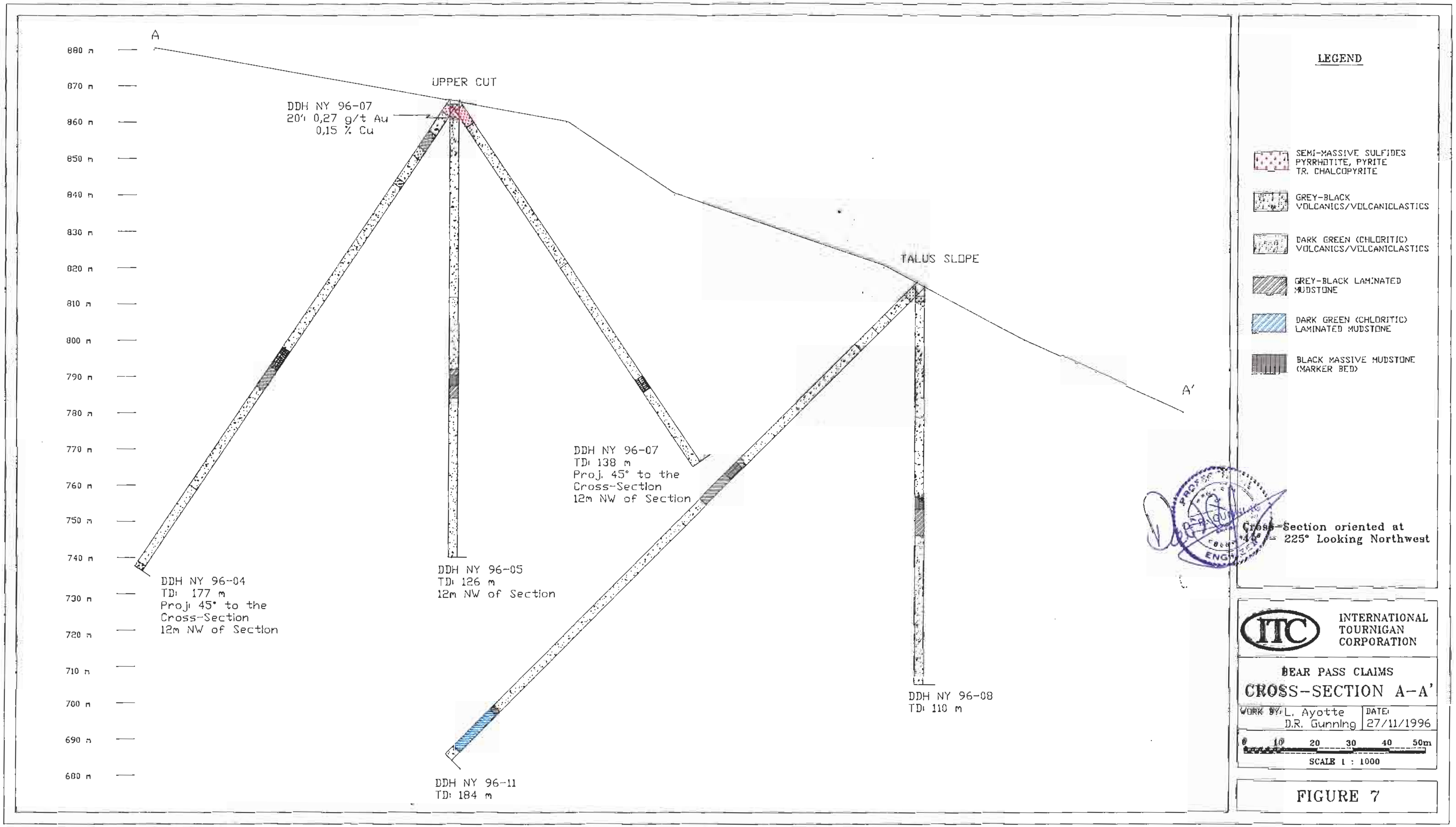
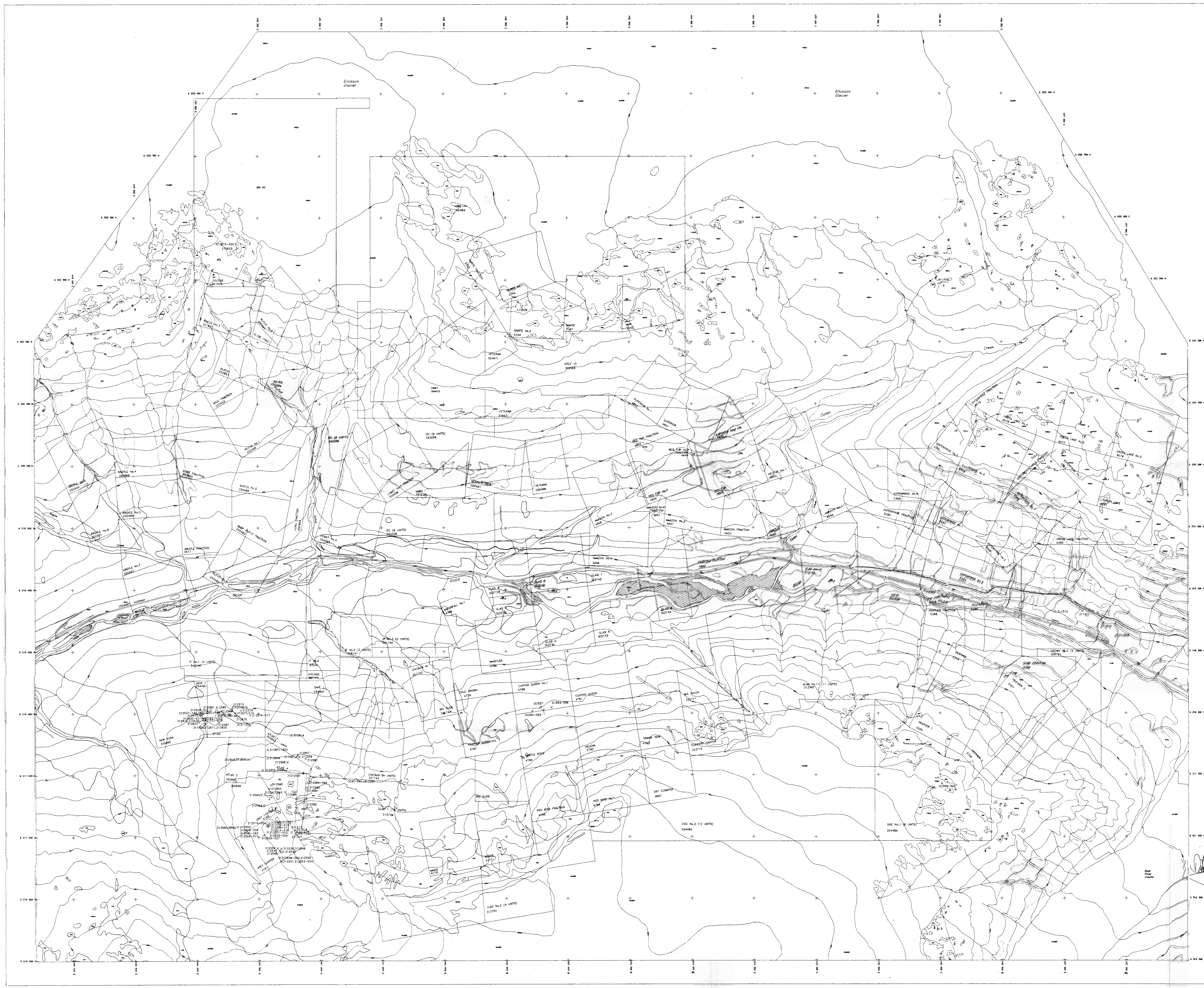

A
A'
880 m
870 m
860 m
850 m
840 m
830 m
820 m
810 m
800 m
790 m
780 m
770 m
760 m
750 m
740 m
730 m
720 m
710 m
700 m
690 m
680 m
UPPER CUT
DDH NY 96-07
20': 0,27 g/t Au
0,15 % Cu
TALUS SLOPE
DDH NY 96-07
TD: 138 m
Proj. 45° to the
Cross-Section
12m NW of Section
DDH NY 96-04
TD: 177 m
Proj: 45° to the
Cross-Section
12m NW of Section
DDH NY 96-05
TD: 126 m
12m NW of Section
DDH NY 96-08
TD: 110 m
DDH NY 96-11
TD: 184 m
LEGEND
SEMI-MASSIVE SULFIDES
PYRRHOTITE, PYRITE
TR. CHALCOPYRITE
GREY-BLACK
VOLCANICS/VOLCANICLASTICS
DARK GREEN (CHLORITIC)
VOLCANICS/VOLCANICLASTICS
GREY-BLACK LAMINATED
MUDSTONE
DARK GREEN (CHLORITIC)
LAMINATED MUDSTONE
BLACK MASSIVE MUDSTONE
(MARKER BED)
Cross-Section oriented at
45° = 225° Looking Northwest
INTERNATIONAL
TOURNIGAN
CORPORATION
BEAR PASS CLAIMS
CROSS-SECTION A-A'
WORK BY: L. Ayotte
D.R. Gunning
DATE: 27/11/1996
0 10 20 30 40 50m
SCALE 1 : 1000
FIGURE 7



LEGEND

INDEX CONTOUR

INTERMEDIATE CONTOUR

STREAM/RIVER

INTERMITTENT STREAM

TREES

PAVED ROAD

SNOW

SAND/GRAVEL

CLAIM LIMITS

SAMPLE LOCATION/NUMBER X 312591

DIAMOND DRILL HOLE

ADIT

TRENCH

BEDDING STRIKE AND DIP

FAULT LINE

TRACE OF CROSS-SECTION (the field cross-sections are presented in appendix)

GEOLOGY AND FEATURES TAKEN FROM PREVIOUS REPORTS. (Grieg et Al. 1994) (Keyte, G., 1978)

IRON FORMATION MAPPED

INFERRED

GEOLOGICAL SURVEY BRANCH ASSESSMENT REPORT

24,752

ITC INTERNATIONAL TOURNIGAN CORPORATION

WORK BY: DAVE GUNNING, LUCIE AYOTTE

DATE: DECEMBER 11th, 1996

N.T.S #: 104A/4E

BEAR PASS PROPERTY

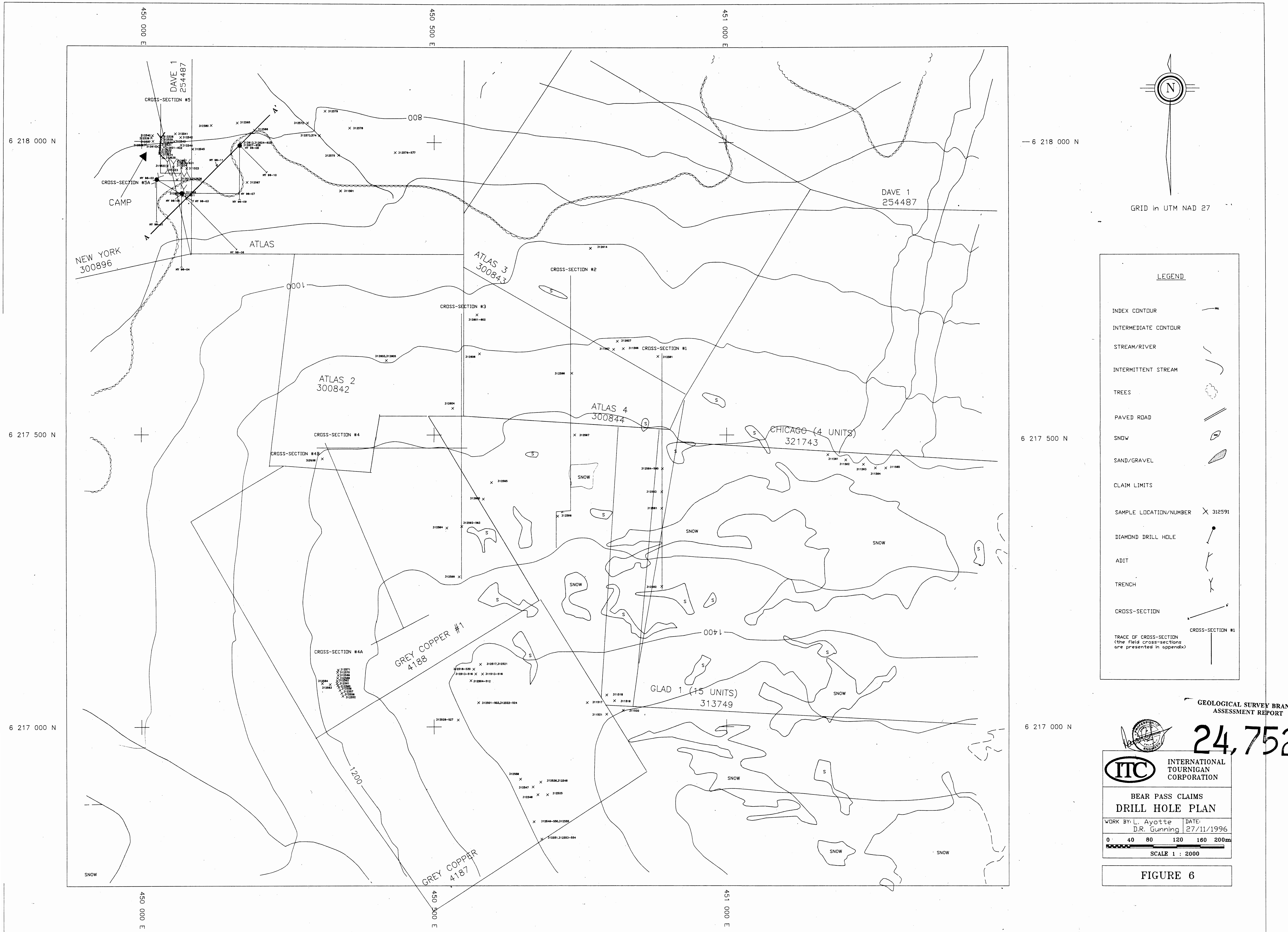
SAMPLE LOCATION MAP

SCALE 1 : 10 000

FIGURE 4.


Erickson Glacier
Erickson Glacier
LEAD SILVER VEIN
PY-CHALCOPYRITE DYKE
Cullen
Creek
SHEAR ZONE
TUNNEL #3
CHALCOPYRITE STRINGERS
SALMON FORMATION
FRENCHMAN'S TUNNEL
TUNNEL "A"
BEAR PASS PLUTON
HORNBLENDE-QUARTZ MONZODIORITE OR GRANODIORITE
(Grieg et Al. 1994)
BEAR
RIVER
STEWART HIGHWAY
BLUE VEIN
GREEN VEIN
WHITE VEIN
JASPER VEIN
LIMITS OF DRILL HOLE PLAN MAP
LEGEND
INDEX CONTOUR
INTERMEDIATE CONTOUR
STREAM/RIVER
INTERMITTENT STREAM
TREES
PAVED ROAD
SNOW
SAND/GRAVEL
CLAIM LIMITS
SAMPLE LOCATION/NUMBER
312591
DIAMOND DRILL HOLE
ADIT
TRENCH
BEDDING STRIKE AND DIP
FAULT LINE
CROSS-SECTION #1
TRACE OF CROSS-SECTION
(the field cross-sections are presented in appendix)
GEOLOGY AND FEATURES TAKEN FROM PREVIOUS REPORTS.
(Grieg et Al. 1994)
(Keyte, G., 1978)
GEOLOGICAL SURVEY BRANCH
ASSESSMENT REPORT
24,752
ITC
INTERNATIONAL TOURNIGAN CORPORATION
WORK BY:
DAVE GUNNING
LUCIE AYOTTE
DATE:
DECEMBER 11th, 1996
N.T.S #:
104A/4E
BEAR PASS PROPERTY
GEOLOGY MAP
0 100 200 300 400 500m
SCALE 1 : 10 000

FIGURE 5.


450 000 E
450 500 E
451 000 E
6 218 000 N
6 217 500 N
6 217 000 N
DAVE 1
254487
CROSS-SECTION #5
CROSS-SECTION #5A
CAMP
NEW YORK
300896
ATLAS
ATLAS 3
300843
ATLAS 2
300842
ATLAS 4
300844
CHICAGO (4 UNITS)
321743
GLAD 1 (15 UNITS)
313749
GREY COPPER #1
4188
GREY COPPER
4187
CROSS-SECTION #1
CROSS-SECTION #2
CROSS-SECTION #3
CROSS-SECTION #4
CROSS-SECTION #4B
CROSS-SECTION #4A
800
1000
1200
1400
SNOW
GRID in UTM NAD 27
LEGEND
INDEX CONTOUR
INTERMEDIATE CONTOUR
STREAM/RIVER
INTERMITTENT STREAM
TREES
PAVED ROAD
SNOW
SAND/GRAVEL
CLAIM LIMITS
SAMPLE LOCATION/NUMBER
312591
DIAMOND DRILL HOLE
ADIT
TRENCH
CROSS-SECTION
CROSS-SECTION #1
TRACE OF CROSS-SECTION (the field cross-sections are presented in appendix)
GEOLOGICAL SURVEY BRANCH
ASSESSMENT REPORT
24,752
ITC
INTERNATIONAL TOURNIGAN CORPORATION
BEAR PASS CLAIMS
DRILL HOLE PLAN
WORK BY: L. Ayotte
D.R. Gunning
DATE: 27/11/1996
0 40 80 120 160 200m
SCALE 1 : 2000
FIGURE 6