ARIS SUMMARY SHEET

District Geologist, Victoria Off Confidential: 92.03.06

ASSESSMENT REPORT 21053 MINING DIVISION: Nanaimo

PROPERTY: Wanda, Stat
LOCATION: LAT 50 37 00 LONG 127 40 00
UTM 09 5607827 594329
NTS 092L12W
CLAIM(S): Stat 1-2
OPERATOR(S): Maraga Res.
AUTHOR(S): Dasler, P.G.;Sutton, G.
REPORT YEAR: 1991, 149 Pages
COMMODITIES
SEARCHED FOR: Copper
KEYWORDS: Jurassic,Bonanza Group,Andesites,Quartz monzonites
Argillic alteration,Propyllitic alteration
WORK
DONE: Drilling,Geochemical
ROTD 1749.6 m 17 hole(s);ME
SAMP 559 sample(s) ;ME

Province of British Columbia

Ministry of Energy, Mines and Petroleum Resources

PAID

MAR 06 1991

GOVERNMENT AGENT VANCOUVER

ASSESSMENT REPORT TITLE PAGE AND SUMMARY

TYPE OF REPORT/SURVEY(S): Reverse Circulation Drilling

TOTAL COST: 121 409 72

TRANS. #

AUTHOR(S): P. G. Dasler

SIGNATURE(S):

DATE STATEMENT OF EXPLORATION AND DEVELOPMENT FILED: YEAR OF WORK: 90

PROPERTY NAME(S): Wanda, Stat

COMMODITIES PRESENT: Copper

B.C. MINERAL INVENTORY NUMBER(S), IF KNOWN:

MINING DIVISION: Nanaimo NTS: 92 I/12

LATITUDE: 50° 37' LONGITUDE: 127° 40'

NAMES and NUMBERS of all mineral tenures in good standing (when work was done) that form the property [Examples: TAX 1-4, FIRE 2 (12 units); PHOENIX (Lot 1706); Mineral Lease M 123; Mining or Certified Mining Lease ML 12 (claims involved)]:

Stat 1-3 (2322-2324) New 1-8 (423-430) Squeeze 1&2 (3746-47)
P. Main 3745, Bunny 3796, Wanda 20-30 (10947097) (1474-83)

OWNER(S)

(1) Bradford Pearson (2)

MAILING ADDRESS

CF-1030 609 Granville St.
Vancouver BC V7Y 1G5

OPERATOR(S) (that is, Company paying for the work)

(1) Moraga Resources Ltd. (2)

MAILING ADDRESS

CF-1030 609 Granville St.
Vancouver BC V7Y 1G5

SUMMARY GEOLOGY (lithology, age, structure, alteration, mineralization, size, and attitude):

Lower Jurassic Bonanza volcanics are intruded by Jurassic - Tertiary quartz monzonite and diorite.

Extensive areas of propyllitic and advanced argillic alteration surround the intrusive centres. Chalcopyrite and pyrophillite are found in the centres of the altered zones.

REFERENCES TO PREVIOUS WORK

(over)

TYPE OF WORK IN THIS REPORT	EXTENT OF WORK (IN METRIC UNITS)	ON WHICH CLAIMS	COST APPORTIONED
GEOLOGICAL (scale, area)			
Ground			
Photo			
GEOPHYSICAL (line-kilometres)			
Ground			
Magnetic			
Electromagnetic			
Induced Polarization			
Radiometric			
Seismic			
Other			
Airborne			
GEOCHEMICAL (number of samples analysed for ....)			
Soil			
Silt			
Rock			
Other			
DRILLING (total metres; number of holes, size)			
Core			
Non-core	1867 metres Reverse Circ	Stat 1, Stat 2 ... 22 holes	121409.72
RELATED TECHNICAL			
Sampling/assaying			
Petrographic			
Mineralogic			
Metallurgic			
PROSPECTING (scale, area)			
PREPARATORY/PHYSICAL			
Legal surveys (scale, area)			
Topographic (scale, area)			
Photogrammetric (scale, area)			
Line/grid (kilometres)			
Road, local access (kilometres)			
Trench (metres)			
Underground (metres)			
		TOTAL COST	121409.72

FOR MINISTRY USE ONLY	NAME OF PAC ACCOUNT	DEBIT	CREDIT	REMARKS:
Value work done (from report)				
Value of work approved				
Value claimed (from statement)				
Value credited to PAC account				
Value debited to PAC account				
Accepted ... Date ...	Rept. No.			Information Class

Daiwan Engineering Ltd.
1030-609 Granville Street, Vancouver, B.C. Canada. V7Y 1G5
Phone: (604) 688-1508

LOG NO: March 12/91 RD.
ACTION:

FILE NO:

ASSESSMENT REPORT OF

REVERSE CIRCULATION DRILLING

ON THE

WANN PROPERTY

NORTH VANCOUVER ISLAND, BRITISH COLUMBIA

NTS: 92L/12

Latitude: 50° 37'
Longitude: 127° 40'

For

Moraga Resources Ltd.
1030 - 609 Granville Street
Vancouver, B.C.
V7Y 1G5

By

Peter G. Dasler, M.Sc.. F.G.A.C.

Gary A. Sutton, B.Sc.

January 11, 1991

C:\wp51\w91.57/6

TABLE OF CONTENTS

Figures

Appendices

SUMMARY

Moraga Resources Ltd. optioned the WANN property from Acheron Resources Ltd. in May 1990. The property adjoins the Expo property of Moraga Resources and the Apple property of BHP-Utah Mines Ltd. Both of these properties are currently being explored for porphyry copper-gold mineralization.

The WANN property formed part of the Expo property until 1982, and then was staked by the current owner, an ex-BHP geologist.

The property overlies a significant airborne magnetometer anomaly, similar in size and intensity to that over the nearby Island Copper mine. Fieldwork by BHP-Utah in the 1970's identified significant copper in soils and two zones of high IP response adjacent to inferred intrusive dykes. These responses are similar to local models for porphyry copper style mineralization.

Two drill holes were completed on the property in 1974, both were on the eastern half of the property. Both holes, though not adjacent, showed strong argillic-phyllic alteration, and are indicated to be within the alteration halo of a porphyry copper deposit.

Recent exploration by Moraga has focused on reconnaissance soil geochemistry for assessment purposes, and the assembly of the property data. This data suits a model of copper mineralization adjacent to a porphyry dyke system(s) in the centre and northeast of the property. Outcrop in these areas is sparse, however the soil geochemistry, IP and magnetometer surveying indicate significant sulphide mineralization at depth.

A program of 1867 metres of reverse circulation drilling was undertaken in September 1990 to test the bedrock mineralization in the areas of most significant anomalous copper geochemical and geophysical responses. This program, costing $120,909.72, is detailed in this report.

INTRODUCTION

At the request of Mr. Maurice Young, President of Moraga Resources Ltd., a program of reverse circulation drilling was completed on the WANN property. This program began on September 21 and was completed on October 24, 1990.

LOCATION AND ACCESS

The WANN property is located on northern Vancouver Island, approximately 360 km (225 miles) northwest of Vancouver, British Columbia, Canada (Figure 1). Locally this claim group on the north side of Holberg Inlet on N.T.S. topographic map 92L/12 consists of 29 contiguous claims (see Figure 2). Most areas of the property can be reached by well maintained logging roads and forest tracks. The main access to the claim block is by forest road "P Main" a branch of "Wanokana Main" which commences on the outskirts of Coal Harbour.

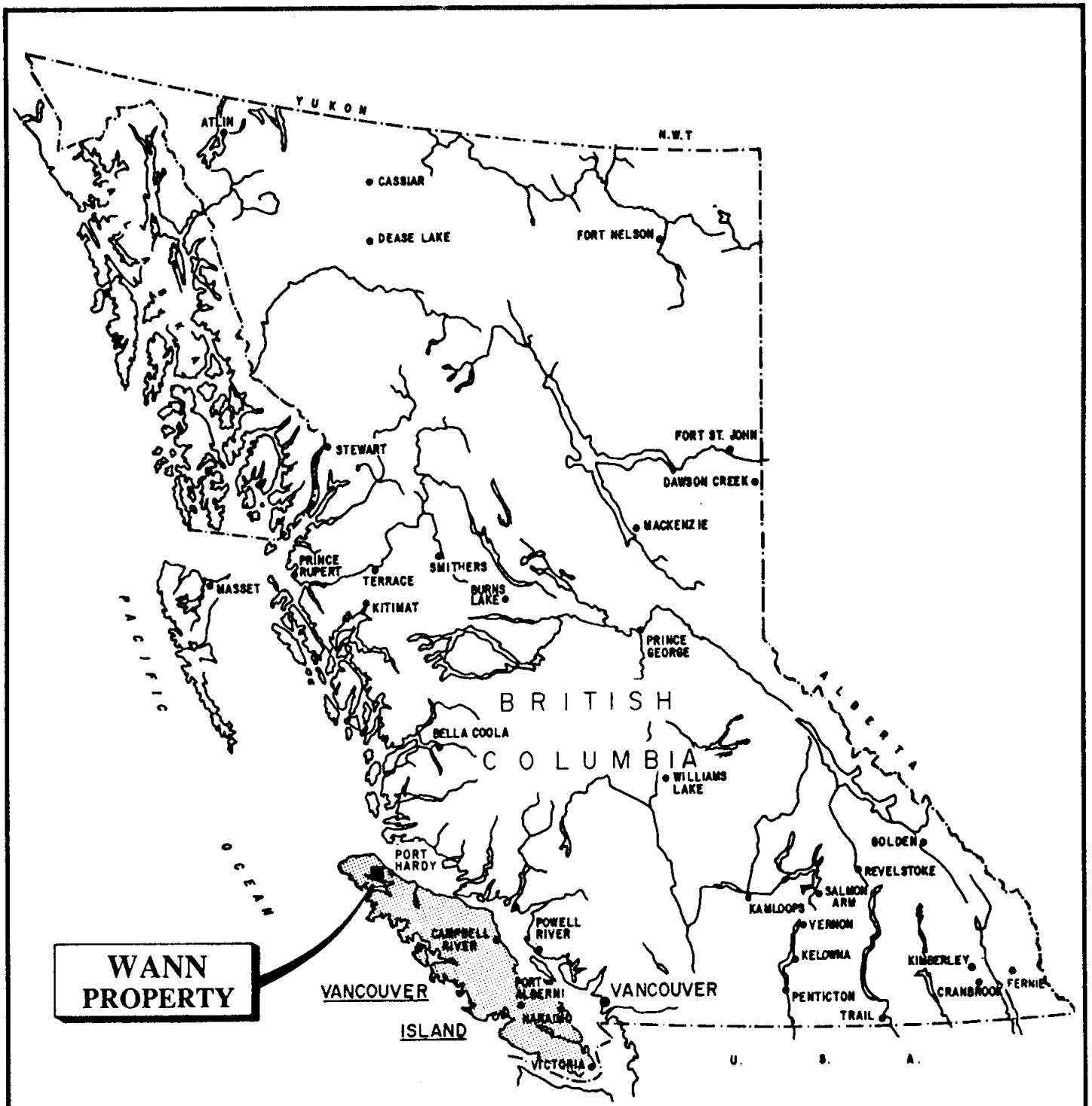
Regular air service is provided by both Air B.C. and Time Air from Vancouver to Port Hardy, each on a twice daily schedule. Alternately, there is good highway access, with travel from Vancouver taking 7 hours.

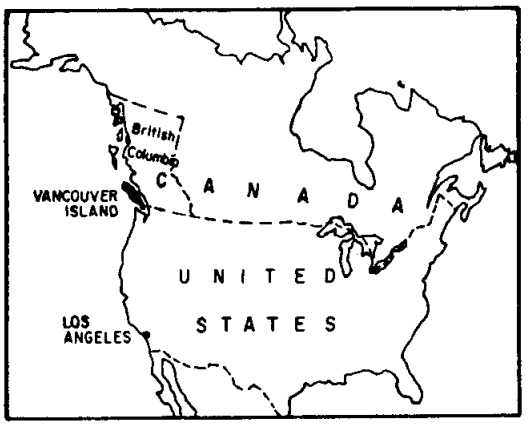
Port Hardy is the local commercial centre, but there are forestry and fishing centres at Coal Harbour and Holberg.

TOPOGRAPHY AND VEGETATION

The property is characterized by a central plateau-like area, deeply incised by the Wanokana River Valley, rising steeply to the north, and dropping approximately 150 metres in the south to sea level. Elevations range from sea level to over 300 metres (1,000 ft).

The claims are located within an active logging area, consequently forest cover varies from mature stands of fir, hemlock, spruce and cedar to dense second growth or to large open clear-cut areas of recent logging. Low areas, especially along creeks, have thick brush and berry bushes. The Wanokana and Youghpan Creek drainages are deeply incised into the local topography. These creeks form steep sided canyons along most of their length.





MORAGA RESOURCES LTD.

WANN PROPERTY

Northern Vancouver Island

LOCATION MAP

DAIWAN ENGINEERING LTD.

SCALE	DATE	FIG.
As Shown	Jan., 1991	1

Rock exposure is well defined in the areas of high relief, and on the higher ridges. However, thick humus development on the forested and logged slopes and scattered residual glacial gravels in the valley bottoms restrict geological mapping in these areas to the logging roads and the creek gulleys.

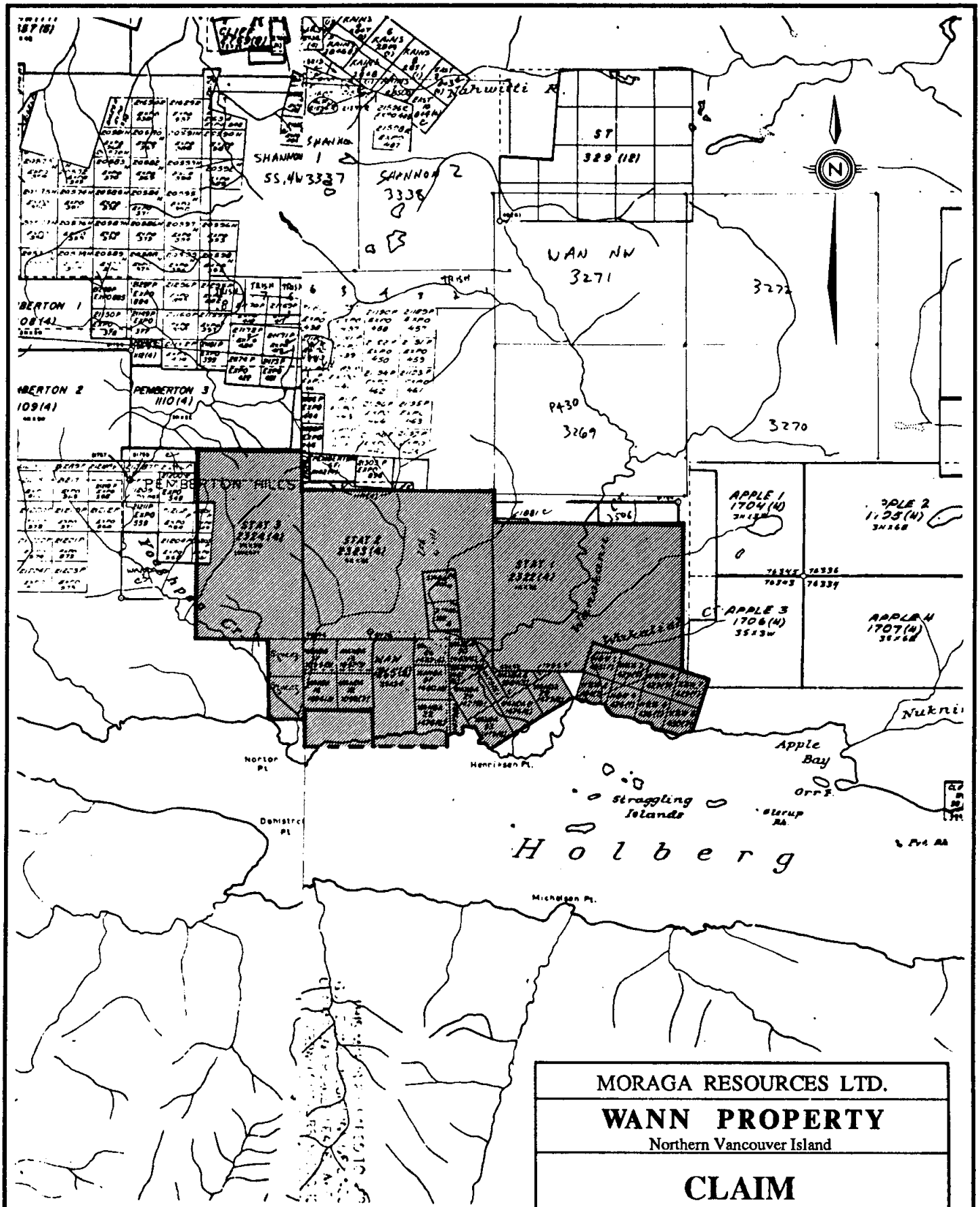
PROPERTY

The WANN property consists of the following contiguous claims:

	Rec. No.	Units	Expiry	Owner
Wanda 16-19	1094-1097	4	23 March 91	B. Pearson
Wanda 20-30	1473-1483	11	2 June 91	M. Pearson
Stat 1	2322	20	14 April 91	M. Pearson
Stat 2	2323	20	14 April 91	M. Pearson
Stat 3	2324	15	14 April 91	M. Pearson
H & W 1-8	423-430	8	19 July 91	R. McBean
Bunny	3796	12	17 April 91	Daiwan Engineering Ltd.
P. Main	3745	12	15 March 92	B. Pearson
Squeeze 1	3746	1	15 March 92	B. Pearson
Squeeze 2	3747	1	15 March 92	B. Pearson
		92		

Acheron Resources optioned the property from Western Pocasset Resources Ltd., and subsequently entered into an exploration agreement with Moraga Resources Ltd. The detail of these agreements is beyond the scope of this report. The P. Main and Squeeze and Bunny claims were staked after the signing of the exploration agreement with Acheron Resources Ltd., to cover adjacent mineralized claim blocks, and to consolidate the claim group.

The drilling program referrred to in this report will be filed as assessment to allow 5 years to be applied to all of the current claims. It is proposed however that the Wanda 16-30 claims be allowed to lapse into the overlying Bunny and P. Main claims.



MORAGA RESOURCES LTD.

WANN PROPERTY

Northern Vancouver Island

CLAIM MAP

DAIWAN ENGINEERING LTD.

SCALE	DATE	FIG.
As Shown	Jan., 1991	2

HISTORY

In 1963, the B.C. Department of Mines published the results of a recently completed aeromagnetic survey covering the northern end of Vancouver Island.[2] Since porphyry deposits were of interest at this time, considerable exploration activity was generated in the area examining all magnetic anomalies of interest.

One magnetic anomaly of fairly large areal extent was recorded on the eastern end of Rupert Inlet. Diligent prospecting in this area located a number of poorly exposed copper occurrences. A large number of claims were located in 1966 and subsequently the property was acquired by Utah Construction and Mining Company, now BHP-Utah Mines Ltd. Over the years, they added to the claim block and conducted extensive geological-geochemical-geophysical surveys and diamond drilling throughout the claim block. This work resulted in locating the large copper-molybdenum deposit which was developed into Island Copper Mine (Figure 4). The mine commenced production in October 1971. Production to 1987 has been in excess of 200 million tonnes milled, for concentrate sales of 753,000 tonnes of copper, 23.1 million grams gold, 168 million grams silver, and 15.3 tonnes molybdenum[14].

With the discovery of significant copper mineralization on the Utah property, a great deal of interest was generated in the area by individuals and companies searching for copper. Many copper occurrences were located but none were found to be economic.

During the height of the exploration activity, Utah Mines Ltd. controlled most of the ground extending from the east end of Rupert Inlet to the west end of Holberg Inlet. Their properties included the large block of claims covering the Island Copper deposit, as well as the favourable geology on trend to the northwest (most of the present Expo group). After exploring the area extensively to 1975, Utah dropped some of the claims. This release included the WANN group.

BHP-Utah and Moraga Resources have continued to develop the Hushamu copper-gold porphyry which is 8 km northwest of the WANN property, along the regional geological trend.

The Hushamu deposit, and the other alteration zones along a northwest trend from the WANN property are the targets for gold and copper exploration. The urgency for developing a further copper deposit in the area is prompted by the expected closure of the Island Copper Mine in 1996 due to the exhaustion of the pit reserves.

Work on the current WANN property has consisted of prospecting, mapping at 1:200' scale, and some IP and magnetometer surveying by Utah Mines in the early 1970s, when it was part of the Expo group. In late 1982 the claims lapsed and Mr. Pearson, an ex-Utah employee staked the ground. He has maintained the ground by limited geological prospecting of the areas surrounding the anomalies found by Utah Mines.

In 1987 Searchlight Resources Ltd. on behalf of Rochester Minerals Ltd. conducted reconnaissance sediment sampling on the property to locate epithermal type gold mineralization. Three zones of significant gold mineralization were identified from the program.

Since 1984 the majority of the property has been clear cut logged, providing excellent access and several road cuts and pits which reveal the extensive zones of clay and silica alteration.

REGIONAL GEOLOGY

Vancouver Island, north of Holberg and Rupert Inlets, is underlain by rocks of the Vancouver Group. These rocks range in age from Upper Triassic to Lower Jurassic. They are intruded by rocks of Jurassic and Tertiary age and are disconformably overlain by Cretaceous sedimentary rocks. Figure 3 shows the geological mapping of the northern part of the Island.

Faulting is prevalent in the area. Large-scale block faults with hundreds to thousands of metres of displacement are offset by younger strike-slip faults with displacements up to 750 metres (2,500 feet).

The Vancouver Group is composed as follows:[6]

(a) Basal Sediment - Sill Unit: Middle and Upper Triassic Age

(b) Karmutsen Formation: Upper Triassic Age

(c) Quatsino Formation: Upper Triassic Age

(d) Parson's Bay Formation: Upper Triassic Age

(e) Harbledown Formation: Lower Jurassic Age

(f) Bonanza Formation: Lower Jurassic Age

Cretaceous Sediments

The Vancouver Group is unconformably overlain by non-marine Cretaceous sediments of the Longarm Formation which are estimated to be about 300 metres (1,000 feet) thick in the Port Hardy area. These sediments, consisting of conglomerate, sandstone, greywacke, and siltstone and some carbonaceous and impure coal seams, occupy local basins. Early coal mining in the district was from several of these basins.

Intrusive Rocks

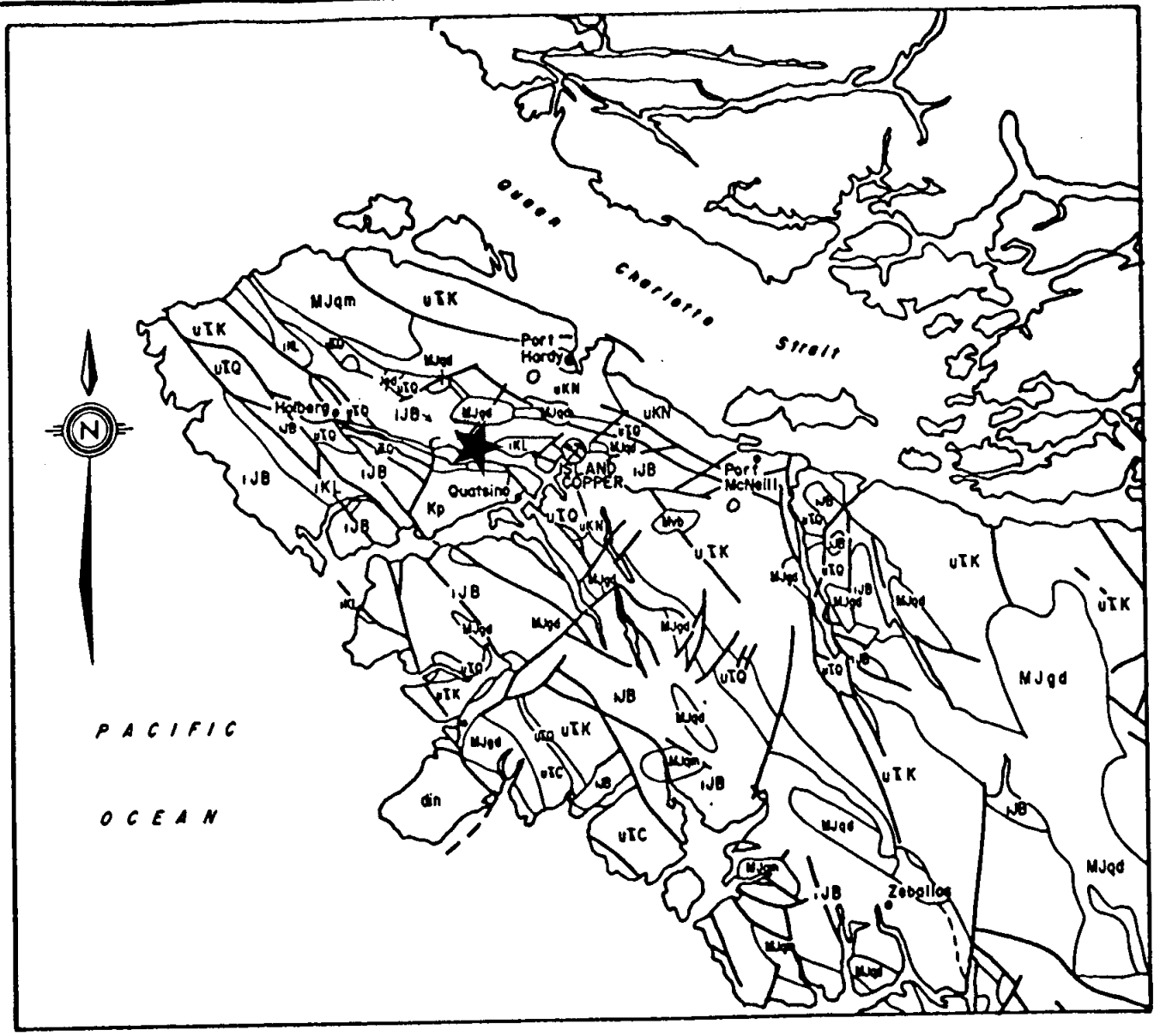
The Vancouver Group rocks are intruded by a number of Jurassic-aged stocks and batholiths. In the Holberg Inlet area a belt of northwest-trending stocks extend from the east end of Rupert Inlet to the mouth of Stranby River on the north coast of Vancouver Island[15].

Quartz-feldspar porphyry dikes and irregular bodies occur along the south edge of the belt of stocks. Dykes are characterized by coarse, subhedral quartz and plagioclase phenocrysts set in a pink, very fine grained, quartz and feldspar matrix. They are commonly extensively altered and pyritized. At Island Copper Mine, these porphyries are enveloped by altered, brecciated, mineralized Bonanza wallrocks. The porphyries, too, are cut by siliceous veins, pyritized, extensively altered, and are mineralized where they have been brecciated. The quartz-feldspar porphyries are thought to be differentiates of middle Jurassic, felsic, intrusive rocks.

Other intrusive rocks of lesser significance include felsic dykes and sills around the margins of some intrusive stocks; dykes of andesitic composition, which cut the Karmutsen, Quatsino and Parson's Bay Formation, and represent feeders for Bonanza volcanism; and Tertiary basalt-dacite dykes intruding Cretaceous sediments.

Structure

The structure of the rocks north of Holberg and Rupert Inlets is that of shallow synclinal folding along a northwesterly fold axis. The steeper southwesterly limbs of the folds have apparently been truncated by faults roughly parallel to the fold axis. Failure of limestone during folding may have influenced the location of some of the faulting as indicated by their proximity of the Dawson and Stranby River Faults to the Quatsino horizon. Transverse faulting is pronounced and manifested by numerous north and northeasterly trending faults and topographic lineaments.



LEGEND

MIOCENE
- Mvb basalt flows,sills and dykes

UPPER CRETACEOUS, PALEOCENE,EOCENE
- Kp QUEEN CHARLOTTE GROUP: siltstone,shale,greywacke

UPPER CRETACEOUS
- uKN NANAIMO GROUP: sandstone,shale,conglomerate

LOWER CRETACEOUS
- iKL LONGARM;greywacke,conglomerate

JURASSIC
- Jgd granodiorite,quartz diorite

MIDDLE JURASSIC
- MJqm quartz monzonite,granite,monzonite
- MJgd granodiorite
- MJqd quartz diorite

LOWER JURASSIC
- lJB BONANZA;andesite,dacite,rhyolite

UPPER TRIASSIC
- uTQ QUATSINO and PARSON BAY: limestone,argillite
- uTK KARMUTSEN:basalt, pillow lava

SCALE

0 25 50

kilometers

MORAGA RESOURCES LTD.

WANN PROPERTY
Nanaimo Mining Division

REGIONAL GEOLOGY MAP

DAIWAN ENGINEERING LTD.

SCALE	DATE	FIG.
As shown	Feb. '91	3

The northeasterly trending faults comprise a subordinate fault system. In some cases, apparent lateral displacement, in the order of a several hundred metres, can be measured on certain horizons. Movement, however, could be entirely vertical with the apparent offset resulting from the regional dip of the beds.

Recent computer modelling of the airborne magnetometer data has provided a very clear understanding of the relationship of secondary conjugate sets of northeast and north westerly faults related to the major west-northwest trending breaks.[7] These conjugate fault sets appear to relate directly to the significant mineralization at the Island Copper, Hushamu, Hep and Red Dog copper/gold deposits, and are present on the WANN property.

Generally, regional dip of the bedding is gentle to moderate southwesterly. Locally, in the area west of Holberg, dips are much steeper, but these are in close proximity to major faults. There is little folding or flexuring of bedding visible, except along loci of major faults where it is particularly conspicuous in thinly bedded sediments of Lower Bonanza. Bedding is generally inconspicuous in massive beds of Karmutsen, Quatsino and Bonanza rocks, particularly inland where outcrops are widely scattered.

REGIONAL MINERALIZATION

A number of types of mineral occurrences are known on Northern Vancouver Island. These include:

1. Skarn deposits: copper-iron and lead-zinc skarns

2. Copper in basic volcanic rocks (Karmutsen): in amygdules, fractures, small shears and quartz-carbonate veins, with no apparent relationship to intrusive activity

3. Veins: with gold and/or base metal sulphides, related to intrusive rocks

4. Porphyry copper deposits: largely in the country rock surrounding or enveloping granitic rocks and their porphyritic phases.

PROPERTY GEOLOGY

The property is underlain by Bonanza Series volcanics, intruded by stocks of quartz monzonite or granite (inferred from the geophysical information and mapping in the Wanokana drainage), and bounded on the southwest side by a major zone of hot spring(?) silica deposits with associated bedded pyritic horizons, and re-mobilized pyrite in veins. A large portion of the central part of the property is low lying, or covered by significant overburden. A summarized geological map (Figure 5) has been prepared for this report from 1:2400 scale base mapping.

There are large alteration zones - silica and pyrite replacement in the volcanics, and clay alteration alongside highly silicified zones in volcanics, the intrusive to the north, and in Wanokana Creek Canyon. The rock alteration is typical of zonation (phyllic) within a porphyry copper system, with further imprints of late epithermal re-mobilization.

DRILL PROGRAM

Summary of Reverse Circulation Drill Holes

Hole	Angle	Depth	Co-ordinates*	
Wan-C	-90	500	227295	265557
Wan-E	-90	350	227524	265557
Wan-G	-90	420	228049	267033
Wan-H	-90	370	227672	267000
Wan-J	-90	200	228820	268656
Wan-K	-90	260	228328	268689
Wan-L	-90	360	227852	269000
Wan-M	-90	170	227377	268836
Wan-N	-90	270	227000	268459
Wan-O	-90	320	226606	267934
Wan-P	-90	460	225688	269672
Wan-Q	-90	410	227787	272000
Wan-R	-90	380	227361	271689
Wan-S	-90	330	226951	272262
Wan-T	-90	255	227820	26043

Hole	Angle	Depth	Co-ordinates*	
Wan-U	-48	200	223000	267426
Wan-V	-90	485	228082	273476
		TOTAL 6125 (1867m)		

Holes abandoned due to overburden

Hole	Angle	Depth	Co-ordinates*	
T1	-90		226885	261606
T2	-90		227131	261557
T3	-90		227394	261557
T4	-90		227410	262115
T5	-90	20	227377	262591
T6	-90	60	226410	262738
T7	-90	70	226312	263246

* Co-ordinates from Western Forest Products Imperial grid.

The drill program was not completed as originally conceived. It was proposed that three fences of drill holes be completed across the magnetics high, immediately west of Wanokana Creek, and that a further three holes would be drilled on the east side of the creek in an IP-mag anomaly. Five drill holes were not able to be accessed by the track mounted drill rig, and there was substitution for drill targets on the eastern side of Wanokana Creek.

SAMPLE PROCESSING

All samples were collected at 10 foot intervals and riffled on site to obtain approximately $2^1/_2$ kilograms of representative sample chips which was put into cloth bags. A duplicate sample of similar weight was also prepared and left at the drill site in plastic bags for possible later use. (These samples have now been discarded at the request of the resident Inspector of Mines.)

The sample for analysis was inspected with a binocular microscope and hand lens for the mineralogy recorded in the drill hole records. The samples were then shipped to Chemex Labs Ltd., North Vancouver for gold analyses by standard 10 gm fire assay methods (AA finish), and for analysis for Ag, Co, Cu, Fe, Mn, Mo, Ni, Pb, Zn by acid dissolution and ICP analysis (ICP-9 standard analysis). All results are in ppm except FE (%) and Au (ppb).

In the latter half of the program assays of each 10 foot interval was discontinued, and only alternate sample intervals were assayed for the ICP-9 package. Gold was assay over all intervals however.

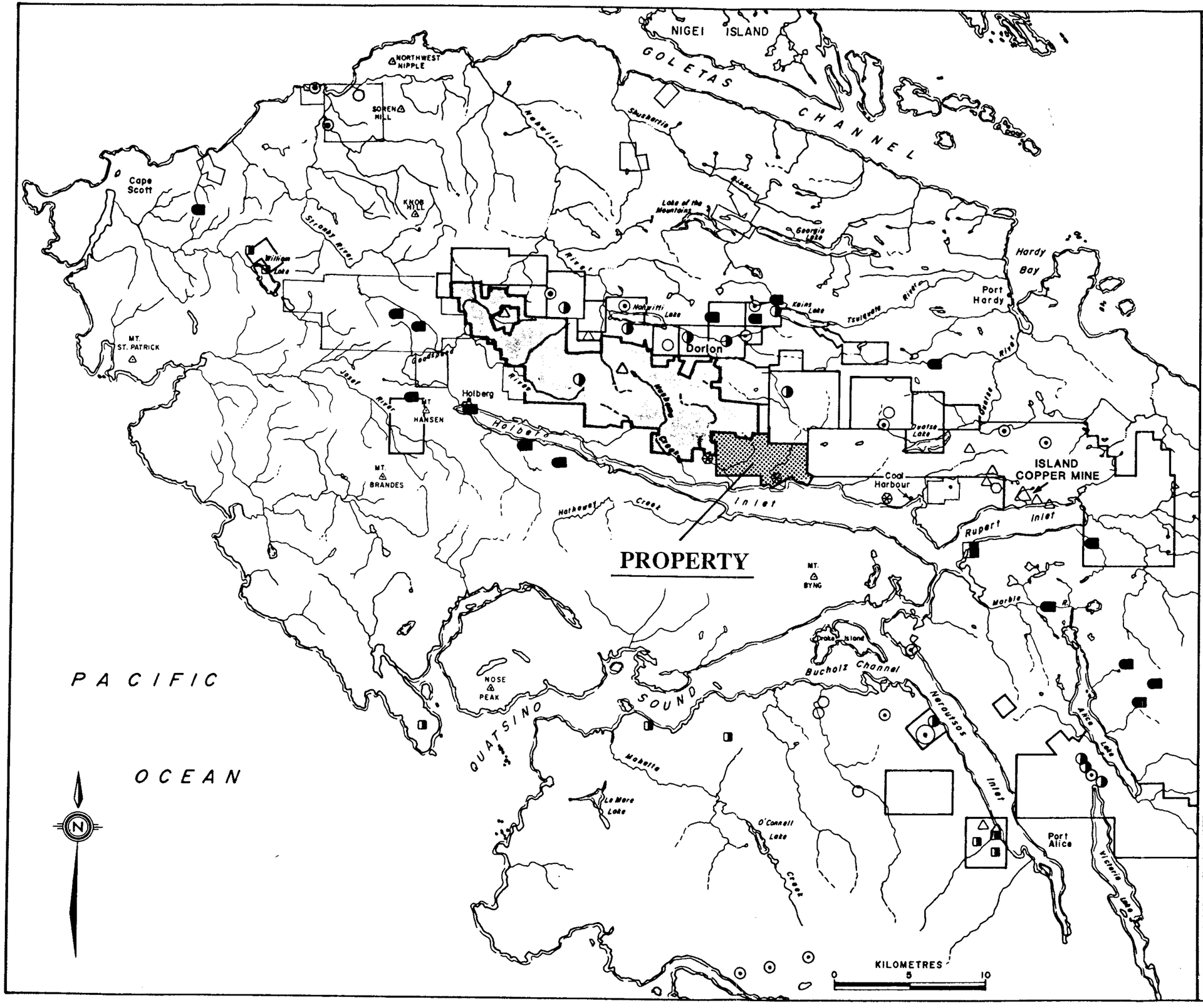
DISCUSSION OF RESULTS

No significant copper mineralization was encountered in any of the drill holes. This was a surprise, as in the vicinity of holes L, M, N there is visible chalcopyrite in the road cut material.

It is possible that the inferred copper mineralization in this area is located further to the north of the current drilling. Two drill sites were located in this area originally, but were not drilled because of access problems.

The extreme thickness of silica pyrophyllite rock encountered in RDH #V explains the large IP response in the northeastern portion of the property. This silica zone is similar to that found overlying the Hushamu copper deposit.

Hole T on the western portion of the property also drilled silica cap, but penetrated through the cap at 120 feet. The underlying andesitic tuff unit was not mineralized with copper, but should be tested further. Drill holes T1-T7 were attempts at penetrating the overburden near the original proposed drill locality. Typically the drill could not penetrate the overburden where it was over 60 feet in thickness. This area deserves further evaluation.



LEGEND

- Bog Iron
- Potassium-alumina
- Porphyry copper
- Gold quartz veins
- Copper-bearing veins
- Lead-zinc skarn or replacement in limestone
- Copper skarn
- Iron skarn
- Copper in volcanics
- Mineral occurrence
- Properties recording production

(Data from British Columbia Department of Mines and Petroleum Resources, mineral inventory maps and cards; by E.V. Jackson and G.E.P. Eastwood)

- Current Mineral Titles

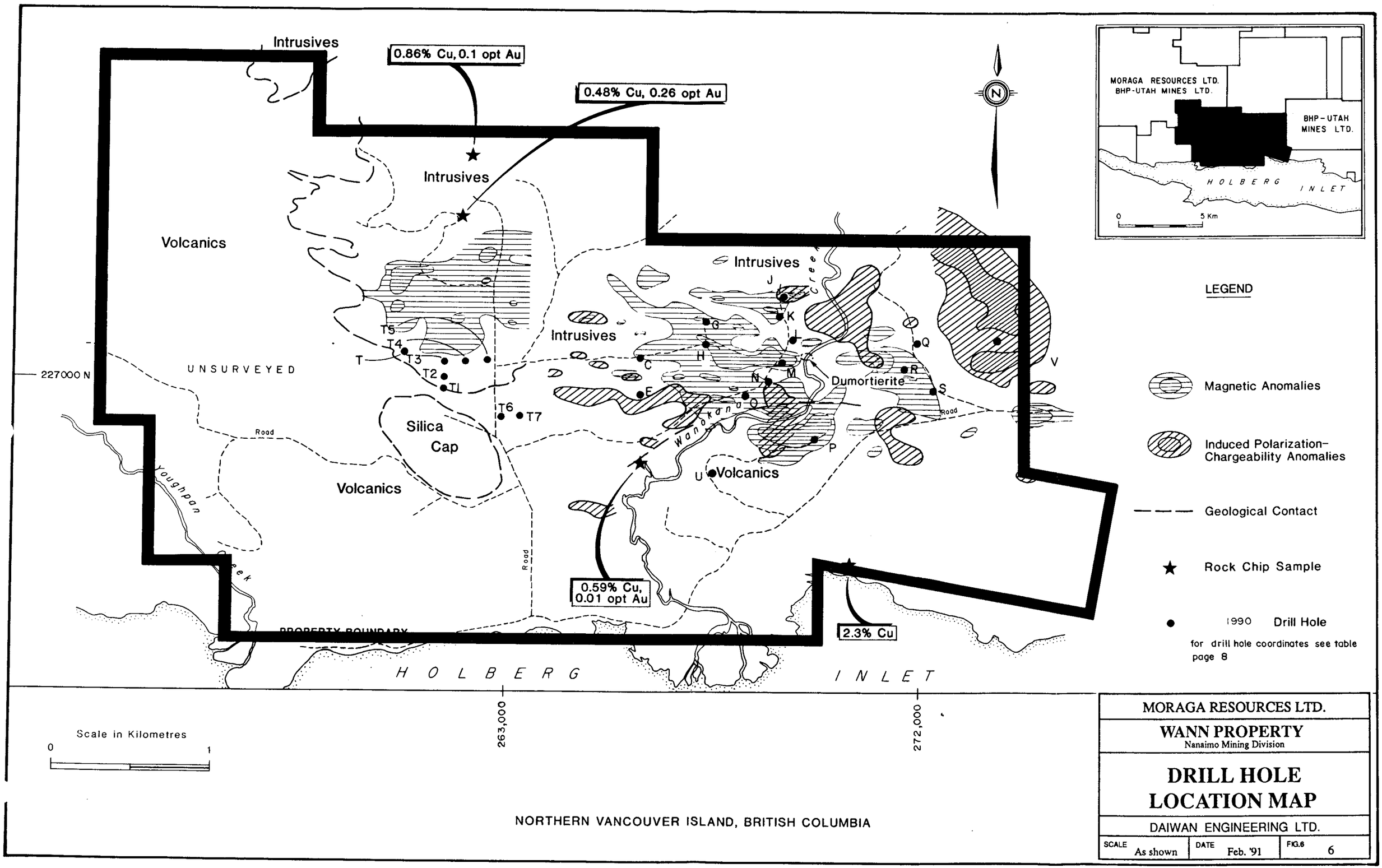
MORAGA RESOURCES LTD.

WANN PROPERTY
Nanaimo Mining Division

REGIONAL MINERALIZATION OF NORTHERN VANCOUVER ISLAND

DAIWAN ENGINEERING LTD.

SCALE	DATE	FIG.6
1:250,000	Feb. '91	4



NORTHERN VANCOUVER ISLAND, BRITISH COLUMBIA

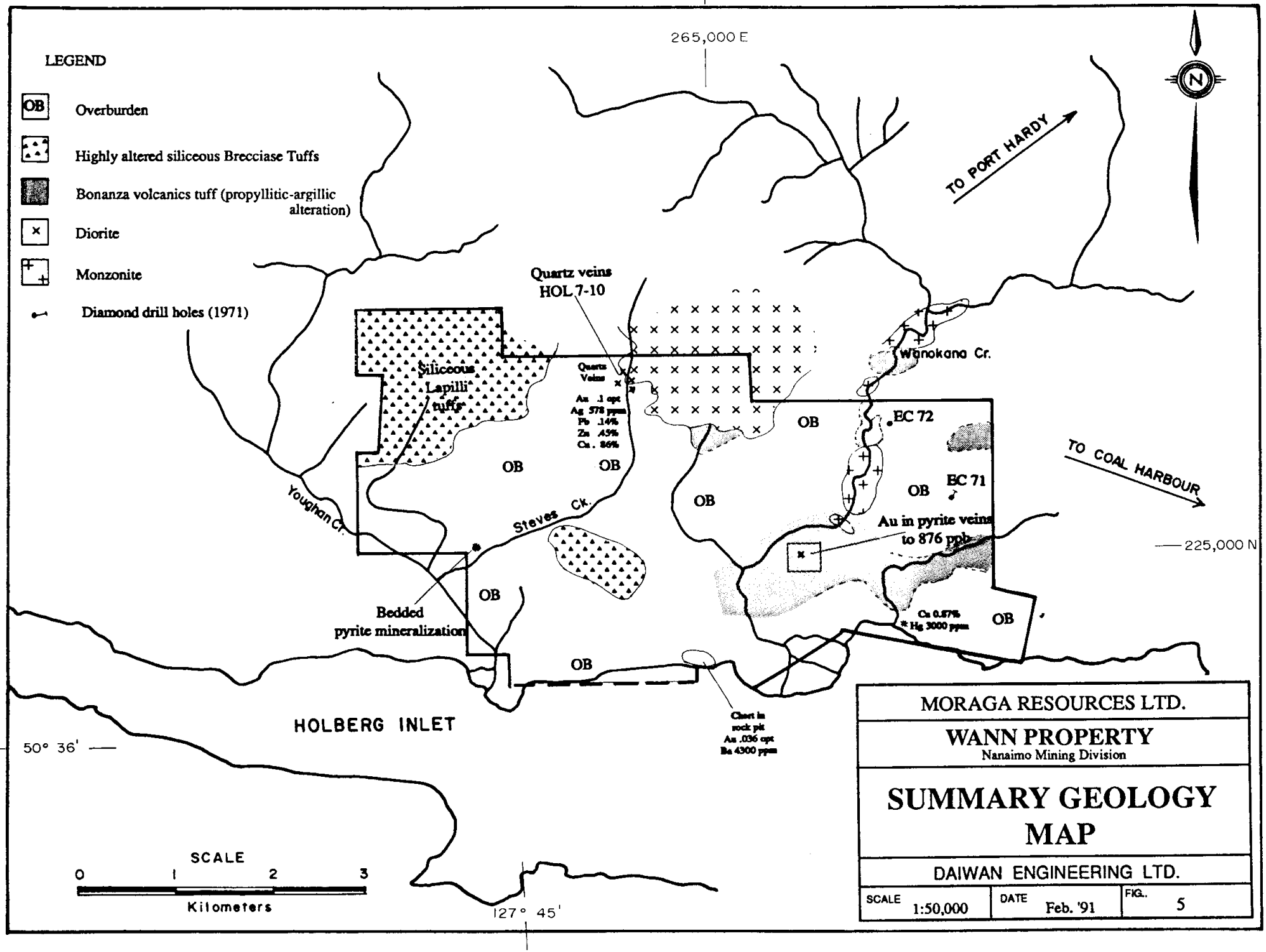
MORAGA RESOURCES LTD.

WANN PROPERTY
Nanaimo Mining Division

DRILL HOLE LOCATION MAP

DAIWAN ENGINEERING LTD.

SCALE	DATE	FIG.6
As shown	Feb. '91	6


LEGEND
OB Overburden
Highly altered siliceous Brecciase Tuffs
Bonanza volcanics tuff (propyllitic-argillic alteration)
Diorite
Monzonite
Diamond drill holes (1971)
265,000 E
TO PORT HARDY
Quartz veins
HOL 7-10
Siliceous Lapilli tuffs
Quartz Veins
Au .1 opt
Ag 578 ppm
Pb .14%
Zn .45%
Cu . 86%
OB
Wanokana Cr.
EC 72
TO COAL HARBOUR
EC 71
Steves Ck.
Youghan Cr.
Au in pyrite veins to 876 ppb
225,000 N
Bedded pyrite mineralization
Cu 0.57%
* Hg 3000 ppm
HOLBERG INLET
Chert in rock pit
Au .036 opt
Ba 4300 ppm
50° 36'
127° 45'
SCALE
0 1 2 3
Kilometers
MORAGA RESOURCES LTD.
WANN PROPERTY
Nanaimo Mining Division
SUMMARY GEOLOGY MAP
DAIWAN ENGINEERING LTD.
SCALE 1:50,000
DATE Feb. '91
FIG. 5

CONCLUSIONS

1. The reverse circulation drill program was not successful in defining extensions of the surface copper mineralization.

2. A silica pyrophyllite cap over 480 feet thick was encountered on the eastern portion of the property, and this may overly a buried Hushamu style porphyry copper-gold deposit.

3. A number of significant drill sites could not be accessed because of ground conditions.

4. Hole T on the western side of the property penetrated the silica cap at 120 feet. This appears to show significant regional vertical fault block movement across the Wanokana Creek area.

RECOMMENDATIONS

1. Further drilling should be attempted across the centre of the high magnetic zone west of Wanokana Creek, following a re-run of the ground magnetics survey to re-establish the location of the most anomalous zones.

2. Further diamond drill holes should be attempted across the low ground immediately north of the silica knobs south of RDH #T.

3. Detailed magnetometer surveying should be carried out east of Wanokana Creek north and east of the Dumortierite showing. This should extend across to the large IP anomaly.

4. Further diamond drilling should be used to evaluate the mineralization under the northeast silica cap.

STATEMENT OF COSTS

The following expenses were incurred on the WANN project for the proposal of the reverse circulation drill program:

Personnel		
P. Dasler, M.Sc. - Senior Geologist - 10.4 days @ $280/day	$ 3,952.00	
R. Husband, B.Sc. - Geologist - 2.75 days @ $260/day	715.00	
G. Sutton, B.Sc. - Geologist - 40.6 days @ $250/200/day	10,050.00	
K. Bilquist - Linecutter/Prep. - 3.5 days @ $200/day	700.00	
R. Bilquist - Linecutter/Prep. - 4.5 days @ $260/day	1,170.00	
D. Pawliuk, B.Sc. - Geologist - 20.6 days @ $340/day	7,004.00	
T. Sheridan - Draftsperson - 1.5 Days @ $220/day	392.00	$ 23,920.00
Field Costs		
Food and Accommodation - 60 days @ $29.73/day	$ 1,783.82	
Field Supplies	1,415.30	
Equipment Rental - microscope, radio	503.65	
Vehicles - 1 4x4 - 50 days @ $93.44/day	4,672.26	
Airline	584.00	
Drafting - supplies	118.06	
Office/Secretarial - report	562.50	
Telephone	171.57	
Assays		
Miscellaneous	174.42	
Heavy Equipment	297.50	
Drilling Cost (including mobilization)	76,768.75	
Disbursement Fee	2,635.72	$ 97,489.72
TOTAL		**$121,409.72**

Daiwan Engineering Ltd.
1030 - 609 Granville Street, Vancouver, B.C. V7Y 1G5
Phone: (604) 688-1508

CERTIFICATE OF QUALIFICATIONS

I, Peter G. Dasler, do hereby certify that:

1. I am a geologist for Daiwan Engineering Ltd. with offices at 1030-609 Granville Street, Vancouver, British Columbia.

2. I am a graduate of the University of Canterbury, Christchurch, New Zealand with a degree of M.Sc., Geology.

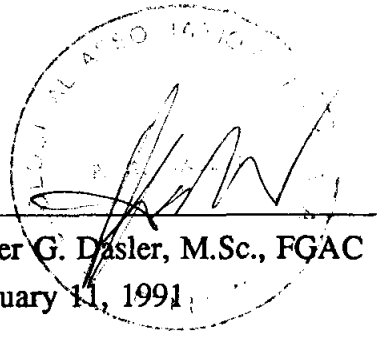
3. I am a Fellow of the Geological Association Of Canada, a Member, in good standing, of the Australasian Institute of Mining and Metallurgy, and a Member of the Geological Society of New Zealand.

4. I have practised my profession continuously since 1975, and have held senior geological positions and managerial positions, including Mine Manager, with mining companies in Canada and New Zealand.

5. This report is based on a personal fieldwork and supervision of the work programmes on the property since 1987, and from reports of Professional Engineers and others working in the area.

6. I have a part interest in 15000 shares of Moraga Resources Ltd.

7. This report has been prepared for B.C.D.M. assessment purposes only.



Peter G. Dasler, M.Sc., FGAC
January 11, 1991

CERTIFICATE OF QUALIFICATIONS

I, Gary Sutton, do hereby certify that:

1. I am a geologist for Daiwan Engineering Ltd. with offices at 1030-609 Granville Street, Vancouver, British Columbia.

2. I am a graduate of the University of British Columbia in Vancouver, British Columbia with a degree of B.Sc., Geology.

3. I have practised my profession as an exploration Geologist since 1986.

4. I supervised the reverse circulation drill program on the WANN property during September and October 1990.

5. I have no interest in the property of shares of Moraga Resources Ltd. or in any of the companies with contiguous property to their claim blocks, nor do I expect to receive any.

6. This report has been prepared for B.C.D.M. assessment purposes only.

Gary Sutton, B.Sc.
January 11, 1991

BIBLIOGRAPHY

1.	Jones, H.M. (1988)	A report on the Expo property Holberg Inlet for Moraga Resources Ltd. Filed V.S.E. Qualifying Report.
2.	_____ (1963)	G.S.C. Geophysics Paper 1734 incl. maps 1734G, 1738G.
3.	Gableman, J.W. (1982)	Geological Occurrence of Gold at Island Copper Internal Report for Utah Mines, Dec. 1982.
4.	Pickering, Schmidt	Ore Reserve Hushamu. Internal report for Island Copper Mines (1983) Ltd.
5.	Northcote, K.E.	(1970) - Rupert Inlet - Cape Scott Map - Area in B.C. Dept. of Mines Petrol. Res. G.E.M. 1970, pp. 250-278.
		(1972) - Island Copper, In B.C. Dept. Mines Petrol. Res. G.E.M. 1972, pp. 293-298.
6.	Muller, J.E., Northcote, K.E. Carlisle, D. (1974)	Geology and Mineral Deposits of Alert Bay - Cape Scott Map - and Area, British Columbia, Geol. Surv. Canada Paper 74-8
7.	Dasler, P.G. (1989)	Report on the Expo Claim Group, Moraga Resources Ltd, private company files.
8.	Kesler, S.E. (1985)	Report on Geological Review of the MacIntosh - Pemberton Precious Metal Exploration Area. Private Report to BHP-Utah Mines Ltd., June 1985.
9.	Magnum, C. Von Einsiedel (1988)	Summary report and proposed exploration program Dorlon project. February 15, 1988. VSE listing report for Silver Drake Resources Ltd.
10.	Magnum, M. (1988)	V.S.E. Listing Report Silver Drake Resources Ltd. - July 12, 1988

11.	_____ 1988	V.S.E. News Release January 4, 1989 - Crew Natural Resources Ltd., George Cross News Letter - November 23, 1988.
12.	Adamson, R. (1989)	Correspondence to Daiwan Engineering Ltd., and personal discussions April 1989.
13.	Sillitoe, R.H. (1980)	Styles of low-grade gold mineralization in Volcano-plutonic areas.
14.	McMillan et al (1986)	Mineral Deposits in British Columbia - A review of their Tectonic settings. Paper in Geoexpo conference Vancouver, B.C. 1986.
15.	B.C.D.M. Records	Island Copper Statistics, B.C. Dept. of Mines records to 1984 with estimates to end of 1986.
16.	Carson DJT 1972	The plutonic rocks of Vancouver Island - Page 72-44
17.	Woods, D.V. (1987)	Geophysical Report on Reconnaissance Surface and Bore Hole Pulse Electro, magnetic Survey on the Expo Project, Vancouver Island, report for Moraga Resources Ltd.
18.	Holcapek, F. (1975)	Progress report for Acheron Mines Ltd. Assessment report #5758 on the Ti Mo and Bud claims.
19.	Young, M.(1969)	Geological and Geochemical Assessment Report on the Expo Claim Group for Utah Mines Ltd Assessment Report #2190
20.	Motterhead, B. (1968)	Geological and Geochemical Report on the Ti, Mon and Bud claims, North Vancouver Island, for Acheron Mines Ltd.
21.	Taylor, D.P. (1973)	Report on the Geochemical, Magnetometer and Geological Surveys on the Ti, Mon, Mo, and Bud claims of Acheron Mines Ltd.
22.	Sutherland, R. (1966)	Report on the Reconnaissance Exploration program, Nahwitti Lake Area, Assessment Report #870, for Giant Explorations Ltd.
23.	B.C.D.M. Records	Minfile #92L-069, 074-079, 098, 181, 200, 241-245.

24. Dasler, P.G. (1987) Lithogeochemical Assessment Report for Rochester Minerals Ltd. August 1987. B.C.D.M. Report #16139.

25. Dasler, P.G. (1987) Internal Report for Rochester Minerals Ltd. August 1987.

26. Dasler, P.G. (1987) Report for Western Pocasset Resources Ltd.

27. Husband, R.W. (1990) Geochemical Assessment Report on the Wan '90 property for Acheron Resources Ltd. May 3, 1990.

28. Pearson, B.D. (1984) Rock geochemistry of Wanda claims B.C.D.M. Assessment Report December 10, 1984.

29. Pearson B.D. (1983) Geology petrography silt and rock geochemistry of Wanda claims B.C.D.M. Assessment Report March 22, 1983.

30. Clouthier G. (1971) B.C.D.M. Assessment Report #3402.

31. Prior, G. (1984) Lithogeochemical Report on the Wan claim. Homestake Mineral Development Co. B.C.D.M. Assessment Report #13739.

32. Pearson, B.D. (1987) Rock and soil geochemistry stat - Wanda claims March 14, 1987. B.C.D.M. Report #15876.

33. Pearson, B.D. (1984) Geology magnetometery and gradiometry Wanda claim March 20, 1984. B.C.D.M. Report #12302.

APPENDIX I

ASSAY CERTIFICATES

Chemex Labs Ltd.

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

To: DAIWAN ENGINEERING LTD.
ATTN: PETER DASLER
1030 - 609 GRANVILLE ST.
VANCOUVER, BC
V7Y 1G5

Project : WAN 90
Comments: ATTN: PETER DASLER

Invoice Date: 3-OCT-90
Invoice No. : I-9023774
P.O. Number :

CERTIFICATE OF ANALYSIS A9023774

SAMPLE DESCRIPTION	PREP CODE		Au ppb FA+AA	Ag ppm	Co ppm	Cu ppm	Fe %	Mn ppm	Mo ppm	Ni ppm	Pb ppm	Zn ppm
50301	205	294	< 5	< 0.5	22	57	5.19	665	1	15	6	36
50302	205	294	15	< 0.5	20	81	5.37	655	< 1	19	< 2	34
50303	205	294	60	2.0	14	102	5.11	860	1	11	18	70
50304	205	294	5	< 0.5	14	87	4.93	585	< 1	10	< 2	30
50305	205	294	30	< 0.5	17	79	5.02	630	1	9	2	30
50306	205	294	< 5	< 0.5	13	55	5.10	520	< 1	7	< 2	30
50307	205	294	< 5	< 0.5	13	54	4.61	625	2	8	2	36
50308	205	294	< 5	< 0.5	15	56	4.78	625	1	12	2	36
50309	205	294	< 5	< 0.5	17	94	4.99	680	< 1	13	< 2	44
50310	205	294	< 5	< 0.5	14	105	5.26	625	1	13	< 2	40
50311	205	294	< 5	< 0.5	13	34	4.73	490	< 1	12	< 2	38
50312	205	294	< 5	< 0.5	17	107	4.95	625	< 1	15	< 2	40
50313	205	294	< 5	< 0.5	13	62	3.88	670	3	10	8	50
50314	205	294	< 5	< 0.5	7	21	3.38	720	2	3	2	40
50315	205	294	< 5	< 0.5	11	81	4.08	975	4	5	14	84
50316	205	294	< 5	< 0.5	6	15	3.32	770	2	3	2	94
50317	205	294	< 5	< 0.5	9	24	3.64	730	2	2	< 2	58
50318	205	294	< 5	< 0.5	7	15	3.18	515	2	1	< 2	46
50319	205	294	< 5	< 0.5	7	22	3.21	500	1	1	2	36
50320	205	294	< 5	< 0.5	7	25	3.29	560	1	2	4	52
50321	205	294	< 5	< 0.5	6	24	2.89	395	2	1	4	42
50322	205	294	< 5	< 0.5	7	24	3.17	470	2	1	< 2	30
50323	205	294	< 5	< 0.5	8	32	3.69	495	4	2	2	34
50324	205	294	< 5	< 0.5	6	12	3.14	430	2	2	4	34
50325	205	294	< 5	< 0.5	6	20	3.32	405	1	2	< 2	32
50326	205	294	< 5	< 0.5	7	30	3.37	390	1	2	< 2	20
50327	205	294	< 5	0.5	7	62	3.05	510	2	2	44	74
50328	205	294	< 5	< 0.5	7	29	3.27	710	3	2	< 2	114
50329	205	294	< 5	< 0.5	7	26	3.25	735	4	2	< 2	288
50330	205	294	< 5	< 0.5	7	20	3.28	500	1	2	2	40
50331	205	294	< 5	< 0.5	7	94	3.45	535	1	2	< 2	40

CERTIFICATION: B. Caplin

Chemex Labs Ltd.

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

To: DAIWAN ENGINEERING LTD.
ATTN: PETER DASLER
1030 - 609 GRANVILLE ST.
VANCOUVER, BC
V7Y 1G5

Project : WAN 90
Comments: ATTN: PETER DASLER CC: DAVID PAWLIUK

Invoice Date: 08-OCT-90
Invoice No. : I-9023882
P.O. Number :

CERTIFICATE OF ANALYSIS A9023882

SAMPLE DESCRIPTION	PREP CODE	Au ppb FA+AA	Ag ppm	Co ppm	Cu ppm	Fe %	Mn ppm	Mo ppm	Ni ppm	Pb ppm	Zn ppm
50332	205 294	< 5	0.5	13	65	3.41	495	1	28	2	54
50333	205 294	< 5	< 0.5	13	61	3.55	500	< 1	27	< 2	60
50334	205 294	< 5	< 0.5	15	36	4.79	270	3	9	< 2	28
50335	205 294	< 5	< 0.5	18	50	5.62	210	1	8	< 2	24
50336	205 294	< 5	< 0.5	21	20	6.02	165	< 1	10	< 2	22
50337	205 294	< 5	< 0.5	19	37	6.69	270	< 1	10	< 2	26
50338	205 294	< 5	0.5	12	37	4.32	390	< 1	7	< 2	32
50339	205 294	< 5	0.5	19	38	4.69	360	< 1	12	< 2	26
50340	205 294	< 5	0.5	20	34	4.68	380	1	9	< 2	26
50341	205 294	< 5	0.5	15	23	4.19	445	< 1	6	< 2	24
50342	205 294	< 5	< 0.5	14	21	4.32	500	1	7	< 2	26
50343	205 294	< 5	< 0.5	16	112	4.85	345	1	20	< 2	38
50344	205 294	< 5	< 0.5	15	62	4.96	335	3	27	2	44
50345	205 294	< 5	< 0.5	18	54	5.90	420	7	27	< 2	38
50346	205 294	< 5	0.5	15	44	4.73	560	2	18	36	116
50347	205 294	< 5	0.5	14	25	4.48	435	2	20	< 2	38
50348	205 294	< 5	0.5	16	35	4.93	440	5	18	2	44
50349	205 294	< 5	0.5	18	163	5.37	395	1	21	< 2	32
50350	205 294	15	< 0.5	14	56	5.50	375	6	27	2	28
50351	205 294	< 5	< 0.5	18	106	4.31	550	< 1	10	< 2	38
50352	205 294	< 5	< 0.5	16	63	4.40	490	< 1	9	< 2	38
50353	205 294	< 5	< 0.5	13	40	4.16	540	< 1	6	< 2	38
50354	205 294	< 5	0.5	20	113	4.16	590	< 1	7	2	38
50355	205 294	< 5	0.5	13	43	4.17	515	< 1	7	2	34
50356	205 294	< 5	< 0.5	14	68	3.87	460	< 1	5	< 2	48

CERTIFICATION: B. Caughlin

Chemex Labs Ltd.

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

To: DAIWAN ENGINEERING LTD.
ATTN: PETER DASLER
1030 - 609 GRANVILLE ST.
VANCOUVER, BC
V7Y 1G5

Invoice Date: 08-OCT-90
Invoice No. : I-9024069
P.O. Number :

Project : WAN-90
Comments: ATTN: PETER DASLER CC: DAVID PAWLINK

CERTIFICATE OF ANALYSIS A9024069

SAMPLE DESCRIPTION	PREP CODE		Au ppb FA+AA	Ag ppm	Co ppm	Cu ppm	Fe %	Mn ppm	Mo ppm	Ni ppm	Pb ppm	Zn ppm
50357	205	294	10	1.0	16	59	4.27	685	1	6	< 2	52
50358	205	294	< 5	< 0.5	16	57	4.43	530	1	6	< 2	40
50359	205	294	< 5	< 0.5	12	42	4.14	480	< 1	7	2	52
50360	205	294	< 5	< 0.5	14	38	4.89	345	2	7	< 2	40
50361	205	294	< 5	< 0.5	20	35	4.47	385	< 1	6	< 2	52
50362	205	294	5	< 0.5	15	54	4.01	450	2	7	< 2	50
50363	205	294	< 5	< 0.5	14	17	4.21	575	2	3	< 2	42
50364	205	294	< 5	< 0.5	11	14	3.63	355	< 1	2	< 2	30
50365	205	294	< 5	< 0.5	6	30	2.13	310	3	3	< 2	28
50366	205	294	< 5	< 0.5	10	36	3.31	475	1	4	< 2	36
50367	205	294	< 5	< 0.5	9	50	3.32	540	< 1	5	< 2	52
50368	205	294	10	< 0.5	11	45	3.44	330	1	6	2	34
50369	205	294	< 5	< 0.5	9	43	3.24	260	1	5	< 2	26
50370	205	294	< 5	< 0.5	10	35	3.29	280	< 1	6	< 2	28
50371	205	294	< 5	< 0.5	11	50	3.54	305	< 1	6	< 2	30
50372	205	294	< 5	< 0.5	10	46	3.35	310	< 1	5	< 2	34
50373	205	294	< 5	< 0.5	12	46	3.56	325	< 1	6	< 2	38
50374	205	294	< 5	< 0.5	10	32	3.40	270	1	5	< 2	28
50375	205	294	< 5	< 0.5	10	51	3.43	285	1	5	< 2	26
50376	205	294	< 5	< 0.5	15	72	4.33	1180	6	8	8	156
50377	205	294	< 5	< 0.5	13	41	4.05	985	2	6	6	110
50378	205	294	< 5	< 0.5	10	32	3.79	500	1	5	8	78
50379	205	294	< 5	< 0.5	10	39	3.70	560	1	4	6	84
50380	205	294	< 5	< 0.5	12	56	3.99	470	< 1	5	4	68
50381	205	294	< 5	< 0.5	11	38	4.08	490	1	5	4	62

CERTIFICATION: B. Cargl

Chemex Labs Ltd.

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

To: DAIWAN ENGINEERING LTD.
ATTN: PETER DASLER
1030 - 609 GRANVILLE ST.
VANCOUVER, BC
V7Y 1G5

Invoice Date: 10-OCT-90
Invoice No. : I-9024349
P.O. Number :

Project : WAN-90
Comments: ATTN: PETER DASLER CC: DAVID PAULIUK

CERTIFICATE OF ANALYSIS A9024349

SAMPLE DESCRIPTION	PREP CODE	Au ppb FA+AA	Ag ppm	Co ppm	Cu ppm	Fe %	Mn ppm	Mo ppm	Ni ppm	Pb ppm	Zn ppm
50382	205 294	< 5	< 0.5	10	32	3.86	515	2	5	< 2	58
50383	205 294	< 5	-----	-----	-----	-----	-----	-----	-----	-----	-----
50384	205 294	< 5	< 0.5	10	36	3.89	505	1	5	2	62
50385	205 294	< 5	-----	-----	-----	-----	-----	-----	-----	-----	-----
50386	205 294	< 5	< 0.5	9	34	3.61	525	1	4	6	56
50387	205 294	< 5	-----	-----	-----	-----	-----	-----	-----	-----	-----
50388	205 294	< 5	< 0.5	9	50	3.54	430	2	4	6	56
50389	205 294	< 5	-----	-----	-----	-----	-----	-----	-----	-----	-----
50390	205 294	< 5	< 0.5	9	53	3.26	555	1	4	2	80
50391	205 294	< 5	-----	-----	-----	-----	-----	-----	-----	-----	-----
50392	205 294	< 5	< 0.5	11	95	3.61	655	12	4	4	146
50393	205 294	< 5	-----	-----	-----	-----	-----	-----	-----	-----	-----
50394	205 294	< 5	< 0.5	9	57	3.62	395	3	3	< 2	44
50395	205 294	< 5	-----	-----	-----	-----	-----	-----	-----	-----	-----
50396	205 294	< 5	< 0.5	10	52	3.78	435	5	5	< 2	58
50397	205 294	< 5	-----	-----	-----	-----	-----	-----	-----	-----	-----
50398	205 294	< 5	< 0.5	8	41	4.35	410	2	3	2	66
50399	205 294	< 5	-----	-----	-----	-----	-----	-----	-----	-----	-----
50400	205 294	< 5	< 0.5	7	40	3.93	345	3	4	< 2	34
50401	205 294	< 5	-----	-----	-----	-----	-----	-----	-----	-----	-----
50402	205 294	< 5	< 0.5	7	31	3.47	450	2	4	4	62
50403	205 294	< 5	-----	-----	-----	-----	-----	-----	-----	-----	-----
50404	205 294	< 5	< 0.5	10	20	3.99	440	< 1	5	< 2	50
50405	205 294	< 5	-----	-----	-----	-----	-----	-----	-----	-----	-----
50406	205 294	< 5	< 0.5	7	23	2.76	310	1	3	< 2	26
50407	205 294	< 5	-----	-----	-----	-----	-----	-----	-----	-----	-----
50408	205 294	< 5	< 0.5	10	36	3.94	535	2	5	2	52
50409	205 294	< 5	-----	-----	-----	-----	-----	-----	-----	-----	-----
50410	205 294	< 5	< 0.5	10	54	4.26	555	2	4	4	114
50411	205 294	< 5	-----	-----	-----	-----	-----	-----	-----	-----	-----
50412	205 294	< 5	< 0.5	13	35	4.17	580	1	10	4	70
50413	205 294	< 5	-----	-----	-----	-----	-----	-----	-----	-----	-----
50414	205 294	< 5	< 0.5	14	167	4.41	780	1	10	24	138
50415	205 294	< 5	-----	-----	-----	-----	-----	-----	-----	-----	-----
50416	205 294	< 5	< 0.5	11	41	3.77	575	< 1	7	2	60
50417	205 294	< 5	-----	-----	-----	-----	-----	-----	-----	-----	-----
50418	205 294	< 5	< 0.5	13	101	4.68	860	1	9	< 2	76
50419	205 294	< 5	-----	-----	-----	-----	-----	-----	-----	-----	-----
50420	205 294	< 5	< 0.5	5	27	2.41	395	1	4	4	34
50421	205 294	< 5	-----	-----	-----	-----	-----	-----	-----	-----	-----

CERTIFICATION: Ian Bichler

Chemex Labs Ltd.

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

To: DAIWAN ENGINEERING LTD.
ATTN: PETER DASLER
1030 - 609 GRANVILLE ST.
VANCOUVER, BC
V7Y 1G5

Project : WAN-90
Comments: ATTN: PETER DASLER CC: DAVID PAULIUK

Invoice Date: 10-OCT-90
Invoice No. : I-9024349
P.O. Number :

CERTIFICATE OF ANALYSIS A9024349

SAMPLE DESCRIPTION	PREP CODE		Au ppb FA+AA	Ag ppm	Co ppm	Cu ppm	Fe %	Mn ppm	Mo ppm	Ni ppm	Pb ppm	Zn ppm
50422	205	294	< 5	0.5	4	32	1.84	505	< 1	2	2	72
50423	205	294	< 5	-----	-----	-----	-----	-----	-----	-----	-----	-----
50424	205	294	< 5	< 0.5	11	34	3.97	1385	< 1	3	< 2	176
50425	205	294	< 5	-----	-----	-----	-----	-----	-----	-----	-----	-----
50426	205	294	< 5	0.5	10	47	3.86	635	< 1	24	< 2	60

CERTIFICATION: Stewart Bichler

Chemex Labs Ltd.

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

To: DAIWAN ENGINEERING LTD.
ATTN: PETER DASLER
1030 - 609 GRANVILLE ST.
VANCOUVER, BC
V7Y 1G5

Project : WAN-90
Comments: ATTN: PETER DASLER

Invoice Date: 10-OCT-90
Invoice No. : I-9024350
P.O. Number :

CERTIFICATE OF ANALYSIS A9024350

SAMPLE DESCRIPTION	PREP CODE	Au ppb FA+AA	Ag ppm	Co ppm	Cu ppm	Fe %	Mn ppm	Mo ppm	Ni ppm	Pb ppm	Zn ppm
50427	205 294	< 5	< 0.5	10	39	4.12	605	1	4	< 2	70
50428	205 294	< 5	-----	-----	-----	-----	-----	-----	-----	-----	-----
50429	205 294	< 5	< 0.5	10	32	4.16	575	< 1	4	< 2	64
50430	205 294	< 5	-----	-----	-----	-----	-----	-----	-----	-----	-----
50431	205 294	< 5	0.5	5	33	2.56	320	1	3	< 2	22
50432	205 294	< 5	-----	-----	-----	-----	-----	-----	-----	-----	-----
50433	205 294	< 5	0.5	6	33	2.62	320	1	4	< 2	20
50434	205 294	< 5	-----	-----	-----	-----	-----	-----	-----	-----	-----
50435	205 294	< 5	0.5	5	27	1.79	255	< 1	2	2	18
50436	205 294	< 5	-----	-----	-----	-----	-----	-----	-----	-----	-----
50437	205 294	< 5	< 0.5	6	36	2.81	275	1	7	< 2	20
50438	205 294	< 5	-----	-----	-----	-----	-----	-----	-----	-----	-----
50439	205 294	< 5	0.5	7	38	3.49	295	1	9	< 2	20
50440	205 294	< 5	-----	-----	-----	-----	-----	-----	-----	-----	-----
50441	205 294	< 5	< 0.5	5	32	2.45	245	1	3	< 2	16
50442	205 294	< 5	-----	-----	-----	-----	-----	-----	-----	-----	-----
50443	205 294	< 5	0.5	5	30	2.46	250	1	2	< 2	16
50444	205 294	< 5	-----	-----	-----	-----	-----	-----	-----	-----	-----
50445	205 294	< 5	< 0.5	8	30	3.84	410	1	4	< 2	30
50446	205 294	< 5	-----	-----	-----	-----	-----	-----	-----	-----	-----
50447	205 294	< 5	< 0.5	6	15	2.88	300	< 1	2	< 2	26
50448	205 294	< 5	-----	-----	-----	-----	-----	-----	-----	-----	-----
50449	205 294	< 5	< 0.5	8	20	3.91	410	1	5	< 2	28
50450	205 294	< 5	-----	-----	-----	-----	-----	-----	-----	-----	-----
50451	205 294	< 5	< 0.5	9	14	4.30	370	1	5	2	24
50452	205 294	< 5	-----	-----	-----	-----	-----	-----	-----	-----	-----
50453	205 294	< 5	< 0.5	10	44	4.01	405	2	5	< 2	24
50454	205 294	< 5	-----	-----	-----	-----	-----	-----	-----	-----	-----
50455	205 294	< 5	< 0.5	10	39	4.06	425	1	6	< 2	30
50456	205 294	< 5	-----	-----	-----	-----	-----	-----	-----	-----	-----
50457	205 294	< 5	< 0.5	10	36	3.75	500	1	6	< 2	28
50458	205 294	< 5	-----	-----	-----	-----	-----	-----	-----	-----	-----
50459	205 294	< 5	0.5	9	41	3.75	440	1	4	< 2	22
50460	205 294	< 5	-----	-----	-----	-----	-----	-----	-----	-----	-----
50461	205 294	< 5	0.5	12	37	3.83	300	1	4	< 2	20
50462	205 294	< 5	-----	-----	-----	-----	-----	-----	-----	-----	-----
50463	205 294	< 5	< 0.5	9	43	3.84	445	< 1	5	< 2	24
50464	205 294	< 5	-----	-----	-----	-----	-----	-----	-----	-----	-----
50465	205 294	< 5	< 0.5	12	67	4.20	415	1	6	2	28

CERTIFICATION: B. Caughlin

Chemex Labs Ltd.

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

To: DAIWAN ENGINEERING LTD.
ATTN: PETER DASLER
1030 - 609 GRANVILLE ST.
VANCOUVER, BC
V7Y 1G5

Project : WAN-90
Comments: ATTN: PETER DASLER

Invoice Date: 10-OCT-90
Invoice No. : I-9024449
P.O. Number :

CERTIFICATE OF ANALYSIS A9024449

SAMPLE DESCRIPTION	PREP CODE	Au ppb FA+AA	Ag ppm	Co ppm	Cu ppm	Fe %	Mn ppm	Mo ppm	Ni ppm	Pb ppm	Zn ppm
50466	205 294	< 5	0.5	11	71	4.29	645	1	8	10	56
50467	205 294	< 5	-----	-----	-----	-----	-----	-----	-----	-----	-----
50468	205 294	< 5	< 0.5	11	42	4.18	465	2	8	2	26
50469	205 294	< 5	-----	-----	-----	-----	-----	-----	-----	-----	-----
50470	205 294	< 5	< 0.5	15	64	4.62	590	2	9	< 2	36
50471	205 294	< 5	-----	-----	-----	-----	-----	-----	-----	-----	-----
50472	205 294	< 5	< 0.5	11	58	4.09	505	2	6	6	38
50473	205 294	< 5	-----	-----	-----	-----	-----	-----	-----	-----	-----
50474	205 294	< 5	< 0.5	10	46	3.93	345	1	4	< 2	22
50475	205 294	< 5	-----	-----	-----	-----	-----	-----	-----	-----	-----
50476	205 294	< 5	< 0.5	9	40	3.40	445	1	2	2	36
50477	205 294	< 5	-----	-----	-----	-----	-----	-----	-----	-----	-----
50478	205 294	< 5	< 0.5	8	47	3.65	320	1	3	< 2	24
50479	205 294	< 5	-----	-----	-----	-----	-----	-----	-----	-----	-----
50480	205 294	< 5	< 0.5	7	34	3.32	310	1	3	< 2	22
50481	205 294	< 5	-----	-----	-----	-----	-----	-----	-----	-----	-----
50482	205 294	< 5	0.5	10	43	3.95	505	4	3	< 2	32
50483	205 294	< 5	-----	-----	-----	-----	-----	-----	-----	-----	-----
50484	205 294	< 5	< 0.5	9	28	3.33	425	1	4	< 2	28
50485	205 294	< 5	-----	-----	-----	-----	-----	-----	-----	-----	-----
50486	205 294	< 5	< 0.5	8	34	3.59	375	1	3	2	28

CERTIFICATION: B. Caplin

Chemex Labs Ltd.

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

To: DAIWAN ENGINEERING LTD.
ATTN: PETER DASLER
1030 - 609 GRANVILLE ST.
VANCOUVER, BC
V7Y 1G5

Project : WAN
Comments:

Invoice Date: 14-OCT-90
Invoice No. : I-9024577
P.O. Number :

CERTIFICATE OF ANALYSIS A9024577

SAMPLE DESCRIPTION	PREP CODE		Au ppb FA+AA	Ag ppm	Co ppm	Cu ppm	Fe %	Mn ppm	Mo ppm	Ni ppm	Pb ppm	Zn ppm
50487	205	294	< 5	< 0.5	9	29	3.63	485	3	4	8	48
50488	205	294	< 5	-----	-----	-----	-----	-----	-----	-----	-----	-----
50489	205	294	< 5	< 0.5	8	40	3.35	355	2	4	4	32
50490	205	294	< 5	-----	-----	-----	-----	-----	-----	-----	-----	-----
50491	205	294	< 5	< 0.5	9	27	3.43	330	2	3	4	24
50492	205	294	< 5	-----	-----	-----	-----	-----	-----	-----	-----	-----
50493	205	294	< 5	< 0.5	9	32	3.51	320	1	4	2	22
50494	205	294	< 5	-----	-----	-----	-----	-----	-----	-----	-----	-----
50495	205	294	< 5	< 0.5	9	32	3.39	355	1	3	4	26
50496	205	294	5	-----	-----	-----	-----	-----	-----	-----	-----	-----
50497	205	294	< 5	< 0.5	9	36	3.62	460	1	3	2	26
50498	205	294	< 5	-----	-----	-----	-----	-----	-----	-----	-----	-----
50499	205	294	< 5	< 0.5	10	48	4.17	605	2	5	2	38
50500	205	294	50	-----	-----	-----	-----	-----	-----	-----	-----	-----
50501	205	294	< 5	< 0.5	11	53	3.75	545	1	4	4	38
50502	205	294	10	-----	-----	-----	-----	-----	-----	-----	-----	-----
50503	205	294	5	< 0.5	8	24	4.64	790	1	13	6	86
50504	205	294	5	-----	-----	-----	-----	-----	-----	-----	-----	-----
50505	205	294	10	< 0.5	14	74	3.47	570	1	10	2	100
50506	205	294	< 5	-----	-----	-----	-----	-----	-----	-----	-----	-----
50507	205	294	5	< 0.5	15	79	3.74	555	1	12	2	80
50508	205	294	5	-----	-----	-----	-----	-----	-----	-----	-----	-----
50509	205	294	< 5	< 0.5	13	44	3.27	465	2	5	4	60
50510	205	294	< 5	-----	-----	-----	-----	-----	-----	-----	-----	-----
50511	205	294	10	< 0.5	15	56	4.68	850	5	5	8	98
50512	205	294	5	-----	-----	-----	-----	-----	-----	-----	-----	-----
50513	205	294	10	< 0.5	11	28	4.61	610	4	5	12	138
50514	205	294	< 5	-----	-----	-----	-----	-----	-----	-----	-----	-----
50515	205	294	< 5	< 0.5	14	60	4.57	675	4	8	4	82
50516	205	294	< 5	-----	-----	-----	-----	-----	-----	-----	-----	-----

CERTIFICATION: B. Caughlin

Chemex Labs Ltd.

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

To: DAIWAN ENGINEERING LTD.
ATTN: PETER DASLER
1030 - 609 GRANVILLE ST.
VANCOUVER, BC
V7Y 1G5

Project : WAN-9
Comments: ATTN:PETER DASLER

Invoice Date: 16-OCT-90
Invoice No. : I-9024633
P.O. Number :

CERTIFICATE OF ANALYSIS A9024633

SAMPLE DESCRIPTION	PREP CODE		Au ppb FA+AA	Ag ppm	Co ppm	Cu ppm	Fe %	Mn ppm	Mo ppm	Ni ppm	Pb ppm	Zn ppm
50517	205	294	10	< 0.5	7	26	4.82	730	3	5	< 2	48
50518	205	294	15	-----	-----	-----	-----	-----	-----	-----	-----	-----
50519	205	294	< 5	< 0.5	13	58	3.74	500	1	8	< 2	28
50520	205	294	< 5	-----	-----	-----	-----	-----	-----	-----	-----	-----
50521	205	294	< 5	< 0.5	6	55	3.68	455	3	10	2	36
50522	205	294	< 5	-----	-----	-----	-----	-----	-----	-----	-----	-----
50523	205	294	< 5	< 0.5	4	43	3.73	450	2	13	< 2	22
50524	205	294	< 5	-----	-----	-----	-----	-----	-----	-----	-----	-----
50525	205	294	< 5	< 0.5	7	36	3.60	535	2	10	< 2	28
50526	205	294	< 5	-----	-----	-----	-----	-----	-----	-----	-----	-----
50527	205	294	< 5	< 0.5	7	11	4.46	565	2	8	< 2	44
50528	205	294	< 5	-----	-----	-----	-----	-----	-----	-----	-----	-----
50529	205	294	< 5	< 0.5	7	7	4.24	495	1	7	< 2	48
50530	205	294	< 5	-----	-----	-----	-----	-----	-----	-----	-----	-----
50531	205	294	< 5	< 0.5	5	8	3.53	460	1	5	< 2	36
50532	205	294	< 5	-----	-----	-----	-----	-----	-----	-----	-----	-----
50533	205	294	< 5	< 0.5	8	86	4.19	750	3	3	< 2	44
50534	205	294	< 5	-----	-----	-----	-----	-----	-----	-----	-----	-----
50535	205	294	< 5	< 0.5	10	39	3.94	580	1	22	< 2	68
50536	205	294	< 5	-----	-----	-----	-----	-----	-----	-----	-----	-----
50537	205	294	< 5	< 0.5	12	7	3.71	370	1	8	< 2	38
50538	205	294	< 5	-----	-----	-----	-----	-----	-----	-----	-----	-----
50539	205	294	< 5	< 0.5	8	11	3.73	435	1	8	< 2	46

CERTIFICATION: Mark Vont

Chemex Labs Ltd.

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

To: DAIWAN ENGINEERING LTD.
ATTN: PETER DASLER
1030 - 609 GRANVILLE ST.
VANCOUVER, BC
V7Y 1G5

Project : WAN-10
Comments: ATTN: PETER DASLER

Invoice Date: 16-OCT-90
Invoice No. : I-9024714
P.O. Number :

CERTIFICATE OF ANALYSIS A9024714

SAMPLE DESCRIPTION	PREP CODE	Au ppb FA+AA	Ag ppm	Co ppm	Cu ppm	Fe %	Mn ppm	Mo ppm	Ni ppm	Pb ppm	Zn ppm
50540	205 294	< 5	< 0.5	7	21	3.65	430	1	7	4	84
50541	205 294	< 5	-----	-----	-----	-----	-----	-----	-----	-----	-----
50542	205 294	< 5	< 0.5	6	10	3.52	410	1	6	< 2	80
50543	205 294	< 5	-----	-----	-----	-----	-----	-----	-----	-----	-----
50544	205 294	< 5	< 0.5	7	21	3.08	495	1	6	4	56
50545	205 294	< 5	-----	-----	-----	-----	-----	-----	-----	-----	-----
50546	205 294	15	< 0.5	7	33	3.62	505	1	6	< 2	26
50547	205 294	< 5	-----	-----	-----	-----	-----	-----	-----	-----	-----
50548	205 294	< 5	< 0.5	6	5	3.30	490	1	8	2	22
50549	205 294	< 5	-----	-----	-----	-----	-----	-----	-----	-----	-----
50550	205 294	< 5	< 0.5	6	9	2.73	420	1	9	< 2	22
60151	205 294	10	-----	-----	-----	-----	-----	-----	-----	-----	-----
60152	205 294	< 5	< 0.5	9	27	4.44	485	1	54	2	16
60153	205 294	5	-----	-----	-----	-----	-----	-----	-----	-----	-----
60154	205 294	< 5	< 0.5	38	46	4.58	395	1	58	< 2	10
60155	205 294	10	-----	-----	-----	-----	-----	-----	-----	-----	-----
60156	205 294	10	< 0.5	14	52	4.55	450	1	16	2	14
60157	205 294	< 5	-----	-----	-----	-----	-----	-----	-----	-----	-----
60158	205 294	< 5	< 0.5	7	13	3.73	445	1	8	2	32
60159	205 294	< 5	-----	-----	-----	-----	-----	-----	-----	-----	-----
60160	205 294	< 5	< 0.5	13	44	4.44	415	1	16	< 2	18
60161	205 294	5	-----	-----	-----	-----	-----	-----	-----	-----	-----
60162	205 294	< 5	< 0.5	21	62	5.21	370	1	57	2	10
60163	205 294	< 5	-----	-----	-----	-----	-----	-----	-----	-----	-----
60164	205 294	< 5	< 0.5	18	65	4.24	380	1	41	2	14
60165	205 294	< 5	-----	-----	-----	-----	-----	-----	-----	-----	-----
60166	205 294	< 5	< 0.5	11	31	3.34	380	2	22	2	16
60167	205 294	< 5	-----	-----	-----	-----	-----	-----	-----	-----	-----
60168	205 294	< 5	< 0.5	11	50	4.54	435	1	10	2	22
60169	205 294	< 5	-----	-----	-----	-----	-----	-----	-----	-----	-----
60170	205 294	< 5	< 0.5	13	42	3.87	500	2	9	4	32
60171	205 294	< 5	-----	-----	-----	-----	-----	-----	-----	-----	-----
60172	205 294	< 5	< 0.5	18	68	3.48	535	1	9	6	48
60173	205 294	10	-----	-----	-----	-----	-----	-----	-----	-----	-----
60174	205 294	< 5	< 0.5	14	21	2.90	580	2	15	6	30

CERTIFICATION: B. Caplan

Chemex Labs Ltd.

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

To: DAIWAN ENGINEERING LTD.
ATTN: PETER DASLER
1030 - 609 GRANVILLE ST.
VANCOUVER, BC
V7Y 1G5

Project : WAN-11
Comments:

Invoice Date: 21-OCT-90
Invoice No. : I-9024989
P.O. Number :

CERTIFICATE OF ANALYSIS A9024989

SAMPLE DESCRIPTION	PREP CODE	Au ppb FA+AA	Ag ppm	Co ppm	Cu ppm	Fe %	Mn ppm	Mo ppm	Ni ppm	Pb ppm	Zn ppm
60175	205 294	< 5	< 0.5	13	36	4.93	580	< 1	6	< 2	24
60176	205 294	< 5	-----	-----	-----	-----	-----	-----	-----	-----	-----
60177	205 294	15	< 0.5	13	78	5.07	660	1	10	< 2	34
60178	205 294	< 5	-----	-----	-----	-----	-----	-----	-----	-----	-----
60179	205 294	< 5	< 0.5	11	36	4.45	810	< 1	13	< 2	40
60180	205 294	< 5	-----	-----	-----	-----	-----	-----	-----	-----	-----
60181	205 294	< 5	< 0.5	13	58	4.39	750	3	14	< 2	38
60182	205 294	< 5	-----	-----	-----	-----	-----	-----	-----	-----	-----
60183	205 294	10	< 0.5	12	51	4.01	450	< 1	15	< 2	34
60184	205 294	< 5	-----	-----	-----	-----	-----	-----	-----	-----	-----
60185	205 294	< 5	< 0.5	15	49	4.67	505	2	17	2	34
60186	205 294	< 5	-----	-----	-----	-----	-----	-----	-----	-----	-----
60187	205 294	< 5	< 0.5	14	29	4.14	425	< 1	15	< 2	26
60188	205 294	< 5	-----	-----	-----	-----	-----	-----	-----	-----	-----
60189	205 294	< 5	< 0.5	15	21	4.49	525	< 1	17	< 2	34
60190	205 294	< 5	-----	-----	-----	-----	-----	-----	-----	-----	-----
60191	205 294	< 5	< 0.5	14	52	4.30	470	1	16	< 2	32
60192	205 294	< 5	-----	-----	-----	-----	-----	-----	-----	-----	-----
60193	205 294	< 5	0.5	21	49	3.59	155	14	26	16	44
60194	205 294	< 5	-----	-----	-----	-----	-----	-----	-----	-----	-----
60195	205 294	< 5	< 0.5	11	44	3.98	325	2	6	12	50
60196	205 294	< 5	-----	-----	-----	-----	-----	-----	-----	-----	-----
60197	205 294	< 5	< 0.5	11	55	4.77	695	1	7	< 2	46
60198	205 294	< 5	-----	-----	-----	-----	-----	-----	-----	-----	-----
60199	205 294	< 5	< 0.5	12	57	4.49	525	1	9	< 2	30
60200	205 294	< 5	-----	-----	-----	-----	-----	-----	-----	-----	-----
60201	205 294	< 5	< 0.5	11	59	4.33	335	1	8	< 2	24
60202	205 294	< 5	-----	-----	-----	-----	-----	-----	-----	-----	-----
60203	205 294	< 5	< 0.5	12	84	3.65	360	3	5	< 2	34
60204	205 294	5	-----	-----	-----	-----	-----	-----	-----	-----	-----
60205	205 294	< 5	< 0.5	10	25	3.99	545	1	5	2	34
60206	205 294	< 5	-----	-----	-----	-----	-----	-----	-----	-----	-----
60207	205 294	< 5	< 0.5	11	57	4.12	765	< 1	4	< 2	64
60208	205 294	< 5	-----	-----	-----	-----	-----	-----	-----	-----	-----
60209	205 294	5	< 0.5	14	27	3.96	735	< 1	4	< 2	62
60210	205 294	< 5	-----	-----	-----	-----	-----	-----	-----	-----	-----
60211	205 294	< 5	< 0.5	11	64	4.06	665	< 1	2	< 2	44
60212	205 294	< 5	-----	-----	-----	-----	-----	-----	-----	-----	-----
60213	205 294	< 5	< 0.5	13	25	3.66	820	< 1	4	< 2	72
60214	205 294	< 5	-----	-----	-----	-----	-----	-----	-----	-----	-----

CERTIFICATION: B. Caglioni

Chemex Labs Ltd.

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

To: DAIWAN ENGINEERING LTD.
ATTN: PETER DASLER
1030 - 609 GRANVILLE ST.
VANCOUVER, BC
V7Y 1G5

Project : WAN-11
Comments:

Invoice Date: 21-OCT-90
Invoice No. : I-9024989
P.O. Number :

CERTIFICATE OF ANALYSIS A9024989

SAMPLE DESCRIPTION	PREP CODE	Au ppb FA+AA	Ag ppm	Co ppm	Cu ppm	Fe %	Mn ppm	Mo ppm	Ni ppm	Pb ppm	Zn ppm
60215	205 294	< 5	< 0.5	12	36	4.78	910	< 1	7	2	74
60216	205 294	< 5	-----	-----	-----	-----	-----	-----	-----	-----	-----
60217	205 294	< 5	< 0.5	14	53	4.60	805	1	4	2	80
60218	205 294	< 5	-----	-----	-----	-----	-----	-----	-----	-----	-----
60219	205 294	< 5	< 0.5	11	32	2.91	605	1	14	4	70
60220	205 294	< 5	-----	-----	-----	-----	-----	-----	-----	-----	-----
60221	205 294	< 5	< 0.5	10	19	4.49	635	< 1	4	< 2	44
60222	205 294	< 5	-----	-----	-----	-----	-----	-----	-----	-----	-----
60223	205 294	< 5	< 0.5	10	10	4.33	545	< 1	3	< 2	34
60224	205 294	5	-----	-----	-----	-----	-----	-----	-----	-----	-----
60225	205 294	< 5	< 0.5	10	17	4.71	635	1	4	< 2	36
60226	205 294	< 5	-----	-----	-----	-----	-----	-----	-----	-----	-----
60227	205 294	10	< 0.5	11	18	5.11	525	< 1	4	< 2	34
60228	205 294	< 5	-----	-----	-----	-----	-----	-----	-----	-----	-----
60229	205 294	< 5	< 0.5	9	17	4.62	490	< 1	5	< 2	42
60230	205 294	< 5	-----	-----	-----	-----	-----	-----	-----	-----	-----

CERTIFICATION: B. Caglioni

Chemex Labs Ltd.

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

To: DAIWAN ENGINEERING LTD.
ATTN: PETER DASLER
1030 - 609 GRANVILLE ST.
VANCOUVER, BC
V7Y 1G5

Project : WAN-12
Comments:

Invoice Date: 21-OCT-90
Invoice No. : I-9024990
P.O. Number :

CERTIFICATE OF ANALYSIS A9024990

SAMPLE DESCRIPTION	PREP CODE	Au ppb FA+AA	Ag ppm	Co ppm	Cu ppm	Fe %	Mn ppm	Mo ppm	Ni ppm	Pb ppm	Zn ppm
60231	205 294	< 5	< 0.5	23	25	4.05	865	< 1	43	4	92
60232	205 294	< 5	-----	-----	-----	-----	-----	-----	-----	-----	-----
60233	205 294	< 5	< 0.5	22	18	3.52	800	< 1	50	< 2	58
60234	205 294	< 5	-----	-----	-----	-----	-----	-----	-----	-----	-----
60235	205 294	< 5	< 0.5	21	98	2.72	645	< 1	49	< 2	40
60236	205 294	< 5	-----	-----	-----	-----	-----	-----	-----	-----	-----
60237	205 294	< 5	< 0.5	20	77	2.53	710	< 1	40	6	68
60238	205 294	< 5	-----	-----	-----	-----	-----	-----	-----	-----	-----
60239	205 294	< 5	< 0.5	21	93	2.21	445	< 1	42	18	92
60240	205 294	< 5	-----	-----	-----	-----	-----	-----	-----	-----	-----
60241	205 294	< 5	< 0.5	21	58	3.35	670	< 1	37	8	92
60242	205 294	< 5	-----	-----	-----	-----	-----	-----	-----	-----	-----
60243	205 294	< 5	< 0.5	17	158	3.46	575	< 1	34	2	76
60244	205 294	< 5	-----	-----	-----	-----	-----	-----	-----	-----	-----
60245	205 294	< 5	< 0.5	16	71	2.51	495	< 1	23	< 2	64
60246	205 294	< 5	-----	-----	-----	-----	-----	-----	-----	-----	-----
60247	205 294	< 5	< 0.5	14	117	4.18	540	< 1	20	< 2	70
60248	205 294	< 5	-----	-----	-----	-----	-----	-----	-----	-----	-----
60249	205 294	< 5	< 0.5	16	26	4.73	590	< 1	17	< 2	48
60250	205 294	< 5	-----	-----	-----	-----	-----	-----	-----	-----	-----
60251	205 294	< 5	< 0.5	14	23	4.33	570	< 1	15	< 2	54
60252	205 294	< 5	-----	-----	-----	-----	-----	-----	-----	-----	-----
60253	205 294	< 5	< 0.5	17	71	4.87	545	< 1	18	< 2	66
60254	205 294	< 5	-----	-----	-----	-----	-----	-----	-----	-----	-----
60255	205 294	< 5	< 0.5	17	65	4.84	565	1	17	< 2	64
60256	205 294	< 5	-----	-----	-----	-----	-----	-----	-----	-----	-----
60257	205 294	< 5	< 0.5	18	5	4.36	570	< 1	18	< 2	66
60258	205 294	< 5	-----	-----	-----	-----	-----	-----	-----	-----	-----
60259	205 294	< 5	< 0.5	19	6	4.43	565	< 1	17	< 2	62
60260	205 294	< 5	-----	-----	-----	-----	-----	-----	-----	-----	-----
60261	205 294	< 5	< 0.5	16	5	4.22	545	< 1	15	< 2	60
60262	205 294	< 5	-----	-----	-----	-----	-----	-----	-----	-----	-----
60263	205 294	< 5	< 0.5	16	2	4.27	600	< 1	15	< 2	66
60264	205 294	< 5	-----	-----	-----	-----	-----	-----	-----	-----	-----
60265	205 294	< 5	< 0.5	17	11	4.55	590	< 1	17	< 2	66
60266	205 294	< 5	-----	-----	-----	-----	-----	-----	-----	-----	-----
60267	205 294	< 5	< 0.5	18	23	5.01	705	< 1	19	< 2	74

CERTIFICATION: B. Caughlin

Chemex Labs Ltd.

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

To: DAIWAN ENGINEERING LTD.
ATTN: PETER DASLER
1030 - 609 GRANVILLE ST.
VANCOUVER, BC
V7Y 1G5

Project : WAN-13
Comments:

Invoice Date: 21-OCT-90
Invoice No. : I-9025082
P.O. Number :

CERTIFICATE OF ANALYSIS A9025082

SAMPLE DESCRIPTION	PREP CODE	Au ppb FA+AA	Ag ppm	Co ppm	Cu ppm	Fe %	Mn ppm	Mo ppm	Ni ppm	Pb ppm	Zn ppm
60268	205 294	< 5	< 0.5	22	81	5.27	1035	1	21	8	98
60269	205 294	< 5	-----	-----	-----	-----	-----	-----	-----	-----	-----
60270	205 294	< 5	< 0.5	20	44	4.82	530	< 1	34	< 2	56
60271	205 294	< 5	-----	-----	-----	-----	-----	-----	-----	-----	-----
60272	205 294	< 5	< 0.5	19	55	5.00	565	< 1	32	< 2	62
60273	205 294	< 5	-----	-----	-----	-----	-----	-----	-----	-----	-----
60274	205 294	< 5	< 0.5	20	75	4.89	630	< 1	34	< 2	90
60275	205 294	< 5	-----	-----	-----	-----	-----	-----	-----	-----	-----
60276	205 294	35	0.5	21	54	4.86	1090	5	11	8	88
60277	205 294	20	-----	-----	-----	-----	-----	-----	-----	-----	-----
60278	205 294	< 5	< 0.5	20	57	4.92	1210	2	11	< 2	70
60279	205 294	< 5	-----	-----	-----	-----	-----	-----	-----	-----	-----
60280	205 294	< 5	< 0.5	17	50	3.98	800	1	16	4	74
60281	205 294	< 5	-----	-----	-----	-----	-----	-----	-----	-----	-----
60282	205 294	< 5	< 0.5	18	44	4.18	1020	2	18	< 2	66
60283	205 294	< 5	-----	-----	-----	-----	-----	-----	-----	-----	-----
60284	205 294	< 5	< 0.5	15	16	3.88	1005	2	15	< 2	68
60285	205 294	10	-----	-----	-----	-----	-----	-----	-----	-----	-----
60286	205 294	10	< 0.5	15	53	3.42	975	2	12	< 2	72
60287	205 294	< 5	-----	-----	-----	-----	-----	-----	-----	-----	-----
60288	205 294	< 5	< 0.5	16	57	3.88	1070	2	18	20	112
60289	205 294	< 5	-----	-----	-----	-----	-----	-----	-----	-----	-----
60290	205 294	< 5	< 0.5	17	31	4.13	1135	1	15	< 2	80
60291	205 294	< 5	-----	-----	-----	-----	-----	-----	-----	-----	-----
60292	205 294	30	0.5	17	30	4.00	1035	1	15	28	120
60293	205 294	< 5	-----	-----	-----	-----	-----	-----	-----	-----	-----
60294	205 294	< 5	0.5	19	78	4.21	1110	2	18	< 2	70
60295	205 294	10	-----	-----	-----	-----	-----	-----	-----	-----	-----

CERTIFICATION: B. Caughlin

Chemex Labs Ltd.

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

To: DAIWAN ENGINEERING LTD.
ATTN: PETER DASLER
1030 - 609 GRANVILLE ST.
VANCOUVER, BC
V7Y 1G5

Project : WAN-14
Comments:

Invoice Date: 23-OCT-90
Invoice No. : I-9025189
P.O. Number :

CERTIFICATE OF ANALYSIS A9025189

SAMPLE DESCRIPTION	PREP CODE	Au ppb FA+AA	Ag ppm	Co ppm	Cu ppm	Fe %	Mn ppm	Mo ppm	Ni ppm	Pb ppm	Zn ppm
60296	205 294	10	< 0.5	17	64	5.06	325	< 1	46	4	26
60297	205 294	10	-----	-----	-----	-----	-----	-----	-----	-----	-----
60298	205 294	10	< 0.5	22	91	6.15	235	1	43	< 2	20
60299	205 294	15	-----	-----	-----	-----	-----	-----	-----	-----	-----
60300	205 294	< 5	< 0.5	27	69	5.81	250	1	43	2	20
60301	205 294	5	-----	-----	-----	-----	-----	-----	-----	-----	-----
60302	205 294	< 5	< 0.5	5	5	2.48	85	2	6	< 2	10
60303	205 294	< 5	-----	-----	-----	-----	-----	-----	-----	-----	-----
60304	205 294	< 5	< 0.5	3	3	2.28	20	2	2	2	14
60305	205 294	< 5	-----	-----	-----	-----	-----	-----	-----	-----	-----
60306	205 294	< 5	< 0.5	4	24	2.54	15	2	3	10	822
60307	205 294	< 5	-----	-----	-----	-----	-----	-----	-----	-----	-----
60308	205 294	5	< 0.5	8	23	3.72	90	2	10	8	256
60309	205 294	< 5	-----	-----	-----	-----	-----	-----	-----	-----	-----
60310	205 294	5	< 0.5	6	7	2.59	150	5	6	6	36
60311	205 294	< 5	-----	-----	-----	-----	-----	-----	-----	-----	-----
60312	205 294	< 5	< 0.5	7	94	3.51	40	3	5	6	228
60313	205 294	5	-----	-----	-----	-----	-----	-----	-----	-----	-----
60314	205 294	< 5	< 0.5	8	7	3.24	55	6	7	4	20
60315	205 294	< 5	-----	-----	-----	-----	-----	-----	-----	-----	-----
60316	205 294	< 5	< 0.5	6	8	2.89	90	3	7	10	72
60317	205 294	< 5	-----	-----	-----	-----	-----	-----	-----	-----	-----
60318	205 294	< 5	< 0.5	12	7	4.74	80	13	20	2	34
60319	205 294	5	-----	-----	-----	-----	-----	-----	-----	-----	-----
60320	205 294	< 5	< 0.5	9	4	4.02	75	6	14	4	24
60321	205 294	< 5	-----	-----	-----	-----	-----	-----	-----	-----	-----
60322	205 294	5	< 0.5	9	22	3.76	75	7	15	2	18
60323	205 294	< 5	-----	-----	-----	-----	-----	-----	-----	-----	-----
60324	205 294	< 5	< 0.5	6	17	3.08	90	4	8	2	18
60325	205 294	< 5	-----	-----	-----	-----	-----	-----	-----	-----	-----
60326	205 294	< 5	< 0.5	4	429	4.19	45	8	6	4	12
60327	205 294	< 5	-----	-----	-----	-----	-----	-----	-----	-----	-----
60328	205 294	5	< 0.5	7	36	4.38	25	30	7	6	6
60329	205 294	< 5	-----	-----	-----	-----	-----	-----	-----	-----	-----
60330	205 294	< 5	< 0.5	5	14	3.07	30	50	4	2	4
60331	205 294	< 5	-----	-----	-----	-----	-----	-----	-----	-----	-----
60332	205 294	< 5	< 0.5	4	11	2.12	200	3	3	2	14
60333	205 294	< 5	-----	-----	-----	-----	-----	-----	-----	-----	-----
60334	205 294	5	< 0.5	4	19	2.05	265	3	2	4	24
60335	205 294	5	-----	-----	-----	-----	-----	-----	-----	-----	-----

CERTIFICATION: B. Caughlin

Chemex Labs Ltd.

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

To: DAIWAN ENGINEERING LTD.
ATTN: PETER DASLER
1030 - 609 GRANVILLE ST.
VANCOUVER, BC
V7Y 1G5

Project : WAN-14
Comments:

Invoice Date: 23-OCT-90
Invoice No. : I-9025189
P.O. Number :

CERTIFICATE OF ANALYSIS A9025189

SAMPLE DESCRIPTION	PREP CODE		Au ppb FA+AA	Ag ppm	Co ppm	Cu ppm	Fe %	Mn ppm	Mo ppm	Ni ppm	Pb ppm	Zn ppm
60336	205	294	10	< 0.5	4	34	2.53	150	8	3	4	48
60337	205	294	< 5	-----	-----	-----	-----	-----	-----	-----	-----	-----
60338	205	294	< 5	< 0.5	3	21	1.80	160	1	2	2	30

CERTIFICATION: B. Caughlin

Chemex Labs Ltd.

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

To: DAIWAN ENGINEERING LTD.
ATTN: PETER DASLER
1030 - 609 GRANVILLE ST.
VANCOUVER, BC
V7Y 1G5

Project : WAN 15
Comments: ATTN: PETER DASLER

Invoice Date: 29-OCT-90
Invoice No. : I-9025495
P.O. Number :

CERTIFICATE OF ANALYSIS A9025495

SAMPLE DESCRIPTION	PREP CODE	Au ppb FA+AA	Ag ppm	Co ppm	Cu ppm	Fe %	Mn ppm	Mo ppm	Ni ppm	Pb ppm	Zn ppm
60339	205 294	< 5	< 0.5	3	12	1.43	155	< 1	1	< 2	34
60340	205 294	< 5	-----	-----	-----	-----	-----	-----	-----	-----	-----
60341	205 294	< 5	< 0.5	5	7	2.63	190	2	2	6	68
60342	205 294	< 5	-----	-----	-----	-----	-----	-----	-----	-----	-----
60343	205 294	< 5	< 0.5	4	10	2.19	235	3	2	2	44
60344	205 294	< 5	-----	-----	-----	-----	-----	-----	-----	-----	-----
60345	205 294	< 5	< 0.5	12	56	3.97	200	1	8	2	22
60346	205 294	< 5	-----	-----	-----	-----	-----	-----	-----	-----	-----
60347	205 294	< 5	< 0.5	9	43	3.09	305	3	11	2	38
60348	205 294	< 5	-----	-----	-----	-----	-----	-----	-----	-----	-----
60349	205 294	< 5	< 0.5	6	57	2.29	175	5	5	4	22
60350	205 294	< 5	-----	-----	-----	-----	-----	-----	-----	-----	-----
60351	205 294	< 5	< 0.5	11	47	3.74	230	1	7	< 2	22
60352	205 294	< 5	-----	-----	-----	-----	-----	-----	-----	-----	-----
60353	205 294	< 5	< 0.5	10	78	3.74	260	1	13	2	22
60354	205 294	< 5	-----	-----	-----	-----	-----	-----	-----	-----	-----
60355	205 294	< 5	< 0.5	11	55	3.82	410	3	7	6	22
60356	205 294	< 5	-----	-----	-----	-----	-----	-----	-----	-----	-----
60357	205 294	< 5	< 0.5	11	52	4.28	520	1	5	4	58
60358	205 294	< 5	-----	-----	-----	-----	-----	-----	-----	-----	-----
60359	205 294	< 5	< 0.5	10	51	3.61	300	1	5	4	36
60360	205 294	< 5	-----	-----	-----	-----	-----	-----	-----	-----	-----
60361	205 294	< 5	< 0.5	12	34	4.07	515	< 1	6	4	48
60362	205 294	< 5	-----	-----	-----	-----	-----	-----	-----	-----	-----
60363	205 294	< 5	< 0.5	14	77	4.24	565	1	11	6	46
60364	205 294	< 5	-----	-----	-----	-----	-----	-----	-----	-----	-----

CERTIFICATION: B. Caughlin

Chemex Labs Ltd.

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

To: DAIWAN ENGINEERING LTD.
ATTN: PETER DASLER
1030 - 609 GRANVILLE ST.
VANCOUVER, BC
V7Y 1G5

Project : WAN 16
Comments:

Invoice Date: 1-NOV-90
Invoice No. : I-9025812
P.O. Number :

CERTIFICATE OF ANALYSIS A9025812

SAMPLE DESCRIPTION	PREP CODE	Au ppb FA+AA	Ag ppm	Co ppm	Cu ppm	Fe %	Mn ppm	Mo ppm	Ni ppm	Pb ppm	Zn ppm
60365	205 294	< 5	< 0.5	18	111	4.31	635	< 1	18	12	74
60366	205 294	< 5	-----	-----	-----	-----	-----	-----	-----	-----	-----
60367	205 294	< 5	< 0.5	21	52	4.70	450	< 1	16	4	56
60368	205 294	< 5	-----	-----	-----	-----	-----	-----	-----	-----	-----
60369	205 294	< 5	< 0.5	17	130	5.38	940	< 1	18	10	82
60370	205 294	< 5	-----	-----	-----	-----	-----	-----	-----	-----	-----
60371	205 294	< 5	< 0.5	10	47	4.64	610	< 1	4	8	70
60372	205 294	< 5	-----	-----	-----	-----	-----	-----	-----	-----	-----
60373	205 294	< 5	< 0.5	13	91	4.43	650	1	6	8	84
60374	205 294	< 5	-----	-----	-----	-----	-----	-----	-----	-----	-----
60375	205 294	< 5	< 0.5	12	114	4.24	890	< 1	11	6	84
60376	205 294	< 5	-----	-----	-----	-----	-----	-----	-----	-----	-----
60377	205 294	< 5	< 0.5	13	52	4.80	840	< 1	11	4	64
60378	205 294	< 5	-----	-----	-----	-----	-----	-----	-----	-----	-----
60379	205 294	< 5	< 0.5	18	94	4.89	755	< 1	15	10	60
60380	205 294	< 5	-----	-----	-----	-----	-----	-----	-----	-----	-----
60381	205 294	< 5	< 0.5	8	33	3.08	445	< 1	6	10	44
60382	205 294	< 5	-----	-----	-----	-----	-----	-----	-----	-----	-----
60383	205 294	< 5	< 0.5	11	65	3.37	480	< 1	10	6	64
60384	205 294	< 5	-----	-----	-----	-----	-----	-----	-----	-----	-----
60385	205 294	< 5	< 0.5	12	63	3.52	505	< 1	10	6	66
60386	205 294	< 5	-----	-----	-----	-----	-----	-----	-----	-----	-----
60387	205 294	< 5	< 0.5	7	41	2.49	485	1	4	14	60
60388	205 294	< 5	-----	-----	-----	-----	-----	-----	-----	-----	-----
60389	205 294	< 5	< 0.5	12	83	3.61	820	< 1	10	10	84
60390	205 294	< 5	-----	-----	-----	-----	-----	-----	-----	-----	-----
60391	205 294	< 5	< 0.5	9	44	3.25	450	< 1	6	2	50
60392	205 294	< 5	-----	-----	-----	-----	-----	-----	-----	-----	-----
60393	205 294	< 5	< 0.5	11	45	3.62	515	< 1	7	4	54
60394	205 294	< 5	-----	-----	-----	-----	-----	-----	-----	-----	-----
60395	205 294	< 5	< 0.5	8	39	3.37	425	< 1	5	8	52
60396	205 294	< 5	-----	-----	-----	-----	-----	-----	-----	-----	-----
60397	205 294	< 5	< 0.5	9	43	3.13	385	< 1	7	6	38
60398	205 294	< 5	-----	-----	-----	-----	-----	-----	-----	-----	-----
60399	205 294	< 5	< 0.5	10	53	3.33	345	1	5	6	36
60400	205 294	< 5	-----	-----	-----	-----	-----	-----	-----	-----	-----

CERTIFICATION: B. Caufield

Chemex Labs Ltd.

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

To: DAIWAN ENGINEERING LTD.
ATTN: PETER DASLER
1030 - 609 GRANVILLE ST.
VANCOUVER, BC
V7Y 1G5

Project : WAN 17
Comments:

Invoice Date: 5-NOV-90
Invoice No. : I-9025821
P.O. Number :

CERTIFICATE OF ANALYSIS A9025821

SAMPLE DESCRIPTION	PREP CODE		Au ppb FA+AA	Ag ppm	Co ppm	Cu ppm	Fe %	Mn ppm	Mo ppm	Ni ppm	Pb ppm	Zn ppm
60501	205	294	< 5	< 0.5	15	54	4.18	590	1	7	36	78
60502	205	294	15	-----	-----	-----	-----	-----	-----	-----	-----	-----
60503	205	294	5	< 0.5	14	35	4.03	435	1	12	12	56
60504	205	294	5	-----	-----	-----	-----	-----	-----	-----	-----	-----
60505	205	294	10	< 0.5	11	34	2.85	450	< 1	4	8	38
60506	205	294	< 5	-----	-----	-----	-----	-----	-----	-----	-----	-----
60507	205	294	< 5	< 0.5	6	19	2.55	325	< 1	3	6	34
60508	205	294	< 5	-----	-----	-----	-----	-----	-----	-----	-----	-----
60509	205	294	< 5	< 0.5	11	61	3.29	365	< 1	7	6	40
60510	205	294	< 5	-----	-----	-----	-----	-----	-----	-----	-----	-----
60511	205	294	< 5	< 0.5	9	35	3.24	380	1	6	8	44
60512	205	294	< 5	-----	-----	-----	-----	-----	-----	-----	-----	-----
60513	205	294	< 5	< 0.5	12	66	3.41	410	1	6	4	32
60514	205	294	< 5	-----	-----	-----	-----	-----	-----	-----	-----	-----
60515	205	294	< 5	< 0.5	11	57	3.23	475	< 1	6	4	44
60516	205	294	< 5	-----	-----	-----	-----	-----	-----	-----	-----	-----
60517	205	294	10	< 0.5	24	109	5.26	900	< 1	23	14	80
60518	205	294	10	-----	-----	-----	-----	-----	-----	-----	-----	-----
60519	205	294	< 5	< 0.5	13	35	3.24	490	< 1	8	6	40
60520	205	294	< 5	-----	-----	-----	-----	-----	-----	-----	-----	-----
60521	205	294	< 5	< 0.5	19	55	4.35	390	1	21	16	58
60522	205	294	< 5	-----	-----	-----	-----	-----	-----	-----	-----	-----
60523	205	294	< 5	< 0.5	13	33	4.95	260	< 1	10	4	32
60524	205	294	10	-----	-----	-----	-----	-----	-----	-----	-----	-----
60525	205	294	< 5	< 0.5	21	62	5.33	655	18	22	14	124
60526	205	294	< 5	-----	-----	-----	-----	-----	-----	-----	-----	-----
60527	205	294	< 5	< 0.5	22	117	4.40	565	3	13	4	60
60528	205	294	< 5	-----	-----	-----	-----	-----	-----	-----	-----	-----

CERTIFICATION: B. Caglioni

Chemex Labs Ltd.

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

To: DAIWAN ENGINEERING LTD.
ATTN: PETER DASLER
1030 - 609 GRANVILLE ST.
VANCOUVER, BC
V7Y 1G5

Project : WAN 18
Comments:

Invoice Date: 5-NOV-90
Invoice No. : I-9025822
P.O. Number :

CERTIFICATE OF ANALYSIS A9025822

SAMPLE DESCRIPTION	PREP CODE		Au ppb FA+AA	Ag ppm	Co ppm	Cu ppm	Fe %	Mn ppm	Mo ppm	Ni ppm	Pb ppm	Zn ppm
60529	205	294	< 5	< 0.5	23	60	4.63	565	< 1	12	6	46
60530	205	294	< 5	-----	-----	-----	-----	-----	-----	-----	-----	-----
60531	205	294	< 5	< 0.5	22	102	4.64	1080	< 1	16	8	64
60532	205	294	< 5	-----	-----	-----	-----	-----	-----	-----	-----	-----
60533	205	294	< 5	< 0.5	21	57	4.39	550	1	15	28	84
60534	205	294	< 5	-----	-----	-----	-----	-----	-----	-----	-----	-----
60535	205	294	< 5	< 0.5	18	60	4.24	770	< 1	9	18	84
60536	205	294	< 5	-----	-----	-----	-----	-----	-----	-----	-----	-----
60537	205	294	< 5	< 0.5	15	56	4.63	765	< 1	4	28	68
60538	205	294	< 5	-----	-----	-----	-----	-----	-----	-----	-----	-----
60539	205	294	< 5	< 0.5	23	126	4.13	755	2	13	18	90
60540	205	294	< 5	-----	-----	-----	-----	-----	-----	-----	-----	-----
60541	205	294	< 5	< 0.5	20	246	4.55	670	1	14	26	104
60542	205	294	< 5	-----	-----	-----	-----	-----	-----	-----	-----	-----
60543	205	294	< 5	< 0.5	15	139	3.69	720	< 1	8	26	120

CERTIFICATION: B. Caughlin

Chemex Labs Ltd.

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

To: DAIWAN ENGINEERING LTD.
ATTN: PETER DASLER
1030 - 609 GRANVILLE ST.
VANCOUVER, BC
V7Y 1G5

Project : WAN
Comments: CC: DAVID PAWLIUK

Invoice Date: 18-OCT-90
Invoice No. : I-9025093
P.O. Number :

CERTIFICATE OF ANALYSIS A9025093

SAMPLE DESCRIPTION	PREP CODE		Ag ppm	Co ppm	Cu ppm	Fe %	Mn ppm	Mo ppm	Ni ppm	Pb ppm	Zn ppm	
50500	214	238	< 0.5	10	79	4.09	560	1	4	< 2	34	

CERTIFICATION:

Chemex Labs Ltd.

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

To: DAIWAN ENGINEERING LTD.
ATTN: PETER DASLER
1030 - 609 GRANVILLE ST.
VANCOUVER, BC
V7Y 1G5

Project : WAN-13
Comments:

Invoice Date: 07-NOV-90
Invoice No. : I-9026093
P.O. Number :

CERTIFICATE OF ANALYSIS A9026093

SAMPLE DESCRIPTION	PREP CODE		Ag ppm	Co ppm	Cu ppm	Fe %	Mn ppm	Mo ppm	Ni ppm	Pb ppm	Zn ppm	
60277	214	238	< 0.5	32	68	6.79	1320	6	13	2	70	
60279	214	238	< 0.5	23	76	4.27	820	< 1	18	92	198	
60281	214	238	< 0.5	23	56	4.36	920	1	23	10	90	
60283	214	238	< 0.5	22	14	4.02	935	< 1	19	< 2	74	
60285	214	238	< 0.5	23	121	5.05	1120	4	18	< 2	74	
60287	214	238	< 0.5	19	32	3.56	1080	< 1	15	< 2	70	
60289	214	238	< 0.5	20	26	4.04	990	< 1	14	< 2	68	
60291	214	238	< 0.5	19	6	3.50	900	1	16	2	64	
60293	214	238	< 0.5	25	19	4.68	1125	1	25	< 2	74	
60295	214	238	< 0.5	24	30	4.05	1780	3	21	< 2	62	

CERTIFICATION: B. Caplan

Chemex Labs Ltd.

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

To: DAIWAN ENGINEERING LTD.
ATTN: PETER DASLER
1030 - 609 GRANVILLE ST.
VANCOUVER, BC
V7Y 1G5

Project : WAN-14
Comments:

Invoice Date: 07-NOV-90
Invoice No. : I-9026094
P.O. Number :

CERTIFICATE OF ANALYSIS A9026094

SAMPLE DESCRIPTION	PREP CODE		Ag ppm	Co ppm	Cu ppm	Fe %	Mn ppm	Mo ppm	Ni ppm	Pb ppm	Zn ppm	
60325	214	238	< 0.5	9	7	3.50	80	5	10	2	18	
60327	214	238	< 0.5	8	24	2.97	155	1	3	2	16	
60329	214	238	< 0.5	6	26	2.35	360	10	2	2	30	
60331	214	238	< 0.5	5	5	1.91	50	14	2	< 2	6	

CERTIFICATION: B. Caughlin

HOLE NO.: WAN-C | PROJECT: WAN 90 | PAGE NO.: 1 OF 9

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: SEPT 30 | REF. TO CLAIM CORNER:

COORDINATES: N. E. | DATE FINISHED: OCT 2 | SCALE: 1" = 10 feet

INCLINATION: -90° | BEARING: — | TOTAL DEPTH: 500' | LOGGED BY: GARY SUTTON

SECTION	ALTERATION: PROPYLITIC	ALTERATION: PYROPHYLLITE	ALTERATION: SILICA	ALTERATION: SERICITE	FRACTURING	MINERAL	GEOLOGY	DESCRIPTIVE GEOLOGY	% SULPHIDES	DRILLING INTERVAL	HOLE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED % Cu
0								0-8 OVERBURDEN 8-10 NOT SAMPLED		0		0		
10	W		I			Py Mg Lm Ep Z		Contaminated with float - Intensely silicified andesite with 1-2% pyrite, 1% magnetite, 0.5% limonite, minor epidote, trace zeolites. Some intensely oxidized parts. Very weak potassic alteration - Diabase dyke	1.5	10		10 50453		<.1
20	W		I			Py Mg Ep Lm		SILICEOUS ANDESITE 1-2% pyrite, 1% magnetite, minor epidote, trace limonite Very weak potassic alteration	1.5	20		20 50454		<.1
30	W		I			Py Mg Ep Lm		SILICEOUS ANDESITE 1-2% pyrite, 1% magnetite, 0.5% epidote, minor limonite Weak potassic alteration	1.5	30		30 50455		<.1
40	W		I			Py Mg Ep Lm		SILICEOUS ANDESITE 1% pyrite, 1% magnetite, 0.5% epidote, trace limonite Very weak potassic alteration	1	40		40 50456		<.1
50	W		I			Mg Py Ep Lm		SILICEOUS ANDESITE 1-2% magnetite, 1% pyrite, minor epidote, trace limonite Very weak potassic alteration	1	50		50 50457		<.1
60										60		60		

HOLE NO.: WAN-C | PROJECT: WAN 90 | PAGE NO.: 2 OF 9

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: SEPT 30 | REF. TO CLAIM CORNER:

COORDINATES: N. E. | DATE FINISHED: OCT 2 | SCALE: 1" = 10 feet

INCLINATION: -90° | BEARING: — | TOTAL DEPTH: 500' | LOGGED BY: GARY SUTTON

SECTION	ALTERATION: PROPYLITIC	ALTERATION: PYROPHYLLITE	ALTERATION: SILICA	ALTERATION: SERICITE	FRACTURING	MINERAL	GEOLOGY	DESCRIPTIVE GEOLOGY	% SULPHIDES	DRILLING INTERVAL	HOLE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED % Cu
60						Mg Py Ep		SILICEOUS ANDESITE 1-2% magnetite, 1.5% pyrite, minor epidote Very weak potassic alteration		60		60		
	W		I						1.5			50458		< .1
70						Mg Py Ep z Lm		SILICEOUS ANDESITE 1% magnetite, 1% pyrite, minor epidote, Trace zeolites, limonite Very weak potassic alteration		70		70		
	W		M I						1			50459		< .1
80						Mg Py Ep z Lm Cp	?	SILICEOUS ANDESITE 2% magnetite, 1.5% pyrite, minor epidote. Trace limonite, zeolites possible Chalcopyrite? Weak potassic alteration		80		80		
	W		M I						1.5			50460		< .1
90						Mg Py Ep Lm Cp	?	SILICEOUS ANDESITE 1-2% magnetite, 1.5% pyrite. minor epidote. Trace limonite possible chalcopyrite? Weak potassic alteration		90		90		
	W		M						1.5			50461		< .1
100						Mg Py Ep		SILICEOUS ANDESITE 2% magnetite, 1.5% pyrite, minor epidote. Trace zeolite Weak potassic alteration		100		100		
	W		M						1.5			50462		< .1
110						Mg Py Ep Lm		SILICEOUS ANDESITE 1-2% magnetite, 1% pyrite, minor epidote, Trace limonite Weak potassic alteration		110		110		
	W		M						1			50463		< .1
120										120		120		

HOLE NO.: WAN-C | PROJECT: WAN 90 | PAGE NO.: 3 OF 9

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: SEPT 30 | REF. TO CLAIM CORNER:

COORDINATES: N. E. | DATE FINISHED: OCT 2 | SCALE: 1" = 10 feet

INCLINATION: -90° | BEARING: — | TOTAL DEPTH: 500' | LOGGED BY: GARY SUTTON

SECTION	ALTERATION: PROPYLITIC	ALTERATION: PYROPHYLLITE	ALTERATION: SILICA	ALTERATION: SERICITE	FRACTURING	MINERAL	GEOLOGY	DESCRIPTIVE GEOLOGY	% SULPHIDES	DRILLING INTERVAL	HOLE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED % Cu
120						Mg Py Ep Cp? Lm		SILICEOUS ANDESITE 1-2% magnetite, 1% pyrite, minor epidote, Trace chalcopyrite?, limonite. Weak potassic alteration	1	120		120 50464		.1
130						Mg Py Ep Cp?		SILICEOUS ANDESITE 1-2% magnetite, 1.5% pyrite, minor epidote Trace chalcopyrite? Very weak potassic alteration	1.5	130		130 50465		<.1
140						Mg Py Ep Z Lm		SILICEOUS ANDESITE 1-2% magnetite, 1% pyrite, minor epidote, Trace zeolites, limonite Weak potassic alteration	1	140		140 50466		<.1
150						Mg Py Ep Z Cp?		SILICEOUS ANDESITE 1-2% magnetite, 1% pyrite, minor epidote. Trace zeolites, chalcopyrite? Weak potassic alteration	1	150		150 50467		<.1
160						Mg Py Ep Z Lm Cp?		SILICEOUS ANDESITE 2% magnetite, 1% pyrite, minor epidote, zeolites. Trace limonite, Chalcopyrite? Minor pyritic quartz veins Weak potassic alteration	1	160		160 50468		<.1
170						Mg Py Ep Z		SILICEOUS ANDESITE 1-2% magnetite, 1% pyrite, minor epidote, Trace zeolites Minor pyritic quartz veins Weak potassic alteration	1	170		170 50469		<.1
180										180		180		

HOLE NO.: WAN-C | PROJECT: WAN 90 | PAGE NO.: 4 OF 9

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: SEPT 30 | REF. TO CLAIM CORNER:

COORDINATES: N. E. | DATE FINISHED: OCT 2 | SCALE: 1" = 10 feet

INCLINATION: -90° | BEARING: — | TOTAL DEPTH: 500' | LOGGED BY: GARY SUTTON

SECTION	ALTERATION: PROPYLITIC	ALTERATION: PYROPHYLLITE	ALTERATION: SILICA	ALTERATION: SERICITE	FRACTURING	MINERAL	GEOLOGY	DESCRIPTIVE GEOLOGY	% SULPHIDES	DRILLING INTERVAL	HOLE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED % Cu
180						Mg Py Ep Z Cp?		SILICEOUS ANDESITE 1% magnetite, 1% pyrite, minor epidote, zeolites. Possible trace of Chalcopyrite? Minor pyritic quartz veins Weak potassic alteration	1	180		180 50970		<.1
190	W	M				Mg Py Ep Z		SILICEOUS ANDESITE 1-2% magnetite, 1% pyrite, minor epidote, zeolites, pyritic quartz veins. Weak potassic alteration	1	190		190 50971		<.1
200	W	M				Mg Py Ep Z		SILICEOUS ANDESITE 2% magnetite, 0.5% pyrite, minor epidote, zeolites, pyritic quartz veins. Weak-moderate potassic alteration	0.5	200		200 50972		<.1
210	W	W M				Mg Py Ep Z Cp? Bn?		SILICEOUS ANDESITE 1% magnetite, 0.5% pyrite, minor epidote. Trace zeolites. Possible Chalcopyrite? Bornite? Minor pyritic quartz veins Weak-moderate potassic alteration	0.5	210		210 50973		<.1
220	W	W M				Mg Py Ep Z Lm		SILICEOUS ANDESITE 1-2% magnetite, 0.5% pyrite, minor epidote, zeolites. Trace limonite Moderate potassic alteration	0.5	220		220 50974		<.1
230	W	W M				Mg Py Ep Z Lm Bn?		SILICEOUS ANDESITE 1-2% magnetite, 0.5% pyrite, minor epidote, zeolites Trace limonite Possible bornite? Moderate potassic alteration	0.5	230		230 50975		<.1
240										240		240		

COMMENTS:

AVE CORE REC'Y / HOLE

HOLE NO.: WAN-C | PROJECT: WAN 90 | PAGE NO.: 5 of 9

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: SEPT 30 | REF. TO CLAIM CORNER:

COORDINATES: N. E. | DATE FINISHED: OCT 2 | SCALE: 1" = 10 feet

INCLINATION: -90° | BEARING: — | TOTAL DEPTH: 500' | LOGGED BY: GARY SUTTON

SECTION	ALTERATION: PROPYLITIC	ALTERATION: PYROPHYLLITE	ALTERATION: SILICA	ALTERATION: SERICITE	FRACTURING	MINERAL	GEOLOGY	DESCRIPTIVE GEOLOGY	% SULPHIDES	DRILLING INTERVAL	HOLE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED % Cu
240						Mg Py Ep Cp?		SILICEOUS ANDESITE 1-2% magnetite, 1% pyrite, minor epidote Trace chalcopyrite? Minor pyritic quartz veins Moderate potassic alteration		240		240		
	W		M						1			96405		<.1
250						Mg Py Ep		SILICEOUS ANDESITE 2% magnetite, 1% pyrite, 0.5% limonite, minor epidote Weak-Moderate potassic alteration		250		250		
	W		M						1			96477		<.1
260						Mg Py Ep Lm Z		SILICEOUS ANDESITE 2% magnetite, 1% pyrite, minor epidote, limonite, Trace zeolites Weak-Moderate potassic alteration		260		260		
	W		M						1			96478		<.1
270						Mg Py Ep Z		SILICEOUS ANDESITE 2% magnetite, 1% pyrite, minor epidote, Trace zedites. Trace of limonitic coated quartz eyed dyke Weak-moderate potassic alteration		270		270		
	W		M						1			96479		<.1
280						Mg Py Ep		SILICEOUS ANDESITE 2% magnetite, 1% pyrite, minor epidote, Trace limonite coated quarte eyed dyke. Weak-moderate potassic alteration		280		280		
	W		M I						1			96480		<.1
290						Mg Py Ep Lm		SILICEOUS ANDESITE 1-2% magnetite, 1% pyrite, minor epidote Trace limonite Weak potassic alteration		290		290		
	W		M I						1			96481		<.1
300										300		300		

HOLE NO.: WAN-C | PROJECT: WAN 90 | PAGE NO.: 6 OF 9

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: SEPT 30 | REF. TO CLAIM CORNER:

COORDINATES: N. E. | DATE FINISHED: OCT 2 | SCALE: 1" = 10 feet

INCLINATION: -90° | BEARING: — | TOTAL DEPTH: 500' | LOGGED BY: GARY SUTTON

SECTION	ALTERATION: PROPYLITIC	ALTERATION: PYROPHYLLITE	ALTERATION: SILICA	ALTERATION: SERICITE	FRACTURING	MINERAL	GEOLOGY	COMMENTS: / DESCRIPTIVE GEOLOGY	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	HOLE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED % Cu
300						Mg Py Ep		SILICEOUS ANDESITE 1-2% magnetite, 0.5% pyrite, minor epidote Weak potassic alteration		0.5	300		300 28hos		<.1
	W		M												
310						Mg Py Ep Z		SILICEOUS ANDESITE 1-2% magnetite, 0.5% pyrite, minor epidote. Trace zeolites Weak potassic alteration		0.5	310		310 28hos		<.1
	W		M												
320						Mg Py Ep		SILICEOUS ANDESITE 1% magnetite, 0.5% pyrite, trace epidote, zeolites Weak potassic alteration		0.5	320		320 48hos		<.1
	W		M												
330						Mg Py Ep Z		SILICEOUS ANDESITE 1% magnetite, 0.5% pyrite, 0.5% epidote, trace zeolites Moderate potassic alteration		0.5	330		330 58hos		<.1
	W		M												
340						Mg Py Ep Z		SILICEOUS ANDESITE 1-2% magnetite, 0.5% pyrite, 0.5% epidote, trace zeolites Moderate potassic alteration		0.5	340		340 98hos		<.1
	W M		M I												
350						Mg Py Ep Z Lm		SILICEOUS ANDESITE 2% magnetite, 1% pyrite, minor epidote, trace zeolites, limonite Weak-moderate potassic alteration		1	350		350 68hos		<.1
	W		M												
360											360		360		

HOLE NO.: WAN-C | PROJECT: WAN 90 | PAGE NO.: 7 OF 9

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: SEPT 30 | REF. TO CLAIM CORNER:

COORDINATES: N. E. | DATE FINISHED: OCT 2 | SCALE: 1" = 10 feet

INCLINATION: -90° | BEARING: — | TOTAL DEPTH: 500' | LOGGED BY: GARY SUTTON

SECTION	ALTERATION: PROPYLITIC	ALTERATION: PYROPHYLLITE	ALTERATION: SILICA	ALTERATION: SERICITE	FRACTURING	MINERAL	GEOLOGY	DESCRIPTIVE GEOLOGY	% SULPHIDES	DRILLING INTERVAL	HOLE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED % Cu
360						Mg Py Ep Z		SILICEOUS ANDESITE 1-2% magnetite, 1% pyrite, minor epidote, Trace zeolites		360		360		
	W		M					Moderate potassic alteration	1			50488		<.1
370						Mg Py Ep Z		SILICEOUS ANDESITE 1-2% magnetite, 1% pyrite, minor epidote, Trace zeolites		370		370		
	W M		M					Moderate-Intense potassic alteration	1			50489		<.1
380						Mg Py Ep		SILICEOUS ANDESITE 2% magnetite, 0.5% pyrite, minor epidote		380		380		
	W M		M					Moderate-Intense potassic alteration	0.5			50490		<.1
390						Mg Py Ep		SILICEOUS ANDESITE 2% magnetite, 0.5% pyrite, 0.5% epidote		390		390		
	M		M					Moderate-Intense potassic alteration	0.5			50491		<.1
400						Mg Ep Py		SILICEOUS ANDESITE 1-2% magnetite, minor epidote, pyrite		400		400		
	M		M					Moderate-Intense potassic alteration	<.5			50492		<.1
410						Mg Ep Py Z		SILICEOUS ANDESITE 1-2% magnetite, 0.5% epidote, minor pyrite, Trace zeolites		410		410		
	M		M					Moderate-Intense potassic alteration	<.5			50493		<.1
420										420		420		

AVE CORE REC'Y / HOLE

HOLE NO.: WAN-C | PROJECT: WAN 90 | PAGE NO.: 8 of 9

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: SEPT 30 | REF. TO CLAIM CORNER:

COORDINATES: N. E. | DATE FINISHED: OCT 2 | SCALE: 1" = 10 feet

INCLINATION: -90° | BEARING: — | TOTAL DEPTH: 500' | LOGGED BY: GARY SUTTON

SECTION	ALTERATION: PROPYLITIC	ALTERATION: PYROPHYLLITE	ALTERATION: SILICA	ALTERATION: SERICITE	FRACTURING	MINERAL	GEOLOGY	DESCRIPTIVE GEOLOGY	% SULPHIDES	DRILLING INTERVAL	HOLE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED % Cu
420						Mg Ep Py Z		SILICEOUS ANDESITE 2% magnetite, 0.5% epidote, minor pyrite, trace zeolites Moderate potassic alteration		420		420		
	M		M						<.5			50494		<.1
430						Mg Ep Py Z		SILICEOUS ANDESITE 2% magnetite, 0.5% epidote, minor pyrite, trace zeolites Moderate potassic alteration		430		430		
	M		M						<.5			50495		<.1
440						Mg Ep Py Z		SILICEOUS ANDESITE 2% magnetite, 0.5% epidote, minor pyrite, trace zeolites Moderate potassic alteration		440		440		
	M		M						<.5			50496		<.1
450						Mg Ep Py Z Lm		SILICEOUS ANDESITE 1-2% magnetite, 0.5% epidote, minor pyrite, trace zeolites, limonite. Moderate potassic alteration		450		450		
	M		M						<.5			50497		<.1
460						Mg Ep Py Z		SILICEOUS ANDESITE 1-2% magnetite, 0.5% epidote, minor pyrite, trace zeolites Moderate potassic alteration		460		460		
	M		M H						<.5			50498		<.1
470						Mg Ep Py		SILICEOUS ANDESITE 1-2% magnetite, 0.5% epidote, minor pyrite Weak potassic alteration		470		470		
	W M		M						<.5			50499		<.1
480										480		480		

HOLE NO.: WAN-C | PROJECT: WAN 90 | PAGE NO.: 9 of 9

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: SEPT 30 | REP. TO CLAIM CORNER:

COORDINATES: N. E. | DATE FINISHED: OCT 2 | SCALE: 1" = 10 feet

INCLINATION: -90° | BEARING: — | TOTAL DEPTH: 500' | LOGGED BY: GARY SUTTON

SECTION	ALTERATION: PROPYLITIC	ALTERATION: PYROPHYLLITE	ALTERATION: SILICA	ALTERATION: SERICITE	FRACTURING	MINERAL	GEOLOGY	COMMENTS: / DESCRIPTIVE GEOLOGY	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	HOLE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED % Cu
480						Mg Ep Py Z		SILICEOUS ANDESITE 1-2% magnetite, minor epidote, pyrite, Trace zeolites Weak-moderate potassic alteration			480		480		
	W		M							L.5			500		L.1
490						Py Mg Ep Z		SILICEOUS ANDESITE 1% pyrite, minor magnetite, epidote, zeolites 5% pyritic quartz veins Moderate potassic alteration			490		490		
	W M		M H							1			500		L.1
500								500' END OF HOLE			500		500		

HOLE NO.: WAN-E | PROJECT: WAN 90 | PAGE NO.: 1 OF 6

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: OCTOBER 3 | REF. TO CLAIM CORNER:

COORDINATES: N. E. | DATE FINISHED: OCTOBER 4 | SCALE: 1" = 10 feet

INCLINATION: -90° | BEARING: — | TOTAL DEPTH: 350' | LOGGED BY: GARY SUTTON

SECTION	ALTERATION: PROPYLITIC	ALTERATION: PYROPHYLLITE	ALTERATION: SILICA	ALTERATION: SERICITE	FRACTURING	MINERAL	GEOLOGY	DESCRIPTIVE GEOLOGY	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	HOLE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED % Cu
0								0 - 15 OVERBURDEN 15 - 20 NOT SAMPLED			0		0		
10											10		10		
20						Py Mg		BASALT minor pyrite, quartz veins, magnetite		<.5	20		20 50502		<.1
30			W			Py Mg Z		BASALT minor pyrite, magnetite, quartz veins, trace zeolites		<.5	30		30 50503		<.1
40	W	W				Py Mg Ep Z		BASALT minor pyrite, magnetite, trace zeolites, epidote minor quartz veins		<.5	40		40 50504		<.1
50	W	W				Py Mg Ep		ANDESITE minor pyrite, magnetite, traces epidote		<.5	50		50 50505		<.1
60											60		60		

HOLE NO.: WAN-E | PROJECT: WAN 90 | PAGE NO.: 2 OF 6

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: OCTOBER 3 | REF. TO CLAIM CORNER:

COORDINATES: N. E. | DATE FINISHED: OCTOBER 4 | SCALE: 1" = 10 feet

INCLINATION: -90° | BEARING: — | TOTAL DEPTH: 350' | LOGGED BY: GARY SUTTON

SECTION	ALTERATION: PROPYLITIC	ALTERATION: PHYLLITE	ALTERATION: SILICA	ALTERATION: SERICITE	FRACTURING	MINERAL	GEOLOGY	DESCRIPTIVE GEOLOGY	% SULPHIDES	DRILLING INTERVAL	HOLE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED % Cu
60						Ep Py Mg		ANDESITE 0.5% epidote, minor pyrite, magnetite Weak potassic alteration		60		60 50506		
	M		W						<.5					<.1
70						Ep Py Mg Lm		ANDESITE 0.5% epidote, minor pyrite, magnetite. Trace limonite 5% diabase dyke Very weak potassic alteration		70		70 50507		
	M		W						<.5					<.1
80						Mg Py		DIABASE DYKE 3-5% magnetite, 1.5% pyrite 5% andesite		80		80 50508		
									1.5					<.1
90						Mg Py Ep Z		SILICEOUS ANDESITE 1-2% magnetite, 1% pyrite, 0.5% epidote. Trace zeolites Very weak potassic alteration		90		90 50509		
	M		M						1					<.1
100						Mg Py Ep		ANDESITE 1% magnetite, 1% pyrite, minor epidote, quartz veins		100		100 50510		
	W		W						1					<.1
110						Mg Py Ep Z		SILICEOUS ANDESITE 1% magnetite, 1% pyrite, minor epidote. Trace zeolites Very weak potassic alteration		110		110 50511		
	W		W						1					<.1
120										120		120		

HOLE NO.: WAN-E | PROJECT: WAN 90 | PAGE NO.: 3 OF 6

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: OCTOBER 3 | REF. TO CLAIM CORNER:

COORDINATES: N. E. | DATE FINISHED: OCTOBER 4 | SCALE: 1" = 10 feet

INCLINATION: -90° | BEARING: — | TOTAL DEPTH: 350' | LOGGED BY: GARY SUTTON

SECTION	ALTERATION: PROPYLITIC	ALTERATION: PYROPHYLLITE	ALTERATION: SILICA	ALTERATION: SERICITE	FRACTURING	MINERAL	GEOLOGY	DESCRIPTIVE GEOLOGY	% SULPHIDES	DRILLING INTERVAL	HOLE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED % Cu
120								COMMENTS: AVE CORE REC'Y / HOLE		120		120		
	W		W			Mg Py Ep Lm		ANDESITE 1% magnetite, minor pyrite, epidote. Trace limonite	<.5			50512		<.1
130						Mg Py Ep		ANDESITE 1-2% magnetite, minor pyrite, epidote	<.5	130		130 50513		<.1
	W													
140						Mg Py		ANDESITE 1-2% magnetite, minor pyrite, pyritic quartz veins	<.5	140		140 50514		<.1
			W											
150						Mg Py z Lm		ANDESITE 1-2% magnetite, minor pyrite, pyritic quartz veins, zeolites Trace limonite. Very weak potassic alteration	<.5	150		150 50515		<.1
			W											
160						Mg Py Ep Lm		ANDESITE 1-2% magnetite, minor pyrite, pyritic quartz veins, epidote Trace limonite Very weak potassic alteration	<.5	160		160 50516		<.1
	W	W												
170						Mg Py Ep Lm		SILICEOUS ANDESITE 1% diss. pyrite, 0.5% magnetite, Trace limonite, epidote 1% pyritic quartz veins. Epidote veinlets.	1	170		170 50517		<.1
	W	W												
180										180		180		

HOLE NO.: WAN-E | PROJECT: WAN 90 | PAGE NO.: 4 OF 6

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: OCTOBER 3 | REF. TO CLAIM CORNER:

COORDINATES: N. E. | DATE FINISHED: OCTOBER 4 | SCALE: 1" = 10 feet

INCLINATION: -90° | BEARING: — | TOTAL DEPTH: 350' | LOGGED BY: GARY SUTTON

SECTION	ALTERATION: PROPYLITIC	ALTERATION: PYROPHYLLITE	ALTERATION: SILICA	ALTERATION: SERICITE	FRACTURING	MINERAL	GEOLOGY	DESCRIPTIVE GEOLOGY	% SULPHIDES	DRILLING INTERVAL	HOLE SIZE	SAMPLE INTERVAL	% REC'Y SAMP. INT.	ESTIMATED % Cu
180						Py Ep Mg		SILICEOUS ANDESITE 1-2% pyrite, trace epidote, magnetite Minor pyritic quartz veins		180		180		
	W		M						1-2			50518		<.1
190						Py Mg Ep Lm Bn	?	SILICEOUS ANDESITE 1-2% pyrite, minor magnetite, epidote Trace limonite, bornite?		190		190		
	W		M						1-2			50519		<.1
200						Py Mg Lm Ep		SILICEOUS ANDESITE 1% pyrite, trace magnetite, limonite, epidote, quartz veins		200		200		
	W		W						1			50520		<.1
210						Py Mg Ep Lm		SILICEOUS ANDESITE 0.5% pyrite, trace magnetite, epidote, limonite 1% pyritic quarte veins		210		210		
	W		W						0.5			50521		<.1
220						Py Mg		SILICEOUS ANDESITE 0.5% pyrite, minor magnetite		220		220		
	W		M						0.5			50522		<.1
230						Py Mg Ep Z		SILICEOUS ANDESITE 1% pyrite, minor magnetite, epidote. Trace zeolites 2% pyritic quartz veins 2% diabase dyke		230		230		
	W		M I						1			50523		<.1
240										240		240		

HOLE NO.: WAN-E | PROJECT: WAN 90 | PAGE NO.: 5 OF 6

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: OCTOBER 3 | REF. TO CLAIM CORNER:

COORDINATES: N. E. | DATE FINISHED: OCTOBER 4 | SCALE: 1" = 10 feet

INCLINATION: -90° | BEARING: — | TOTAL DEPTH: 350' | LOGGED BY: GARY SUTTON

SECTION	ALTERATION: PROPYLITIC	ALTERATION: PYROPHYLLITE	ALTERATION: SILICA	ALTERATION: SERICITE	FRACTURING	MINERAL	GEOLOGY	COMMENTS: / DESCRIPTIVE GEOLOGY	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	HOLE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED % Cu
240											240		240		
	W		I			Py Mg Ep		SILICEOUS ANDESITE 1-2% pyrite, trace magnetite, epidote 1% pyritic quartz veins, 1% diabase dyke		1.5			50524		<.1
250						Py Mg		SILICEOUS ANDESITE 1-2% pyrite, trace magnetite 2% pyritic quartz veins.		1.5	250		250 50525		<.1
260	W M		M			Py Mg Ep Z Lm		SILICEOUS ANDESITE 1% pyrite, minor magnetite, epidote. Trace zeolites, limonite		1	260		260 50526		<.1
270	W		W			Mg Py Ep Lm Z		SILICEOUS ANDESITE 2% magnetite, minor pyrite, epidote, limonite Trace zeolites Minor quartz veins		<.5	270		270 50527		<.1
280	W		W			Mg Ep Py Lm		SILICEOUS ANDESITE 2% magnetite, minor epidote, pyrite, limonite. Trace pyritic quartz veins Very weak potassic alteration		<.5	280		280 50528		<.1
290	W		W			Mg Ep Py		SILICEOUS ANDESITE 2% magnetite, minor epidote, trace pyrite, quartz veins Very weak potassic alteration		<.5	290		290 50529		<.1
300											300		300		

HOLE NO.: WAN-E | PROJECT: WAN 90 | PAGE NO.: 6 OF 6

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: OCTOBER 3 | REF. TO CLAIM CORNER:

COORDINATES: N. E. | DATE FINISHED: OCTOBER 4 | SCALE: 1" = 10 feet

INCLINATION: -90° | BEARING: — | TOTAL DEPTH: 350' | LOGGED BY: GARY SUTTON

SECTION	ALTERATION: PROPYLITIC	ALTERATION: PHYLLIC	ALTERATION: SILICA	ALTERATION: SERICITE	FRACTURING	MINERAL	GEOLOGY	COMMENTS: / DESCRIPTIVE GEOLOGY	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	HOLE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED % Cu
300			W			Mg Py Lm		SILICEOUS ANDESITE 2% magnetite, minor pyrite, trace limonite, quartz veins Very weak potassic alteration		<.5	300		300 50530		<.1
310	W	W M	W M			Mg Py Ep Z Lm		SILICEOUS ANDESITE 2% magnetite, minor pyrite. trace limonite, epidote. zeolites 3% pyritic quartz veins Very weak potassic alteration		<.5	310		310 50531		<.1
320	W M	W M	W M			Mg Py Ep Z		SILICEOUS ANDESITE 1-2% magnetite, 0.5% pyrite, minor epidote, trace zeolites 2% pyritic quartz veins		0.5	320		320 50532		<.1
330	W	W	W			Mg Py Ep		SILICEOUS ANDESITE 1% magnetite, 0.5% pyrite, minor epidote 2% pyritic quartz veins		0.5	330		330 50533		<.1
340	W	W	W			Mg Py Ep		SILICEOUS ANDESITE 1% pyrite, 0.5% magnetite, minor epidote 2% pyritic quartz veins. Pyrite veinlet 0.5 mm		1	340		340 50534		<.1
350								350' END OF HOLE			350		350		
360											360		360		

HOLE NO.: WAN-G | PROJECT: WAN 90 | PAGE NO.: 1 OF 7

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: SEPT 28 | REF. TO CLAIM CORNER:

COORDINATES: N. E. | DATE FINISHED: SEPT 29 | SCALE: 1" = 10 feet

INCLINATION: -90° | BEARING: — | TOTAL DEPTH: 420' | LOGGED BY: GARY SUTTON

SECTION	ALTERATION: PROPYLITIC	ALTERATION: PYROPHYLLITE	ALTERATION: SILICA	ALTERATION: SERICITE	FRACTURING	MINERAL	GEOLOGY	COMMENTS: / DESCRIPTIVE GEOLOGY	% SULPHIDES	DRILLING INTERVAL	HOLE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED % Cu
0								0-10 OVERBURDEN		0		0		
10										10		13		
	W		W			Mg Py Ep		SILICEOUS ANDESITE 1-2% magnetite, 0.5% pyrite, minor epidote. Pyrite as blebs in and around magnetite blebs	0.5			91405 12		∠.1
20						Mg Py		SILICEOUS ANDESITE		20		20		
	W		W			Ep		1-2% magnetite, 0.5% pyrite, minor epidote	0.5			91405 13		∠.1
30						Mg Py		SILICEOUS ANDESITE		30		30		
	M		W			Ep		2% magnetite, 0.5% pyrite, minor epidote, qtz veins	0.5			91405 14		∠.1
40						Py Mg		80% QUARTZ MONZONITE 1-2% pyrite, 1% magnetite	1.5	40		40 91405 15		∠.1
	M		M		Py Gp	Mg Z		20% SILICEOUS ANDESITE 2% pyrite, 1% magnetite, 1% epidote, trace zeolites		50		50		
50	M		M H			Mg Py Ep		80% SILICEOUS ANDESITE 1% magnetite, 1% pyrite, 1% epidote, minor quartz veins	1			91405 16		∠.1
						Mg Py		20% QUARTZ MONZONITE 1% magnetite, 0.5% pyrite						
60										60		60		

HOLE NO.: WAN-G | PROJECT: WAN 90 | PAGE NO.: 2 OF 7

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: SEPT 28 | REF. TO CLAIM CORNER:

COORDINATES: N. E. | DATE FINISHED: SEPT 29 | SCALE: 1" = 10 feet

INCLINATION: -90° | BEARING: — | TOTAL DEPTH: 420' | LOGGED BY: GARY SUTTON

SECTION	ALTERATION: PROPYLITIC	ALTERATION: PYROPHYLLITE	ALTERATION: SILICA	ALTERATION: SERICITE	FRACTURING	MINERAL	GEOLOGY	DESCRIPTIVE GEOLOGY	% SULPHIDES	DRILLING INTERVAL	HOLE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED % Cu
60						Mg Py Ep		SILICEOUS ANDESITE 1% magnetite, 0.5% pyrite, 0.5% epidote, minor pyritic quartz veins	0.5	60		60 50471		<.1
70	M	M				Mg Py Ep		SILICEOUS ANDESITE 2% magnetite, 0.5% pyrite, 0.5% epidote Weak potassic alteration	0.5	70		70 50418		<.1
80	M	M				Mg Ep Py		90% SILICEOUS ANDESITE 1-2% magnetite, 1-2% epidote, 0.5% pyrite, weak potassic alteration	0.5	80		80 50419		<.1
90	I	I				Mg Py		10% QUARTZ MONZONITE 1% magnetite, 0.5% pyrite		90		90 50420		<.1
100	M	I				Mg Py Ep		90% SILICEOUS ANDESITE 1-2% magnetite, 0.5% pyrite, 0.5% epidote. Moderate potassic alt. 10% QUARTZ MONZONITE 1% magnetite, 0.5% pyrite	0.5	100		18 50421		<.1
110	W	I				Mg Py Ep		SILICEOUS ANDESITE 1% magnetite, 1% pyrite, minor epidote. Very intense silicification Moderate potassic alteration	1	110		110 50422		<.1
120	W	I				Mg Py Ep Cp	?	SILICEOUS ANDESITE 1% magnetite, 0.5% pyrite, minor epidote, poss chalcopyrite Moderate potassic alteration	0.5	120		120		<.1

HOLE NO.: WAN-G | PROJECT: WAN 90 | PAGE NO.: 3 OF 7

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: SEPT 28 | REF. TO CLAIM CORNER:

COORDINATES: N. E. | DATE FINISHED: SEPT 29 | SCALE: 1" = 10 feet

INCLINATION: -90° | BEARING: — | TOTAL DEPTH: 420' | LOGGED BY: GARY SUTTON

SECTION	ALTERATION: PROPYLITIC	ALTERATION: PHYLLITE	ALTERATION: SILICA	ALTERATION: SERICITE	FRACTURING	MINERAL	GEOLOGY	COMMENTS: DESCRIPTIVE GEOLOGY	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL		HOLE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED % Cu
120						Mg Py Ep		SILICEOUS ANDESITE 1% magnetite, 0.5% pyrite, Trace epidote Moderate potassic alteration		0.5	120			120 50423		<.1
130	M	M				Mg Ep Py		SILICEOUS ANDESITE 1-2% magnetite, 1% epidote, 0.5% pyrite Very weak potassic alteration		0.5	130			130 50424		<.1
140	M	M				Mg Py Ep		SILICEOUS ANDESITE 1-2% magnetite, 0.5% pyrite, 0.5% epidote Moderate potassic alteration		0.5	140			140 50425		<.1
150	M	M				Mg Py Ep Cp	?	SILICEOUS ANDESITE 2% magnetite, 0.5% pyrite, 0.5% epidote, Trace chalcopyrite? Weak potassic alteration, Few % diabase dyke		0.5	150			150 50426		<.1
160	M	M				Mg Ep Py		SILICEOUS ANDESITE 2% magnetite, 0.5% epidote, 0.5% pyrite, Minor pyritic quartz veins		0.5	160			160 50427		<.1
170	M	M				Mg Ep Py		SILICEOUS ANDESITE 3% magnetite, 0.5% epidote, 0.5% pyrite, minor quartz veins weak potassic alteration		0.5	170			170 50428		<.1
180											180			180		

HOLE NO.: WAN-G | PROJECT: WAN 90 | PAGE NO.: 4 OF 7

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: SEPT 28 | REF. TO CLAIM CORNER:

COORDINATES: | N. | E. | DATE FINISHED: SEPT 29 | SCALE: 1" = 10 feet

INCLINATION: -90° | BEARING: — | TOTAL DEPTH: 420' | LOGGED BY: GARY SUTTON

SECTION	ALTERATION: PROPYLITIC	ALTERATION: PYROPHYLLITE	ALTERATION: SILICA	ALTERATION: SERICITE	FRACTURING	MINERAL	GEOLOGY	DESCRIPTIVE GEOLOGY	% SULPHIDES	DRILLING INTERVAL	HOLE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED % Cu
180						Mg Ep Py		SILICEOUS ANDESITE 2-3% magnetite, 0.5% epidote, 0.5% pyrite Weak potassic alteration	0.5	180		180 50429		< .1
	M		M											
190						Mg Ep Py		SILICEOUS ANDESITE 2% magnetite, 0.5% epidote, 0.5% pyrite Weak-moderate potassic alteration	0.5	190		190 50430		< .1
	M		H M											
200						Mg Py Ep		SILICEOUS ANDESITE 1-2% magnetite, 0.5% pyrite, minor epidote Weak potassic alteration	0.5	200		200 50431		< .1
	W		H M											
210						Mg Py Ep		SILICEOUS ANDESITE 1% magnetite, 0.5% pyrite, minor epidote Weak potassic alteration	0.5	210		210 50432		< .1
	W		H											
220						Mg Py Ep Z		SILICEOUS ANDESITE 1% magnetite, 0.5% pyrite, trace epidote, zeolites Weak potassic alteration	0.5	220		220 50433		< .1
	W		H											
230						Mg Py Ep		SILICEOUS ANDESITE 1% magnetite, 0.5% pyrite, minor epidote Weak potassic alteration	0.5	230		230 50434		< .1
	W		H											
240										240		240		

HOLE NO.: WAN-G | PROJECT: WAN 90 | PAGE NO.: 5 OF 7
COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: SEPT 28 | REF. TO CLAIM CORNER:
COORDINATES: N. E. | DATE FINISHED: SEPT 29 | SCALE: 1" = 10 feet
INCLINATION: -90° | BEARING: — | TOTAL DEPTH: 420' | LOGGED BY: GARY SUTTON

SECTION	ALTERATION: PROPYLITIC	ALTERATION: PYROPHYLLITE	ALTERATION: SILICA	ALTERATION: SERICITE	FRACTURING	MINERAL	GEOLOGY	DESCRIPTIVE GEOLOGY	% SULPHIDES	DRILLING INTERVAL	HOLE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED % Cu
240								COMMENTS: AVE CORE REC'Y / HOLE		240		240		
	W		I			Mg Py Ep Z		SILICEOUS ANDESITE 1% magnetite, 1% pyrite, minor epidote, Trace zeolites Weak to moderate potassic alteration	1			50435		<.1
250										250		250		
	W		I			Mg Py Ep Lm Z		SILICEOUS ANDESITE 1% magnetite, 1% pyrite, minor epidote, trace limonite, zeolites Weak potassic alteration	1			50436		<.1
260										260		260		
	MW		MH			Mg Ep Py Z		SILICEOUS ANDESITE 1% magnetite, minor epidote, pyrite, trace zeolites Weak potassic alteration	<.5			50437		<.1
270										270		270		
	MW		MH			Mg Ep Py Z		SILICEOUS ANDESITE 1-2% magnetite, minor epidote, pyrite, trace zeolites Weak potassic alteration	<.5			50438		<.1
280										280		280		
	W		I			Mg Ep Cp Z Py		SILICEOUS ANDESITE 1-2% magnetite, 0.5% epidote, Trace chalcopyrite, zeolites, pyrite Blebof chalcopyrite is 0.75mm wide Weak potassic alteration	0.5			50439		.2
290										290		290		
	W		I			Mg Ep Z & Py		SILICEOUS ANDESITE 1-2% magnetite, minor epidote, trace zeolites, pyrite Weak potassic alteration	0.5			50440		<.1
300										300		300		

HOLE NO.: WAN-G | PROJECT: WAN 90 | PAGE NO.: 6 OF 7

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: SEPT 28 | REF. TO CLAIM CORNER:

COORDINATES: N. E. | DATE FINISHED: SEPT 29 | SCALE: 1" = 10 feet

INCLINATION: -90° | BEARING: — | TOTAL DEPTH: 420' | LOGGED BY: GARY SUTTON

SECTION	ALTERATION: PROPYLITIC	ALTERATION: PYROPHYLLITE	ALTERATION: SILICA	ALTERATION: SERICITE	FRACTURING	MINERAL	GEOLOGY	DESCRIPTIVE GEOLOGY	% SULPHIDES	DRILLING INTERVAL	HOLE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED % Cu
300						Mg Ep Py z		SILICEOUS ANDESITE		300		300		
	W		I					1% magnetite, 0.5% epidote, trace pyrite, zeolites,	0.5			1hh05		<.1
310						Mg Ep Py z Lm		Weak potassic alteration SILICEOUS ANDESITE		310		310		
	W		H					1% magnetite, minor epidote, trace pyrite, zeolites, limonite,	0.5			2hh05		<.1
320						Mg Ep Py Lm z		Weak potassic alteration SILICEOUS ANDESITE		320		320		
	W		H					1% magnetite, minor epidote, trace pyrite, limonite, zeolites,	0.5			3hh05		<.1
330						Mg Ep Py Lm z		Possible quartz monzonite dyke Weak potassic alteration SILICEOUS ANDESITE		330		330		
	M		M					1-2% magnetite, 0.5% epidote, trace pyrite, limonite, zeolites Weak potassic alteration	0.5			4hh05		<.1
340						Mg Ep Py z		SILICEOUS ANDESITE		340		340		
	M		W					2% magnetite, 0.5% epidote, trace pyrite Weak potassic alteration	<.5			5hh05		<.1
350						Mg Ep Py z		SILICEOUS ANDESITE		350		350		
	M		M					2% magnetite, 0.5% epidote, trace pyrite, zeolites trace quartz veins Weak potassic alteration	0.5			6hh05		<.1
360										360		360		

HOLE NO.: WAN-G | PROJECT: WAN 90 | PAGE NO.: 7 OF 7

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: SEPT 28 | REF. TO CLAIM CORNER:

COORDINATES: N. E. | DATE FINISHED: SEPT 29 | SCALE: 1" = 10 feet

INCLINATION: -90° | BEARING: — | TOTAL DEPTH: 420' | LOGGED BY: GARY SUTTON

SECTION	ALTERATION: PROPYLITIC	ALTERATION: PYROPHYLLITE	ALTERATION: SILICA	ALTERATION: SERICITE	FRACTURING	MINERAL	GEOLOGY	COMMENTS: / DESCRIPTIVE GEOLOGY	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	HOLE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED % Cu
360						Mg Ep Py Z		SILICEOUS ANDESITE 2% magnetite, 0.5% epidote, minor pyrite. Trace zeolites 5% banded quartz veins		<.5	360		360 L4405		<.1
370	M		M			Mg Ep Py		SILICEOUS ANDESITE 2% magnetite, 0.5% epidote, minor pyrite Very weak potassic alteration		<.5	370		370 84405		<.1
380	M		M			Mg Ep Py Lm		SILICEOUS ANDESITE 1-2% magnetite, 0.5% epidote, trace pyrite, limonite minor quartz veins		<.5	380		380 64405		<.1
390	M		M			Mg Ep Py Lm		SILICEOUS ANDESITE 1-2% magnetite, 0.5% epidote, trace pyrite, limonite Very weak potassic alteration		<.5	390		390 54405		<.1
400	M		M			Mg Ep Py		SILICEOUS ANDESITE 1-2% magnetite, 0.5% epidote, trace pyrite Very weak potassic alteration		<.5	400		400 14405		<.1
410	M		M			Mg Ep Py Lm Z		SILICEOUS ANDESITE 1-2% magnetite, 0.5% epidote, minor pyrite, trace limonite, zeolites		<.5	410		410 74405		<.1
420								END OF HOLE (Sticking)			420		420		

HOLE NO.: EC-H | PROJECT: Expo WAN 90 | PAGE NO.: 1 OF 7

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: SEPT 26 | REF. TO CLAIM CORNER:

COORDINATES: N. E. | DATE FINISHED: SEPT 27 | SCALE: 1" = 10 feet

INCLINATION: -90° | BEARING: — | TOTAL DEPTH: 370' | LOGGED BY: GARY SUTTON

SECTION	ALTERATION: PROPYLITIC	ALTERATION: PYROPHYLLITE	ALTERATION: SILICA	ALTERATION: SERICITE	FRACTURING	MINERAL	GEOLOGY	DESCRIPTIVE GEOLOGY	% SULPHIDES	DRILLING INTERVAL	HOLE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED % Cu
0								0-6 OVERBURDEN 6-10 NOT SAMPLED		0		0		
10	W		M			Py Mg Ep Z		SILICEOUS ANDESITE Minor pyrite, magnetite, epidote. Trace zeolites Weak potassic alteration	<.5	10		10 50376		<.1
20	M		M			Mg Ep Py Z		SILICEOUS ANDESITE 1% magnetite, 1% epidote, minor pyrite. Trace zeolites Weak potassic alteration	<.5	20		20 50377		<.1
30	M		M			Mg Ep Py Lm		SILICEOUS ANDESITE 1% magnetite, 1% epidote, minor pyrite. Trace limonite, zeolites. Weak potassic alteration	<.5	30		30 50378		<.1
40	M		M			Mg Ep Py Lm Z		SILICEOUS ANDESITE 1% magnetite, 1% epidote, minor pyrite. Trace limonite, zeolites. Weak potassic alteration	<.5	40		40 50379		<.1
50	M		M			Mg Ep Py Lm		SILICEOUS ANDESITE 1-2% magnetite, 1% epidote, minor pyrite. Trace limonite Weak potassic alteration	<.5	50		50 50380		<.1
60										60		60		

HOLE NO.: EC-H
COLLAR ELEV.: GROUND ELEV.:
COORDINATES: N. E.
INCLINATION: -90° BEARING: —
PROJECT: Expo WAN 90
DATE STARTED: SEPT 26
DATE FINISHED: SEPT 27
TOTAL DEPTH: 370'
PAGE NO.: 2 OF 7
REF. TO CLAIM CORNER:
SCALE: 1" = 10 feet
LOGGED BY: GARY SUTTON

SECTION	ALTERATION: PROPYLITIC	ALTERATION: PYROPHYLLITE	ALTERATION: SILICA	ALTERATION: SERICITE	FRACTURING	MINERAL	GEOLOGY	COMMENTS: / DESCRIPTIVE GEOLOGY	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	HOLE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED % Cu
60											60		60		
	M		M			Mg Ep Py Z		SILICEOUS ANDESITE 1-2% magnetite, 1% epidote, minor pyrite. Trace zeolite weak potassic alteration		<.5			18035		<.1
70											70		70		
	M		M			Mg Ep Py Z Lm		SILICEOUS ANDESITE 2% magnetite, 1% epidote, minor pyrite. Trace zeolites, limonite. Weak potassic alteration		<.5			28035		<.1
80											80		80		
	M		M			Mg Ep Py Z Lm		SILICEOUS ANDESITE 1-2% magnetite, 1% epidote, minor pyrite, zeolites Trace limonite. Weak potassic alteration		<.5			38035		<.1
90											90		90		
	M		M			Mg Ep Py Z		SILICEOUS ANDESITE 1% magnetite, 1% epidote, minor pyrite. Trace zedites Weak potassic alteration		<.5			48035		<.1
100											100		100		
	M		M-I			Mg Ep Py Z		SILICEOUS ANDESITE 1-2% magnetite, 1% epidote, minor pyrite. Trace zeolites		<.5			58035		<.1
110											110		110		
	M		M			Mg Ep Py Z		SILICEOUS ANDESITE 1-2% magnetite, 1% epidote, minor pyrite. Trace zeolites Weak potassic alteration.		<.5			68035		<.1
120											120		120		

HOLE NO.: EC - H | PROJECT: Expo WAN 90 | PAGE NO.: 3 OF 7

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: SEPT 26 | REF. TO CLAIM CORNER:

COORDINATES: N. E. | DATE FINISHED: SEPT 27 | SCALE: 1" = 10 feet

INCLINATION: -90° | BEARING: — | TOTAL DEPTH: 370' | LOGGED BY: GARY SUTTON

SECTION	ALTERATION: PROPYLITIC	ALTERATION: PYROPHYLLITE	ALTERATION: SILICA	ALTERATION: SERICITE	FRACTURING	MINERAL	GEOLOGY	DESCRIPTIVE GEOLOGY	% SULPHIDES	DRILLING INTERVAL	HOLE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED % Cu
120								COMMENTS:		120		120		
						Mg Ep Py Z		SILICEOUS ANDESITE 1% magnetite, 1% epidote, minor pyrite. Trace zeolites				50387		
	M		M						<.5					<.1
130										130		130		
						Mg Ep Py Z		SILICEOUS ANDESITE 1-2% magnetite, minor epidote, pyrite. Trace zeolites Weak potassic alteration				50388		
	W		M						<.5					<.1
140										140		140		
						Mg Ep Py Z Lm		SILICEOUS ANDESITE 1% magnetite, 1% epidote, minor pyrite, zeolites. Trace limonite Weak-moderate potassic alteration,				50389		
	M		M						<.5					<.1
150										150		150		
						Mg Ep Py Z		SILICEOUS ANDESITE 1-2% magnetite, 1% epidote, minor pyrite, Trace zeolites Minor pyritic quartz veins. Weak to moderate potassic alteration				50390		
	M		M						<.5					<.1
160										160		160		
						Mg Ep Py Lm Z		SILICEOUS ANDESITE 1-2% magnetite, 1% epidote, minor pyrite. Trace limonite, zeolites Trace pyritic quartz veins. Weak potassic alteration				50391		
	M		M						<.5					<.1
170										170		170		
						Mg Ep Py Z		SILICEOUS ANDESITE 2% magnetite, 1% epidote, 0.5% pyrite. Trace zeolites Trace quartz veins. Weak potassic alteration				50392		
	M		M						0.5					<.1
180										180		180		

HOLE NO.: C-H
COLLAR ELEV.: GROUND ELEV.:
COORDINATES: N. E.
INCLINATION: -90° BEARING: —

PROJECT: Expo WAN 90
DATE STARTED: SEPT 26
DATE FINISHED: SEPT 27
TOTAL DEPTH: 370'

PAGE NO.: 4 OF 7
REF. TO CLAIM CORNER:
SCALE: 1" = 10 feet
LOGGED BY: GARY SUTTON

SECTION	ALTERATION: PROPYLITIC	ALTERATION: PYROPHYLLITE	ALTERATION: SILICA	ALTERATION: SERICITE	FRACTURING	MINERAL	GEOLOGY	DESCRIPTIVE GEOLOGY	% SULPHIDES	DRILLING INTERVAL	HOLE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED % Cu
180						Mg Ep Py Z		**SILICEOUS ANDESITE** 2% magnetite, 1% epidote, minor pyrite. Trace zeolites Weak potassic alteration.		180		180		
	M		M						< .5			50383		< .1
190						Mg Ep Py Lm Z		**SILICEOUS ANDESITE** 2% magnetite, 1% epidote, minor pyrite. Trace limonite, zeolites weak potassic alteration.		190		190		
	M		M						< .5			50384		< .1
200						Ep Py Mg		**SILICEOUS ANDESITE** 1% magnetite, 2% epidote, 1% pyrite. weak potassic alteration.		200		200		
	I		M						1			50385		< .1
210						Mg Ep Py Z Lm		**SILICEOUS ANDESITE** 1-2% magnetite, 1% epidote, 0.5% pyrite. Trace zeolites, limonite Weak potassic alteration		210		210		
	M		M						0.5			50386		< .1
220						Mg Ep Py Lm Z		**SILICEOUS ANDESITE** 1% magnetite, 1% epidote, 0.5% pyrite, minor limonite Trace zeolite. Weak potassic alteration		220		220		
	M		M						0.5			50387		< .1
230						Mg Py Ep Lm Z		**SILICEOUS ANDESITE** 1-2% magnetite, 0.5% pyrite, 0.5% epidote. Minor limonite Trace zeolite. Trace weak potassic alteration		230		230		
	W		M						0.5			50388		< .1
240										240		240		

HOLE NO.: EC - H
COLLAR ELEV.: GROUND ELEV.:
COORDINATES: N. E.
INCLINATION: -90° BEARING: —

PROJECT: Expo WAN 90
DATE STARTED: SEPT 26
DATE FINISHED: SEPT 27
TOTAL DEPTH: 370'

REF. TO CLAIM CORNER:
SCALE: 1" = 10 feet
LOGGED BY: GARY SUTTON

SECTION	ALTERATION: PROPYLITIC	ALTERATION: PYROPHYLLITE	ALTERATION: SILICA	ALTERATION: SERICITE	FRACTURING	MINERAL	GEOLOGY	DESCRIPTIVE GEOLOGY	% SULPHIDES	DRILLING INTERVAL	HOLE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED % Cu
240								COMMENTS: AVE CORE REC'Y / HOLE		240		240		
	W		M			Mg Py Ep Z Lm		SILICEOUS ANDESITE 1% magnetite, 0.5% pyrite, 0.5% epidote Trace zeolites, limonite Weak potassic alteration 25%? Quartz Monzonite	0.5			50399		0.1
250						Mg Py Ep Lm		SILICEOUS ANDESITE 2% magnetite, 1% pyrite, minor epidote, limonite	1	250		250 50400		0.1
	W		I											
260						Mg Py Ep Lm Z		SILICEOUS ANDESITE 1-2% magnetite, 1% pyrite, minor epidote, limonite Trace zeolites	1	260		260 50401		0.1
	W		I											
270						Mg Py Ep Lm		SILICEOUS ANDESITE 1-2% magnetite, 1% pyrite, minor epidote Trace limonite,	1	270		270 50402		0.1
	W		I											
280						Mg Py Ep Z		SILICEOUS ANDESITE 1-2% magnetite, 1% pyrite, 0.5% epidote. Trace zeolite	1	280		280 50403		0.1
	M		I											
290						Mg Py Ep Z		SILICEOUS ANDESITE 1-2% magnetite, 1% pyrite, 0.5% epidote, Trace zeolites 5% Quartz veins	1	290		290 50404		0.1
	M		I											
300										300		300		

HOLE NO.: EC-H | PROJECT: Expo WAN 90 | PAGE NO.: 6 OF 7

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: SEPT 26 | REF. TO CLAIM CORNER:

COORDINATES: N. E. | DATE FINISHED: SEPT 27 | SCALE: 1" = 10 feet

INCLINATION: -90° | BEARING: — | TOTAL DEPTH: 370' | LOGGED BY: GARY SUTTON

SECTION	ALTERATION: PROPYLITIC	ALTERATION: PYROPHYLLITE	ALTERATION: SILICA	ALTERATION: SERICITE	FRACTURING	MINERAL	GEOLOGY	DESCRIPTIVE GEOLOGY	% SULPHIDES	DRILLING INTERVAL	HOLE SIZE	SAMPLE INTERVAL	% REC'Y SAMP. INT.	ESTIMATED % Cu
300						Mg Py Ep Z Lm		SILICEOUS ANDESITE 1% magnetite, 1% pyrite, 0.5% epidote. Trace zeolites, limonite. Weak potassic alteration	1	300		300 S0405		<.1
310	M		I			Mg Py Ep Z		SILICEOUS ANDESITE 1% magnetite, 1% pyrite, 0.5% epidote, Trace zeolites Weak potassic alteration	1	310		310 S0406		<.1
320	M		I			Py Mg Ep Z		~5%? Quartz Monzonite SILICEOUS ANDESITE 1-2% Pyrite, 1% magnetite, 1% epidote. Trace zeolites Weak potassic alteration.	2	320		320 S0407		<.1
330	M		I			Py Mg Ep		SILICEOUS ANDESITE 1-2% pyrite, 1% magnetite, 0.5% epidote. Weak potassic alteration	2	330		330 S0408		<.1
340	M		I			Mg Py Ep		50% SILICEOUS ANDESITE 1-2% magnetite, 1% pyrite, 0.5% epidote	1	340		340 S0409		<.1
350	M		M			Mg Py Ep Z		50% QUARTZ MONZONITE Minor pyrite SILICEOUS ANDESITE 1% magnetite, 1% pyrite, 1% epidote Trace zeolites Minor potassic alteration.	1	350		350 S0410		<.1
360										360		360		

HOLE NO.: EC-H
COLLAR ELEV.: GROUND ELEV.:
COORDINATES: N. E.
INCLINATION: -90° BEARING: —

PROJECT: Expo WAN 90
DATE STARTED: SEPT 26
DATE FINISHED: SEPT 27
TOTAL DEPTH: 370'

PAGE NO.: 7 OF 7
REF. TO CLAIM CORNER:
SCALE: 1" = 10 feet
LOGGED BY: GARY SUTTON

SECTION	ALTERATION: PROPYLITIC	ALTERATION: PYROPHYLLITE	ALTERATION: SILICA	ALTERATION: SERICITE	FRACTURING	MINERAL	GEOLOGY	COMMENTS: / DESCRIPTIVE GEOLOGY	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL		HOLE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED % Cu
360											360			360		
	W		M			Mg Py Ep Z		SILICEOUS ANDESITE 1-2% magnetite, 1% pyrite, 0.5% epidote. Trace zeolites Weak potassic alteration		1				11405		2.1
370								370 END OF HOLE			370			370		

HOLE NO.: EC-J
COLLAR ELEV.: GROUND ELEV.:
COORDINATES: N. E.
INCLINATION: -90° BEARING: —

PROJECT: Expo WAN 90
DATE STARTED: SEPT 23
DATE FINISHED: SEPT 24
TOTAL DEPTH: 200

PAGE NO.: 1 OF 4
REF. TO CLAIM CORNER:
SCALE: 1" = 10 feet
LOGGED BY: GARY SUTTON

SECTION	ALTERATION: PROPYLITIC	ALTERATION: PYROPHYLLITE	ALTERATION: SILICA	ALTERATION: SERICITE	FRACTURING	MINERAL	GEOLOGY	COMMENTS: / DESCRIPTIVE GEOLOGY	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	HOLE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED % Cu
0								0 – 10′ OVERBURDEN 10 – 28′ FLOAT			0		0		
10								– Pyritic quartz veins – Siliceous andesite, intensely silicified, pyritic – Siliceous andesite, weakly silicified – Diorite		<1	10		10 50332		<.1
20								– Pyritic quartz veins – Siliceous andesite, intensely silicified, pyritic – Siliceous andesite, weakly silicified – Diorite, Hornblende porphyry		<1	20		20 50333		<.1
30			M			Mg Py		SILICEOUS ANDESITE 2% pyrite, minor magnetite, pyrite. Pyrite veinlets + disseminated no alteration products		2	30		30 50334		<.1
40			I			Py Mg		SILICEOUS ANDESITE 2% pyrite, 0.5% magnetite		2	40		40 50335		<.1
50			I			Py Mg		SILICEOUS ANDESITE 2% pyrite, 0.5% magnetite		2	50		50 50336		<.1
60											60		60		

HOLE NO.: EC - J
COLLAR ELEV.: GROUND ELEV.:
COORDINATES: N. E.
INCLINATION: -90° BEARING: —

PROJECT: Expo WAN 90
DATE STARTED: SEPT 23
DATE FINISHED: SEPT 24
TOTAL DEPTH: 200'

REF. TO CLAIM CORNER:
SCALE: 1" = 10 feet
LOGGED BY: GARY SUTTON

SECTION	ALTERATION: PROPYLITIC	ALTERATION: PYROPHYLLITE	ALTERATION: SILICA	ALTERATION: SERICITE	FRACTURING	MINERAL	GEOLOGY	DESCRIPTIVE GEOLOGY	% SULPHIDES	DRILLING INTERVAL	HOLE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED % Cu
60						Py Mg		SILICEOUS ANDESITE 2% pyrite, 0.5% magnetite		60		60 50337 R 50338		
			M						2					< .1
70						Py Mg Lm Z		SILICEOUS ANDESITE 1-2% pyrite, 0.5% magnetite, minor limonite, trace zeolites limonite as diffuse patches around pyrite		70				
			M						2					< .1
80						Py Mg Ct Lm Z		SILICEOUS ANDESITE 1-2% pyrite, 0.5% magnetite, 1% pyritic calcite veins trace limonite, zeolites		80		80 50339		
			M						2					< .1
90						Py Mg Ct Lm		SILICEOUS ANDESITE 2% pyrite, 0.5% magnetite, 0.5% pyritic calcite veins trace limonite		90		90 50340		
			M						2					< .1
100						Py Mg Ct Z		SILICEOUS ANDESITE 2% Pyrite, 0.5% magnetite, minor pyritic calcite veins trace zeolites		100		100 50341		
			M						2					< .1
110						Py Mg Ct		SILICEOUS ANDESITE 2% pyrite, 0.5% magnetite, minor pyritic calcite veins		110		110 50342		
			M						2					< .1
120										120		120		

HOLE NO.: EC - J
COLLAR ELEV.: GROUND ELEV.:
COORDINATES: N. E.
INCLINATION: -90° BEARING: —

PROJECT: Expo WAN 90
DATE STARTED: SEPT 23
DATE FINISHED: SEPT 24
TOTAL DEPTH: 200'

PAGE NO.: 3 OF 4
REF. TO CLAIM CORNER:
SCALE: 1" = 10 feet
LOGGED BY: GARY SUTTON

COMMENTS:

AVE CORE REC'Y / HOLE

SECTION	ALTERATION: PROPYLITIC	ALTERATION: PYROPHYLLITE	ALTERATION: SILICA	ALTERATION: SERICITE	FRACTURING	MINERAL	GEOLOGY	DESCRIPTIVE GEOLOGY	% SULPHIDES	DRILLING INTERVAL	HOLE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED % Cu
120						Py Mg Ct Ep		SILICEOUS ANDESITE 2% pyrite, minor magnetite, minor pyritic calcite veins trace epidote	2	120		120 50343		<.1
130			M			Py Mg Ep		SILICEOUS ANDESITE 2% pyrite, minor magnetite, trace epidote	2	130		130 50344		<.1
140			M			Py Mg Ep		SILICEOUS ANDESITE 2% pyrite, minor magnetite, trace epidote possible mdy (blue metallic shine), weak potassic alteration	2	140		140 50345		<.1
150	W		M			Py Ep Mg		SILICEOUS ANDESITE 2% pyrite, minor epidote, magnetite	2	150		150 50346		<.1
160	W		M			Py Ep Mg Z		SILICEOUS ANDESITE 2% pyrite, minor epidote, magnetite, trace zeolites	2	160		160 50347		<.1
170	W		M			Py Z Ep Lm Mg		SILICEOUS ANDESITE 2-3% pyrite, minor zeolites, epidote, limonite, magnetite	3	170		170 50348		<.1
180										180		180		

HOLE NO.: EC-J
COLLAR ELEV.: GROUND ELEV.:
COORDINATES: N. E.
INCLINATION: -90° BEARING: —

PROJECT: Expo WAN 90
DATE STARTED: SEPT 23
DATE FINISHED: SEPT 24
TOTAL DEPTH: 200'

PAGE NO.: 4 OF 4
REF. TO CLAIM CORNER:
SCALE: 1" = 10 feet
LOGGED BY: GARY SUTTON

SECTION	ALTERATION: PROPYLITIC	ALTERATION: PYROPHYLLITE	ALTERATION: SILICA	ALTERATION: SERICITE	FRACTURING	MINERAL	GEOLOGY	COMMENTS: / DESCRIPTIVE GEOLOGY	AVE CORE REC'Y / HOLE	SULPHIDES	DRILLING INTERVAL	HOLE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED % Cu
180						Py Mg Ep Z Lm		SILICEOUS ANDESITE 2% pyrite, minor magnetite, epidote, trace zeolites, limonite			180		180		
	W		M							2			50349		<.1
190						Py Mg Ep Z Ct		SILICEOUS ANDESITE 2% pyrite, minor magnetite, epidote, trace zeolites, calcite			190		190		
	W		M							2			50350		<.1
200								200' END OF HOLE			200		200		

HOLE NO.: EC-K
COLLAR ELEV.: GROUND ELEV.:
COORDINATES: N. E.
INCLINATION: -90° BEARING: —

PROJECT: Expo WAN 90
DATE STARTED: SEPT 24
DATE FINISHED: SEPT 25
TOTAL DEPTH: 260'

PAGE NO.: 1 OF 5
REF. TO CLAIM CORNER:
SCALE: 1" = 10 feet
LOGGED BY: GARY SUTTON

SECTION	ALTERATION: PROPYLITIC	ALTERATION: PYROPHYLLITE	ALTERATION: SILICA	ALTERATION: SERICITE	FRACTURING	MINERAL	GEOLOGY	COMMENTS: / DESCRIPTIVE GEOLOGY	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	HOLE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED % Cu
0								0-10 OVERBURDEN			0		0		
10	W	W				Py Mg Ep Lm Ct		SILICEOUS ANDESITE 2% pyrite, minor magnetite, epidote, limonite, minor calcite Sample probably contaminated with float, pyrite as veinlets + dissem. and in quartz veins.		2	10		10 50351		<.1
20	W	W				Py Mg Ep Ct Lm		SILICEOUS ANDESITE 1-2% pyrite, minor magnetite, epidote, calcite. Trace limonite		2	20		20 50352		<.1
30	W	W				Py Mg Ep Ct		SILICEOUS ANDESITE 1-2% pyrite, minor magnetite. Trace epidote, calcite Weak potassic alteration		2	30		30 50353		<.1
40	W	W				Py Mg Ep		SILICEOUS ANDESITE 2% pyrite, minor magnetite, epidote Weak potassic alteration		2	40		40 50354		<.1
50	W	W				Py Mg Ep Lm Ct		SILICEOUS ANDESITE 2% pyrite, minor magnetite, epidote. Trace limonite, calcite Weak potassic alteration		2	50		50 50355		<.1
60											60		60		

HOLE NO.: EC-K
COLLAR ELEV.: GROUND ELEV.:
COORDINATES: N. E.
INCLINATION: -90° BEARING: —

PROJECT: Expo WAN 90
DATE STARTED: SEPT 24
DATE FINISHED: SEPT 25
TOTAL DEPTH: 260'

PAGE NO.: 2 OF 5
REF. TO CLAIM CORNER:
SCALE: 1" = 10 feet
LOGGED BY: GARY SUTTON

COMMENTS:

AVE CORE REC'Y / HOLE

SECTION	ALTERATION: PROPYLITIC	ALTERATION: PYROPHYLLITE	ALTERATION: SILICA	ALTERATION: SERICITE	FRACTURING	MINERAL	GEOLOGY	DESCRIPTIVE GEOLOGY	% SULPHIDES	DRILLING INTERVAL	HOLE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED % Cu
60						Py Mg Ep Lm		SILICEOUS ANDESITE 2% pyrite, 1% magnetite, minor epidote. Trace limonite Weak potassic alteration	2	60		60 50356		<.1
70	W		W			Py Mg Ep		SILICEOUS ANDESITE 2% pyrite, 1% magnetite, minor epidote, pyritic quartz veins weak potassic alteration	2	70		70 50357		<.1
80						Py Mg Ep Lm Z		SILICEOUS ANDESITE 2% pyrite, 1% magnetite, minor epidote, limonite Trace zeolites	2	80		80 50358		<.1
90	W	W	W			Py Mg Lm Ep		SILICEOUS ANDESITE 2% pyrite, 1% magnetite, minor limonite, epidote 1% pyritic quartz veins weak potassic alteration	2	90		90 50359		<.1
100	W	W	W			Py Mg Lm Ep		SILICEOUS ANDESITE 2% pyrite, 1% magnetite, minor limonite, epidote 1% pyritic quartz veins, weak potassic alteration	2	100		100 50360		<.1
110	W	M	M			Py Mg Lm Ep		SILICEOUS ANDESITE 2-3% pyrite, 1% magnetite, 0.5% limonite, Minor epidote	3	110		110 50361		.1
120								2% pyritic quartz veins		120		120		

HOLE NO.: EC - K | PROJECT: Expo WAN 90 | PAGE NO.: 3 OF 5

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: SEPT 24 | REF. TO CLAIM CORNER:

COORDINATES: N. E. | DATE FINISHED: SEPT 25 | SCALE: 1" = 10 feet

INCLINATION: -90° | BEARING: — | TOTAL DEPTH: 260' | LOGGED BY: GARY SUTTON

SECTION	ALTERATION: PROPYLITIC	ALTERATION: PYROPHYLLITE	ALTERATION: SILICA	ALTERATION: SERICITE	FRACTURING	MINERAL	GEOLOGY	DESCRIPTIVE GEOLOGY	% SULPHIDES	DRILLING INTERVAL	HOLE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED % Cu
120								COMMENTS: AVE CORE REC'Y / HOLE		120		120		
	W		M			Py Mg Ep Lm		SILICEOUS ANDESITE 2% pyrite, 1% magnetite, minor epidote. Trace limonite, weak potassic alteration	2			50362		0.1
130										130		130		
	M		M			Py Mg Ep Lm		SILICEOUS ANDESITE 1-2% pyrite, 1-2% magnetite, 1% epidote, 1% limonite minor calcite veins. moderate potassic alteration	1.5			50363		0.1
140										140		140		
	M		M			Mg Py Ep Lm Z		SILICEOUS ANDESITE 2% magnetite, 1% pyrite, minor epidote, limonite Trace zeolites Moderate potassic alteration	1			50364		0.1
150										150		150		
	W					Py Mg Ep		70% QUARTZ MONZONITE 1% pyrite, minor magnetite, epidote	2			50365		0.1
	M		I	Py ½	Mg	Ep	Lm	30% SILICEOUS ANDESITE 2% pyrite, 1% magnetite, 1% epidote, minor limonite, zeolites Moderate Potassic alteration		160		160		
160						Mg Py		90% QUARTZ MONZONITE						
	W					Ep Lm		2% magnetite, 1% pyrite, minor epidote limonite 10% SILICEOUS ANDESITE 2% pyrite, 1% magnetite, minor epidote	1			50366		0.1
170	M		I		Py	Mg	Ep			170		170		
	M		I			Mg Py Ep Lm		90% SILICEOUS ANDESITE 2% magnetite, 2% pyrite, minor epidote, limonite calcite Moderate potassic alteration	2			50367		0.1
180						Ct		10% QUARTZ MONZONITE		180		180		

HOLE NO.: EC-K | PROJECT: Expo WAN 90 | PAGE NO.: 4 OF 5

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: SEPT 24 | REF. TO CLAIM CORNER:

COORDINATES: N. E. | DATE FINISHED: SEPT 25 | SCALE: 1" = 10 feet

INCLINATION: -90° | BEARING: — | TOTAL DEPTH: 260' | LOGGED BY: GARY SUTTON

SECTION	ALTERATION: PROPYLITIC	ALTERATION: PYROPHYLLITE	ALTERATION: SILICA	ALTERATION: SERICITE	FRACTURING	MINERAL	GEOLOGY	COMMENTS: / DESCRIPTIVE GEOLOGY	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	HOLE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED % Cu
180											180		180		
	W					Mg Py Ep Z		QUARTZ MONZONITE 1% magnetite, minor pyrite, Trace zeolites, epidote		1			50368		<.1
								5% SILICEOUS ANDESITE - 2% magnetite, 2% epidote			190		190		
190						Mg Py Ep Lm Ct		QUARTZ MONZONITE 1% magnetite, 0.5% pyrite, minor epidote Trace limonite, calcite		.5			50369		<.1
	W										200		200		
200						Mg Py Ep		QUARTZ MONZONITE 1% magnetite, minor pyrite, trace epidote		.5			50370		<.1
											210		210		
210						Mg Py Z Ct		QUARTZ MONZONITE 1% magnetite, minor pyrite, Trace zeolite, calcite		.5			50371		<.1
											220		220		
220						Mg Py Z Ep Ct		QUARTZ MONZONITE 1% magnetite, minor pyrite, Trace zeolite, epidote minor calcite veins		.5			50372		<.1
											230		230		
230						Mg Py Ep Ct		QUARTZ MONZONITE 2% magnetite, minor pyrite, trace epidote, calcite		<.5			50373		<.1
240											240		240		

HOLE NO.: EL - K
COLLAR ELEV.: GROUND ELEV.:
COORDINATES: N. E.
INCLINATION: -90° BEARING: —

PROJECT: Expo WAN 90
DATE STARTED: SEPT 24
DATE FINISHED: SEPT 25
TOTAL DEPTH: 260'

PAGE NO.: 5 OF 5
REF. TO CLAIM CORNER:
SCALE: 1" = 10 feet
LOGGED BY: GARY SUTTON

SECTION	ALTERATION: PROPYLITIC	ALTERATION: PYROPHYLLITE	ALTERATION: SILICA	ALTERATION: SERICITE	FRACTURING	MINERAL	GEOLOGY	COMMENTS: / DESCRIPTIVE GEOLOGY	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL		HOLE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED % Cu
240						Mg Py Ep		QUARTZ MONZONITE 2-3% magnetite, minor pyrite, trace epidote		1.5	240			240 50374		< .1
250						Mg Py Ep Z		QUARTZ MONZONITE 2-3% magnetite, minor pyrite, trace epidote, zeolite		1.5	250			250 50375		< .1
260								260' END OF HOLE			260			260		

HOLE NO.: EC-0 | PROJECT: Expo WAN 90 | PAGE NO.: 1 of 6

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: SEPT 22 | REF. TO CLAIM CORNER:

COORDINATES: N. E. | DATE FINISHED: SEPT 23 | SCALE: 1" = 10 feet

INCLINATION: -90° | BEARING: — | TOTAL DEPTH: 320' | LOGGED BY: GARY SUTTON

SECTION	ALTERATION: PROPYLITIC	PYROPHYLLITE	SILICA	SERICITE	FRACTURING	MINERAL	GEOLOGY	COMMENTS: / DESCRIPTIVE GEOLOGY	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	HOLE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED % Cu
0								0-12' OVERBURDEN			10		12		
10			I			Qz Py Mg Ct		SILICEOUS ANDESITE with 10-20% quartz veins, 1-2% pyrite diss and vnlts along margins of quartz veins, 1-2% magnetite diss in quartz veins and andesite, carbonate veins minor amount,		1			50301		< .1
20											20		20		
	W		I			Qz Py Mg Ct Ep		SILICEOUS ANDESITE with 10-20% quartz veins, 1-2% pyrite diss and vnlts along margins of quartz veins, 1-2% magnetite, minor carbonate veins, trace epidote		1			50302		< .1
30						Qz Py		SILICEOUS ANDESITE with 20% quartz veins, 2% pyrite, 2%			30		30		
	W		I			Mg Ct Ep		magnetite, trace epidote, minor carbonate		1			50303		< .1
40						Qz Mg Py Ct Ep		SILICEOUS ANDESITE with 10% quartz veins, 3% magnetite, 1-2% diss Py. Diss magnetite along qtz vnlt margin, 1% calcite		1	40		40 50304		< .1
50	W		M			Qz Ct Mg Py Ep		SILICEOUS ANDESITE with 10-20% qtz vns, 2% magnetite, 1-2% py as vnlts + diss, 1-3% calcite		1	50		50 50305		< .1
60											60		60		

HOLE NO.: EC-0 | PROJECT: Expo WAN 90 | PAGE NO.: 2 OF 6

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: SEPT 22 | REF. TO CLAIM CORNER:

COORDINATES: N. E. | DATE FINISHED: SEPT 23 | SCALE: 1" = 10 feet

INCLINATION: -90° | BEARING: — | TOTAL DEPTH: 320' | LOGGED BY: GARY SUTTON

SECTION	ALTERATION: PROPYLITIC	ALTERATION: PYROPHYLLITE	ALTERATION: SILICA	ALTERATION: SERICITE	FRACTURING	MINERAL	GEOLOGY	DESCRIPTIVE GEOLOGY	% SULPHIDES	DRILLING INTERVAL	HOLE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED % Cu
60						Qz Ct Mg Py Lm ep		SIL ANDS with 10% qtz-calcite vns, 2% magnetite, 1% pyrite vnlts + diss, traces Limonite, epidote	1	60		60 50306		<.1
70	W		M			Qz Ct Mg Py Lm ep		SIL ANDS with 5-10% qtz-calcite vns, 2% magnetite, 1% pyrite vnts + diss, trace lim + epid.	1	70		70 50307		<.1
80						Mg Py Lm ep		SIL ANDS with 5% qtz-calcite vns, 0.5% pyrite, 1-2% magnetite minor limonite + epidote	1	80		80 50308		<.1
90	W		W			Mg Py Lm Ep		SIL ANDS with 10% qtz-calcite vns, 1% pyrite, 2% magnetite, minor limonite, trace epidote	1	90		90 50309		<.1
100	W		M			Mg Py Lm		SIL ANDS with 5% qtz-calcite vns, 0.5% pyrite, 2% magnetite, minor limonite	0.5	100		100 50310		<.1
110			W			Mg Py Lm		SIL ANDS with 3-5% qtz-calcite vns, 0.5% pyrite, 2% magnetite, minor limonite	0.5	110		110 50311		<.1
120			M							120		120		

HOLE NO.: EC-0 | PROJECT: Expo WAN 90 | PAGE NO.: 3 OF 6

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: SEPT 22 | REF. TO CLAIM CORNER:

COORDINATES: N. E. | DATE FINISHED: SEPT 23 | SCALE: 1" = 10 feet

INCLINATION: -90° | BEARING: — | TOTAL DEPTH: 320' | LOGGED BY: GARY SUTTON

SECTION	ALTERATION: PROPYLITIC	ALTERATION: PYROPHYLLITE	ALTERATION: SILICA	ALTERATION: SERICITE	FRACTURING	MINERAL	GEOLOGY	DESCRIPTIVE GEOLOGY	SULPHIDES	DRILLING INTERVAL	HOLE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED % Cu
120								COMMENTS: AVE CORE REC'Y / HOLE		120		120		
	W		M			Mg Py Lm Ep		SIL ANDS with 10% qtz-calcite vns, mostly quartz(8%), calcite(2%) 1% pyrite, 2% magnetite, trace limonite, epidote	1			50312		<.1
130	M		I			Mg Py Lm Ep		SIL ANDS with 10% qtz-calcite vns, 2% magnetite, 1% pyrite, 1% limonite 1% epidote, minor potassic alteration, very little calcite (<1%)	1	130		130 50313		<.1
140	M		I			Mg Py Lm Ep		SIL ANDS with minor quartz vns, 2% magnetite, 1% pyrite, 1% limonite, 1% epidote, Trace calcite	1	140		140 50314		<.1
150	M		I			Py Mg Ep Lm		SIL ANDS with moderate potassic alteration, 2% vn quartz, 1% magnetite, 1% pyrite, 1% epidote, minor limonite, Trace calcite	1	150		150 50315		<.1
160	M		I			Py Mg Ep Lm		SIL ANDS with minor potassic alteration, 1% pyrite, 1% magnetite, 1% epidote, minor limonite	1	160		160 50316		<.1
170	M		I			Mg Py Ep Lm		SIL ANDS with minor potassic alteration, 1% magnetite, 1% epidote 0-5% pyrite, minor limonite	0.5	170		170 50317		<.1
180										180		180		

HOLE NO.: EC-0 | PROJECT: Expo WAN 90 | PAGE NO.: 4 OF 6

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: SEPT 22 | REF. TO CLAIM CORNER:

COORDINATES: N. E. | DATE FINISHED: SEPT 23 | SCALE: 1" = 10 feet

INCLINATION: -90° | BEARING: — | TOTAL DEPTH: 320' | LOGGED BY: GARY SUTTON

SECTION	ALTERATION: PROPYLITIC	ALTERATION: PYROPHYLLITE	ALTERATION: SILICA	ALTERATION: SERICITE	FRACTURING	MINERAL	GEOLOGY	DESCRIPTIVE GEOLOGY	% SULPHIDES	DRILLING INTERVAL	HOLE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED % Cu
180								COMMENTS: AVE CORE REC'Y / HOLE		180		180		
	M		I			Mg Ep Py Lm Z		SIL ANDS with moderate potassic alteration, 2% magnetite, 1% epidote, 0.5% pyrite, minor Limonite. trace of zeolites,	0.5			50318		<.1
190	M		I			Mg Py Ep Lm Z		SIL ANDS with moderate potassic alteration, 2% magnetite, 1% Epidote, 1% Pyrite, minor Limonite, Trace zeolites,	1	190		190 50319		<.1
200	M		I			Mg Ep Py Lm Z		SIL ANDS with moderate potassic alteration, 2% magnetite, 1-2% epidote, 0.5% pyrite, minor Limonite Trace of zeolite	0.5	200		200 50320		<.1
210	M		H			Mg Ep Py Lm		SIL ANDS with moderate potassic alteration, 2% magnetite, 1% epidote, 0.5% pyrite, minor limonite	0.5	210		210 50321		<.1
220	W		M			Mg Py Ep Lm		SIL ANDS with moderate potassic alteration, 1% magnetite, 1% pyrite, 1% Limonite, Minor epidote minor pyritic quartz veins.	1	220		220 50322		<.1
230	W		M			Py Mg Ep Lm		SIL ANDS with minor potassic alteration, 1% magnetite, 1-2% pyrite minor epidote, limonite. Trace pyrrhotite	1	230		230 50323		<.1
240						Po				240		240		

HOLE NO.: EC-0 | PROJECT: Expo WAN 90 | PAGE NO.: 5 OF 6

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: SEPT 22 | REF. TO CLAIM CORNER:

COORDINATES: N. E. | DATE FINISHED: SEPT 23 | SCALE: 1" = 10 feet

INCLINATION: -90° | BEARING: — | TOTAL DEPTH: 320' | LOGGED BY: GARY SUTTON

SECTION	ALTERATION: PROPYLITIC	ALTERATION: PYROPHYLLITE	ALTERATION: SILICA	ALTERATION: SERICITE	FRACTURING	MINERAL	GEOLOGY	DESCRIPTIVE GEOLOGY	% SULPHIDES	DRILLING INTERVAL	HOLE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED % Cu
240								COMMENTS: AVE CORE REC'Y / HOLE		240		240		
	W		M			Py Mg Ep Lm		SIL ANDS with moderate potassic alteration, 1% pyrite, 1% magnetite, epidote, trace limonite	1			50324		4.1
250						Py Mg Lm Ep		SIL ANDS with moderate potassic alteration, 1% pyrite, 1% magnetite, minor limonite, epidote.	1	250		250 50325		4.1
	W		M											
260						Py Mg Ep Lm		SIL ANDS with moderate potassic alteration, 1% pyrite, 1% magnetite, minor epidote, limonite,	1	260		260 50326		4.1
	W		I											
270						Mg Py Ep Lm Z		SIL ANDS with moderate potassic alteration, 1% magnetite, 1% pyrite, minor epidote, Trace Limonite, , zeolite	1	270		270 50327		4.1
	W		I											
280						Py Mg Ep Lm Z		SIL ANDS with moderate potassic alteration, 1-2% pyrite, 1% magnetite, minor epidote, , trace limonite, zeolite	1	280		280 50328		4.1
	W		I											
290						Py Mg Ep Lm		SIL ANDS with moderate potassic alteration, 1% pyrite, 1% magnetite, minor epidote limonite	1	290		290 50329		4.1
	W		M											
300										300		300		

HOLE NO.: EC-0
COLLAR ELEV.: GROUND ELEV.:
COORDINATES: N. E.
INCLINATION: -90° BEARING: —

PROJECT: Expo WAN 90
DATE STARTED: SEPT 22
DATE FINISHED: SEPT 23
TOTAL DEPTH: 320'

PAGE NO.: 6 OF 6
REF. TO CLAIM CORNER:
SCALE: 1" = 10 feet
LOGGED BY: GARY SUTTON

SECTION	ALTERATION: PROPYLITIC	ALTERATION: PYROPHYLLITE	ALTERATION: SILICA	ALTERATION: SERICITE	FRACTURING	MINERAL	GEOLOGY	DESCRIPTIVE GEOLOGY	% SULPHIDES	DRILLING INTERVAL	HOLE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED % Cu
300	W		M			Py Mg Ep Lm		SIL ANDS with moderate potassic alteration, 1% pyrite, 1% magnetite, minor epidote, trace limonite	1	300		300 50330		.1
310	W		M			Py Mg Ep Lm		SIL ANDS with moderate potassic alteration, 1% pyrite, 1% magnetite, minor epidote, Limonite	1	310		310 50331		.1
320								320' End of Hole		320		320		

AVE CORE REC'Y / HOLE
COMMENTS:

HOLE NO.: WAN-N | PROJECT: WAN 90 | PAGE NO.: 1 OF 5

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: OCTOBER 22 | REF. TO CLAIM CORNER:

COORDINATES: N. E. | DATE FINISHED: OCTOBER 23 | SCALE: 1" = 10 feet

INCLINATION: -90° | BEARING: — | TOTAL DEPTH: 270' | LOGGED BY: GARY SUTTON

SECTION	ALTERATION: PROPYLITIC	ALTERATION: PYROPHYLLITE	ALTERATION: SILICA	ALTERATION: SERICITE	FRACTURING	MINERAL	GEOLOGY	DESCRIPTIVE GEOLOGY	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED % Cu
0								COMMENTS: AVE CORE REC'Y / HOLE		0			0		
	W		M			Mg Py Gp Lm Ct Cp?		SILICEOUS ANDESITE 2% magnetite, 1% pyrite, minor epidote, trace limonite minor calcite veins, possible chalcopyrite?	1				LISOG		<.1
10						Mg Py Gp Ct		QUARTZ MONZONITE 30% Siliceous andesite 2% magnetite, 1% pyrite, minor epidote, calcite veins	1	10			10 8/SOG		<.1
	W		M I							20			20		
20	W		M I			Mg Py Gp Ct		QUARTZ MONZONITE 30% Siliceous Andesite 2% magnetite, 1% pyrite, minor epidote, calcite veins	1				61SOG		<.1
30										30			30		
	W		M			Mg Py Gp Lm Ct		SILICEOUS ANDESITE 2% magnetite, 1% pyrite, minor epidote, trace limonite, calcite veins	1				02SOG		<.1
40										40			40		
	W		W			Mg Py Gp Lm		SILICEOUS ANDESITE 2% magnetite, 1% pyrite, minor epidote, trace limonite 5% quartz monzonite	1				12SOG		<.1
	M		M							50			50		
50	W		W			Mg Gp Py		SILICEOUS ANDESITE 2% magnetite, minor epidote, pyrite Weak potassic alteration	1.5				22SOG		<.1
60										60			60		

HOLE NO.: WAN-N | PROJECT: WAN 90 | PAGE NO.: 2 OF 5

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: OCTOBER 22 | REF. TO CLAIM CORNER:

COORDINATES: N. E. | DATE FINISHED: OCTOBER 23 | SCALE: 1" = 10 feet

INCLINATION: -90° | BEARING: — | TOTAL DEPTH: 270' | LOGGED BY: GARY SUTTON

SECTION	ALTERATION: PROPYLITIC	ALTERATION: PYROPHYLLITE	ALTERATION: SILICA	ALTERATION: SERICITE	FRACTURING	MINERAL	GEOLOGY	COMMENTS: DESCRIPTIVE GEOLOGY	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	HOLE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED % Cu
60											60		60		
	V M		W			Mg Go Py		SILICEOUS ANDESITE 2-3% magnetite, minor epidote, pyrite weak potassic alteration		1.5			60523		<.1
70						Mg Py Ep Lm Ct		SILICEOUS ANDESITE 2-3% magnetite, 0.5% pyrite, minor epidote, trace limonite, calcite veins weak potassic alteration		0.5	70		70 60524		<.1
	W M		W												
80						Mg Py Ep		SILICEOUS ANDESITE 3% magnetite, 1% pyrite, 0.5% epidote weak potassic alteration		1	80		80 60525		<.1
	M		W												
90						Mg Py Ep Ct		SILICEOUS ANDESITE 3% magnetite, 1% pyrite, 0.5% epidote, trace calcite veins weak potassic alteration ~5% quartz monzonite		1	90		90 60526		<.1
	M		W M												
100						Mg Py Ep Lm		SILICEOUS ANDESITE 3% magnetite, 0.5% pyrite, minor epidote, trace limonite		0.5	100		100 60527		<.1
	W M		W												
110						Mg Py		50% QUARTZ MONZONITE 2% magnetite, 1% pyrite 50% SILICEOUS ANDESITE 2% magnetite, 1% pyrite		1	110		110 60528		<.1
	W		H M												
120											120		120		

HOLE NO.: WAN-N | PROJECT: WAN 90 | PAGE NO.: 3 OF 5

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: OCTOBER 22 | REF. TO CLAIM CORNER:

COORDINATES: N. E. | DATE FINISHED: OCTOBER 23 | SCALE: 1" = 10 feet

INCLINATION: -90° | BEARING: — | TOTAL DEPTH: 270' | LOGGED BY: GARY SUTTON

SECTION	ALTERATION: PROPYLITIC	ALTERATION: PYROPHYLLITE	ALTERATION: SILICA	ALTERATION: SERICITE	FRACTURING	MINERAL	GEOLOGY	COMMENTS: / DESCRIPTIVE GEOLOGY	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	HOLE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED % Cu
120											120		120		
	W		M			Mg Py Ep Lm		SILICEOUS ANDESITE 2% magnetite, 1% pyrite, minor epidote, trace limonite		1			60529		<.1
130											130		130		
	W M		M			Mg Py Ep Lm		SILICEOUS ANDESITE 2% magnetite, 2% pyrite, minor epidote, trace limonite Weak potassic alteration		1			60530		<.1
140											140		140		
	W M		M H			Mg Py Ep Lm		SILICEOUS ANDESITE 2% magnetite, 1.5% pyrite, 0.5% epidote, trace limonite Weak potassic alteration ~5% quartz monzonite		1.5			60531		<.1
150											150		150		
	W		M			Mg Py Ep Lm		50% QUARTZ MONZONITE 2% magnetite, 1% pyrite 50% SILICEOUS ANDESITE 2% magnetite, 1% pyrite, minor epidote, limonite		1			60532		<.1
160											160		160		
	W		M H			Mg Py Ep Lm		SILICEOUS ANDESITE 2% magnetite, 1% pyrite, minor epidote, trace limonite		1			60533		<.1
170											170		170		
	W		M H			Mg Py Ep Lm Ce		SILICEOUS ANDESITE 2% magnetite, 1% pyrite, minor epidote, trace limonite, calcite veins Weak potassic alteration		1			60534		<.1
180											180		180		

HOLE NO.: WAN-N | PROJECT: WAN 90 | PAGE NO.: 4 OF 5

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: OCTOBER 22 | REF. TO CLAIM CORNER:

COORDINATES: N. E. | DATE FINISHED: OCTOBER 23 | SCALE: 1" = 10 feet

INCLINATION: -90° | BEARING: — | TOTAL DEPTH: 270' | LOGGED BY: GARY SUTTON

SECTION	ALTERATION: PROPYLITIC	ALTERATION: PYROPHYLLITE	ALTERATION: SILICA	ALTERATION: SERICITE	FRACTURING	MINERAL	GEOLOGY	COMMENTS: / DESCRIPTIVE GEOLOGY	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	HOLE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED % Cu
180						Mg Py Ep Lm Ct		SILICEOUS ANDESITE 2-3% magnetite, 1% pyrite, 0.5% epidote, trace limonite, calcite - quartz veins Weak potassic alteration		1	180		180 60535		<.1
190	W M		M H			Mg Py Ep		SILICEOUS ANDESITE 2-3% magnetite, 1% pyrite, 0.5% epidote, trace quartz veins epidote and magnetite veinlets Weak potassic alteration		1	190		190 60536		<.1
200	W M		M			Mg Py Ep Lm		SILICEOUS ANDESITE 2% magnetite, 1% pyrite, minor epidote, trace limonite, quartz veins epidote veinlet.		1	200		200 60537		<.1
210	W M		M			Mg Py Ep		50% QUARTZ MONZONITE 2% magnetite, 1% pyrite 50% SILICEOUS ANDESITE 2% magnetite, 1% pyrite, minor epidote		1	210		210 60538		<.1
220						Mg Py Ep		QUARTZ MONZONITE 1-2% magnetite, 1% pyrite, minor epidote		1	220		220 60539		<.1
230						Mg Py Ep Ct		QUARTZ MONZONITE 1-2% magnetite, 1% pyrite, minor epidote, trace calcite veins		1	230		230 60540		<.1
240											240		240		

HOLE NO.: WAN-N | PROJECT: WAN 90 | PAGE NO.: 5 OF 5

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: OCTOBER 22 | REF. TO CLAIM CORNER:

COORDINATES: N. E. | DATE FINISHED: OCTOBER 23 | SCALE: 1" = 10 feet

INCLINATION: -90° | BEARING: — | TOTAL DEPTH: 270' | LOGGED BY: GARY SUTTON

SECTION	ALTERATION: PROPYLITIC	ALTERATION: PHYLLITE	ALTERATION: SILICA	ALTERATION: SERICITE	FRACTURING	MINERAL	GEOLOGY	COMMENTS: / DESCRIPTIVE GEOLOGY	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	HOLE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED % Cu
240						Mg Py Ep		SILICEOUS ANDESITE 2% magnetite, 1% pyrite, minor epidote 30% quartz monzonite 2% magnetite, 1% pyrite			240		240		
	W		MI							1			60501		<.1
250						Mg Py Ep Cm		SILICEOUS ANDESITE 2% magnetite, 1% pyrite, minor epidote, trace limonite			250		250		
	W		MI							1			60542		<.1
260						Mg Py Ep Cm		SILICEOUS ANDESITE 2% magnetite, 1% pyrite, minor epidote, trace limonite 30% quartz monzonite 2% magnetite, 1% pyrite			260		260		
	W		MI							1			60543		<.1
270								270' END OF HOLE			270		270		

HOLE NO.: WAN - M | PROJECT: WAN 90 | PAGE NO.: 1 OF 3

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: OCTOBER 21 | REF. TO CLAIM CORNER:

COORDINATES: N. E. | DATE FINISHED: OCTOBER 22 | SCALE: 1" = 10 feet

INCLINATION: -90° | BEARING: — | TOTAL DEPTH: 170' | LOGGED BY: GARY SUTTON

SECTION	ALTERATION: PROPYLITIC	ALTERATION: PYROPHYLLITE	ALTERATION: SILICA	ALTERATION: SERICITE	FRACTURING	MINERAL	GEOLOGY	COMMENTS: / DESCRIPTIVE GEOLOGY	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL		HOLE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED % Cu
0											0			0		
	W		M H			Py Mg Ep Lm		SILICEOUS ANDESITE 1% pyrite, 1% magnetite, minor epidote, trace limonite		1				60490		< .1
10											10			10		
	W		M H			Py Mg Ep Lm		SILICEOUS ANDESITE 1.5% pyrite, 1% magnetite, minor epidote, trace limonite		1.5				60501		< .1
20											20			20		
	W M		M H			Py Mg Ep Lm Z		SILICEOUS ANDESITE 1% pyrite, 1% magnetite, minor epidote, trace limonite, zeolites Weak potassic alteration		1				60502		< .1
30											30			30		
	W M		M H			Mg Py Ep		SILICEOUS ANDESITE 2% magnetite, 1% pyrite, minor epidote weak potassic alteration		1				60503		< .1
40											40			40		
	W M		M I			Mg Py Ep		SILICEOUS ANDESITE 2% magnetite, 1% pyrite, minor epidote weak potassic alteration ~10% quartz monzonite		1	50			60504		< .1
50														50		
	W		I			Mg Py Ep		SILICEOUS ANDESITE 1% magnetite, 1% pyrite, minor epidote ~10% quartz monzonite		1				60505		< .1
60											60			60		

HOLE NO.: WAN-M | PROJECT: WAN 90 | PAGE NO.: 2 OF 3

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: OCTOBER 21 | REF. TO CLAIM CORNER:

COORDINATES: N. E. | DATE FINISHED: OCTOBER 22 | SCALE: 1" = 10 feet

INCLINATION: -90° | BEARING: — | TOTAL DEPTH: 170' | LOGGED BY: GARY SUTTON

SECTION	ALTERATION: PROPYLITIC	ALTERATION: PYROPHYLLITE	ALTERATION: SILICA	ALTERATION: SERICITE	FRACTURING	MINERAL	GEOLOGY	DESCRIPTIVE GEOLOGY	% SULPHIDES	DRILLING INTERVAL	HOLE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED % Cu
60						Mg Py Ep Lm		SILICEOUS ANDESITE 1% magnetite, 1% pyrite, minor epidote, trace limonite ~30% quartz monzonite	1	60		60 80509		<.1
	W M		I							70		70		
70						Mg Py Ep Lm		50% SILICEOUS ANDESITE 1-2% magnetite, 1% pyrite, minor epidote, trace limonite 50% QUARTZ MONZONITE	1			70 80509		<.1
	W		M I							80		80		
80						Mg Py Ep		QUARTZ MONZONITE 2% magnetite, 0.5% pyrite, minor epidote 20% siliceous andesite	0.5			80 80508		<.1
	W		M							90		90		
90						Mg Py Ep		QUARTZ MONZONITE 1-2% magnetite, minor pyrite, epidote minor pyritic quartz veins	1.5			90 80509		<.1
	W									100		100		
100						Mg Py Ep		QUARTZ MONZONITE 1-2% magnetite, minor pyrite, epidote	1.5			100 80509		<.1
	W									110		110		
110						Mg Py Ep		QUARTZ MONZONITE 1-2% magnetite, minor pyrite, epidote	1.5			110 80509		<.1
	W													
120										120		120		

HOLE NO.: WAN-M | PROJECT: WAN 90 | PAGE NO.: 3 OF 3

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: OCTOBER 21 | REF. TO CLAIM CORNER:

COORDINATES: N. E. | DATE FINISHED: OCTOBER 22 | SCALE: 1" = 10 feet

INCLINATION: -90° | BEARING: — | TOTAL DEPTH: 170' | LOGGED BY: GARY SUTTON

SECTION	ALTERATION: PROPYLITIC	ALTERATION: PYROPHYLLITE	ALTERATION: SILICA	ALTERATION: SERICITE	FRACTURING	MINERAL	GEOLOGY	COMMENTS: / DESCRIPTIVE GEOLOGY	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	HOLE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED % Cu
120						Mg Py Ep		QUARTZ MONZONITE 1-2% magnetite, minor pyrite, epidote		<.5	120		120 605129		<.1
130						Mg Py Ep		QUARTZ MONZONITE 1-2% magnetite, minor pyrite, epidote		<.5	130		130 605133		<.1
140						Mg Py Ep		QUARTZ MONZONITE 1-2% magnetite, minor pyrite, epidote		<.5	140		140 605141		<.1
150						Mg Py Ep		QUARTZ MONZONITE 1-2% magnetite, minor pyrite, epidote		<.5	150		150 605145		<.1
160						Mg Py Ep		QUARTZ MONZONITE 1-2% magnetite, minor pyrite, epidote		<.5	160		160 605169		<.1
170								170' END OF HOLE			170		170		

HOLE NO.: WAN-L | PROJECT: WAN 90 | PAGE NO.: 1 OF 6

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: OCTOBER 20 | REF. TO CLAIM CORNER:

COORDINATES: N. E. | DATE FINISHED: OCTOBER 21 | SCALE: 1" = 10 feet

INCLINATION: -90° | BEARING: — | TOTAL DEPTH: 360' | LOGGED BY: GARY SUTTON

SECTION	ALTERATION: PROPYLITIC	ALTERATION: PYROPHYLLITE	ALTERATION: SILICA	ALTERATION: SERICITE	FRACTURING	MINERAL	GEOLOGY	COMMENTS: / DESCRIPTIVE GEOLOGY	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	HOLE SIZE	SAMPLE INTERVAL	% REC'Y SAMP. INT.	ESTIMATED % Cu
0								0-5 OVERBURDEN 5-10 NOT SAMPLED			0		0		
10	W		W M			Mg Py Ep Lm Z		SILICEOUS ANDESITE 2% magnetite, 1% pyrite, minor epidote, limonite, trace zeolites		1	10		10 60365		<.1
20	W		W M			Mg Py Ep Lm		SILICEOUS ANDESITE 2% magnetite, 1% pyrite, minor epidote, trace limonite		1	20		20 60366		<.1
30			M			Mg Py Ep Z		SILICEOUS DYKE / ANDESITE 2% magnetite, 1% pyrite, trace epidote, zeolites		1	30		30 60367		<.1
40	W		M			Mg Py Ep Cp ?		SILICEOUS DYKE / ANDESITE 2% magnetite, 1% pyrite, minor epidote, possible chalcopyrite?		1	40		40 60368		<.1
50	W		M			Mg Py Ep		SILICEOUS DYKE / ANDESITE 2% magnetite, 1% pyrite, minor epidote		1	50		50 60369		<.1
60											60		60		

HOLE NO.: WAN-L | PROJECT: WAN 90 | PAGE NO.: 2 OF 6

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: OCTOBER 20 | REF. TO CLAIM CORNER:

COORDINATES: N. E. | DATE FINISHED: OCTOBER 21 | SCALE: 1" = 10 feet

INCLINATION: -90° | BEARING: — | TOTAL DEPTH: 360' | LOGGED BY: GARY SUTTON

SECTION	ALTERATION: PROPYLITIC	ALTERATION: PYROPHYLLITE	ALTERATION: SILICA	ALTERATION: SERICITE	FRACTURING	MINERAL	GEOLOGY	COMMENTS: / DESCRIPTIVE GEOLOGY	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	HOLE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED % Cu
60						Mg Py Ep Lm		SILICEOUS ANDESITE 2% magnetite, 0.5% pyrite, minor epidote, trace limonite		0.5	60		60 60370		<.1
70	W		M			Mg Py Ep Lm		SILICEOUS ANDESITE 2% magnetite, 0.5% pyrite, minor epidote, trace limonite		0.5	70		70 60371		<.1
80	W		M			Mg Py Ep Lm		SILICEOUS ANDESITE 3% magnetite, 1% pyrite, minor epidote, trace limonite		1	80		80 60372		<.1
90	W		W M			Mg Py Ep Lm		SILICEOUS ANDESITE 3% magnetite, 1% pyrite, minor epidote, trace limonite		1	90		90 60373		<.1
100	W		W M			Mg Py Ep Lm		SILICEOUS ANDESITE 3% magnetite, 1.5% pyrite, minor epidote, trace limonite intergrown pyrite and magnetite blebs		1.5	100		100 60374		<.1
110	M		M I			Mg Py Ep Lm		SILICEOUS ANDESITE 1% magnetite, 1% pyrite, 1% epidote, trace limonite weak potassic alteration		1	110		110 60375		<.1
120											120		120		

HOLE NO.: WAN-L | PROJECT: WAN 90 | PAGE NO.: 3 OF 6

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: OCTOBER 20 | REF. TO CLAIM CORNER:

COORDINATES: N. E. | DATE FINISHED: OCTOBER 21 | SCALE: 1" = 10 feet

INCLINATION: -90° | BEARING: — | TOTAL DEPTH: 360' | LOGGED BY: GARY SUTTON

SECTION	ALTERATION: PROPYLITIC	ALTERATION: PYROPHYLLITE	ALTERATION: SILICA	ALTERATION: SERICITE	FRACTURING	MINERAL	GEOLOGY	DESCRIPTIVE GEOLOGY	% SULPHIDES	DRILLING INTERVAL	HOLE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED % Cu
120						Py Mg Ep Lm		SILICEOUS ANDESITE 1% pyrite, 1% magnetite, 1% epidote, trace limonite weak - moderate potassic alteration	1	120		120 60376		2.1
130	M		M H			Mg Py Ep		SILICEOUS ANDESITE 2% magnetite, 1% pyrite, minor epidote	1	130		130 60377		2.1
140	W		W M			Mg Py Ep Lm z		SILICEOUS ANDESITE 2% magnetite, 1% pyrite, minor epidote, limonite, trace zeolites 1% rusty quartz veins	1	140		140 60378		2.1
150	W		W M			Mg Py Ep Lm		SILICEOUS ANDESITE 2% magnetite, 1% pyrite, minor epidote, trace limonite 30% quartz monzonite	1	150		150 60379		2.1
160	W M		M			Mg Py Ep Lm		50% SILICEOUS ANDESITE 2% magnetite, 1% pyrite, minor epidote, trace limonite 50% QUARTZ MONZONITE	1	160		160 60380		2.1
170	W		M I			Mg Py Ep Lm		SILICEOUS ANDESITE 2% magnetite, 1% pyrite, minor epidote, trace limonite 20% quartz monzonite minor calcite crystals 1x1 mm	1	170		170 60381		2.1
180										180		180		

HOLE NO.: WAN-L | PROJECT: WAN 90 | PAGE NO.: 4 OF 6

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: OCTOBER 20 | REF. TO CLAIM CORNER:

COORDINATES: N. E. | DATE FINISHED: OCTOBER 21 | SCALE: 1" = 10 feet

INCLINATION: -90° | BEARING: — | TOTAL DEPTH: 360' | LOGGED BY: GARY SUTTON

SECTION	ALTERATION: PROPYLITIC	ALTERATION: PYROPHYLLITE	ALTERATION: SILICA	ALTERATION: SERICITE	FRACTURING	MINERAL	GEOLOGY	COMMENTS: / DESCRIPTIVE GEOLOGY	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	HOLE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED % Cu
180						Mg Py Ep Lm		SILICEOUS ANDESITE 2% magnetite, 1% pyrite, minor epidote, trace limonite 25% chlorite, 20% quartz monzonite Weak potassic alteration		1	180		180 60382		<.1
190	W	M	I			Mg Py Ep Lm		SILICEOUS ANDESITE 1-2% magnetite, 1% pyrite, minor epidote, trace limonite		1	190		190 60383		<.1
200	W	M	I			Mg Py Ep Lm		SILICEOUS ANDESITE 2% magnetite, 1% pyrite, minor epidote, trace limonite weak potassic alteration		1	200		200 60384		<.1
210	W M	M	I			Mg Py Ep Lm		SILICEOUS ANDESITE 2% magnetite, 1% pyrite, 0.5% epidote, trace limonite weak potassic alteration		1	210		210 60385		<.1
220	W M	M	I			Mg Py Ep Lm		SILICEOUS ANDESITE 2% magnetite, 1% pyrite, 1% epidote, trace limonite 10% quartz monzonite Weak potassic alteration		1	220		220 60386		<.1
230	W	M				Mg Py Ep		QUARTZ MONZONITE 1% magnetite, 1% pyrite, 0.5% epidote 10% Siliceous Andesite		1	230		230 60387		<.1
240											240		240		

HOLE NO.: WAN-L | PROJECT: WAN 90 | PAGE NO.: 5 OF 6

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: OCTOBER 20 | REF. TO CLAIM CORNER:

COORDINATES: N. E. | DATE FINISHED: OCTOBER 21 | SCALE: 1" = 10 feet

INCLINATION: -90° | BEARING: — | TOTAL DEPTH: 360' | LOGGED BY: GARY SUTTON

SECTION	ALTERATION: PROPYLITIC	ALTERATION: PHYLLITE	ALTERATION: SILICA	ALTERATION: SERICITE	FRACTURING	MINERAL	GEOLOGY	COMMENTS: / DESCRIPTIVE GEOLOGY	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL		HOLE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED % Cu
240											240			240		
	W		H			Mg Py Ep Z		SILICEOUS ANDESITE 1-2% magnetite, 0.5% pyrite, minor epidote, trace zeolites 10% quartz monzonite weak potassic alteration		0.5				60388		<.1
250											250			250		
	W		H			Mg Py Ep Z		SILICEOUS ANDESITE 1-2% magnetite, 0.5% pyrite, minor epidote, trace zeolites 10% quartz monzonite weak potassic alteration		0.5				60389		<.1
260											260			260		
	W		H			Mg Py Ep		SILICEOUS ANDESITE 1-2% magnetite, 1% pyrite, 0.5% epidote 20% quartz monzonite weak potassic alteration		1				60390		<.1
270											270			270		
	W					Mg Py Ep		QUARTZ MONZONITE 1-2% magnetite, 0.5% pyrite, minor epidote		0.5				60391		<.1
280											280			280		
						Mg Py Ep		QUARTZ MONZONITE 1-2% magnetite, 0.5% pyrite, minor epidote		0.5				60392		<.1
290											290			290		
						Mg Py Ep		QUARTZ MONZONITE 1-2% magnetite, 0.5% pyrite, minor epidote		0.5				60393		<.1
300											300			300		

HOLE NO.: WAN-L | PROJECT: WAN 90 | PAGE NO.: 6 OF 6

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: OCTOBER 20 | REF. TO CLAIM CORNER:

COORDINATES: N. E. | DATE FINISHED: OCTOBER 21 | SCALE: 1" = 10 feet

INCLINATION: -90° | BEARING: — | TOTAL DEPTH: 360' | LOGGED BY: GARY SUTTON

SECTION	ALTERATION: PROPYLITIC	ALTERATION: PYROPHYLLITE	ALTERATION: SILICA	ALTERATION: SERICITE	FRACTURING	MINERAL	GEOLOGY	COMMENTS: / DESCRIPTIVE GEOLOGY	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	HOLE SIZE	SAMPLE INTERVAL	% REC'Y, SAMP. INT.	ESTIMATED % Cu
300						Mg Py Ep		QUARTZ MONZONITE 1-2% magnetite, 0.5% pyrite, minor epidote		0.5	300		300 60364		<.1
310						Mg Py Ep		QUARTZ MONZONITE 1-2% magnetite, 0.5% pyrite, minor epidote		0.5	310		310 60365		<.1
320						Mg Py Ep		QUARTZ MONZONITE 1-2% magnetite, 0.5% pyrite, minor epidote		0.5	320		320 60366		<.1
330						Mg Py Ep		QUARTZ MONZONITE 1-2% magnetite, 0.5% pyrite, minor epidote		0.5	330		330 60367		<.1
340						Mg Py Ep		QUARTZ MONZONITE 1-2% magnetite, 0.5% pyrite, minor epidote		0.5	340		340 60368		<.1
350						Mg Py Ep		QUARTZ MONZONITE 1-2% magnetite, 0.5% pyrite, minor epidote		0.5	350		350 60369		<.1
360								360' END OF HOLE			360		360		

HOLE NO.: WAN-T | PROJECT: WAN 90 | PAGE NO.: 1 OF 4

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: OCTOBER 18 | REF. TO CLAIM CORNER:

COORDINATES: N. E. | DATE FINISHED: OCTOBER 19 | SCALE: 1" = 10 feet

INCLINATION: -90° | BEARING: — | TOTAL DEPTH: 255' | LOGGED BY: GARY SUTTON

SECTION	ALTERATION: PROPYLITIC	ALTERATION: PYROPHYLLITE	ALTERATION: SILICA	ALTERATION: SERICITE	FRACTURING	MINERAL	GEOLOGY	DESCRIPTIVE GEOLOGY	% SULPHIDES	DRILLING INTERVAL	HOLE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED % Cu
40								0-56 OVERBURDEN		40				
50										50				
												56		
56	W		I			Py Ep Lm		SILICA ROCK 2% pyrite, minor epidote, trace limonite	2			60344		<.1
60						Py Mg Lm		SILICA ROCK 2% pyrite, trace magnetite, limonite	2	60		60345		<.1
70	W		I			Py Ep Z Mg		SILICA ROCK 1% pyrite, minor chlorite, trace epidote, zeolites, magnetite	1	70		70 60346		<.1
80	W		I			Py Ep Mg		SILICA ROCK 1% pyrite, minor chlorite, epidote, trace magnetite weak albitization	1	80		80 60347		<.1
90			I			Py Mg		SILICA ROCK 1% pyrite, minor magnetite, very weak albitization	1	90		90 60348		<.1
100										100		100		

HOLE NO.: WAN-T | PROJECT: WAN 90 | PAGE NO.: 2 OF 4

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: OCTOBER 18 | REF. TO CLAIM CORNER:

COORDINATES: N. E. | DATE FINISHED: OCTOBER 19 | SCALE: 1" = 10 feet

INCLINATION: -90° | BEARING: — | TOTAL DEPTH: 255' | LOGGED BY: GARY SUTTON

SECTION	ALTERATION: PROPYLITIC	ALTERATION: PYROPHYLLITE	ALTERATION: SILICA	ALTERATION: SERICITE	FRACTURING	MINERAL	GEOLOGY	COMMENTS: DESCRIPTIVE GEOLOGY	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	HOLE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED % Cu
100						Py Mg Lm		SILICA ROCK 1% pyrite, minor magnetite, trace limonite		1	100		100 60349		<.1
110			H			Py Mg Lm		SILICA ROCK 1% pyrite, minor magnetite, trace limonite		1	110		110 60350		<.1
120			I			Py Mg Ep Lm		SILICEOUS ANDESITE 1% pyrite, 1% magnetite, minor epidote, trace limonite weak potassic alteration		1	120		120 60351		<.1
	W		I								130		130 60352		<.1
130						Mg Py Lm Ep		SILICEOUS ANDESITE 1% magnetite, 1% pyrite, trace limonite, epidote		1					
	W		I								140		140 60353		<.1
140						Mg Py Lm Ep		SILICEOUS ANDESITE 1-2% magnetite, 1% pyrite, trace limonite, epidote 20% quartz monzonite		1					
	W		I								150		150 60354		<.1
150						Mg Py Lm Z Ep		SILICEOUS ANDESITE 1-2% magnetite, 1% pyrite, trace limonite, zeolites, epidote 20% quartz monzonite		1					
	W		I												
160											160		160		

HOLE NO.: WAN-T | PROJECT: WAN 90 | PAGE NO.: 3 OF 4

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: OCTOBER 18 | REF. TO CLAIN CORNER:

COORDINATES: N. E. | DATE FINISHED: OCTOBER 19 | SCALE: 1" = 10 feet

INCLINATION: -90° | BEARING: — | TOTAL DEPTH: 255' | LOGGED BY: GARY SUTTON

SECTION	ALTERATION: PROPYLITIC	ALTERATION: PYROPHYLLITE	ALTERATION: SILICA	ALTERATION: SERICITE	FRACTURING	MINERAL	GEOLOGY	DESCRIPTIVE GEOLOGY	% SULPHIDES	DRILLING INTERVAL	HOLE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED % Cu
160								COMMENTS: AVE CORE REC'Y / HOLE		160		160		
	W		I			Mg Py Ep Cm		50% SILICEOUS ANDESITE 1-2% magnetite, 1% pyrite, minor epidote, trace limonite 50% QUARTZ MONZONITE 1% magnetite, 1% pyrite, minor epidote, trace limonite	1			60355		<.1
170						Mg Py Ep Z		SILICEOUS ANDESITE 2% magnetite, 1% pyrite, minor epidote, trace zeolites moderate potassic alteration	1	170		170 60356		<.1
	W		M I											
180						Mg Py Ep Z		SILICEOUS ANDESITE 2% magnetite, 1% pyrite, minor epidote, trace zeolites weak potassic alteration	1	180		180 60357		<.1
	W		M											
190						Mg Py Ep		SILICEOUS ANDESITE 2% magnetite, 1% pyrite, minor epidote pyrite veinlets in intensely silicified areas moderate potassic alteration	1	190		190 60358		<.1
	W		M											
200						Mg Py Ep		SILICEOUS ANDESITE 2% magnetite, 1% pyrite, 1% epidote epidote veinlets; weak potassic alteration	1	200		200 60359		<.1
	W M		M											
210						Mg Py Ep Z		SILICEOUS ANDESITE 2% magnetite, 1% pyrite, 1% epidote, trace zeolites weak potassic alteration	1	210		210 60360		<.1
	W M		M											
220										220		220		

HOLE NO.: WAN-T | PROJECT: WAN 90 | PAGE NO.: 4 OF 4

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: OCTOBER 18 | REF. TO CLAIM CORNER:

COORDINATES: N. E. | DATE FINISHED: OCTOBER 19 | SCALE: 1" = 10 feet

INCLINATION: -90° | BEARING: — | TOTAL DEPTH: 255' | LOGGED BY: GARY SUTTON

SECTION	ALTERATION: PROPYLITIC	ALTERATION: PYROPHYLLITE	ALTERATION: SILICA	ALTERATION: SERICITE	FRACTURING	MINERAL	GEOLOGY	COMMENTS: / DESCRIPTIVE GEOLOGY	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	HOLE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED % Cu
220						Mg Py Ep		SILICEOUS ANDESITE 2% magnetite, 1% pyrite, 0.5% epidote moderate potassic alteration		1	220		220 60361		<.1
230	W		M			Mg Py Ep Z		SILICEOUS ANDESITE 2% magnetite, 1% pyrite, 1% epidote, trace zeolites weak potassic alteration		(	230		230 60362		<.1
240	W M		M			Mg Py Ep Z		SILICEOUS ANDESITE 2% magnetite, 1% pyrite, 1% epidote, trace zeolites weak potassic alteration		(	240		240 60363		<.1
250	W M		M			Mg Ep Py Z		SILICEOUS ANDESITE 2% magnetite, 1% epidote, 1% pyrite, trace zeolites moderate potassic alteration		(	250		250 60364		<.1
255								255' END OF HOLE			255		255		

HOLE NO.: WAN-V | PROJECT: WAN 90 | PAGE NO.: 1 OF 9

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: OCTOBER 13 | REF. TO CLAIM CORNER:

COORDINATES: N. E. | DATE FINISHED: OCTOBER 15 | SCALE: 1" = 10 feet

INCLINATION: -90° | BEARING: — | TOTAL DEPTH: 485' | LOGGED BY: GARY SUTTON

SECTION	ALTERATION: PROPYLITIC	ALTERATION: PYROPHYLLITE	ALTERATION: SILICA	ALTERATION: SERICITE	FRACTURING	MINERAL	GEOLOGY	DESCRIPTIVE GEOLOGY	% SULPHIDES	DRILLING INTERVAL	HOLE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED % Cu
0								0-15' OVERBURDEN 15-485' SILICA ROCK		0				
10										10				
15	W		I			Py Lm Ep		S.R. 2% pyrite, minor limonite, epidote ~10% quartz veins	2	20		15 60296 20		<.1
20			I-I			Py		SR 2% pyrite, trace chlorite	2			60297		<.1
30			I			Py		SR 2% pyrite, trace chlorite, pyrite blebs and coatings to 1x2 mm	2	30		30 60298		<.1
40			I			Py Lm		SR 2% pyrite, trace limonite	2	40		40 60299		<.1
50			I			Py Lm		SR 2% pyrite, trace limonite	2	50		50 60300		<.1
60										60		60		

HOLE NO.: WAN - V | PROJECT: WAN 90 | PAGE NO.: 2 OF 9

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: OCTOBER 13 | REF. TO CLAIM CORNER:

COORDINATES: N. E. | DATE FINISHED: OCTOBER 15 | SCALE: 1" = 10 feet

INCLINATION: -90° | BEARING: — | TOTAL DEPTH: 485' | LOGGED BY: GARY SUTTON

SECTION	ALTERATION: PROPYLITIC	ALTERATION: PYROPHYLLITE	ALTERATION: SILICA	ALTERATION: SERICITE	FRACTURING	MINERAL	GEOLOGY	COMMENTS: / DESCRIPTIVE GEOLOGY	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	HOLE SIZE	SAMPLE INTERVAL #	% REC'Y. SAMP. INT.	ESTIMATED % Cu
60						Py Lm	SR	2% pyrite, trace limonite		2	60		60301		<.1
70			I			Py	SR	2% pyrite, 1x1x1mm bleb of pyrite-quartz		2	70		60302		<.1
80			I			Py Lm	SR	2% pyrite, trace limonite		2	80		60303		<.1
90			I			Py Lm	SR	2% pyrite, trace limonite		2	90		60304		<.1
100			I			Py	SR	2% pyrite		2	100		60305		<.1
110			I			Py	SR	2% pyrite		2	110		60306		<.1
120											120				

HOLE NO.: WAN-V | PROJECT: WAN 90 | PAGE NO.: 3 OF 9

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: OCTOBER 13 | REF. TO CLAIM CORNER:

COORDINATES: N. E. | DATE FINISHED: OCTOBER 15 | SCALE: 1" = 10 feet

INCLINATION: -90° | BEARING: — | TOTAL DEPTH: 485' | LOGGED BY: GARY SUTTON

SECTION	ALTERATION: PROPYLITIC	ALTERATION: PYROPHYLLITE	ALTERATION: SILICA	ALTERATION: SERICITE	FRACTURING	MINERAL	GEOLOGY	COMMENTS: / DESCRIPTIVE GEOLOGY	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	HOLE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED % Cu
120			I			Py		SR 2% pyrite		2	120		120 60307 130		<.1
130			I			Py		SR 2% pyrite		2	130		130 60308 140		<.1
140			I			Py		SR 2% pyrite		2	140		140 60309 150		<.1
150			I			Py		SR 2% pyrite		2	150		150 60310 160		<.1
160			I			Py		SR 2% pyrite, pyrite sphere of cubes 1mm in diameter		2	160		160 60311 170		<.1
170			I			Py		SR 2% pyrite		2	170		170 60312 180		<.1
180											180				

HOLE NO.: WAN-V | PROJECT: WAN 90 | PAGE NO.: 4 OF 9

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: OCTOBER 13 | REF. TO CLAIM CORNER:

COORDINATES: N. E. | DATE FINISHED: OCTOBER 15 | SCALE: 1" = 10 feet

INCLINATION: -90° | BEARING: — | TOTAL DEPTH: 485' | LOGGED BY: GARY SUTTON

SECTION	ALTERATION: PROPYLITIC	ALTERATION: PYROPHYLLITE	ALTERATION: SILICA	ALTERATION: SERICITE	FRACTURING	MINERAL	GEOLOGY	COMMENTS: / DESCRIPTIVE GEOLOGY	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	HOLE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED % Cu
180											180		180		
			I			Py		SR 2% pyrite					60313		
						Py Lm		SR 1% pyrite, trace limonite		1.5					< .1
	W		M												
190			H			Py Lm		SR 2% pyrite, trace limonite			190		190 60314		
			I							2					< .1
											200		8 60315		
200						Py		SR 2% pyrite		2					< .1
			I								210		210 60316		
210						Py		SR 2% pyrite		2					< .1
			I								220		220 60317		
220						Py		SR 2% pyrite		2					< .1
			I								230		230		
230			I			Py		SR 2% pyrite		2			60318		< .1
	W		I			Py		SR - 20% 2% chlorite, 2% pyrite			240		240		

HOLE NO.: WAN-V | PROJECT: WAN 90 | PAGE NO.: 5 OF 9

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: OCTOBER 13 | REF. TO CLAIM CORNER:

COORDINATES: N. E. | DATE FINISHED: OCTOBER 15 | SCALE: 1" = 10 feet

INCLINATION: -90° | BEARING: — | TOTAL DEPTH: 485' | LOGGED BY: GARY SUTTON

SECTION	ALTERATION: PROPYLITIC	ALTERATION: PHYLLITE	ALTERATION: SILICA	ALTERATION: SERICITE	FRACTURING	MINERAL	GEOLOGY	COMMENTS: / DESCRIPTIVE GEOLOGY	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	HOLE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED % Cu
240	W		H			Py		SR 2% pyrite, trace chlorite		2	240		240 60319		<.1
250			H			Py		SR 2% pyrite		2	250		250 60320		<.1
260			H			Py		SR 2% pyrite		2	260		260 60321		<.1
270			H			Py		SR 2% pyrite		2	270		270 60322		<.1
280			H			Py		SR 2% pyrite, trace chlorite		2	280		280 60323		<.1
290			H			Py		SR 2% pyrite, trace chlorite		2	290		290 60324		<.1
300											300		300		

HOLE NO.: WAN-V | PROJECT: WAN 90 | PAGE NO.: 6 OF 9

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: OCTOBER 13 | REF. TO CLAIM CORNER:

COORDINATES: N. E. | DATE FINISHED: OCTOBER 15 | SCALE: 1" = 10 feet

INCLINATION: -90° | BEARING: — | TOTAL DEPTH: 485' | LOGGED BY: GARY SUTTON

SECTION	ALTERATION: PROPYLITIC	ALTERATION: PYROPHYLLITE	ALTERATION: SILICA	ALTERATION: SERICITE	FRACTURING	MINERAL	GEOLOGY	COMMENTS: / DESCRIPTIVE GEOLOGY	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	HOLE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED % Cu
300			H			Py		SR 2% pyrite		2	300		300 60325 310		<.1
310			H			Py		SR 2% pyrite		2	310		310 60326 320		<.1
320			H			Py		SR 2% pyrite		2	320		320 60327 330		<.1
330			H			Py		SR 2% pyrite		2	330		330 60328 340		<.1
340			H			Py		SR 2% pyrite		2	340		340 60329 350		<.1
350			H			Py		SR 2% pyrite, trace chloritic-pyritic quartz 1 x 1 mm		2	350		350 60330 360		<.1
360											360		360		

HOLE NO.: WAN-V | PROJECT: WAN 90 | PAGE NO.: 7 OF 9

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: OCTOBER 13 | REF. TO CLAIM CORNER:

COORDINATES: N. E. | DATE FINISHED: OCTOBER 15 | SCALE: 1" = 10 feet

INCLINATION: -90° | BEARING: — | TOTAL DEPTH: 485' | LOGGED BY: GARY SUTTON

SECTION	ALTERATION: PROPYLITIC	ALTERATION: PYROPHYLLITE	ALTERATION: SILICA	ALTERATION: SERICITE	FRACTURING	MINERAL	GEOLOGY	COMMENTS: / DESCRIPTIVE GEOLOGY	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	HOLE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED % Cu
360			I			Py		SR 2% pyrite, trace chloritic-pyritic quartz 1x1mm bleb		2	360		360 60331 360		<.1
370			I			Py		SR 2% pyrite, trace chloritic-pyritic quarte 1x1 mm bleb		2	370		370 60332 380		<.1
380			I			Py Lm		SR 2% pyrite, trace limonite		2	380		380 60333 390		<.1
390			I			Py Lm		SR 2% pyrite, minor green-blue quartz, trace limonite		2	390		390 60334 400		<.1
400			I			Py		SR 2% pyrite, minor green-blue quartz		2	400		400 60335 410		<.1
410			I			Py Lm		SR 2% pyrite, trace chlorite, limonite		2	410		410 60336 420		<.1
420											420		420		

HOLE NO.: WAN-V | PROJECT: WAN 90 | PAGE NO.: 8 OF 9

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: OCTOBER 13 | REF. TO CLAIM CORNER:

COORDINATES: N. E. | DATE FINISHED: OCTOBER 15 | SCALE: 1" = 10 feet

INCLINATION: -90° | BEARING: — | TOTAL DEPTH: 485' | LOGGED BY: GARY SUTTON

SECTION	ALTERATION: PROPYLITIC	ALTERATION: PYROPHYLLITE	ALTERATION: SILICA	ALTERATION: SERICITE	FRACTURING	MINERAL	GEOLOGY	DESCRIPTIVE GEOLOGY	% SULPHIDES	DRILLING INTERVAL	HOLE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED % Cu
420						Py		SR 2% pyrite	2	420		420 60337 438		<.1
430	W		I			Py Ep Lm		SR 2% pyrite, trace epidote, limonite	2	430		438 60338 440		<.1
440	W		I			Py Ep Lm		SR 1.5% pyrite, trace epidote, limonite	1.5	440		440 60339 458		<.1
450			I			Py Lm		SR 2% pyrite, trace limonite	2	450		458 60340 460		<.1
460			I			Py		SR 2% pyrite	2	460		460 60341 470		<.1
470			I			Py		SR 2% pyrite, trace limonite minor diabase dyke?	2	470		470 60342 480		<.1
480										480				

HOLE NO.: WAN-V | PROJECT: WAN 90 | PAGE NO.: 9 OF 9

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: OCTOBER 13 | REF. TO CLAIM CORNER:

COORDINATES: N. E. | DATE FINISHED: OCTOBER 15 | SCALE: 1" = 10 feet

INCLINATION: -90° | BEARING: — | TOTAL DEPTH: 485' | LOGGED BY: GARY SUTTON

SECTION	ALTERATION: PROPYLITIC	ALTERATION: PYROPHYLLITE	ALTERATION: SILICA	ALTERATION: SERICITE	FRACTURING	MINERAL	GEOLOGY	COMMENTS: DESCRIPTIVE GEOLOGY	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL		HOLE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED % Cu
480											480			480		
	W		I			Py Ep		SR 2% pyrite, trace epidote		2				480 to 485		<.1
485											485			485		
								485' END OF HOLE								

HOLE NO.: WAN-U | PROJECT: WAN 90 | PAGE NO.: 1 OF 4

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: OCTOBER 12 | REF. TO CLAIM CORNER:

COORDINATES: N. E. | DATE FINISHED: OCTOBER 13 | SCALE: 1" = 10 feet

INCLINATION: -48° | BEARING: 330° | TOTAL DEPTH: 200' | LOGGED BY: GARY SUTTON

SECTION	ALTERATION: PROPYLITIC	ALTERATION: PYROPHYLLITE	ALTERATION: SILICA	ALTERATION: SERICITE	FRACTURING	MINERAL	GEOLOGY	DESCRIPTIVE GEOLOGY	% SULPHIDES	DRILLING INTERVAL	HOLE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED % Cu
0								COMMENTS: AVE CORE REC'Y / HOLE		0		0		
						Ep Py Mg		0-6 OVERBURDEN						
	M		H					SILICEOUS ANDESITE 2% epidote, 1% pyrite, trace magnetite massive pyrite blobs, limonitic quartz veins pale blue gray color	1			6 60276		<.1
10						Ep Py Ct		SILICEOUS ANDESITE 2% epidote, 1% pyrite epidotic pyritic quartz veins up to 50% pyrite to 5X5mm few% calcite pale blue gray color	1	10		10 60277		<.1
20	M		H									20		
						Ep Py Ct Lm		SILICEOUS ANDESITE 2% epidote, 0.5% pyrite, minor calcite, trace limonite pale blue gray color	0.5	20		20 60278		<.1
30	M		H3			Ep Py Ct		SILICEOUS ANDESITE 1-2% epidote, 0.5% pyrite, minor calcite 3x4 mm blob of pyrite-quartz pale blue gray color	0.5	30		30 60279		<.1
40						Ep Py Ct		SILICEOUS ANDESITE 1-2% epidote, 1% pyrite, minor calcite 1x1mm pyrite cube thin pyritic coating on fracture surface pale blue gray color	1	40		40 60280		<.1
50	M		H3			Ep Py Ct		SILICEOUS ANDESITE 1-2% epidote, minor pyrite, calcite pale blue gray color	<.5	50		50 60281		<.1
60	M		H3							60		60		

HOLE NO.: WAN-U | PROJECT: WAN 90 | PAGE NO.: 2 OF 4

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: OCTOBER 12 | REF. TO CLAIM CORNER:

COORDINATES: N. E. | DATE FINISHED: OCTOBER 13 | SCALE: 1" = 10 feet

INCLINATION: −48° | BEARING: 330° | TOTAL DEPTH: 200' | LOGGED BY: GARY SUTTON

SECTION	ALTERATION: PROPYLITIC	ALTERATION: PYROPHYLLITE	ALTERATION: SILICA	ALTERATION: SERICITE	FRACTURING	MINERAL	GEOLOGY	DESCRIPTIVE GEOLOGY	% SULPHIDES	DRILLING INTERVAL	HOLE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED % Cu
60								COMMENTS: AVE CORE REC'Y / HOLE		60		60		
	M		H3			Ep Py Ct Lm		SILICEOUS ANDESITE 2% epidote, 0.5% pyrite, minor calcite, trace limonite 0.1 mm disseminated pyrite cubes pale blue gray color	0.5			60282		<.1
70						Ep Py Ct		SILICEOUS ANDESITE 2% epidote, 0.5% pyrite, minor calcite pale blue gray color		70		70		
	M		H3						0.5			60283		<.1
80						Ep Py Ct		SILICEOUS ANDESITE 2% epidote, 0.5% pyrite, minor calcite pale blue gray color		80		80		
	M		H3						0.5			60284		<.1
90						Ep Py Ct Lm		SILICEOUS ANDESITE 2% epidote, 0.5% pyrite, minor calcite, trace limonite pale blue gray color		90		90		
	M		H3						1			60285		<.1
100						Ep Py Ct		SILICEOUS ANDESITE 2% epidote, 1% pyrite, minor calcite, trace calcite-quartz veins pale blue gray color		100		100		
	M		H3						1			60286		<.1
110						Ep Py Ct		SILICEOUS ANDESITE 2% epidote, 1% pyrite, minor calcite, trace calcite veins pale blue gray color		110		110		
	M		H3						1			60287		<.1
120										120		120		

HOLE NO.: WAN-U | PROJECT: WAN 90 | PAGE NO.: 3 OF 4

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: OCTOBER 12 | REF. TO CLAIM CORNER:

COORDINATES: N. E. | DATE FINISHED: OCTOBER 13 | SCALE: 1" = 10 feet

INCLINATION: -48° | BEARING: 330° | TOTAL DEPTH: 200' | LOGGED BY: GARY SUTTON

SECTION	ALTERATION: PROPYLITIC	ALTERATION: PYROPHYLLITE	ALTERATION: SILICA	ALTERATION: SERICITE	FRACTURING	MINERAL	GEOLOGY	DESCRIPTIVE GEOLOGY	% SULPHIDES	DRILLING INTERVAL	HOLE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED % Cu
120								COMMENTS: AVE CORE REC'Y / HOLE		120		120		
	M		M H			Ep Py Ct		SILICEOUS ANDESITE 2% epidote, 1% pyrite, minor calcite, pyritic quartz-calcite veins pale blue gray color	1			60288		<.1
130						Ep Py Ct		SILICEOUS ANDESITE 2% epidote, 1% pyrite, minor calcite, quartz veins pale blue gray color	1	130		130 60289		<.1
140	M		M H			Ep Py Ct		SILICEOUS ANDESITE 2% epidote, 0.5% pyrite, minor calcite, epidotic calcite veins pale blue gray color	0.5	140		140 60290		<.1
150	M		M			Ep Py Ct		SILICEOUS ANDESITE 2-3% epidote, 0.5% pyrite, minor calcite, pyritic quartz veins, epidotic pyritic calcite veins pale blue gray color	0.5	150		150 60291		<.1
160	M		M I			Ep Py Ct		SILICEOUS ANDESITE 2% epidote, 0.5% pyrite, minor calcite, quartz veins, calcite veins, epidote veinlets pale blue gray color	0.5	160		160 60292		<.1
170	M		M H			Ep Py Ct Z		SILICEOUS ANDESITE 2% epidote, 1% pyrite, minor calcite, quartz veins, calcite veins trace epidote veinlets, zeolite pale blue gray color	1	170		170 60293		<.1
180										180		180		

HOLE NO.: WAN-U | PROJECT: WAN 90 | PAGE NO.: 4 OF 4

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: OCTOBER 12 | REF. TO CLAIM CORNER:

COORDINATES: N. E. | DATE FINISHED: OCTOBER 13 | SCALE: 1" = 10 feet

INCLINATION: – 0 | BEARING: | TOTAL DEPTH: 200' | LOGGED BY: GARY SUTTON

SECTION	ALTERATION: PROPYLITIC	ALTERATION: PYROPHYLLITE	ALTERATION: SILICA	ALTERATION: SERICITE	FRACTURING	MINERAL	GEOLOGY	DESCRIPTIVE GEOLOGY	% SULPHIDES	DRILLING INTERVAL	HOLE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED % Cu
180								COMMENTS: AVE CORE REC'Y / HOLE		180		180		
	M		M I			Ep Py Ct		SILICEOUS ANDESITE 2% epidote, 1% pyrite, minor calcite, pyritic quartz veins pale blue gray color	1			60294		<.1
190						Ep Py Ct		SILICEOUS ANDESITE 2% epidote, 1% pyrite, minor calcite, pyritic quartz veins pale blue gray color		190		190		
	M		M I						1			60295		<.1
200								200' END OF HOLE		200		200		

HOLE NO.: WAN-P
COLLAR ELEV.: GROUND ELEV.:
COORDINATES: N. E.
INCLINATION: -90° BEARING: —

PROJECT: WAN 90
DATE STARTED: OCTOBER 10
DATE FINISHED: OCTOBER 12
TOTAL DEPTH: 460'

PAGE NO.: 1 OF 8
REF. TO CLAIM CORNER:
SCALE: 1" = 10 feet
LOGGED BY: GARY SUTTON

SECTION	ALTERATION: PROPYLITIC	ALTERATION: PYROPHYLLITE	ALTERATION: SILICA	ALTERATION: SERICITE	FRACTURING	MINERAL	GEOLOGY	DESCRIPTIVE GEOLOGY	% SULPHIDES	DRILLING INTERVAL	HOLE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED % Cu
0								0-14 OVERBURDEN		0		0		
10										10		0 TO 60231		
14	M		M H			Ep Py Mg		SILICEOUS ANDESITE 1-2% epidote, 0.5% pyrite, trace magnetite Contaminated with float	0.5					< .1
20						Ep Py Lm Mg		SILICEOUS ANDESITE 2-3% epidote, 0.5% pyrite, trace limonite, magnetite Pale blue-gray color	0.5	20		20 60232		< .1
30	M H		M H			Ep Py Lm Mg		SILICEOUS ANDESITE 2-3% epidote, 0.5% pyrite, trace limonite, magnetite	0.5	30		30 60233		< .1
40	M		M H			Ep Py Mg		SILICEOUS ANDESITE 1-2% epidote, minor pyrite, trace magnetite	< .5	40		40 60234		< .1
50	M H		M H			Ep Py Mg		SILICEOUS ANDESITE 2-3% epidote, 0.5% pyrite, trace magnetite	0.5	50		50 60235		< .1
60										60		60		

HOLE NO.: WAN-P | PROJECT: WAN 90 | PAGE NO.: 2 OF 8

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: OCTOBER 10 | REF. TO CLAIM CORNER:

COORDINATES: N. E. | DATE FINISHED: OCTOBER 12 | SCALE: 1" = 10 feet

INCLINATION: -90° | BEARING: — | TOTAL DEPTH: 460' | LOGGED BY: GARY SUTTON

SECTION	ALTERATION: PROPYLITIC	ALTERATION: PHYLLIC	ALTERATION: SILICA	ALTERATION: SERICITE	FRACTURING	MINERAL	GEOLOGY	DESCRIPTIVE GEOLOGY	% SULPHIDES	DRILLING INTERVAL	HOLE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP INT.	ESTIMATED % Cu
60	M H		M H			Ep Py Mg		SILICEOUS ANDESITE 2-3% epidote, 0.5% pyrite, trace magnetite	0.5	60		60236		<.1
70	M		M H			Ep Py Mg		SILICEOUS ANDESITE 1-2% epidote, 0.5% pyrite, trace magnetite	0.5	70		60237		<.1
80	M		M			Ep Py Mg Lm Hm		SILICEOUS ANDESITE 1% epidote, 0.5% pyrite, minor magnetite, trace limonite, hematite	0.5	80		60238		<.1
90	M		M H			Ep Py Mg Ct Lm		SILICEOUS ANDESITE 1% epidote, 0.5% pyrite, minor magnetite, calcite veins, trace limonite	0.5	90		60239		<.1
100	W M		M			Ep Py Mg Ct Lm		SILICEOUS ANDESITE 0.5% epidote, 0.5% pyrite, minor magnetite, calcite veins trace limonite	0.5	100		60240		<.1
110	W		W M			Py Ep Mg Lm Hm Ct		SILICEOUS ANDESITE 1% rusty pyrite, minor epidote, magnetite, trace calcite vns, limonite, hematite Quartz eye porphyry or volcaniclastic?	1	110		60241		<.1
120										120		120		

HOLE NO.: WAN-P | PROJECT: WAN 90 | PAGE NO.: 3 OF 8

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: OCTOBER 10 | REF. TO CLAIM CORNER:

COORDINATES: N. E. | DATE FINISHED: OCTOBER 12 | SCALE: 1" = 10 feet

INCLINATION: -90° | BEARING: — | TOTAL DEPTH: 460' | LOGGED BY: GARY SUTTON

SECTION	ALTERATION: PROPYLITIC	ALTERATION: PYROPHYLLITE	ALTERATION: SILICA	ALTERATION: SERICITE	FRACTURING	MINERAL	GEOLOGY	COMMENTS: DESCRIPTIVE GEOLOGY	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	HOLE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED % Cu
120						Py Ep Lm		SILICEOUS ANDESITE 1% pyrite, 1% epidote, trace limonite Epidote masses to 1×1×1 mm		1	120		120 60292		<.1
130	M		M			Py Ep Mg Lm		SILICEOUS ANDESITE 1% pyrite, 0.5% epidote, minor magnetite, trace limonite, hematite 20% Diabase Dyke		1	130		130 60293		<.1
140	M		M			Ep Py Mg		SILICEOUS ANDESITE 3% Epidote, minor pyrite, trace magnetite		<.5	140		140 60294		<.1
150	MH		MI			Ep Mg Py Ct		SILICEOUS ANDESITE 2% epidote, minor magnetite, pyrite, trace calcite veins		<.5	150		150 60295		<.1
160	MH		M			Ep Py Mg E Ct		SILICEOUS ANDESITE 2% epidote, 0.5% pyrite, minor magnetite, trace zeolites, calcite 1% quartz veins		0.5	160		160 60296		<.1
170	M		M			Ep Py Mg Ct Hm Lm		SILICEOUS ANDESITE 1% epidote, 0.5% pyrite, minor magnetite, trace calcite, hematite, limonite 1% quartz veins		0.5	170		170 60297		<.1
180	WM		W								180		180		

HOLE NO.: WAN-P | PROJECT: WAN 90 | PAGE NO.: 4 OF 8

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: OCTOBER 10 | REF. TO CLAIM CORNER:

COORDINATES: N. E. | DATE FINISHED: OCTOBER 12 | SCALE: 1" = 10 feet

INCLINATION: -90° | BEARING: — | TOTAL DEPTH: 460' | LOGGED BY: GARY SUTTON

SECTION	ALTERATION: PROPYLITIC	ALTERATION: PYROPHYLLITE	ALTERATION: SILICA	ALTERATION: SERICITE	FRACTURING	MINERAL	GEOLOGY	COMMENTS: / DESCRIPTIVE GEOLOGY	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	HOLE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED % Cu
180						Py Ep Mg Hm Z		SILICEOUS ANDESITE 0.5% pyrite, 0.5% epidote, minor magnetite, trace hematite, zeolites minor quartz veins		0.5	180		180 60248		<.1
190	W	W				Mg Py Ep Lm Hm Z		SILICEOUS ANDESITE 1% magnetite, minor pyrite, epidote, trace limonite, hematite, zeolites		<.5	190		190 60249		<.1
200	W	W				Mg Py Ep Lm Z Hm		SILICEOUS ANDESITE 1-2% magnetite, minor pyrite, trace epidote, limonite, zeolites, hematite		<.5	200		200 60250		<.1
210	W M	W				Mg Py Ep Lm Hm Z		SILICEOUS ANDESITE 1% magnetite, 1% pyrite, minor epidote, trace limonite, hematite, zeolites. Pyrite and magnetite masses to 0.5mm		1	210		210 60251		<.1
220	W M	W				Mg Py Ep Lm Hm Z		SILICEOUS ANDESITE 1% magnetite, 0.5% pyrite, minor epidote, trace limonite, hematite, zeolites		0.5	220		220 60252		<.1
230	W M	W				Mg Py Ep Lm Hm Z		SILICEOUS ANDESITE 1% magnetite, minor pyrite, epidote, trace limonite, zeolites		<.5	230		230 60253		<.1
240											240		240		

HOLE NO.: WAN-P | PROJECT: WAN 90 | PAGE NO.: 5 OF 8

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: OCTOBER 10 | REF. TO CLAIM CORNER:

COORDINATES: N. E. | DATE FINISHED: OCTOBER 12 | SCALE: 1" = 10 feet

INCLINATION: -90° | BEARING: — | TOTAL DEPTH: 460' | LOGGED BY: GARY SUTTON

SECTION	ALTERATION: PROPYLITIC	ALTERATION: PYROPHYLLITE	ALTERATION: SILICA	ALTERATION: SERICITE	FRACTURING	MINERAL	GEOLOGY	COMMENTS: / DESCRIPTIVE GEOLOGY	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	HOLE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED % Cu
240						Mg Py Ep Hm Lm		SILICEOUS ANDESITE 0.5% magnetite, minor pyrite, epidote, trace hematite, limonite		<.5	240		240 60254		<.1
	W M		W												
250						Mg Py Ep Hm Lm		SILICEOUS ANDESITE 0.5% magnetite, 0.5% pyrite, minor epidote, trace hematite, limonite		0.5	250		250 60255		<.1
	W M		W												
260						Ep Mg Hm Py		SILICEOUS ANDESITE 1% epidote, minor pyrite, trace hematite, pyrite, minor quartz vns Maroon and Green color		<.5	260		260 60256		<.1
	M		W												
270						Ep Mg Py Hm		SILICEOUS ANDESITE 1-2% epidote, minor magnetite, pyrite, trace hematite minor quartz veins very weak potassic alteration Maroon and Green color		<.5	270		270 60257		<.1
	HM		W												
280						Ep Mg Py Hm Sp ? Bt ?		SILICEOUS ANDESITE 3% epidote, minor magnetite, pyrite, trace hematite possible sphalerite or biotite?		<.5	280		280 60258		<.1
	I		W												
290						Ep Mg Py Hm Sp ? Bt ?		SILICEOUS ANDESITE 3% epidote, 1% magnetite, 0.5% pyrite, minor biotite trace hematite. possible sphalerite?		0.5	290		290 60259		<.1
	I		W												
300											300		300		

HOLE NO.: WAN-P | PROJECT: WAN 90 | PAGE NO.: 6 OF 8

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: OCTOBER 10 | REF. TO CLAIM CORNER:

COORDINATES: N. E. | DATE FINISHED: OCTOBER 12 | SCALE: 1" = 10 feet

INCLINATION: -90° | BEARING: — | TOTAL DEPTH: 460' | LOGGED BY: GARY SUTTON

SECTION	ALTERATION: PROPYLITIC	ALTERATION: PYROPHYLLITE	ALTERATION: SILICA	ALTERATION: SERICITE	FRACTURING	MINERAL	GEOLOGY	DESCRIPTIVE GEOLOGY	% SULPHIDES	DRILLING INTERVAL	HOLE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED % Cu
300						Ep Mg Py Hm Bt Sp	?	SILICEOUS ANDESITE 2-3% epidote, 1% magnetite, 0.5% pyrite, trace hematite, biotite, Calcite. Possible Sphalerite? Maroon and Green color	0.5	300		300 60260		<.1
310	HM		W							310		310		
						Ep Mg Py Bt Hm Ct		SILICEOUS ANDESITE 2% epidote, 1% magnetite, 0.5% pyrite, minor biotite, hematite trace calcite Maroon and Green color	0.5			60261		<.1
320										320		320		
	HM		W			Ep Mg Py Bt Hm		SILICEOUS ANDESITE 2% epidote, 0.5% magnetite, 0.5% pyrite, minor biotite, hematite Maroon and Green color	0.5			60262		<.1
330										330		330		
	M		W			Ep Mg Py Bt Ct		SILICEOUS ANDESITE 1-2% epidote, 0.5% magnetite, 0.5% pyrite, minor biotite, pyritic quartz veins. Trace calcite	0.5			60263		<.1
340										340		340		
	M		W			Ep Mg Py Bt Hm Lm Ct		SILICEOUS ANDESITE 1-2% epidote, 0.5% magnetite, 0.5% pyrite, minor biotite Trace hematite, limonite, calcite	0.5			60264		<.1
350										350		350		
	HM		W			Ep Mg Py Bt Hm Lm Ct		SILICEOUS ANDESITE 2% epidote, 0.5% magnetite, 0.5% pyrite, minor biotite Trace hematite, limonite, calcite 1% pyritic quartz veins	0.5			60265		<.1
360										360		360		

HOLE NO.: WAN-P | PROJECT: WAN 90 | PAGE NO.: 7 OF 8

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: OCTOBER 10 | REF. TO CLAIM CORNER:

COORDINATES: N. E. | DATE FINISHED: OCTOBER 12 | SCALE: 1" = 10 feet

INCLINATION: -90° | BEARING: — | TOTAL DEPTH: 460' | LOGGED BY: GARY SUTTON

SECTION	ALTERATION: PROPYLITIC	ALTERATION: PYROPHYLLITE	ALTERATION: SILICA	ALTERATION: SERICITE	FRACTURING	MINERAL	GEOLOGY	COMMENTS: / DESCRIPTIVE GEOLOGY	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	HOLE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED % Cu
360						Ep Mg Py Hm Bt		SILICEOUS ANDESITE 2% epidote, 1% magnetite, 1% pyrite, 1% hematite, minor biotite Pyrite and hematite masses to 1x1mm		1	360		360 60266		<.1
	M		W												
370						Ep Mg Py Hm Bt		SILICEOUS ANDESITE 1-2% epidote, 1% magnetite, 1% pyrite, 1% hematite, minor biotite, Pyritic quartz veins. Pyrite and hematite masses to 1x1mm		1	370		370 60267		<.1
	M		W												
380						Mg Py Ep Hm Ct		SILICEOUS ANDESITE 1% magnetite, 1% pyrite, 0.5% epidote, trace hematite Minor calcite and quartz veins		1	380		380 60268		<.1
	W M		W												
390						Mg Py Ep Hm Ct		SILICEOUS ANDESITE 1-2% magnetite, 1% pyrite, 1% epidote, trace hematite Minor pyritic-epidotic quartz and calcite veins Epidote veinlets 0.5mm		1	390		390 60269		<.1
	W M		W												
400						Mg Ep Py Hm Ct		SILICEOUS ANDESITE 2% magnetite, 1% epidote, 0.5% pyrite, trace hematite Minor pyritic-epidotic quartz and calcite veins		0.5	400		400 60270		<.1
	W M		W												
410						Mg Ep Py Hm Ct		SILICEOUS ANDESITE 2% magnetite, 1% epidote, 0.5% pyrite, trace hematite Minor pyritic-epidotic quartz and calcite veins		0.5	410		410 60271		<.1
	W M		W												
420											420		420		

HOLE NO.: WAN-P | PROJECT: WAN 90 | PAGE NO.: 8 OF 8

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: OCTOBER 10 | REF. TO CLAIM CORNER:

COORDINATES: N. E. | DATE FINISHED: OCTOBER 12 | SCALE: 1" = 10 feet

INCLINATION: -90° | BEARING: — | TOTAL DEPTH: 460' | LOGGED BY: GARY SUTTON

SECTION	ALTERATION: PROPYLITIC	ALTERATION: PYROPHYLLITE	ALTERATION: SILICA	ALTERATION: SERICITE	FRACTURING	MINERAL	GEOLOGY	DESCRIPTIVE GEOLOGY	% SULPHIDES	DRILLING INTERVAL	HOLE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED % Cu
420								COMMENTS:		420		420		
	W M					Mg Ep Py Hm Lm		ANDESITE 2% magnetite, 1% epidote, 0.5% pyrite, trace hematite, limonite minor epidotic quartz veins	0.5			60272		<.1
430										430		430		
	W					Mg Py Ep Ct		ANDESITE 2% magnetite, 1% pyrite, minor epidote minor calcite veins and epidotic quartz veins	1			60273		<.1
440										440		440		
	W					Mg Py Ep Ct Hm		50% ANDESITE 2% magnetite, 1% pyrite, minor epidote, trace hematite minor calcite veins and epidotic quartz veins	1			60274		<.1
445	M		M H			Ep Py Ct		50% SILICEOUS ANDESITE 1% epidote, 1% pyrite, minor calcite and pyritic-epidotic quartz veins		450		450		
450	M H		M H			Ep Py Mg		SILICEOUS ANDESITE 1-2% epidote, 1% pyrite, trace magnetite	1			60275		<.1
										460		460		
460								460' END OF HOLE						

HOLE NO.: WAN-S | PROJECT: WAN 90 | PAGE NO.: 1 OF 5

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: OCTOBER 9 | REF. TO CLAIM CORNER:

COORDINATES: N. E. | DATE FINISHED: OCTOBER 9 | SCALE: 1" = 10 feet

INCLINATION: -90° | BEARING: — | TOTAL DEPTH: 330' | LOGGED BY: GARY SUTTON

SECTION	ALTERATION: PROPYLITIC	ALTERATION: PYROPHYLLITE	ALTERATION: SILICA	ALTERATION: SERICITE	FRACTURING	MINERAL	GEOLOGY	DESCRIPTIVE GEOLOGY	% SULPHIDES	DRILLING INTERVAL	HOLE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED % Cu
60								0-65 OVERBURDEN		60		60		
65	W		W			Mg Py Ep Lm		SILICEOUS ANDESITE 1% magnetite, 1% pyrite, minor epidote, trace limonite Volcaniclastic?	1			60204 65		< .1
70						Mg Py Ep Lm		SILICEOUS ANDESITE - VOLCANICLASTIC		70		70		
	W		W					1% magnetite, 0.5% pyrite, minor epidote, trace limonite Very weak potassic alteration	0.5			60205 80		< .1
80										80				
	W		W			Mg Py Ep Lm		SILICEOUS ANDESITE 1% magnetite, 1% pyrite, minor epidote, trace limonite Weak potassic alteration	1			60206 90		< .1
90										90				
	W		W M			Mg Py Ep Lm		SILICEOUS ANDESITE 1% magnetite, 1% pyrite, minor epidote, trace limonite Weak potassic alteration 30% Diabase dyke	1			60207 100		< .1
100						Ep Py Mg		SILICEOUS ANDESITE		100				
	M		M					2% epidote, 1.5% pyrite, minor magnetite Epidote veinlets Weak potassic alteration	1.5			60208 110		< .1
110						Ep Py Mg		SILICEOUS ANDESITE		110				
	M		I					2% epidote, 1.5% pyrite, minor magnetite Pale blue-gray color	1.5			60209 120		< .1
120										120				

COMMENTS:

AVE CORE REC'Y / HOLE

HOLE NO.: WAN-S | PROJECT: WAN 90 | PAGE NO.: 2 OF 5

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: OCTOBER 9 | REF. TO CLAIM CORNER:

COORDINATES: N. E. | DATE FINISHED: OCTOBER 9 | SCALE: 1" = 10 feet

INCLINATION: -90° | BEARING: — | TOTAL DEPTH: 330' | LOGGED BY: GARY SUTTON

SECTION	ALTERATION: PROPYLITIC	ALTERATION: PYROPHYLLITE	ALTERATION: SILICA	ALTERATION: SERICITE	FRACTURING	MINERAL	GEOLOGY	DESCRIPTIVE GEOLOGY	% SULPHIDES	DRILLING INTERVAL	HOLE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED % Cu
120								COMMENTS: AVE CORE REC'Y / HOLE		120		120		
	M		I			Ep Py Mg		SILICEOUS ANDESITE – ANDESITE PORPHYRY 2% epidote, 1% pyrite, minor magnetite Pale blue-gray color	1			60210		<.1
130						Ep Py Mg Lm		SILICEOUS ANDESITE 1.5% epidote, 1% pyrite, minor magnetite, trace limonite		130		130		
	M		M						1			60211		<.1
140						Ep Py Mg Z Lm		SILICEOUS ANDESITE – ANDESITE PORPHYRY 1.5% epidote, 1% pyrite, minor magnetite, trace zeolites, limonite		140		140		
	M		W M						1			60212		<.1
150						Ep Py Mg Ct		SILICEOUS ANDESITE 3% epidote, 1% pyrite, minor magnetite, calcite, trace zeolites Weak potassic alteration		150		150		
	I		W M						1			60213		<.1
160						Ep Py Mg Ct Z		SILICEOUS ANDESITE 1% epidote, 1% pyrite, minor magnetite, calcite, trace zeolites Weak potassic alteration		160		160		
	M		W						1			60214		<.1
170						Py Ep Mg		SILICEOUS ANDESITE 0.5% pyrite, 0.5% epidote, minor magnetite weak potassic alteration		170		170		
	W M		W						0.5			60215		<.1
180										180		180		

HOLE NO.: WAN-5 | PROJECT: WAN 90 | PAGE NO.: 3 OF 5

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: OCTOBER 9 | REF. TO CLAIM CORNER:

COORDINATES: N. E. | DATE FINISHED: OCTOBER 9 | SCALE: 1" = 10 feet

INCLINATION: -90° | BEARING: — | TOTAL DEPTH: 330' | LOGGED BY: GARY SUTTON

SECTION	ALTERATION: PROPYLITIC	ALTERATION: PYROPHYLLITE	ALTERATION: SILICA	ALTERATION: SERICITE	FRACTURING	MINERAL	GEOLOGY	COMMENTS: / DESCRIPTIVE GEOLOGY	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	HOLE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED % Cu
180						Mg Py Ep		SILICEOUS ANDESITE 1% magnetite, 0.5% epidote, 0.5% pyrite Pyrite veinlets Weak potassic alteration		0.5	180		180 60216		<.1
190	M		W			Mg Ep Py		SILICEOUS ANDESITE 1% magnetite, 1% epidote, 0.5% pyrite 2% pyritic quartz veins Weak potassic alteration		0.5	190		190 60217		<.1
200	M		M I			Ep Py Mg		SILICEOUS ANDESITE 1% epidote, 0.5% pyrite, minor magnetite 1% pyritic quartz veins Weak potassic alteration		0.5	200		200 60218		<.1
210	M		M			Ep Py Mg Lm		SILICEOUS ANDESITE 1% epidote, 0.5% pyrite, 0.5% magnetite, trace limonite Weak potassic alteration		0.5	210		210 60219		<.1
220	M I		M I			Ep Py Mg Z		SILICEOUS ANDESITE 2% epidote, 0.5% pyrite, 0.5% magnetite, trace zeolites Very weak potassic alteration		0.5	220		220 60220		<.1
230	W M		M I			Ep Mg Py Lm		SILICEOUS ANDESITE 0.5% epidote, 0.5% magnetite, 0.5% pyrite, trace limonite Very weak potassic alteration		0.5	230		230 60221		<.1
240											240		240		

HOLE NO.: WAN-5 | PROJECT: WAN 90 | PAGE NO.: 4 OF 5

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: OCTOBER 9 | REF. TO CLAIM CORNER:

COORDINATES: N. E. | DATE FINISHED: OCTOBER 9 | SCALE: 1" = 10 feet

INCLINATION: -90° | BEARING: — | TOTAL DEPTH: 330' | LOGGED BY: GARY SUTTON

SECTION	ALTERATION: PROPYLITIC	ALTERATION: PHYLLITE	ALTERATION: SILICA	ALTERATION: SERICITE	FRACTURING	MINERAL	GEOLOGY	DESCRIPTIVE GEOLOGY	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	HOLE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED % Cu
240											240		240		
	W		M			Mg Py Ep		SILICEOUS ANDESITE 1% magnetite, 1% pyrite, minor epidote Magnetite veinlet 0.1mm wide in quartz, 1% pyritic quartz veins Weak potassic alteration		1			60222		<.1
250						Py Mg Ep Z		SILICEOUS ANDESITE 1% pyrite, 1% magnetite, minor epidote, trace zeolites Very weak potassic alteration		1	250		250 60223		<.1
260						Py Mg Ep Z		SILICEOUS ANDESITE 1% pyrite, 1% magnetite, minor epidote, trace zeolites Weak potassic alteration		1	260		260 60224		<.1
270	W M		W M			Mg Py Ep Lm		SILICEOUS ANDESITE 2% magnetite, 1% pyrite, 0.5% epidote, trace limonite 1% quartz veins, pyrite and magnetite masses to 1x1mm Weak potassic alteration		1	270		270 60225		<.1
280	W		W M			Mg Py Ep Z		SILICEOUS ANDESITE 2% magnetite, 1% pyrite, minor epidote, trace zeolites 1% pyritic quartz veins, pyrite and magnetite masses to 1x1mm Weak potassic alteration		1	280		280 60226		<.1
290	W		M			Mg Py Ep Z		SILICEOUS ANDESITE 1-2% magnetite, 0.5% pyrite, minor epidote, trace zeolites Weak potassic alteration		0.5	290		290 60227		<.1
300											300		300		

HOLE NO.: WAN-S | PROJECT: WAN 90 | PAGE NO.: 5 OF 5

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: OCTOBER 9 | REF. TO CLAIM CORNER:

COORDINATES: N. E. | DATE FINISHED: OCTOBER 9 | SCALE: 1" = 10 feet

INCLINATION: -90° | BEARING: — | TOTAL DEPTH: 330' | LOGGED BY: GARY SUTTON

SECTION	ALTERATION: PROPYLITIC	ALTERATION: PYROPHYLLITE	ALTERATION: SILICA	ALTERATION: SERICITE	FRACTURING	MINERAL	GEOLOGY	DESCRIPTIVE GEOLOGY	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	HOLE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED % Cu
300						Mg Py Ep Z		SILICEOUS ANDESITE 1-2% magnetite, minor pyrite, epidote, trace zeolites			300		300 60228		
	W		W M					Very weak potassic alteration		<.5					<.1
310						Mg Py Ep Z		SILICEOUS ANDESITE 2% magnetite, 0.5% pyrite, minor epidote, trace zeolites			310		310 60229		
	W		W M					Very weak potassic alteration		0.5					<.1
320						Mg Ep Py Z		SILICEOUS ANDESITE 1-2% magnetite, 1% epidote, 1% pyrite, trace zeolites			320		320 60230		
	M		W							1					<.1
330								330' END OF HOLE			330		330		

HOLE NO.: WAN-R | PROJECT: WAN 90 | PAGE NO.: 1 OF 5

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: OCTOBER 7 | REF. TO CLAIM CORNER:

COORDINATES: N. E. | DATE FINISHED: OCTOBER 8 | SCALE: 1" = 10 feet

INCLINATION: -90° | BEARING: — | TOTAL DEPTH: 380' | LOGGED BY: GARY SUTTON

SECTION	ALTERATION: PROPYLITIC	ALTERATION: PYROPHYLLITE	ALTERATION: SILICA	ALTERATION: SERICITE	FRACTURING	MINERAL	GEOLOGY	COMMENTS: / DESCRIPTIVE GEOLOGY	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	HOLE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED % Cu
90											90		90		
								0-95 OVERBURDEN					95		
95			M H			Py Mg Lm		SILICEOUS ANDESITE 2% pyrite, minor magnetite, trace limonite Pyrite masses to 1x1x2 mm and as veinlets and disseminations		2			SL109		<.1
100						Py Mg Lm		SILICEOUS ANDESITE 1.5% pyrite, trace magnetite, limonite Slight blue color		1.5	100		100 97L109		<.1
110			M I			Py Mg Lm		SILICEOUS ANDESITE 1% pyrite, minor magnetite, trace limonite Very weak potassic alteration		1	110		110 LL109		<.1
120						Py Mg Lm Ep		SILICEOUS ANDESITE 1% pyrite, 1% magnetite, trace limonite, epidote Pyrite and magnetite masses to 1x1 mm		1	120		120 87109		<.1
130	W	M H				Py Mg Z Ep Lm		SILICEOUS ANDESITE 1% pyrite, 1% magnetite, trace zeolite, epidote, limonite		1	130		130 64109		<.1
140	W	M H				Mg Py Lm Ep		SILICEOUS ANDESITE 1-2% magnetite, 1% pyrite, trace limonite, epidote Pyrite and magnetite masses to 1x1 mm		1	140		140 08109		<.1
150											150		150		

HOLE NO.: WAN-R | PROJECT: WAN 90 | PAGE NO.: 2 OF 5

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: OCTOBER 7 | REF. TO CLAIM CORNER:

COORDINATES: N. E. | DATE FINISHED: OCTOBER 8 | SCALE: 1" = 10 feet

INCLINATION: -90° | BEARING: — | TOTAL DEPTH: 380' | LOGGED BY: GARY SUTTON

SECTION	ALTERATION: PROPYLITIC	ALTERATION: PYROPHYLLITE	ALTERATION: SILICA	ALTERATION: SERICITE	FRACTURING	MINERAL	GEOLOGY	COMMENTS: / DESCRIPTIVE GEOLOGY	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	HOLE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED % Cu
150						Py Mg Lm Ep Z		SILICEOUS ANDESITE 2% magnetite, 1.5% pyrite, trace limonite, epidote, zeolites Pyrite and magnetite masses to 1 x 2 mm		1.5	150		150 18109		<.1
160	W		M			Mg Py Ep		SILICEOUS ANDESITE 1-2% magnetite, 1% pyrite, trace epidote Pyrite and magnetite masses to 1 x 1 mm		1	160		160 28109		<.1
170	W		M			Mg Py Ep		SILICEOUS ANDESITE 1-2% magnetite, 1% pyrite, trace epidote Pyrite and magnetite masses to 1 x 1 mm		1	170		170 38109		<.1
180	W		M			Mg Py Ep Lm		SILICEOUS ANDESITE 1-2% magnetite, 1% pyrite, trace epidote, limonite Pyrite and magnetite masses to 1 x 1 mm		1	180		180 48109		<.1
190	W		M			Mg Py Ep		SILICEOUS ANDESITE 1-2% magnetite, 1% pyrite, trace epidote Pyrite and magnetite masses to 1 x 1 mm		1	190		190 58109		<.1
200	W		M			Mg Py Ep		SILICEOUS ANDESITE 2% magnetite, 1% pyrite, trace epidote Pyrite and magnetite masses to 1 x 1 mm		1	200		200 98109		<.1
210											210		210		

HOLE NO.: WAN-R | PROJECT: WAN 90 | PAGE NO.: 3 OF 5

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: OCTOBER 7 | REF. TO CLAIM CORNER:

COORDINATES: N. E. | DATE FINISHED: OCTOBER 8 | SCALE: 1" = 10 feet

INCLINATION: -90° | BEARING: — | TOTAL DEPTH: 380' | LOGGED BY: GARY SUTTON

SECTION	ALTERATION: PROPYLITIC	ALTERATION: PYROPHYLLITE	ALTERATION: SILICA	ALTERATION: SERICITE	FRACTURING	MINERAL	GEOLOGY	COMMENTS: / DESCRIPTIVE GEOLOGY	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	HOLE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED % Cu
210											210		210		
	W		M			Mg Py Ep		SILICEOUS ANDESITE 2% magnetite, 1% pyrite, trace epidote Pyrite and magnetite masses to 1x1 mm		1			L8109		<.1
220						Mg Py Ep		SILICEOUS ANDESITE 2% magnetite, 1% pyrite, trace epidote			220		220		
	W		W M							1			88109		<.1
230						Mg Py Ep		SILICEOUS ANDESITE – CLASTIC 2% magnetite, 1% pyrite, trace epidote			230		230		
	W		W							1			68109		<.1
240						Mg Py Ep		ANDESITIC VOLCANICLASTIC 2% magnetite, 1% pyrite, minor epidote Brownish color			240		240		
	W		W							1			06109		<.1
250						Mg Py Ep		ANDESITE – VOLCANICLASTIC 2% magnetite, 1% pyrite, trace epidote 2% pyritic quartz veins			250		250		
	W		W							1			16109		<.1
260						Mg Py Ep		ANDESITE - VOLCANICLASTIC 2% magnetite, 1% pyrite, trace epidote Very weak potassic alteration 1% pyritic quartz veins Pyrite and magnetite masses to 1x1 mm			260		260		
	W		W							1			26109		<.1
270											270		270		

HOLE NO.: WAN - R | PROJECT: WAN 90 | PAGE NO.: 4 OF 5

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: OCTOBER 7 | REF. TO CLAIM CORNER:

COORDINATES: N. E. | DATE FINISHED: OCTOBER 8 | SCALE: 1" = 10 feet

INCLINATION: -90° | BEARING: — | TOTAL DEPTH: 380' | LOGGED BY: GARY SUTTON

SECTION	ALTERATION: PROPYLITIC	ALTERATION: PYROPHYLLITE	ALTERATION: SILICA	ALTERATION: SERICITE	FRACTURING	MINERAL	GEOLOGY	DESCRIPTIVE GEOLOGY	% SULPHIDES	DRILLING INTERVAL	HOLE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED % Cu
270						Py Mg Ep		SILICEOUS ANDESITE 1% pyrite, minor magnetite, epidote		270		270		
	W		I						1			60193		<.1
280						Py Mg Ep Lm		SILICEOUS ANDESITE 1.5% pyrite, 1% magnetite, trace epidote, limonite Weak potassic alteration Pyrite veinlets and masses to 1x1x1 mm		280		280		
	W		I						1.5			60194		<.1
290						Py Mg Ep Lm Z		SILICEOUS ANDESITE 1.5% pyrite, 1.5% magnetite, minor epidote, trace limonite, zeolites Weak potassic alteration		290		290		
	W M		M I						1.5			60195		<.1
300						Mg Py Ep		SILICEOUS ANDESITE 2% magnetite, 1% pyrite, trace epidote Weak potassic alteration		300		300		
	W		M						1			60196		<.1
310						Mg Py Ep		SILICEOUS ANDESITE 2% magnetite, 1% pyrite, trace epidote, zeolites 1% pyritic quartz veins		310		310		
	W		W M						1			60197		<.1
320						Mg Py Ep		SILICEOUS ANDESITE 2% magnetite, 0.5% pyrite, trace epidote Pyrite and magnetite masses to 1x1 mm Weak potassic alteration		320		320		
	W		W M						0.5			60198		<.1
330										330		330		

HOLE NO.: WAN-R | PROJECT: WAN 90 | PAGE NO.: 5 OF 5

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: OCTOBER 7 | REF. TO CLAIM CORNER:

COORDINATES: N. E. | DATE FINISHED: OCTOBER 8 | SCALE: 1" = 10 feet

INCLINATION: -90° | BEARING: — | TOTAL DEPTH: 380' | LOGGED BY: GARY SUTTON

SECTION	ALTERATION: PROPYLITIC	ALTERATION: PYROPHYLLITE	ALTERATION: SILICA	ALTERATION: SERICITE	FRACTURING	MINERAL	GEOLOGY	COMMENTS: / DESCRIPTIVE GEOLOGY	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	HOLE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED % Cu
330						Mg Py		SILICEOUS ANDESITE			330		330		
	W		W M			Gp Z		2-3% magnetite, 0.5% pyrite, minor epidote, trace zeolites Weak potassic alteration		0.5			60199		<.1
340						Mg Py		SILICEOUS ANDESITE			340		340		
	W M		W M			Gp Z Bn?		2-3% magnetite, minor pyrite, epidote, trace zeolites 1% pyritic quartz veins, Possible bornite? Weak potassic alteration		<.5			60200		<.1
350						Mg Py		SILICEOUS ANDESITE			350		350		
	W M		M I			Gp Z		2% magnetite, 1% pyrite, minor epidote, trace zeolites Weak potassic alteration		1			60201		<.1
360						Mg Py		SILICEOUS ANDESITE			360		360		
	W		I			Gp		1-2% magnetite, 1.5% pyrite, minor epidote ~ 10% Quartz monzonite Weak potassic alteration		1.5			60202		<.1
370						Mg Py		SILICEOUS ANDESITE			370		370		
	M		I			Gp Z		1-2% magnetite, 1.5% pyrite, minor epidote, trace zeolites Pyrite and magnetite masses to 1x1mm Moderate - Intense potassic alteration Quartz Monzonite?		1.5			60203		<.1
380								380' END OF HOLE			380		380		

HOLE NO.: WAN-Q | PROJECT: WAN 90 | PAGE NO.: 1 OF 7

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: OCTOBER 5 | REF. TO CLAIM CORNER:

COORDINATES: N. E. | DATE FINISHED: OCTOBER 6 | SCALE: 1" = 10 feet

INCLINATION: -90° | BEARING: — | TOTAL DEPTH: 410' | LOGGED BY: GARY SUTTON

SECTION	ALTERATION: PROPYLITIC	ALTERATION: PYROPHYLLITE	ALTERATION: SILICA	ALTERATION: SERICITE	FRACTURING	MINERAL	GEOLOGY	COMMENTS: / DESCRIPTIVE GEOLOGY	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	HOLE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED % Cu
0								0-10 OVERBURDEN			0		0		
10								SILICEOUS ANDESITE AND ROAD GRAVEL			10		0 50535		
20						Py Mg Ep		SILICEOUS ANDESITE 19o disseminated pyrite, minor magnetite, epidote Extremely altered for intense silicification. Some light green patches of original andesite		1	20		10 50536		<.1
30	W		I			Py Mg		SILICEOUS ANDESITE 19o pyrite, trace magnetite		1	30		20 50537		<.1
40			I			Py Mg Lm		SILICEOUS ANDESITE 19o pyrite, trace magnetite, limonite		1	40		30 50538		<.1
50	W		M H			Py Ep Mg Lm		SILICEOUS ANDESITE 19o pyrite, minor epidote, trace magnetite, limonite		1	50		40 50539		<.1
60											60		50		

HOLE NO.: WAN-Q | PROJECT: WAN 90 | PAGE NO.: 2 OF 7

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: OCTOBER 5 | REF. TO CLAIM CORNER:

COORDINATES: N. E. | DATE FINISHED: OCTOBER 6 | SCALE: 1" = 10 feet

INCLINATION: -90° | BEARING: — | TOTAL DEPTH: 410' | LOGGED BY: GARY SUTTON

SECTION	ALTERATION: PROPYLITIC	ALTERATION: PYROPHYLLITE	ALTERATION: SILICA	ALTERATION: SERICITE	FRACTURING	MINERAL	GEOLOGY	COMMENTS: / DESCRIPTIVE GEOLOGY	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	HOLE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED % Cu
60						Py Ep Mg Cp?		SILICEOUS ANDESITE 1% pyrite, 0.5% epidote, minor magnetite, possible chalcopyrite		1	60		60 50540		<.1
70	M		M			Mg Py Ep		SILICEOUS ANDESITE - CLASTIC 2% magnetite, 0.5% pyrite, 0.5% epidote Trace weak potassic alteration		0.5	70		70 50541		<.1
80	M		M			Mg Py Ep		SILICEOUS ANDESITE 3% magnetite, minor pyrite, epidote Grey colour instead of usual green, high silica content, possibly a rhyolitic rock		<.5	80		80 50542		<.1
90	W		W			Mg Py Ep		SILICEOUS ANDESITE 2% magnetite, minor pyrite, epidote		<.5	90		90 50543		<.1
100	W		W			Mg Py Ep Z		SILICEOUS ANDESITE 2% magnetite, 1% pyrite, minor epidote, zeolites, quartz veins Weak potassic alteration		1	100		100 50544		<.1
110	W		W			Mg Py Ep		SILICEOUS ANDESITE 1% magnetite, 0.5% pyrite, minor epidote Trace weak potassic alteration		0.5	110		110 50545		<.1
120											120		120		

HOLE NO.: WAN-Q | PROJECT: WAN 90 | PAGE NO.: 3 OF 7

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: OCTOBER 5 | REF. TO CLAIM CORNER:

COORDINATES: N. E. | DATE FINISHED: OCTOBER 6 | SCALE: 1" = 10 feet

INCLINATION: -90° | BEARING: — | TOTAL DEPTH: 410' | LOGGED BY: GARY SUTTON

SECTION	ALTERATION: PROPYLITIC	ALTERATION: PYROPHYLLITE	ALTERATION: SILICA	ALTERATION: SERICITE	FRACTURING	MINERAL	GEOLOGY	COMMENTS: / DESCRIPTIVE GEOLOGY	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	HOLE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED % Cu
120											120		120		
	W		W			Mg Py Ep		SILICEOUS ANDESITE 1% Magnetite, 0.5% pyrite, minor epidote		0.5			50546		<.1
130						Py Mg Ep		SILICEOUS ANDESITE 1% Pyrite, minor magnetite, epidote Weak potassic alteration		1	130		130 50547		<.1
140						Py Mg Ep Lm		SILICEOUS ANDESITE 1% pyrite, minor magnetite, epidote, trace limonite Weak potassic alteration		1	140		140 50548		<.1
150						Py Ep Mg		SILICEOUS ANDESITE 0.5% pyrite, 0.5% epidote, minor magnetite Weak potassic alteration		0.5	150		150 50549		<.1
160						Py Ep Mg		SILICEOUS ANDESITE 0.5% pyrite, 0.5% epidote, minor magnetite		0.5	160		160 50550		<.1
170						Py Ep Mg Lm		SILICEOUS ANDESITE 1% pyrite, 0.5% epidote, 0.5% magnetite, trace limonite Weak potassic alteration		1	170		170 15109		<.1
180											180		180		

HOLE NO.: WAN-Q | PROJECT: WAN 90 | PAGE NO.: 4 OF 7

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: OCTOBER 5 | REF. TO CLAIM CORNER:

COORDINATES: N. E. | DATE FINISHED: OCTOBER 6 | SCALE: 1" = 10 feet

INCLINATION: -90° | BEARING: — | TOTAL DEPTH: 410' | LOGGED BY: GARY SUTTON

SECTION	ALTERATION: PROPYLITIC	ALTERATION: PYROPHYLLITE	ALTERATION: SILICA	ALTERATION: SERICITE	FRACTURING	MINERAL	GEOLOGY	DESCRIPTIVE GEOLOGY	% SULPHIDES	DRILLING INTERVAL	HOLE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED % Cu
180						Mg Py		ANDESITE		180		180		
	W		W			Ep		2% magnetite, 0.5% pyrite, minor epidote	0.5			6052		<.1
190						Mg Py		SILICEOUS ANDESITE		190		190		
	W		W			Ep		3% magnetite, 1% pyrite, minor epidote	1			6053		<.1
	M		M					Blebs of pyrite to 1x2 mm, minor quartz veins						
200						Mg Py		SILICEOUS ANDESITE		200		200		
	W		M			Ep		4% magnetite, 2% pyrite, minor epidote	2			6054		<.1
								Pyrite veinlets to 2mm and 1% pyritic quartz veins						
210								Weak potassic alteration		210		210		
						Mg Py		SILICEOUS ANDESITE						
	W		W			Ep		2% magnetite, 1-2% pyrite, trace epidote, zeolites	1.5			6055		<.1
			M			Z		2% pyritic quartz veins						
220								Weak potassic alteration		220		220		
						Mg Py		SILICEOUS ANDESITE						
	W		W			Z Ep		3% magnetite, 1.5% pyrite, trace zeolites, epidote	1.5			6056		<.1
								2% pyritic quartz veins						
230						Mg Py		SILICEOUS ANDESITE		230		230		
	W		W			Ep		5% magnetite, 2% pyrite, minor epidote	2			6057		<.1
								1% pyritic quartz veins						
240										240		240		

HOLE NO.: WAN-Q | PROJECT: WAN 90 | PAGE NO.: 5 OF 7

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: OCTOBER 5 | REF. TO CLAIM CORNER:

COORDINATES: N. E. | DATE FINISHED: OCTOBER 6 | SCALE: 1" = 10 feet

INCLINATION: -90° | BEARING: — | TOTAL DEPTH: 410' | LOGGED BY: GARY SUTTON

SECTION	ALTERATION: PROPYLITIC	ALTERATION: PYROPHYLLITE	ALTERATION: SILICA	ALTERATION: SERICITE	FRACTURING	MINERAL	GEOLOGY	DESCRIPTIVE GEOLOGY	SULPHIDES	DRILLING INTERVAL	HOLE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED % Cu
240						Mg Py Ep		SILICEOUS ANDESITE 5% magnetite, 1.5% pyrite, minor epidote, 1% pyritic quartz vns Trace weak potassic alteration	1.5	240		240 85109		<.1
	M		W											
250						Mg Py		ANDESITE 5% magnetite, 0.5% pyrite, minor quartz veins	0.5	250		250 60159		<.1
	W													
260						Mg Py Ep		SILICEOUS ANDESITE 2% magnetite, 1.5% pyrite, minor epidote, quartz veins Weak potassic alteration, Quartz Monzonite?	1.5	260		260 09109		<.1
	W M		W M											
270						Py Mg Ep		SILICEOUS ANDESITE 2% pyrite, 1% magnetite, minor epidote, pyritic quartz veins Trace pyrite veinlets or coatings on surfaces	2	270		270 19109		<.1
	M		M											
280						Mg Py Ep		SILICEOUS ANDESITE 2% magnetite, 2% pyrite, minor epidote, 1% pyritic quartz veins Pyrite coatings up to 2x2 mm	2	280		280 29109		<.1
	W M		W M											
290						Mg Py Ep		SILICEOUS ANDESITE 3% magnetite, 2% pyrite, minor epidote Minor pyritic quartz veins, pyrite coatings up to 2x2 mm	2	290		290 39109		<.1
	W M		W M											
300										300		300		

HOLE NO.: WAN-Q | PROJECT: WAN 90 | PAGE NO.: 6 OF 7

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: OCTOBER 5 | REF. TO CLAIM CORNER:

COORDINATES: N. E. | DATE FINISHED: OCTOBER 6 | SCALE: 1" = 10 feet

INCLINATION: -90° | BEARING: — | TOTAL DEPTH: 410' | LOGGED BY: GARY SUTTON

SECTION	ALTERATION: PROPYLITIC	ALTERATION: PYROPHYLLITE	ALTERATION: SILICA	ALTERATION: SERICITE	FRACTURING	MINERAL	GEOLOGY	COMMENTS: / DESCRIPTIVE GEOLOGY	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	HOLE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED % Cu
300						Mg Py Ep		SILICEOUS ANDESITE 3% magnetite, 1% pyrite, minor epidote			300		300		
	W		W M					Pyrite and magnetite masses to 1x1 mm		1			49109		<.1
310						Mg Py Ep		SILICEOUS ANDESITE 4% magnetite, 1% pyrite, minor epidote			310		310		
	W M		W M					Pyrite and magnetite masses to 1x2mm		1			59109		<.1
320						Mg Py Ep		SILICEOUS ANDESITE 3% magnetite, 0.5% pyrite, minor epidote			320		320		
	W M		M							0.5			99109		<.1
330						Mg Py Ep		SILICEOUS ANDESITE 3% magnetite, 1% pyrite, minor epidote			330		330		
	W M		M					Pyrite veinlet 2 x 5 x 0.25 mm with some magnetite Magnetite masses to 1x2mm		1			69109		<.1
340						Mg Py Ep		SILICEOUS ANDESITE			340		340		
	W		W M					4% magnetite, 1% pyrite, minor epidote 1x1mm pyrite and magnetite masses		1			89109		<.1
350						Mg Py Ep		SILICEOUS ANDESITE 3% magnetite, 1.5% pyrite, minor epidote			350		350		
	W		M					1x1mm pyrite and magnetite masses 1% quartz veins		1.5			69109		<.1
360											360		360		

HOLE NO.: WAN-Q | PROJECT: WAN 90 | PAGE NO.: 7 OF 7

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: OCTOBER 5 | REF. TO CLAIM CORNER:

COORDINATES: N. E. | DATE FINISHED: OCTOBER 6 | SCALE: 1" = 10 feet

INCLINATION: -90° | BEARING: — | TOTAL DEPTH: 410' | LOGGED BY: GARY SUTTON

SECTION	ALTERATION: PROPYLITIC	ALTERATION: PYROPHYLLITE	ALTERATION: SILICA	ALTERATION: SERICITE	FRACTURING	MINERAL	GEOLOGY	DESCRIPTIVE GEOLOGY	% SULPHIDES	DRILLING INTERVAL	HOLE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED % Cu
360								COMMENTS: AVE CORE REC'Y / HOLE		360		360		
	W		M			Mg Py Ep Z		SILICEOUS ANDESITE 2% magnetite, 1% pyrite, trace epidote, zeolites Pyrite bleb 1x1x1 mm	1			360 to 370		<.1
370	W M		M			Mg Py Ep		SILICEOUS ANDESITE 1-2% magnetite, 1% pyrite, trace epidote 1% pyritic quartz veins	1	370		370 to 380		<.1
380	W M		M			Py Mg Ep Z		SILICEOUS ANDESITE 2% pyrite, 1-2% magnetite, trace epidote, zeolites Pyrite mass 1x1x2 mm, Minor pyritic quartz veins	2	380		380 to 390		<.1
390	W		M I			Py Mg Ep		SILICEOUS ANDESITE 1.5% pyrite, 1% magnetite, trace epidote Pyrite and magnetite mass 1x1x2 mm 1% pyritic quartz veins	1.5	390		390 to 400		<.1
400	W		I			Py Mg Ep Z		SILICEOUS ANDESITE 1% pyrite, 0.5% magnetite, trace epidote, zeolites	1	400		400 to 410		<.1
410								410' End of Hole		410		410		