Daiwan Engineering Ltd.

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

PROSPECTING AND SAMPLING REPORT

ON THE

McNEILL PROPERTY

NORTH VANCOUVER ISLAND, BRITISH COLUMBIA

NTS: 92L11/E

Latitude: 50° 43' Longitude: 127° 52'

For

Universal Trident Industries Ltd. 1030 - 609 Granville Street Vancouver, B.C. V7Y 1G5

Ву

Ron Bilquist

July 19, 1991

SUB-REC REC AUG M.R. # VANCOL



Daiwan Engineering Ltd.

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

PROSPECTING AND SAMPLING REPORT

ON THE

McNEILL PROPERTY

NORTH VANCOUVER ISLAND, BRITISH COLUMBIA

NTS: 92L11/E

Latitude: 50° 43' Longitude: 127° 52'

For

Universal Trident Industries Ltd. 1030 - 609 Granville Street Vancouver, B.C. V7Y 1G5

Ву

Ron Bilquist

July 19, 1991

SUB-RECORDER RECEIVED

AUG 1 5 1991

VANCOUVER, B.C.

LOG NO: AUG 1 9 1991 RD.

TABLE OF CONTENTS

JFILE NU:	,	
INTRODUCTION	1	
LOCATION AND ACCESS	1	
PROPERTY	2	
PROSPECTOR'S REPORT	2	
CONCLUSIONS	4	
STATEMENT OF COSTS	5	
CERTIFICATE OF QUALIFICATIONS	6	

Figures

Figure 1 - Location Map	Following Page 1
Figure 2 - Claim Map	Following Page 1
Figure 3 - Prospecting Map	In Map Pocket
Figure 4 - Copper Gold Soil Geochemistry	Following Page 3
Figure 5 - Detailed Rock Sampling	Following Page 3

Appendices

Appendix I - Assay Certificates
Appendix II - Sample Descriptions

GEOLOGICAL BRANCH ASSESSMENT REPORT

21,580

Daiwan Engineering Ltd.

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

1

INTRODUCTION

At the request of Mr. Ron Philp, President of Universal Trident Industries Ltd., Daiwan Engineering Ltd.

conducted 16 man-days of exploration prospecting.

The program was carried out over the entire property and consisted of reconnaissance prospecting,

mapping and rock sampling along roadcuts and stream drainages, as well as heavy sediment sampling

of several creeks on the property to check for the presence of precious and base metals. Additionally,

more detailed rock and soil sampling was carried out over an area on the Cu 20, 23 and 24 claims where

disseminated chalcopyrite was found in andesitic rocks.

In 1989 the government moss mat sampling program had highlighted strong copper and gold anomalies

in drainages from the Oro claim, and extreme gold anomalies from drainages on the Plata claim.

The work program was carried out between May 28 and June 22, 1991. A total of \$8,374.40 was spent

prospecting on the claims.

LOCATION AND ACCESS

The claims are located 5 kilometres due south of Port McNeill on northern Vancouver Island.

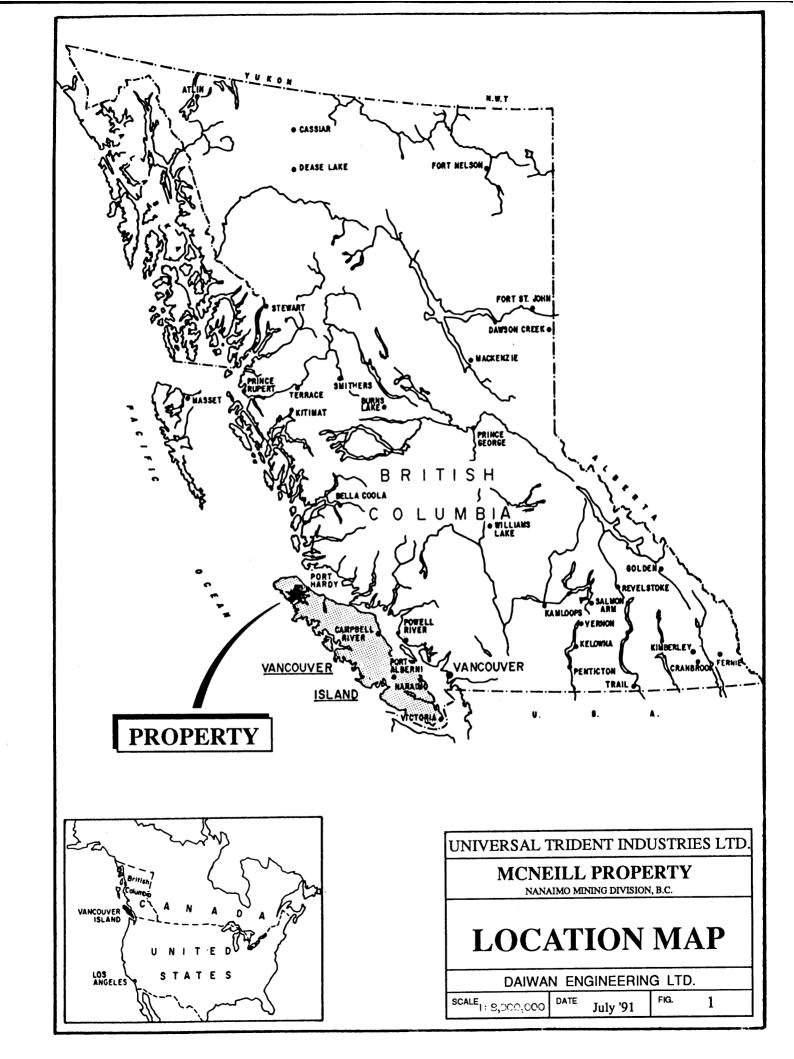
A good logging road "Cabin main" traverses the centre of the property in a northwesterly orientation.

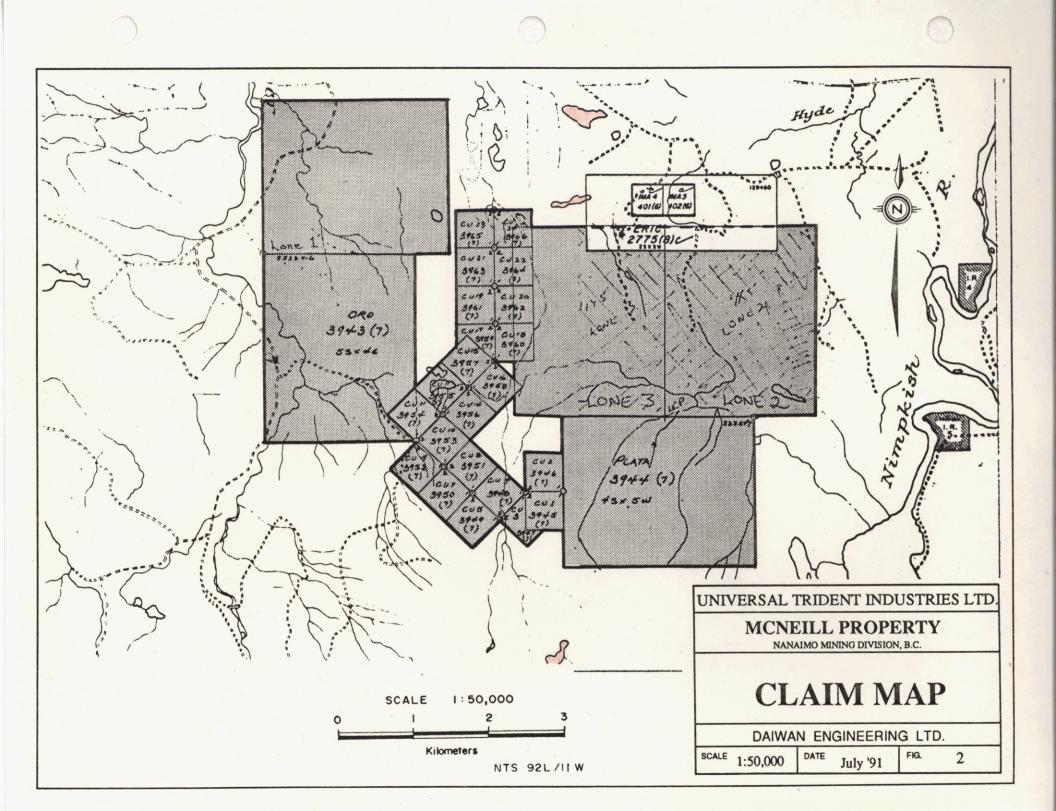
Several spur roads of this road, "Benson main" and "East main", provide good access to the claims.

There is moderate relief on the southern portion of the claims, but the northern portion is flat lying under

glacial till.

Daiwan Engineering Ltd.





PROPERTY

The property consists of the following contiguous claims located in the Nanaimo Mining Division. The claims are depicted on Figure 2:

Name	Record No.	<u>Units</u>	Expiry	Recorded Owner
				•
Oro	3943	20	July 26, 1991	Daiwan Engineering Ltd.
Plata	3944	20	July 26, 1991	Daiwan Engineering Ltd.
CU 1-5	3945-49	5	July 23, 1991	Daiwan Engineering Ltd.
CU 7-11	3950-54	5	July 23, 1991	Daiwan Engineering Ltd.
CU 13-24	3955-3966	12	July 23, 1991	Daiwan Engineering Ltd.
Lone 1	300472	20	May 26, 1992	Daiwan Engineering Ltd.
Lone 2	300473	20	May 28, 1992	Daiwan Engineering Ltd.
Lone 3	300474	20	May 27, 1992	Daiwan Engineering Ltd.

PROSPECTOR'S REPORT

Four days were spent on general prospecting across the claims to determine targets for future detailed exploration. One significant zone of bornite-chalcopyrite mineralization was identified for such follow up.

Two general rock types were found: sediments consisting of a grey or brown limestone, and volcanics consisting of pyroclastics, amygdaloidal andesite and andesite tuffs.

At a quarry just north of the Lone 2 and 3 claims the limestone is quite white and could be recrystalized. No mineralization was found here other than a little pyrite on some fractures.

The outcrops along the road cuts in Lone 2 were predominately andesite and amygdaloidal andesite. This rock is for the most part quite fresh. Amygdules consist of either quartz or epidote. Some intense fracturing and shearing was seen in one area near the centre of the claims. Occasional quartz veins and veinlets were found here as well.

The most interesting area of the claims appears to be within the Cu 2-post claims. The rocks appear to be a package of interbedded volcanics consisting of andesite, andesite tuffs and pyroclastics which are

3

green, red or purple in color. Disseminated bornite, chalcopyrite and pyrite were found in outcrop within

Cu 22 and Cu 20. The outcrops here lie in an area which drops off into overburden immediately to the

south. Approximately 700 meters to the southwest a little more copper was found. This occurs in an

outcrop in the roadcut. The rock is similar to the volcanics described at the copper showings and is

disseminated with pyrite. A trace of chalcopyrite was seen as well.

Throughout the remainder of the Cu claims the rock remains the same until the end of the road. At the

end of the road, two angular boulders were found in road debris. These were coated with malachite and

had disseminated pyrite and chalcopyrite (sample 57829; 0.33% Cu). The source of the boulders has

not yet been determined, however 600 metres furter west on the roadside there was malachite within a

strong shear. It is possible that there are a number of other shears in this area. There is also

considerably more epidote alteration in these rocks near the end of the road.

The silt and heavy sediment sampling on the claims failed to identify any significant copper or gold

anomalies.

Following the initial prospecting, described above, and the return of copper assays of over 2.0% Cu

(57838-39) from the roadcuts on the Cu 22 claim, detailed prospecting and rock chip sampling was

carried out by geologist D. Pawliuk. Steve Oakley assisted Pawliuk, and in addition collected 97 soil

samples from the area.

The rock chip sampling is detailed on figure 5. The weighted average assay of rock chip samples 76101

to 76108 is 0.29 % copper over a discontinuous exposure 93 metres in length; 44.6 metres of this

interval was actually sampled.

Geochemical soil sampling is detailed on figure 4. The sampling was carefully controlled to provide

a representative value for the copper content. There is discontinuous outcrop exposure within the zone,

and at each end it is cut off by coarse bouldery till. To the south of the zone there is no outcrop for

over 900 metres, however the first outcrops beyond that distance have chalcopyrite traces.

The soil sampling only shows limited response for copper, and this was only immediately above the

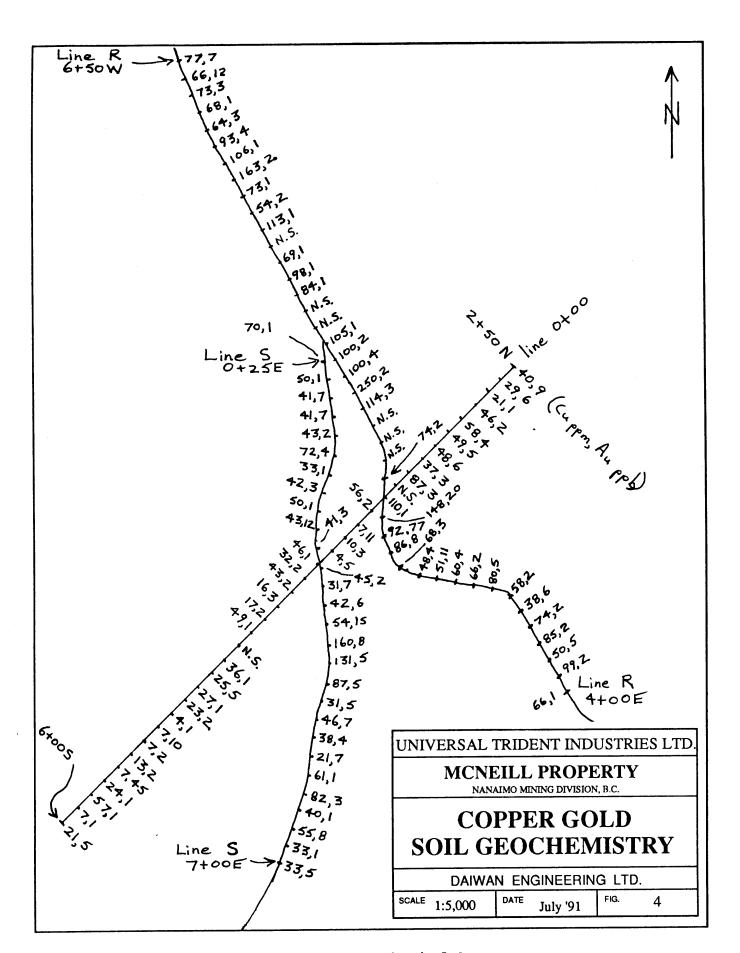
mineralized roadside outcrops. A review of the sample sites by P. G. Dasler, Geologist, determined that

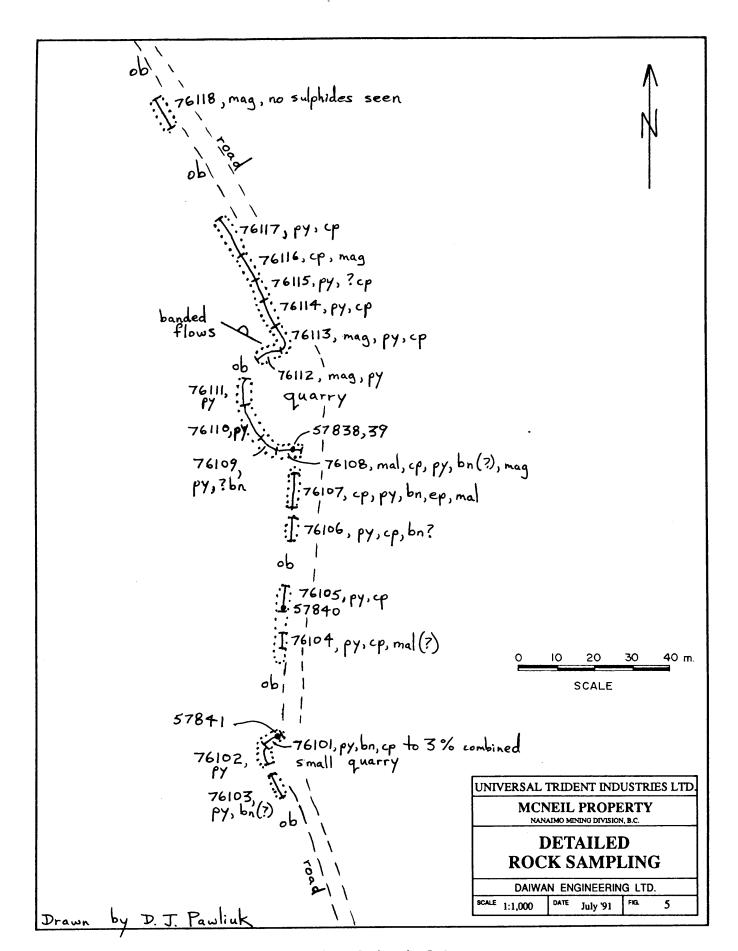
although there was moderately well developed soil in the road banks, this soil probably did not reflect

the underlying bedrock geology because of the considerable thickness of glacial till which is present.

The till is mainly composed of large boulders of intrusive with interbedded fine clays.

Daiwan Engineering Ltd.





CONCLUSIONS

More prospecting is required to expand and better define these new discoveries. There is quite poor outcrop exposure in large areas of the claims. Geochemistry (silt, soil and panned sediment) on the steeper areas, and geophysics on the lower areas of the property may be the best way to get a handle

on the mineral potential.

The strongly recrystallized limestone north of the Lone 2 claim indicates that there has been some

intrusive activity in the area. The large area of epidote alteration on the end of the spur road, and the

local malachite and azurite also indicate a large alteration event.

On the Cu 22 and Cu 20 claims the copper mineralization in the volcanics appears to be a replacement

event. The copper zone is quite extensive, and at either end it goes into overburden. A magnetics and

IP survey across this zone, with possible drilling, is necessary to determine its extent.

Daiwan Engineering Ltd.

STATEMENT OF COSTS

1.0 Personnel		
D. Pawliuk Geologist -2 days @ \$360	720.00	
R. Bilquist Prospector - 6 days @ \$260/day	1,560.00	
L. Allen Prospector - 6 day @ \$260	1,560.00	
S. Oakley Prospector - 2 days @ \$250/day	1,000.00	
		\$4,340.00
2.0 Food and Accommodation		
16 man days @ \$75/man day		1,200.00
3.0 Transportation		
4x4 truck - 8 days @ \$75/day (incl. gas)		600.00
4.0 Assays		
33 rocks, Au /AA; 30 el. ICP @ \$13.40	442.20	
97 soils, Au /AA; 30 el. ICP @ \$11.04	1,070.88	
8 silts, Au /AA; 30 el. ICP @ \$11.04	88.32	
Freight etc.	87.40	1,514.00
4.0 Field Supplies		
(flagging, topo, etc.)		50.00
5.0 Office Costs		
(typing, copying, drafting)		250.00
	sub total	7,954.00
	GST	556.78
		<u>\$8,510.78</u>

Daiwan Engineering Ltd.

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

CERTIFICATE OF QUALIFICATIONS

I, Ron Bilquist, do hereby certify that:

- 1.0 I am a prospector employed by Daiwan Engineering Ltd. with offices at 1030 609 Granville Street, Vancouver, B.C. V7Y 1G5.
- 2.0 I have been employed as a prospector for the past 22 years in various parts of Canada and the United States, and am President of Lone Trail Prospecting Ltd., at Box 81, Gabriola, B.C.
- 3.0 I have acquired a working knowledge of the techniques of prospecting over the past 22 years.
- 4.0 This report is based on a property examinations between May 28 and June 22, 1991.
- I have no interest in the Mc Neill property or in Universal Trident Industries Ltd nor do I expect to receive anything.

Ron Bilquist

Prospector

July 19, 1991

APPENDIX I

Assay Certificates

- SAMPLE TYPE: PT ROOK PZ PANNED S.S. AU* AMALYBIS BY ACID LEACH/AA FROM 10 GN SAMPLE.

DATE RECRIVED:

SIGNED J.D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

1253-1716

pob

12

3

3

19

3

6

12

14

X

.01

.01

. 03

. D1

_02

.01

.01

.01

X

.01

.02

.01

.01

.02

.01

.02 .01

.01

✓ ASSAY RECOMMENDED

ANALYTICAL

JUN-21-1991



SAPLE#	N	-	Cu	Pb		Åg		Co			4, 77	U	Au		Sr	₽d	Sb	Bi	٧	Ca	•	Le	Çr	Mg	te		9	AL	He	K	
٠	pp		How	blom	ppm	× pp	ppm	Pilan	PPR	*	· Pipe	blow	blam	bbs	bba		him	bba	pps	*	, j. 🤏	bba	bbs	X	bbas	3, 4 x 3	ppe	*	X	X ppm	pp
0.						À					***	_				· ; • 👱	_	_			300								•	, () ×	
o 57830	1	7	57	2	20		35	18	527	4.74	3 4 2	>	ND	7	34	: Z-Z	Z	Z	152	7.42	, 033	4	45	1.16	14	.46	72.	11 .	.04	.01	1
D 57831		1	45	2	54	× 1.	44	21	501	4.33	18.6	5	ND	1	34	Z	2	2	142	1.87	.022	3	4D	1.38	3	.54	9 2.	59 .	.02	.01	6
D 57832		1	40	2	57	: 31	44	22	598	4.19	7	5	ND	1	42	ş	2	2	130	2.01	.016	3	39	1.35	8	53	6 2.	73	.03	.02 1	ž
D 57833		1	45	2	56	4 .1	45	22	579	4.60	(18 %)	5	MD	1	35	\$	2	2	146	1.92	.025	3	40	1.48	7	.55	6 Z.			.02	3
D 57834	ì	1	38	2	52		40	21	500	4.44		5	ND	1	39	.4	3	2	144	1.97	.027	3	39	1.38	7	.36		51	.03	.01 🕺 💲	ī
B 97240		1	60	2	57	5 3	49	23	543	4.87	2	5	MO	1	40	823	2	2	154	1.92	.020	3	48	1.54	5	.56	6 2.	80	.02	.D1 1	7
B 97241	}	1	62	2	64		57	27	654	5.94	3	5	NO	2	43	6	3	2	193	2.22	.022	3	52	1.78	5	.62	93.		4 -	.01 1	5
B 97242	1	1	56	2	64	11.3	53	27	763	5.51	***** 2	5	ND	1	47	.2	2	2	166	2.03	.014	2	53	1.87	3	.56	63.			.01	3
STANDARD C	AU-S 1	9	59	39	132	7.3	74	32	1062	4.01	38	22	6	40	53	19.0	15	19	56	.48	.090	39	61	.90	175	.00	35 1.	91	.07	.15 12	53

TO 688783

BULLY BUG THOSE MORE

APPENDIX II

Sample Descriptions

ROCK DESCRIPTIONS

Sampling Summary

The total number of samples submitted for analyses was 138 which consisted of 33 rocks, 8 silts and 97 soils. Sample descriptions are as follows:

Number	<u>Description</u>
Rx	
57827	One to five cm wide quartz veins cutting amygdaloidal andesite
57828	Sparsely disseminated pyrite and chalcopyrite in porphyritic andesite and andesite tuff
57829	float; green-purple porphyritic andesite with malachite on fractures and disseminated pyrite and chalcopyrite
57835	fractured green andesite with disseminated pyrite and traces of chalcopyrite
57836	as above
57837	as above
57838	quarry; green-purple andesite porphyry with disseminated bornite and traces of malachite and chalcopyrite
57839	as above
57840	green-purple andesite with disseminated bornite
57841	quarry; purple andesite with disseminated pyrite and possible bornite and chalcopyrite

Silts from moss mats:

76101 Discontinuous chip across 5 m at 57841 sample site; locally to 3 % combined py, bn, cp where rock bleached to a light maroon-grey colour. Sulphides most abundant at toe of roadcut

	-
76102	Discontinuous chip across 3.8 m immediately adjacent to and south of 76101; traces py and no copper minerals seen. Possible QFP at end of sample interval where clear quartz eyes to 4 mm across in light grey-green feldspathic matrix. Overburden for 3 m south of 76102, then began 76103.
76103	Discontinuous chip across 7 m in dark greenish maroon andesite with local 0.5 % py speckles, bn(?) 1 % at one site, local trace calcite and zeolite. Generally less mafic than 76101,102; local watery grey quartz eyes.
76104	Discontinuous chip across 4 m in greyish green, fine to medium grained amygdaloidal andesite with local trace chalcopyrite, local 0.5 % pyrite, local malachite(?), local hematite along fractures. Moderately to weakly magnetic. Local quartz eyes.
76105	Discontinuous chip across 3.6 m in dark maroon to greyish green, fine grained amygdaloidal andesite with occasional py specks, rare cp. Locally strongly magnetic rock. 57840 sample site at beginning of sample interval.
76106	Discontinuous chip across 5.5 m in purplish green amygdaloidal andesite with local 0.5 % disseminated py, rare speck cp, bn?
76107	Discontinuous chip across 9.0 m in green to maroon, weakly to moderately magnetic, amygdaloidal andesite with cp, py, traces bn, ep; local mal. Hematite visible within moderately magnetic rock.
76108	Discontinuous chip across 6.7 m in dark green amygdaloidal andesite with mal, cp, py, bn(?), magnetite. 57838,39 at beginning of sample interval.
76109	Discontinuous chip across 6.5 m in dark green, weakly magnetic amygdaloidal andesite with trace py, ?bn; local lmnt on fracture surfaces.
76110	Discontinuous chip across 10.0 m in dark green, weakly to moderately magnetic amygdaloidal basalt/andesite with local trace pyrite.
76111	Discontinuous chip across 7.0 m; rock as above.
76112	Discont. chip across 7.4 m; rock as above with local mag, rare py. Banded flows appear

to strike approx. 119° dip 70° NE.

76113 Discont. chip across 7.3 m in greyish green andesite with mag, local trace py; traces finely disseminated cp at end of sample interval. 76114 Discont. chip across 7.5 m in moderately magnetic dark green amygdaloidal andesite with traces py. Speckles cp over 5.0 m of interval. 76115 Discont. chip across 6.0 m in dark green amygdaloidal basalt with traces py, local cp?? traces 76116 Discont. chip across 8.0 m in dark maroon amygdaloidal basalt; massive, medium grained flow with feldspar and hornblende phenos to 3 mm across. Local to 0.5 % chalcopyrite, especially within magnetite or zeolite? filling amygdules. End of sample interval at soil sample site R/1+00W. 76117 Discont. chip across 10.8 m in grey-green andesite with local trace very fine disseminated pyrite and chalcopyrite. Overburden at end of sample interval. 76118 Discont. chip across 8.5 m in dark grey-green moderately magnetic basalt with local lmnt on fracture surfaces; no sulphides seen. 76119 Discont. chip across 5.6 m in medium grey-green, weakly magnetic andesite with local trace pyrite. From roadcut on spur; start interval at 5+38.4 m along spur line S at north end of outcrop exposure. 76120 Discont. chip across 5.5 m in greenish grey, medium grained andesite with local trace pyrite; fresh-looking rock. 76121 Discont. chip across 5.0 m in maroon to green-maroon basalt with 1 % off-white amygdules to 1.5 cm across. Magnetite, hematite and local trace chalcopyrite. 76122 Discont. chip across 6.5 m in greyish maroon to light green basalt with abundant magnetite and hematite. Local traces chalcopyrite, pyrite and bornite?

Discont. chip across 7.9 m in grey-green andesite with traces pyrite, rare chalcopyrite.

76123

soils

Line 0+00; 2+50N to 6+00S

Line R; 6+50W to 4+00 E

Line S; 0+25 E to 7+00 E

