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Assessment Report  
Diamond Drill Report  
New Nanik Claim

Latitude 53 degrees 45 minutes North  
Longitude 127 degrees 42 minutes West

NTS 93 E/12 E and 93 E/13 E

Omenica Mining Division  
British Columbia

Benjamin Ainsworth, P.Eng. BC.

February 1992

**GEOLOGICAL BRANCH  
ASSESSMENT REPORT**

**22,246**

ANNUAL WORK APPROVAL NUMBER 91\*0200089\*357

## Summary

This report describes the results of a diamond drill program carried out by New Canamin Resources Ltd on the New Nanik Claim, which covers the Nanika Lake porphyry copper prospect in west-central British Columbia. Earlier work by Quintana Mineral Corporation (1968-1970) indicated a possible reserve of 20 million tons grading 0.437% copper with some molybdenum, gold and silver values.

A program of five drill-holes, each of 100 meters in depth, was carried in the period 26th September to 5th October 1991. In order to obtain prompt permitting for the late season work, the drill sites were selected on old drill roads. This resulted in reduced environmental impact but some drill sites were located further from target than had been originally intended.

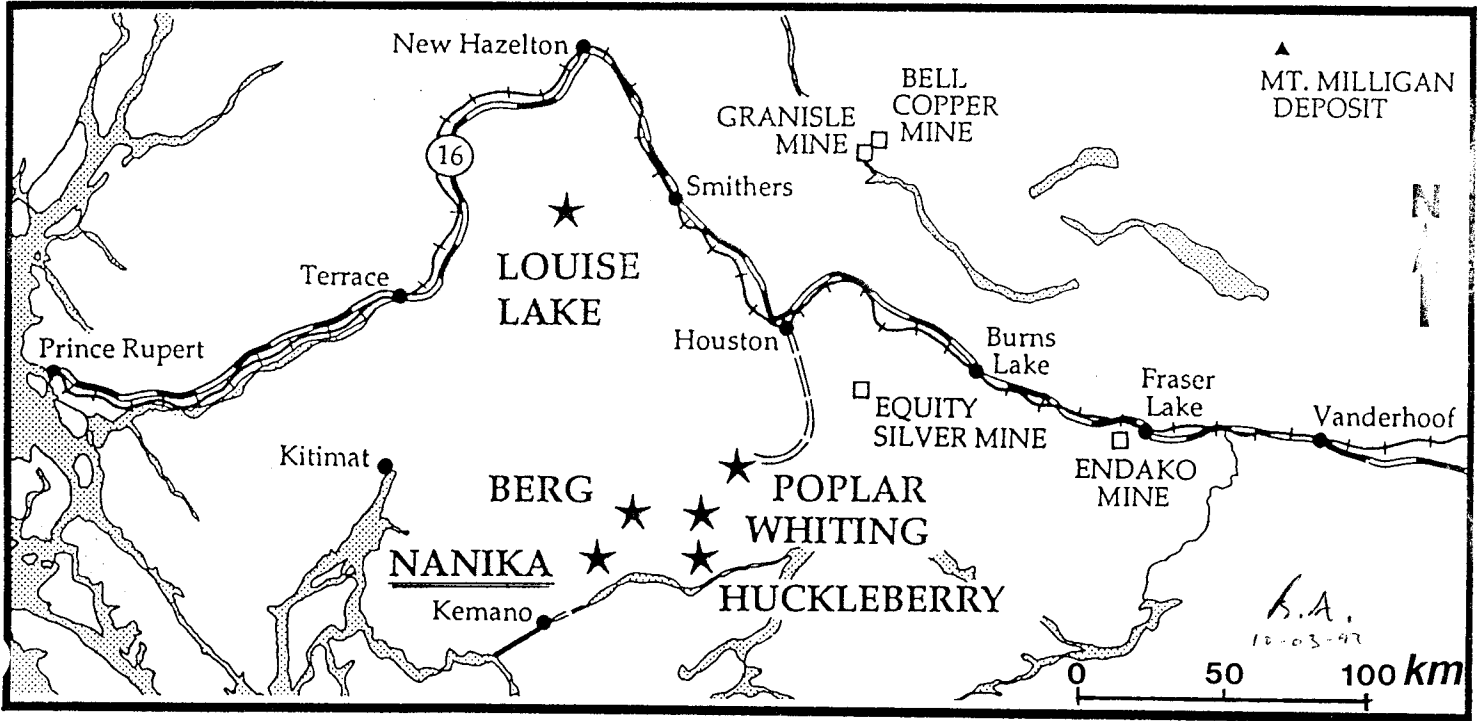
The program was designed to test the central part of the body of known mineralization which would have doubled the indicated reserve. The results confirmed continuity of mineralization in those two drill holes closest to the originally designed drill sites. The remaining three drill holes were too far from target to contribute to the ore reserve assessment. Further work is recommended to complete this evaluation with additional drilling.

Work in 1989 by Placer Dome Inc had indicated the possibility of gold values up slope from the known mineralization. Evaluation of this potential by detailed mapping and prospecting is recommended.

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FIGURE I



LOCATION MAP  
NEW NANIK CLAIM

## INTRODUCTION

In August 1991, Placer Dome Inc and New Canamin Resources Ltd entered into an agreement to explore and develop the New Nanik claim which had been acquired by staking by Placer Dome in January 1988. The claim covered the Nanika porphyry copper prospect that had been explored in the sixties and seventies. New Canamin undertook a short program of diamond drilling in order to test the continuity of the mineralization in the central portion of a body of copper mineralization identified by this earlier exploration.

New Canamin filed a notice of work and reclamation program for the proposed drill program on 28th August 1991 and obtained a reclamation permit MX-2-123 on 16th September 1991 following the posting of a bond in the amount of \$5,000.00. Drill sites were selected on existing drill roads and drill pads in order to obtain rapid permitting of the late season work.

New Canamin personnel and contractors were on the property during the period 26th September to 5th October, 1991. The work undertaken included some additional clearing of drill pads for safe helicopter access, drilling and logging the drill core, and partial clean-up of debris at the old exploration camp site. Drill-core was stored at the old exploration campsite, close to the shore of Nanika Lake, as a solid stacked cube of filled core boxes. Apart from plywood covering the top of the core box stack, no useful construction materials were incorporated in the core storage.

## LOCATION, ACCESS AND ENVIRONMENT

The New Nanik claim is located on the west shore of Nanika Lake approximately 96 kilometers southwest of Houston, BC. Road access has reached to within about 30 kilometers of the property to the north east near Stepp Lake owing to the extension of clear cut logging into the area. The head of flumes for the Kemano hydroelectric project on Tahtsa Lake are approximately 15 kilometers due south of the claims. Road access from the claims to tide-water is probably most feasible by connecting the property to the associated road system of the Kemano project.

Currently access is restricted to float plane or helicopter based in Smithers, Houston or Terrace. The 1991 work was serviced by turbo-Otter, Cessna 185 from Smithers and a Bell JetRanger Helicopter from Houston.

Old roads on the property extend from the beach near the north end of the claim for about 2 kilometers, southwest, along the general strike of the main axis of the mineralized body. These roads could be made serviceable for four wheel drive access with the clearing of windfalls and the use of a small bulldozer to repair sections damaged by erosion.

The New Nanik claim covers the east slope of a steep ridge running sub-parallel to the west shore of Nanika Lake. Elevations range from 935 meters a.s.l. at lake level to 1400 meters a.s.l. on the upslope side of the claim. Slopes are steep on the property generally ranging from 20 to 35 degrees. Despite the steep slopes, glacial soil cover is often sufficient to permit the cutting of roads and trails without working in bedrock.

The climate is typical of the Coast Range with annual precipitation reported to be about 250 centimeters. Winter snowfall reportedly can total 15 meters in the area. No major streams or rivers cross the claims but sufficient water for drilling is usually available from the creeks draining the claims. During the 1991 work, the lake was used for water supply for the drill since a brief drought had caused these drainages to dry up.

The vegetation is also typical of the Coast Range with good stands of hemlock, cedar and balsam. Slide areas are common along each draw with thick alder growth marking the recurring avalanche pattern.

Nanika Lake has exceptionally clear waters despite being fed by glacial streams. A vigorous trout population was noted, clearly visible in schools passing the beach at the old exploration campsite. The surrounding mountains have a population of wildlife typical of the northern Coast Range and outfitting, guiding and hunting are carried out in the area.

#### THE PROPERTY

The property consists of one modified grid mineral claim comprised of 18 units that was owned 100% by Placer Dome Inc of Vancouver, BC. Upon the completion of the 1991 work program and the expenditure of \$75,000 in exploration of the property, the ownership of the property shall be divided equally between Placer Dome Inc and New Canamin Resources Ltd.

Claim Name	Record No.	Record Date	Expiry Date
New Nanik	9238	19/Jan/88	19/Jan/92

The acceptance of this assessment report and the filing of work in accordance with the Mineral Tenure Act shall place the claims in good standing for the maximum period allowed until 12th January 2002.

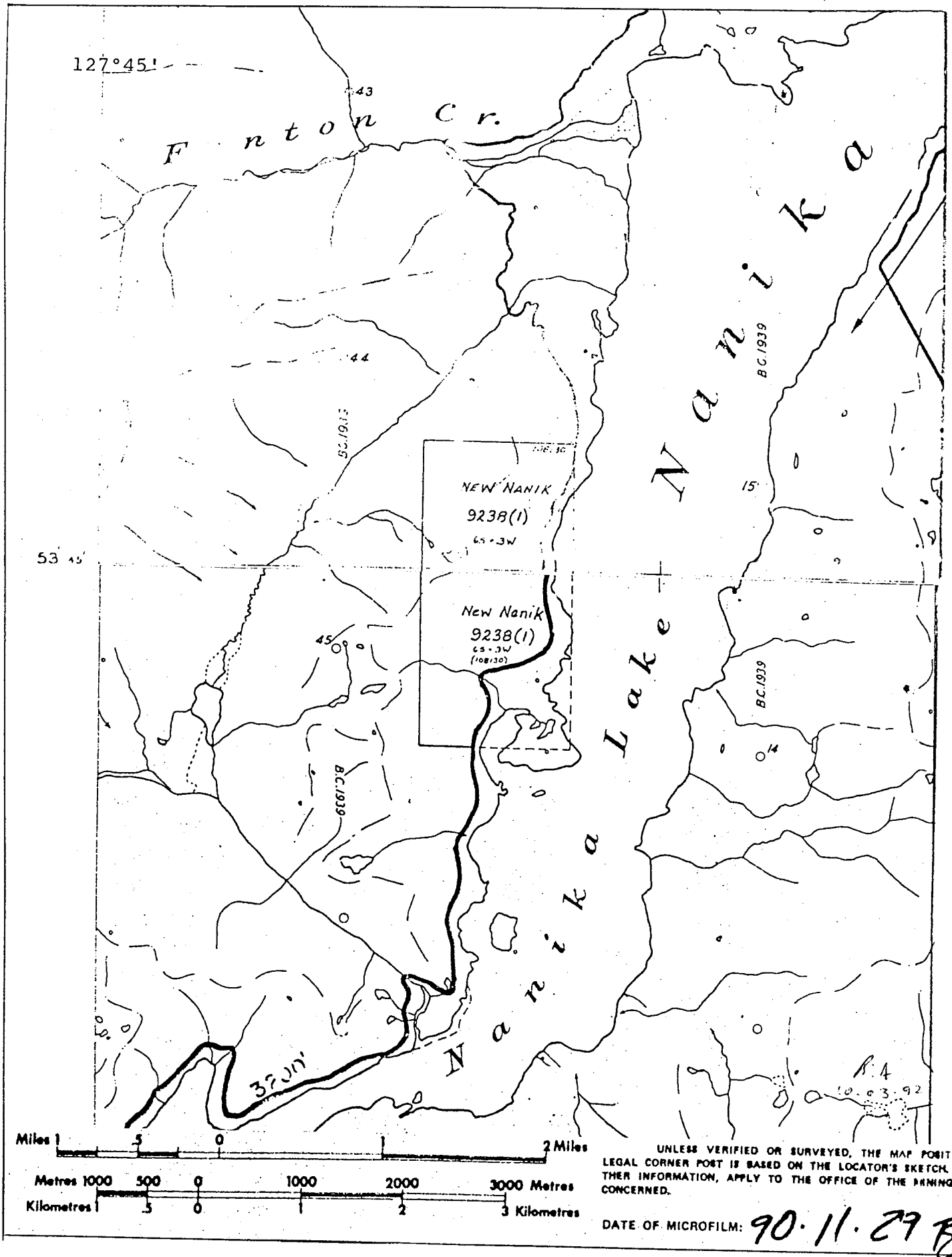


Figure II  
Claim Map

## HISTORY

The property was reportedly known to prospectors and trappers since the 1920's. H.H. Shear describes the original showing as a 600 foot exposure of low grade copper mineralization in a gully cutting across the mineralized zone. The property was staked in 1966 by Silver Cup Mines Ltd and optioned to Quintana Minerals Corporation in 1967.

Quintana carried out geochemical and geophysical surveys on the property and completed 3150 meters of drilling, upon which the inferred reserve figure of 20,000,000 tons grading 0.437% copper was based. Minor molybdenum, silver and gold values were noted, of which, the gold may have more economic significance in today's metal markets.

Scurry Rainbow Oil Limited carried out an induced polarization survey in 1972 and then in 1973 Granges Exploration Ltd took on the property. Granges carried out further geochemical surveys and drilled a total of 1613 meters. This work has not been reviewed by this writer and is believed to have been carried out in the area of what would become a southerly extension of the mineralized zone.

## GEOLOGY - REGIONAL

The Nanika Lake copper prospect is located close to the boundary of the Coast Belt rocks and the Intermontane Belt rocks. The Coast Belt is comprised of Jurassic to Tertiary granitic rocks with metamorphosed septa of the youngest Proterozoic to Mesozoic strata. The Intermontane Belt is comprised of Devonian to Recent sedimentary and igneous rocks. These include pre-Middle Jurassic island arc environments with associated oceanic crust and post-Middle Jurassic rocks on the margin of the North American Craton.

The boundary area of the two belts includes the well mineralized systems of the Berg, Whiting Creek and Huckleberry properties that lie to the east of the claims, between Nanika Lake and Tahtsa lake. This mineralization appears to be associated with reactivation of volcanism and associated hydrothermal systems during the Tertiary.

## GEOLOGY - PROPERTY

H.H. Shear describes the Nanika Lake mineral zone as lying along a large shattered and faulted zone that trends north 30 degrees east with a dip of 20 to 40 degrees to the west. This zone was shown in the Shear report to be sub-parallel to the contact between a quartz monzonite intrusive and the Hazelton Group rocks. The principal host rock was described from earlier thin section work as being a dacite porphyry which would correspond



with the intensely altered crowded porphyry logged in the drill core of the 1991 program. A post ore magnetite diorite was reported intruded along the footwall of the southern portion of the mineralization. Dykes of a fine grained variant of this were encountered in two drill holes of the recent work.

The principal structural feature at a property scale is the fracture zone that hosts mineralization. Heard reported two east-west cross faults cut the mineralization.

The mineralization occurs as veinlets and joint coatings, clots and disseminations with the highest copper grades being located in the most intensely fractured and altered rock. The sulphide minerals include pyrrhotite, pyrite, chalcopyrite and molybdenite. Pyrrhotite and pyrite are the most abundant sulphide species with either one being the most abundant sulphide in different parts of the mineralization. Pyrrhotite is certainly sufficiently abundant and of sufficient magnetic coercivity to give a magnetic signature in a suitable geophysical survey.

The chalcopyrite occurs as patches within veinlets, disseminated and as patches in clots of pyrite or pyrrhotite. Its occurrence is quite distinct from that of the molybdenite which is found in dark wispy quartz-molybdenite veinlets with only minor amounts of other sulphides.

The alteration noted included secondary biotite, silicification and typical propylitic alteration with chlorite and epidote developing along fractures and as a pervasive flooding in the sections with better grade mineralization.

Magnetite was noted in association with the molybdenite and disseminated in the crowded porphyry. A few dykes of fine grained equigranular magnetite diorite were intersected in this drilling; these carry magnetite grades greater than 5% with high coercivity.

The distribution of alteration styles is not well enough understood at present to allow proper modelling of the mineralization as a true porphyry type. The tabular form of the deposit suggests that mineralization is related to the transport of fluids along a zone of higher permeability in the fracture zone. The source of these fluids may be related to a hydrothermal system down dip to the west.

It is possible that prospecting and mapping of the valley immediately to the west of the Nanika showings would locate more mineralization if the plunge of the structure does not carry the system too deep to allow its expression at surface.

## DRILL PROGRAM

A program of 457.8 meters of drilling was undertaken using a JT 600-5 drill from J.T.Thomas Diamond Drilling Ltd, Smithers, BC. Pads for the drill sites were sited on existing drill roads and cleared with chain saws by a contract crew also from Smithers. The Troitsa Lake Lodge was used as a base during the drilling program and a temporary facility for core logging and splitting constructed at the old Nanika camp site. This facility comprised a tent frame with stove and could have served as a refuge in the case that bad weather prevented a crew change.

Actual weather conditions were very good during the program and the drilling was completed without any serious delays in the period 28th September to 2nd October 1991. The drilling proceeded as:

Hole No.	Date	Overburden from - to meters	Coring from - to meters	Total Meterage
91-01	28/09	0-19.9		19.9
			19.9-107	87.2
91-02	29/09	0-16.8		16.8
			16.8-107	90.2
91-03	30/09	0- 6.1		6.1
			6.1- 31.5	25.4
91-04	1/10	0- 6.1		6.1
			6.1-120.5	114.4
91-05	2/10	0- 6.1		6.1
			6.1- 91.7	85.6
				<hr/> 457.8

The drill core was logged visually prior to splitting. The core was split in its entirety and samples were taken of each three meter interval except at the end of each hole where the intersection remaining may not have matched the three meter interval. Barren dyke material was not split or sampled except where it occurred as a small part of the three meter sample interval and would be difficult to sort in any mining operation.

The sample intervals are indicated on the drill logs in Appendix I. The assay results are reported in Appendix II.

Alternate samples were crushed, pulverized and split into pulps at the Min-En Laboratories facility in Smithers. These pulps were shipped to Vancouver to be assayed for copper, gold silver and molybdenum by Min-En Laboratories. A set of untested samples, that bracketed samples with copper values that were of potential economic interest, were pulverized by Min-En Laboratories in Smithers and assayed by the Placer Dome Research laboratories. The assay results were comparable to those from the adjacent sample intervals that had been assayed by Min-En Laboratories. The analytical procedures used by each laboratory are listed in front of the respective assay reports.

CLAIM BOUNDARY

# NEW NANIK CLAIM

LCP

CAMP

BEACH

## NANIKA LAKE

Old Tote Road

DDH-13

DDH-10

DDH-11

L 5000 N

L 4800 N

L 9800 E

B/L 10000 E

-90° / 106.31 m  
 -60° / 106.71 m  
 -90° / 31.4 m  
 -60° / 120.12 m

91-1  
 91-2  
 91-3  
 91-4

DDH-14  
 91-5 -50° / 91.46 m



### LEGEND

Dip Hole Length  
 -60° / 31.4 m

91-3 1991 Drill Hole

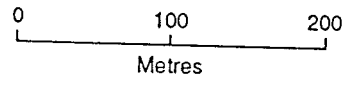


FIGURE 3

NEW CANAMIN RESOURCES LTD.

## 1991 DRILL HOLE LOCATION MAP

### NEW NANIK CLAIM

MARCH 1992

AINSWORTH-JENKINS HOLDINGS INC.

*File*  
 10.03.92

## STATEMENT OF COSTS

The following costs were incurred in carrying out the program and completing this report:

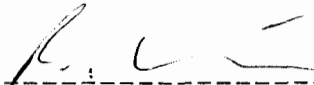
Labour	
Core Splitter 27th Sept-6th Oct 10 days/\$200/day	\$2000.00
Project Geologist 1st Oct-10th Oct 10 days/\$400/day	\$4000.00
Camp and Field Supplies	\$ 158.13
Communications	\$ 128.69
Contractors	
Tim Carlson Blasting Co.	
Drillsite preparation	\$4467.25
J.T.Thomas Diamond Drilling	
Diamond drilling	\$50344.19
(Contract Rate \$32.70/foot all inclusive of mobilization demobilization and accommodation - invoice includes the amount of \$1,392.29 for consumables and field supplies used on the program.)	
Transportation	
Fixed wing	\$4009.22
Helicopter	\$4500.00
Ground transportation	\$ 262.92
Sample preparation and Assaying	
(150 samples prepared and shipped; 81 samples assayed for copper, gold, silver, molybdenum @ approx. \$25 each)	\$2653.25
Report Preparation	\$2750.00
TOTAL	\$75273.65

## CONCLUSIONS AND RECOMMENDATIONS

The drill program was restricted by drill site location and as a result it is not possible to confirm or reject the possible continuity of mineralization. If the mineralization is indeed continuous, the grade reported in the upper part of DDH 91 - 5 would suggest that the grade also continues in the same range.

It is recommended that a compilation of all previous drill data and that from this program be completed in order to assess the requirements for further drilling of the mineralization. The gold

values indicated in the soil sampling by PlacerDome in 1988 were not tested by the drilling. Further prospecting and mapping of the property and adjacent lands is warranted.

Signed:   
-----  
B.Ainsworth, PEng BC.

## Bibliography

Carter, N.C. (1981): Porphyry Copper and Molybdenum Deposits, West Central British Columbia, BC Ministry of Energy, Mines and Petroleum Resources, Bulletin 64.

Duffell, S. (1959): Whitesail Lake Map-Area, Geological Survey of Canada, Memoir 299.

Shear, H.H. (1971): Nanika Lake Property, Geological Report.

Shevchenko, G. (1989): Assessment Report, A Soil Orientation and Lithogeochemical Survey on the New Nanik Mineral Claim, Omineca Mining Division, British Columbia.

Woodsworth, G.J. (1980): Geology of Whitesail Lake Map-Area, Geological Survey of Canada, Open File Map 708.

STATEMENT OF QUALIFICATIONS

CERTIFICATE

I, Benjamin Ainsworth, residing in North Vancouver British Columbia, certify that I am registered as a Professional Engineer (Geological) in the Province of British Columbia.


I earned an Honours Degree in Geology at Oxford University in 1962 and qualified as M.A. (Oxon) in 1963.

I have practiced as a geologist continuously since 1962, working in Europe, Africa, North America, Australia and South America.

During my professional practice I worked for Placer Development Ltd (now Placer Dome Inc) for 24 years, obtaining an advanced level of post graduate training in mineral exploration and development through that company.

Since 1986, I have acted as a mining consultant, with commissions that have included property evaluations, mineral market studies and exploration programs. Clients in this activity included major mining companies, federal and provincial government agencies and junior mining companies.

Signed at Vancouver this 28th day of February 1992,

  
Ben Ainsworth P.Eng. (BC)

APPENDIX I





AINSWORTH-JENKINS HOLDINGS INC.

MINERAL RESOURCE CONSULTANTS

HOLE NO. 91-1  
SHEET NO. 2 OF 4

LOCATION NEW NANIK BEARING \_\_\_\_\_ LATITUDE \_\_\_\_\_ CORE SIZE \_\_\_\_\_  
DATE COLLARED \_\_\_\_\_ LENGTH \_\_\_\_\_ DEPARTURE \_\_\_\_\_ SCALE OF LOG \_\_\_\_\_ LOGGED BY B.A.  
DATE COMPLETED \_\_\_\_\_ DIP \_\_\_\_\_ ELEVATION \_\_\_\_\_ REMARKS \_\_\_\_\_

QTZ	PLAG	X-SPAR	MAFIC	ACCESSORIES	TEXTURE	HARDNESS	ROCK NAME APPEARANCE	ROCK TYPE ALTERATION	METRES	STRUCTURE	ANGLE TO CORE AXIS RQD	WIDTH OF VEIN	MINERALI- ZATION/ FAULTING	ENVELOPES (TYPE?)	REMARKS	FOOTAGE BLOCKS	SPECIFIC GRAVITY	RECOVERY		ASSAY RESULTS			
																		WEIGHT/GRAMS		SAMPLE NO.		ASSAY RESU	
																		CORE	SLUDGE	CORE	SLUDGE		
						5-6	EQUI. GRANULAR PINK QZ MONZONIC		42		20	NONE	DISS PYR/MAG RARE CPY	NONE		39.63	9.0	100	907				
						5-6	Pink Q.M.		45		10					41.72	100		908				
						5	QZ BIOTITE RK.		48	70° 80°	2.5		PYR ON JOINTS + BIOTITE + MINOR CPY IN BLOTCHES + CLOTS OF BIOTITE IN LITTLE SHAPES	PATCHES OF CROWDED PORPH BLACK/BROWN BIOTITE	missed?	100		909					
						5			51	90° 80° 45°	10		> 5% DISS PYR V. FINE PYR ON FRACTURES		48.9	100		910					
						5	MAFIC QZ DIORITE		54	30° 25°	5		PYR CONTINUED UP ± 7% WITH SOME PYRAN + MAGNETITE	51.2 CONTACT	51.8	95		911					
						5	PROGRESSIVE CHANGE TO CROWDED PORPHYRY AND Biotite Dyke		57		7.5						95		912				
						5	CROWDED PORPHYRY		60	43° 50°	10	3mm	MILKY WHITE QZ V. B BIOTITE DIFFUSE RETRO GRADE?		57.9	100		913					
						5			63		15		BROWNISH CAST TO BIOTITE	ROCK APPEARS TO BE MYLONITIZED IN THIS PART OF THE CROWDED PORPHYRY	60.9	100		914					

# AINSWORTH-JENKINS HOLDINGS INC.

MINERAL RESOURCE CONSULTANTS

HOLE NO. 91-1  
SHEET NO. 3 OF 4

LOCATION NEW NAWIK BEARING \_\_\_\_\_  
 DATE COLLARED \_\_\_\_\_ LENGTH \_\_\_\_\_ LATITUDE \_\_\_\_\_ CORE SIZE \_\_\_\_\_  
 DATE COMPLETED \_\_\_\_\_ DIP \_\_\_\_\_ DEPARTURE \_\_\_\_\_ SCALE OF LOG \_\_\_\_\_ LOGGED BY \_\_\_\_\_  
 ELEVATION \_\_\_\_\_ REMARKS \_\_\_\_\_

QTZ	PLAG	K-SPAR	MAFIC	ACCESSORIES	TEXTURE	HARDNESS	ROCK NAME APPEARANCE	ROCK TYPE ALTERATION	METRES	STRUCTURE	ANGLE TO CORE AXIS RQD	WIDTH OF VEIN	MINERAL- ZATION/ FAULTING	ENVELOPES (TYPE?)	REMARKS	FOOTAGE BLOCKS	SPECIFIC GRAVITY	RECOVERY		ASSAY RESULTS			
																		WEIGHT/GRAMS		SAMPLE NO.		ASSAY RESULTS	
																		CORE	SLUDGE	CORE	SLUDGE		
						6	Crowded Porphyry		66	90°	15			NONE		64.02	90	100	915				
						6			69	10° 20° 45°	10	1cm 4cm		NONE		67	100		916				
						5-6			72	55°	7.5	9mm		NONE		70.1	100		917				
						5-6			75	45° 90°	7.5					73.2	98		918				
						5-6	76.4 FINE GR. ANDESITE 77.3 CROWDED PORPHYRY		78	80°	7.5	1.00cm		NONE		76.2	100		919				
						5	PROGRESSIVE CONTACT		81	45°	7.5	3cm	Q2 MINOR CALCITE	OPEN SPACE		79.3	98		920				
						5	LESS FSP. PORPHYRY MORE LIKE FRAGS. OF ALTERED ANDESITES		84		7.5					82.3	100		921				
						5			87		5					85.3	100		922				

AINSWORTH-JENKINS HOLDINGS INC.

MINERAL RESOURCE CONSULTANTS

HOLE NO. 91-1  
SHEET NO. 4 OF 4

LOCATION \_\_\_\_\_ BEARING \_\_\_\_\_ LATITUDE \_\_\_\_\_ CORE SIZE \_\_\_\_\_  
 DATE COLLARED \_\_\_\_\_ LENGTH \_\_\_\_\_ DEPARTURE \_\_\_\_\_ SCALE OF LOG \_\_\_\_\_  
 LOGGED BY S.A.  
 DATE \_\_\_\_\_  
 DATE COMPLETED \_\_\_\_\_ DIP \_\_\_\_\_ ELEVATION \_\_\_\_\_ REMARKS \_\_\_\_\_

GTZ	PLAG	K-SPAR	MAFIC	ACCESSORIES	TEXTURE	HARDNESS	ROCK NAME APPEARANCE	ROCK TYPE ALTERATION	METRES	STRUCTURE	ANGLE TO CORE AXIS RAD	WIDTH OF VEIN	MINERAL- ZATION/ FAULTING	ENVELOPES (TYPE?)	REMARKS	FOOTAGE BLOCKS	SPECIFIC GRAVITY	RECOVERY		ASSAY RESULTS			
																		WEIGHT/GRAMS		SAMPLE NO.		ASSAY RESU	
																		CORE	SLUDGE	CORE	SLUDGE		
						6	ANDG. TIC FRAGMENTAL BROWNISH HUE	90	45'		5	2cm	93, 1% > 2%	NONE		88.4		7		57923			
						6		93			5					91.46		95		923			
						5		93 94.5	70' 30'		5	2-3mm	ZONE OF PINK BROWN COLORATION WITH VEINLETS > 10% PYR in Q2 AND LEOPARD SPOT DARK GREEN AMPH.?	NONE		94.5		90		925			
						5-6		96		45' 45'		0.1mm	MINOR CALCITE VEINLETS	NONE		97.6		95		926			
						6		99 102			5	25cm	Q2, FSPR VEIN WITH MINOR CPY + PYR.	NONE		100.6		98		927			
						6		105	70'		6	0.1-1mm	HEALD SHARF ZONE 102.7 - 103.5m IRREGULAR SPOCKLIK CALCITE VEINLETS	NONE		103.7		95		928			
						6							END OF HOLE 106.7m			106.7		90		929			

# AINSWORTH-JENKINS HOLDINGS INC.

MINERAL RESOURCE CONSULTANTS

HOLE NO. 91-2  
SHEET NO. 1 OF 4

LOCATION: NEW NANIK

DATE COLLARED 29 SEPT 1991

DATE COMPLETED 30 SEPT 1991

BEARING VERTICAL

LENGTH 350' 106.7 m

DIP -90°

LATITUDE 4799 N

DEPARTURE 9943 E

ELEVATION 1991 m

CORE SIZE BQ

SCALE OF LOG ± 1:60

REMARKS

LOGGED BY BA

DATE 2 OCT 91

PLAG	K-SPAR	MAFIC	ACCESSORIES	TEXTURE	HARDNESS	ROCK NAME APPEARANCE	ROCK TYPE ALTERATION	METRES	STRUCTURE	ANGLE TO CORE AXIS	RAD	WIDTH OF VEIN	MINERAL- IZATION/ FAULTING	ENVELOPES (TYPE?)	REMARKS	FOOTAGE BLOCKS	SPECIFIC GRAVITY	RECOVERY		ASSAY RESULTS		
																		WEIGHT/GRAMS	SAMPLE NO.	ASSAY RESULT		
																		CORE	SLUDGE	CORE	SLUDGE	
						OVERBURDEN		15										85		57		
					5-6	ANDRESITIC FRAGMENTAL 15.24 16.20 FINE GRAINED MAGNESI ANDESITE		18	90° 90° 40°	6	1-2mm	SHATTER ZONE WITH QZ-FSP-GYPSUM VEINLETS MINOR PYR + CPY ± 4% SULFIDES	NONE	CORE SWELLING + BREAKING IN THE BOX	15.24		95		930			
					5-6	18.50 ZONE OF PERVASIVE FSPR FLOODING AND FINE SECONDARY BIOTITE		21	50° 50°	10	1-2mm	PYR + MINOR CPY + MINOR MAG		FOLIATED	18.29		100		931			
					5-6	21.34 FINE GRAINED ANDESITE		24	50° 50°	10	1-2mm	EPIDOTE VEINLETS				21.34		100		932		
					5-6			27	30° 50°	10						24.34		100		933		
					6	28.50 BROWNISH VARIANT		30		10	1-2mm	SOME GYPSUM + CALCITE  SECONDARY BIOTITE	NONE			27.46		100		934		
					5-6	32.60 PERVASIVE FSP FLOOD WITH SULFIDES		33	50° 80°	8	3cm	QZ FSPR + KSPR + PYR + CHALCOPYRITE + EPIDOTE	NONE	PHOTO		30.49		95		935		
					5-6			36		9		PYR PYRRH MAG CPY 5% 1-2% ? 20252				33.54		95		936		

AINSWORTH-JENKINS HOLDINGS INC.

MINERAL RESOURCE CONSULTANTS

HOLE NO. 91-2  
SHEET NO. 2 OF 4

CONTIN \_\_\_\_\_ BEARING \_\_\_\_\_ LATITUDE \_\_\_\_\_ CORE SIZE \_\_\_\_\_  
DATE COLLARED \_\_\_\_\_ LENGTH \_\_\_\_\_ DEPARTURE \_\_\_\_\_ SCALE OF LOG \_\_\_\_\_ LOGGED BY B.A.  
DATE COMPLETED \_\_\_\_\_ DIP \_\_\_\_\_ ELEVATION \_\_\_\_\_ REMARKS \_\_\_\_\_ DATE \_\_\_\_\_

PLAG	K-SPAR	MAFIC	ACCESSORIES	TEXTURE	HARDNESS	ROCK NAME APPEARANCE	ROCK TYPE ALTERATION	METRES	STRUCTURE	ANGLE TO CORE AXIS Rad	WIDTH OF VEIN	MINERAL- ZATION/ FAULTING	ENVELOPES (TYPE?)	REMARKS	FOOTAGE BLOCKS	SPECIFIC GRAVITY	RECOVERY		ASSAY RESULTS			
																	WEIGHT/GRAMS		SAMPLE NO.		ASSAY RESU.	
																	CORE	SLUDGE	CORE	SLUDGE		
					6	PERVASIVE FLOODING DIMINISHED MORE FRAGMENTAL APPEARANCE WITH NO DEFINED CONTACT	39			10	0.5-0.1mm	PYR 1-2% PYRRH 1-2% CPY, MAG?	NONE	JOINTS COATED WITH PYR + PYRRH	36.59		100		57	937		
					6	GREEN FRAGMENTAL	42			10					39.63		100			938		
					6		45	75 45		12.5	2cm 2cm	GYPSUM/CALCITE/QTZ OPEN SPACE 2% PYR. BIOTITE. FSP	NONE NONE		42.07		100			939		
					6		48	75		12	3cm	2% PYR, MAG, PYRRH BIOTITE MINOR CPY	NONE		45.73		100			940		
					6		51			12					48.78		100			941		
					5-6	BROWNISH VARIANT WITH PATCHES OF FINE GRAINED MAGNETIC KAOLINIZED ZONE 52.0 52.5 GREEN GRAY FRAG- MENTAL ANDPESITE	54	45 45 40 40		8	2cm 2cm	QZ NONZONITE VEIN PYR. MAG. PYRRH FINE CLOUDY BLACK MINERAL IN QZ VEINLETS KSPR VEIN	NONE	BLACK MINERAL FINE MoS <sub>2</sub> ? PYRRH HAS SALMON TUE	51.83		95			942		
					5-6	GRADATIONAL INTO BROWN FRAGMENTAL	57	45 55		25	0.1-2mm	<2% PYR <2% PYRRH SOME IRREGULAR CLOUDY BLACK QZ VEINLETS			54.26		100			943		
					5		60			12		PYR EPIDOTE			57.31		100			944		

AINSWORTH-JENKINS HOLDINGS INC.

MINERAL RESOURCE CONSULTANTS

HOLE NO. 91-2  
SHEET NO. 3 OF 4

LOCATION \_\_\_\_\_ BEARING \_\_\_\_\_ LATITUDE \_\_\_\_\_ CORE SIZE \_\_\_\_\_  
 COLLARED \_\_\_\_\_ LENGTH \_\_\_\_\_ DEPARTURE \_\_\_\_\_ SCALE OF LOG \_\_\_\_\_  
 DATE COMPLETED \_\_\_\_\_ DIP \_\_\_\_\_ ELEVATION \_\_\_\_\_ REMARKS \_\_\_\_\_  
 LOGGED BY BA. DATE \_\_\_\_\_

LITHO	PLAG	K-SPAR	MAFIC	ACCESSORIES	TEXTURE	HARDNESS	ROCK NAME APPEARANCE	ROCK TYPE ALTERATION	METRES	STRUCTURE	ANGLE TO CORE AXIS	RQD	WIDTH OF VEIN	MINERALI- ZATION/ FAULTING	ENVELOPES (TYPE?)	REMARKS	FOOTAGE BLOCKS	SPECIFIC GRAVITY	RECOVERY		ASSAY RESULTS				
																			WEIGHT/GRAMS		SAMPLE NO.		ASSAY RES.		
																			CORE	SLUDGE	CORE	SLUDGE			
							61.00					6		Pyr + Pyrox < 4%	NONE				100		57				
						5-6	BROKEN ZONE LIMONITE ON FRACTURES		63												945				
						5-6	63.41 GRAY GREEN FRAGMENTAL ANDALUSITE		66	40 40		5	1cm	QZ-FSPR < 0.5% PYR	NINE				100			946			
						5-6			69			7	1-2cm	CALCITE + Gypsum					100			947			
						5	68.2 LESS		72			6								95			948		
						4-5	73.9 SHATTERED ZONE MOST INTENSE		75			12	0.1-1mm	SOME FINL CALCITE/ Gypsum VEINLETS + QZ/FSR					95			949			
						5	76.21 SHATTERED ZONE LESS INTENSE		78			13								80			950		
						5-6	78.30 EQUI GRANULAR GRANITIC DYKE		81			12		LEISTONITE ??? CONTACT. 1-2cm grain size					100			951			
						5-6	81.2 GRAY GREEN ANDALUSITE FRAGMENTAL		84			8		QZ CARB FILLED BRECCIA						85			952		

AINSWORTH-JENKINS HOLDINGS INC.  
MINERAL RESOURCE CONSULTANTS

HOLE NO. 91-2  
SHEET NO. 4 OF 4

LOCATION \_\_\_\_\_ BEARING \_\_\_\_\_ LATITUDE \_\_\_\_\_ CORE SIZE \_\_\_\_\_ LOGGED BY BA  
 DATE COLLARED \_\_\_\_\_ LENGTH \_\_\_\_\_ DEPARTURE \_\_\_\_\_ SCALE OF LOG \_\_\_\_\_ DATE \_\_\_\_\_  
 DATE COMPLETED \_\_\_\_\_ DIP \_\_\_\_\_ ELEVATION \_\_\_\_\_ REMARKS \_\_\_\_\_

PLAG	K-SPAR	MAFIC	ACCESSORIES	TEXTURE	HARDNESS	ROCK NAME APPEARANCE	ROCK TYPE ALTERATION	METRES	STRUCTURE	ANGLE TO CORE AXIS	RQD	WIDTH OF VEIN	MINERAL- IZATION/ FAULTING	ENVELOPES (TYPE?)	REMARKS	FOOTAGE BLOCKS	SPECIFIC GRAVITY	RECOVERY		ASSAY RESULTS			
																		WEIGHT/GRAMS		SAMPLE NO.		ASSAY RESU	
																		CORE	SLUDGE	CORE	SLUDGE		
					5-6	GRAY GREEN FRAGMENTAL 85.3 BROWN FRAGMENTAL		87			6	1-2mm	GREENISH CHLORITE WITH IRREG. VENEERS OF QZ CARBONATE	NONE		85.37		97	100	57			
					5		90			10						86.89		95		953			
					6	90-8 FINE GRAINED GREEN ANDRSITE - MAGNETIC	93				9		91.0-91.7 STRONG GREEN CHLORITIZATION			88.4		95		954			
					5-6	93.4 GRAY GREEN FRAGMENTAL	96				10					91.46		95		955			
					5-6		99		IRREG	7	3-4cm		QZ PYR CPY			94.51		90		956			
					5	BROWNISH FRAGMENTAL GRAY GREEN FRAGMENTAL	102			6	20cm		QZ FSP BIOTITE MYLONITE TEXTURE QZ FLOODING			97.56		85		957			
					5		105		30 30	6			OCCASIONAL CLOTS OF QZ/EPIDOTE + PYR CPY 3-5mm			100.6		98		958			
					5	EOH			45	8			QZ EPIDOTE PYR/CPY END OF HOLE 106.7m	NONE		103.66		98		959			
					5											106.7		100		960			



# AINSWORTH-JENKINS HOLDINGS INC.

MINERAL RESOURCE CONSULTANTS

HOLE NO. 91-3  
SHEET NO. 1 OF 2

LOCATION NEW NANIK CLAIM  
RECORLLED 30 SEPT 1991  
DATE COMPLETED 1 OCT 1991

BEARING VERTICAL  
LENGTH 105' 31.4 m  
DIP -90°

LATITUDE 4885 N  
DEPARTURE 9933 E  
ELEVATION 1994 m

CORE SIZE AG  
SCALE OF LOG 1:60  
REMARKS STUCK IN BAD GROUND

LOGGED BY SA  
DATE 3 OCT 1991

476	FLAG	K-SPAR	MAFIC	ACCESSORIES	TEXTURE	HARDNESS	ROCK NAME APPEARANCE	ROCK TYPE ALTERATION	METRES	STRUCTURE	ANGLE TO CORE AXIS	WIDTH OF VEIN	MINERAL- IZATION/ FAULTING	ENVELOPES (TYPE?)	REMARKS	FOOTAGE BLOCKS	SPECIFIC GRAVITY	RECOVERY		ASSAY RESULTS			
																		WEIGHT/GRAMS		SAMPLE NO.		ASSAY REUL	
																		CORE	SLUDGE	CORE	SLUDGE		
							OVERBURDEN		6											57			
						5	V. BROKEN CROWDED POLYPHASE		9							7.62		25			↑ 826		
						5	Q2 FSP + FINE BIOTITE IN LATHES											50			↓		
						5			12		UNKNOWN		Q2 VEIN WITH ±10CM RUSTY LEACHED ALTERATION ON EACH SIDE			12.20							
						5			15								30					827	
						5										15-24						828	
						5			18							18-29						829	
						5			21							21-34						830	
						5			24							23-78							
						5			27				RUSTY FRAGMENTS WITH MINOR PYR			25-91		30				831	

VERY BAD GROUND



# AINSWORTH-JENKINS HOLDINGS INC.

MINERAL RESOURCE CONSULTANTS

HOLE NO. 91-4  
SHEET NO. 1 OF 5

LOCATION	NEW NANIK CLAIM	BEARING	225°	LATITUDE	4885 N	CORE SIZE	80	LOGGED BY	BA
RECORDED	1 SEPT 1991	LENGTH	394' 120.12 m	DEPARTURE	9933E	SCALE OF LOG	± 1:60	DATE	3 OCT 1991
COMPLETED	2 SEPT 1991	DIP	-60°	ELEVATION	1994 m	REMARKS	SAME SET UP AS 91-3		

QTY	PLAG	K-SPAR	MAFIC	ACCESSORIES	TEXTURE	HARDNESS	ROCK NAME APPEARANCE	ROCK TYPE ALTERATION	METRES	STRUCTURE	ANGLE TO CORE AXIS	WIDTH OF VEIN	MINERALIZATION/FAULTING	ENVELOPES (TYPE?)	REMARKS	FOOTAGE BLOCKS	SPECIFIC GRAVITY	RECOVERY		ASSAY RESULTS			
																		WEIGHT/GRAMS		SAMPLE NO.		ASSAY RESULT	
																		CORE	SLUDGE	CORE	SLUDGE		
							OVERBURDEN		6														
						5	CROWDED PORPHYRY BIOTITE IN PSEUDOMORPHS V. BROKEN		9	45°	2-3cm	QZ FSPR VEINS WITH DIFFUSE CONTACT							25		961		
						5	RUSTY CLAYEY FRAGMENT		12										25		962		
						5	CROWDED PORPHYRY WITH SOME CLUSTERS of BIOTITE		15				MAGNETIC AROUND BIOTITE CLUSTERS			12.20			25		963		
						5			18							15.24			50		964		
						5			21	45°						18.39			50		965		
						5			24							21.34			50		966		
						5			27							24.39			40		967		

AINSWORTH-JENKINS HOLDINGS INC.

MINERAL RESOURCE CONSULTANTS

HOLE NO. 91-4  
SHEET NO. 2 OF 5

LOCATION \_\_\_\_\_ BEARING \_\_\_\_\_ LATITUDE \_\_\_\_\_ CORE SIZE \_\_\_\_\_  
 COLLARED \_\_\_\_\_ LENGTH \_\_\_\_\_ DEPARTURE \_\_\_\_\_ SCALE OF LOG \_\_\_\_\_ LOGGED BY BA  
 COMPLETED \_\_\_\_\_ DIP \_\_\_\_\_ ELEVATION \_\_\_\_\_ REMARKS \_\_\_\_\_ DATE \_\_\_\_\_

HOLE NO.	PLAG	K-SPAR	MAFIC	ACCESSORIES	TEXTURE	HARDNESS	ROCK NAME / APPEARANCE	ROCK TYPE ALTERATION	METRES	STRUCTURE	ANGLE TO CORE AXIS	WIDTH OF VEIN	MINERALIZATION / FAULTING	ENVELOPES (TYPE?)	REMARKS	FOOTAGE BLOCKS	SPECIFIC GRAVITY	RECOVERY		ASSAY RESULTS			
																		WEIGHT / GRAMS		SAMPLE NO.		ASSAY RESU	
																		CORE	SLUDGE	CORE	SLUDGE		
						5-6	Crowded Porphyry V. Broken		30							27.44		90		57			
						5-6			30							30.49		25		968			
						5-6			33									60		969			
						5-6			33	45'	2mm	GYPSUM + CALCITE		NONE		33.54		50		970			
						5			36									50		971			
						5			39									60		971			
						5			39									60		971			
						5			42	30								85		972			
						5-6			42									90		973			
						5-6			45	45'	2-3mm	GYPSUM CALCITE QZ		NONE				90		973			
						6			45		1cm	EPIDOTE/CLORITE		NONE				95		974			
						6			47.56		1cm	QZ VEIN		NONE				95		974			
						6	MICRODIORITE DYKE		48										95		974		
						6	MASSIVE		48										100		—		
						6			48.78										100		—		
						6			51				WEAKLY MAGNETIC		No SAMPLE				100		—		

AINSWORTH-JENKINS HOLDINGS INC.

MINERAL RESOURCE CONSULTANTS

HOLE NO. 91-4  
SHEET NO. 3 OF 5

LOCATION \_\_\_\_\_ BEARING \_\_\_\_\_ LATITUDE \_\_\_\_\_ CORE SIZE \_\_\_\_\_  
 COLLARED \_\_\_\_\_ LENGTH \_\_\_\_\_ DEPARTURE \_\_\_\_\_ SCALE OF LOG \_\_\_\_\_ LOGGED BY BA.  
 COMPLETED \_\_\_\_\_ DIP \_\_\_\_\_ ELEVATION \_\_\_\_\_ REMARKS \_\_\_\_\_ DATE \_\_\_\_\_

G/L	PLAG	K-SPAR	MAFIC	ACCESSORIES	TEXTURE	HARDNESS	ROCK NAME APPEARANCE	ROCK TYPE ALTERATION	METRES	STRUCTURE	ANGLE TO CORE AXIS	WIDTH OF VEIN	MINERAL- ZATION/ FAULTING	ENVELOPES (TYPE?)	REMARKS	FOOTAGE BLOCKS	SPECIFIC GRAVITY	RECOVERY		ASSAY RESULTS			
																		WEIGHT/GRAMS		SAMPLE NO.		ASSAY RES	
																		CORE 90	SLUDGE	CORE	SLUDGE		
						6	MICRO MONTE MESOCLASTIC		54	60°		0.5-2cm	QZ FSPR EPIDOTE/CHLORITE ON JOINTS	NONE	MAGNETIC - NO DISCRETE MAGNETIC OR PYRROPHITE SEEN	5.83	100			57	NO SAMPLE		
						6	CROWDED PORPHYRY FSP LATHES	55.50	57	20°			PYR + PYRIM IN BIOTITE CLOTS 2-4 TO 70 SULPHIDES			54.87	100			975			
						5-6			60			2-4cm	EPIDOTE-QZ-FSPR	NONE		57.93	100			976			
						5	INCREASING CHLORITIC ALTERATION	60.2	63							60.93	100			977			
						5			66							64.02	100			978			
						6	FRESHER CROWDED PORPHYRY.	66.66	69			1cm 0.7cm	QZ-FSPR-MAG- BIOTITE QZ-MAG-BIOTITE		MANY VEGNETS AND HIGHLY FRACTURED	66.46 67.99	80			979			
						6	GRAPHIC MICRO GRANITE RUSTY	71.50	72				> 3% PYR (DISS) RUSTY JOINTS + BROWN BIOTITE		COMPLETELY ALTERED UNIT - COULD BE AT DYKE ROCK	70.12	70			980			
						5-6	CROWDED PORPHYRY FSP LATHES		75							73.17	80			981			

AINSWORTH-JENKINS HOLDINGS INC.

MINERAL RESOURCE CONSULTANTS

HOLE NO. 91-4  
SHEET NO. 4 OF 5

LOCATION \_\_\_\_\_ BEARING \_\_\_\_\_ LATITUDE \_\_\_\_\_ CORE SIZE \_\_\_\_\_  
 COLLARED \_\_\_\_\_ LENGTH \_\_\_\_\_ DEPARTURE \_\_\_\_\_ SCALE OF LOG \_\_\_\_\_ LOGGED BY SA  
 DATE COMPLETED \_\_\_\_\_ DIP \_\_\_\_\_ ELEVATION \_\_\_\_\_ REMARKS \_\_\_\_\_ DATE \_\_\_\_\_

Gtz	FLAG	K-SPAR	MAFIC	ACCESSORIES	TEXTURE	HARDNESS	ROCK NAME APPEARANCE	ROCK TYPE ALTERATION	METRES	STRUCTURE	ANGLE TO CORE AXIS	WIDTH OF VEIN	MINERALI- ZATION/ FAULTING	ENVELOPES (TYPE?)	REMARKS	FOOTAGE BLOCKS	SPECIFIC GRAVITY	RECOVERY		ASSAY RESULTS			
																		WEIGHT/GRAMS		SAMPLE NO.		ASSAY RESU	
																		CORE %	SLUDGE	CORE 57	SLUDGE		
						4-5	FRESHEN PORPHYRY 75.4 76.0 STRONGLY CHLORITIZED ROCK-ORIGINAL FABRIC DESTROYED	78	45			1-2cm	QZ BIOTITE FSPA + CHLORITE			76.22		90		982			
						4-5	FRESHEN CROWDED PORPHYRY 79.0 80.8	81									79.26		90		983		
						4-5	CHLORITIC ROCK	84				1-2mm	CHLORITIC PYR 1-2% V. FINE GRAINED			81.70		90		984			
						5		87			MEDIUM					85.37		90		985			
						5	FRESHEN CROWDED PORPHYRY 88.1	90				0.1-1.0mm	V. FINE SWIRLS OF VEINLETS			88.1		90		986			
						4	CHLORITIZED ROCK	93					V. FINE GRAINED			90.24 91.15		90		987			
						4	DARKER V. BROKEN	96								94.82		80		988			
						4		99								97.56		80		989			

PROBABLY CHLORITIZATION  
OF WHISKEY BAGECCIA

# AINSWORTH-JENKINS HOLDINGS INC.

MINERAL RESOURCE CONSULTANTS

HOLE NO. 91-4  
SHEET NO. 5 OF 5

LOCATION _____	BEARING _____	LATITUDE _____	CORE SIZE _____	LOGGED BY <u>SA</u>
DATE COLLARED _____	LENGTH _____	DEPARTURE _____	SCALE OF LOG _____	DATE _____
DATE COMPLETED _____	DIP _____	ELEVATION _____	REMARKS _____	

N°	PLAG	K-SPAR	MAFIC	ACCESSORIES	TEXTURE	HARDNESS	ROCK NAME APPEARANCE	ROCK TYPE ALTERATION	METRES	STRUCTURE	ANGLE TO CORE AXIS	WIDTH OF VEIN	MINERAL- IZATION/ FAULTING	ENVELOPES (TYPE?)	REMARKS	FOOTAGE BLOCKS	SPECIFIC GRAVITY	RECOVERY		ASSAY RESULTS			
																		WEIGHT/GRAMS		SAMPLE NO.		ASSAY RESULT	
																		CORE %	SLUDGE	CORE	SLUDGE		
						4	FINE GRAINED CHLORITE ROCK		102							100.61		80		57			
						4-5	102.3 WHISPY BRECCIA FINE GRAINED QZ FSP BIOTITE ROCK		105				MICROFINE WHITE QZ/CLAY VEINETS CURVILINEAR STICK WORK MINOR CALCITE			103.66		100		991			
						4-5			108				PYR + CPY < 1%			106.71		100		992			
						4-5			111				IRREGULAR GYPSUM CALCITE VEINETS			109.76		100		993			
						6	INDISTINCT CONTACT 113 END OF WHISPY BRECCIA		114							112.8		95		994			
						6	FRAGMENTAL ANDESITE SOME FSP LATHS		117							115.55		95		995			
						6	117.05 BROWNISH ALTERATION OF FRAGMENTAL ANDESITE		120	70'		2cms	PYR CPY QZ SILTING DISS PY	SHARP CONTACTS		117.99		90		996			
						6				50'						120.12				000000			





AINSWORTH-JENKINS HOLDINGS INC.  
MINERAL RESOURCE CONSULTANTS

HOLE NO. 91-5  
SHEET NO. 2 OF 4

LOCATION \_\_\_\_\_ BEARING \_\_\_\_\_ LATITUDE \_\_\_\_\_ CORE SIZE \_\_\_\_\_ LOGGED BY \_\_\_\_\_  
DATE COLLARED \_\_\_\_\_ LENGTH \_\_\_\_\_ DEPARTURE \_\_\_\_\_ SCALE OF LOG \_\_\_\_\_ DATE \_\_\_\_\_  
TIME COMPLETED \_\_\_\_\_ DIP \_\_\_\_\_ ELEVATION \_\_\_\_\_ REMARKS \_\_\_\_\_

QTZ	PLAG	K-SPAR	MAFIC	ACCESSORIES	TEXTURE	HARDNESS	ROCK NAME APPEARANCE	ROCK TYPE ALTERATION	METRES	STRUCTURE	ANGLE TO CORE AXIS	WIDTH OF VEIN	MINERALI- ZATION/ FAULTING	ENVELOPES (TYPE?)	REMARKS	FOOTAGE BLOCKS	SPECIFIC GRAVITY	RECOVERY		ASSAY RESULTS			
																		WEIGHT/GRAMS		SAMPLE NO.		ASSAY RES.	
																		CORE	SLUDGE	CORE	SLUDGE		
						4-5	MORE STRONGLY CHLORITIC BROWN-PURPLE ANDESITE		30							27.44		10		57	804		
						4-5			33						BROKEN	30.49		25		805			
						4-5			36						V. BROKEN DRILLER'S USING POLYMER TO HELP CHIPS TOGETHER	33.54		40		806			
						4-5	WHISKEY BRECCIA* OF HOLE 91.4. FINE GRAINED PURPLE BROWN "ANDESITE" GREEN-BLACK	36.01	39						IRREGULAR FINE SCALE VEINLETS CHLORITIC/PYL/FSP	36.59		50		807			
						4-5	CHLORITIC ROCK V. BROKEN	38.4	42						SOME MAGNETIC PATCHES	39.53		40		808			
						4	CONTINUING V. BROKEN GREEN BLACK CHLORITE ROCK		45						Diss Pyl 1-2% + FINE VEINLETS SOME MINOR MAGNETITE	42.68		40		809			
						4			48						CHLORITE MAY BE WITH SILT IN PART.	45.73		40		810			
						4			51							48.74		40		811			

AINSWORTH-JENKINS HOLDINGS INC.  
MINERAL RESOURCE CONSULTANTS

HOLE NO. 91-5  
SHEET NO. 3 OF 4

LOCATION \_\_\_\_\_ BEARING \_\_\_\_\_ LATITUDE \_\_\_\_\_ CORE SIZE \_\_\_\_\_  
 DATE COLLARED \_\_\_\_\_ LENGTH \_\_\_\_\_ DEPARTURE \_\_\_\_\_ SCALE OF LOG \_\_\_\_\_ LOGGED BY SA  
 DATE COMPLETED \_\_\_\_\_ DIP \_\_\_\_\_ ELEVATION \_\_\_\_\_ REMARKS \_\_\_\_\_

QTY	FLAG	K-SPAR	MAFIC	ACCESSORIES	TEXTURE	HARDNESS	ROCK NAME APPEARANCE	ROCK TYPE ALTERATION	METRES	STRUCTURE	ANGLE TO CORE AXIS	WIDTH OF VEIN	MINERAL- IZATION/ FAULTING	ENVELOPES (TYPE?)	REMARKS	FOOTAGE BLOCKS	SPECIFIC GRAVITY	RECOVERY		ASSAY RESULTS				
																		WEIGHT/GRAMS		SAMPLE NO.		ASSAY RESULT		
																		CORE	SLUDGE	CORE	SLUDGE			
						5-6	DARK CHLORITIC ROCK - CONTINUING CRUSH ZONE WITH FINE VEINLETS		54			0.5-1mm 0.5-1mm	DISS PYR 2-3% VEINLETS 0.5-1% PYR SOME FINE QZ ASP VEINLETS	CHLORITE		51.83		40	57	812				
					91-4	4-5			57			1-3m	WHITE QZ/FSPN VEINLETS			54.88		40	813					
					TYPE - SEE HOLE	4-5			60							57.31		65	814					
					TYPE - SEE HOLE	4-5	BROWN VARIANT WITH GREEN CHLORITE ON FRACTURES FRACTURES MORE HEALED		63								60.37		70	815				
					TYPE - SEE HOLE	4-5	BLACK GREEN CHLORITIC ROCK V. BROKEN		66								64.02		50	816				
					BRCC1A	5-6	Brownish more MASSIVE SECTION OF CRUSH ZONE		69								66.66 67.48		40	817				
					WHISPY	5-6	V. BROKEN BUT STILL BROWN MORE MASSIVE		72								69.42		60	818				
						5-6	V. BROKEN		75								73.17		80	819				

AINSWORTH-JENKINS HOLDINGS INC.

MINERAL RESOURCE CONSULTANTS

HOLE NO. 91-5  
SHEET NO. 4 OF 4

COMPLETION DATE: \_\_\_\_\_ BEARING: \_\_\_\_\_ LATITUDE: \_\_\_\_\_ CORE SIZE: \_\_\_\_\_  
 COLLARED: \_\_\_\_\_ LENGTH: \_\_\_\_\_ DEPARTURE: \_\_\_\_\_ SCALE OF LOG: \_\_\_\_\_ LOGGED BY: BA.  
 COMPLETED: \_\_\_\_\_ DIP: \_\_\_\_\_ ELEVATION: \_\_\_\_\_ REMARKS: \_\_\_\_\_ DATE: \_\_\_\_\_

G12	FLAG	K-SPAR	MAFIC	ACCESSORIES	TEXTURE	HARDNESS	ROCK NAME APPEARANCE	ROCK TYPE ALTERATION	METRES	STRUCTURE	ANGLE TO CORE AXIS	WIDTH OF VEIN	MINERALI- ZATION/ FAULTING	ENVELOPES (TYPE?)	REMARKS	FOOTAGE BLOCKS	SPECIFIC GRAVITY	RECOVERY		ASSAY RESULTS			
																		WEIGHT/GRAMS		SAMPLE NO.		ASSAY RESUL	
																		CORE	SLUDGE	CORE	SLUDGE		
						5-6	DARK CHLORITIC ROCK GREEN BLACK		78					GENERALLY NONE - SOME CHLORITE ON VEINLET WALLS	STILL INTENSELY FRACTURED BUT HOLDING TOGETHER IN CORE BOX BAD GRIND IN UNDERGROUND MINING	75.92		90		57	820		
					WHISPY BRECCIA TYPE	5-6	NO COLOR CHANGE AROUND VEINING		81	STEEP 50°		1 cm 2 cm	PYR/CPY/PYRAN PYR/EPYRAN/CPY					90		821			
						5-6			84							82.31		90		822			
						5-6	GREEN BLACK CHLORITE ROCK.		87	50°		1 cm	PYR/CPY			84.76 86.59		75		823			
						5-6			90							88.42		95		824			
						6	MASSIVE DIABASE FINE GRAINED WITH ZEOLITE BLASTS 3-4 CMS.								END OF HOLE	91.46 m	91.46			825			

APPENDIX II

001/003

PLACER DOME INC (RESEARCH CENTRE)

GEOCHEM DATA LISTING: V236 NANIKA

1991:11:22

PDI lab data file: P1649  
AREA: NANIKA  
MAPSHEET NO:  
VENTURE: V236  
GEOLOGIST: R CANNON  
LAB PROJECT NO: 1649

PLEASE DISTRIBUTE RESULTS TO: RC EK KH GER LAB

REMARKS:  
"PULP SAMPLES FROM NEW CANAMIN RESOURCES"  
"AU BY FIRE ASSAY. MO CU AND AG FOR GEOCHEM BY AA"

STANDARD ANALYSIS METHODS USED BY PDL GEOCHEM LAB ARE LISTED BELOW:  
ALL RESULTS EXPRESSED AS INDICATED IN UNITS COLUMN BELOW  
ANY EXCEPTIONS FOR THIS PROJECT ARE NOTED ABOVE

REMARKS: INTERNAL LAB STANDARDS HAVE BEEN INCLUDED FOR REFERENCE.  
SAMPLE NUMBERS FOLLOWED BY \* ARE DUPLICATE ANALYSES.

	UNITS	WT.G	ATTACK	USED	TIME	RANGE	METHOD
AG	PPM	0.5	HClO4/HNO3		4HRS	0.2-20	A.A. BACKGROUND COR
AU	PPM	25.0	FIRE	ASSAY	45MIN	0.01-1000	ATOMIC ABSORPTION
CU	PPM	0.5	HClO4/HNO3		4HRS	2-4000	ATOMIC ABSORPTION
MO	PPM	0.5	HClO4/HNO3		4HRS	1-1000	ATOMIC ABSORPTION

PLACER DOME EXPL

0604 682 4895

15:42

25/91

PDI GEOCHEM SYSTEM: Data From: V236 NANIKA

002/003

GRID	SAMPLE	PROJECT	Ag PPM	Au PPM	Au-A PPM	Cu PPM	No PPM
		57801	1649	4.4	0.42	0.59%	78
		57803	1649	1.6	0.18	2420	75
		57805	1649	1.1	0.17	2640	33
		57807	1649	0.7	0.11	2440	130
		57809	1649	0.8	0.06	2640	110
		57811	1649	0.4	0.04	1610	49
		57813	1649	0.6	0.07	2670	160
		57813*	1649	0.6		2720	170
		57815	1649	0.5	0.02	2440	60
		57817	1649	0.5	0.03	2500	170
		57819	1649	0.7	0.03	2410	29
		57821	1649	0.6	0.02	0.48%	63
		57823	1649	1.2	0.05	0.60%	36
		57825	1649	<0.1	0.02	85	5
		57997	1649	0.4	0.2	1650	27
		57999	1649	0.6	0.2	0.3 0.38%	36
test	STD P1	1649	0.2			25	55

END OF LISTING - 17 RECURDS PRINTED Run on: 91:11:22 at 14:51:48

PLACER DOME EXPL

604 682 4895

15:43

25/91



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LABORATORIES**  
(DIVISION OF ASSAYERS CORP.)

**SPECIALISTS IN MINERAL ENVIRONMENTS**  
CHEMISTS • ASSAYERS • ANALYSTS • GEOCHEMISTS

**VANCOUVER OFFICE:**  
705 WEST 15TH STREET  
NORTH VANCOUVER, B.C. CANADA V7M 1T2  
TELEPHONE (604) 980-5814 OR (604) 988-4524  
FAX (604) 980-9621

**SMITHERS LAB.:**  
3176 TATLOW ROAD  
SMITHERS, B.C. CANADA V0J 2N0  
TELEPHONE (604) 847-3004  
FAX (604) 847-3005

Assay Certificate

1S-0920-RA1

Company: **NEW CANAMIN RESOURCES**  
Project: **NANIKA**  
Attn: **B. AINSWORTH**

Date: **OCT-16-91**  
Copy 1. **NEW CANAMIN RESOURCES, VANCOUVER, B.C.**

*We hereby certify* the following Assay of 24 CORE samples submitted OCT-07-91 by B.AINSWORTH.

Sample Number	*AU-FIRE g/tonne	*AU-FIRE oz/ton	AG g/tonne	AG oz/ton	CU %	MO %
57802	.15	.004	3.7	.11	.739	.009
57804	.17	.005	4.8	.14	.613	.016
57806	.17	.005	3.8	.11	.290	.005
57808	.02	.001	3.0	.09	.279	.005
57810	.01	.001	2.5	.07	.382	.012
57812	.04	.001	2.7	.08	.274	.014
57814	.01	.001	2.3	.07	.240	.018
57816	.02	.001	2.1	.06	.358	.012
57818	.01	.001	2.4	.07	.206	.021
57820	.01	.001	1.5	.04	.215	.015
57822	.01	.001	1.8	.05	.259	.006
57824	.01	.001	2.1	.06	.246	.011
57826	.02	.001	0.3	.01	.031	.002
57828	.02	.001	1.5	.04	.032	.002
57830	.01	.001	1.0	.03	.024	.001
57832	.02	.001	1.1	.03	.015	.002
57902	.01	.001	0.7	.02	.020	.002
57904	.01	.001	0.8	.02	.018	.002
57906	.01	.001	0.7	.02	.008	.002
57908	.01	.001	2.2	.06	.013	.003
57910	.01	.001	2.4	.07	.022	.002
57912	.01	.001	2.3	.07	.019	.001
57914	.01	.001	2.2	.06	.032	.001
57916	.01	.001	2.0	.06	.038	.002

\*AU - 1 ASSAY TON.

Certified by \_\_\_\_\_

*B. Ainsworth*  
MIN-EN LABORATORIES



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TELEPHONE (604) 847-3004  
FAX (604) 847-3005

*Assay Certificate*

1S-0920-RA2

Company: **NEW CANAMIN RESOURCES**  
Project: **NANIKA**  
Attn: **B. AINSWORTH**

Date: **OCT-16-91**  
Copy 1. **NEW CANAMIN RESOURCES, VANCOUVER, B.C.**

*We hereby certify* the following Assay of 24 CORE samples submitted OCT-07-91 by B. AINSWORTH.

Sample Number	*AU-FIRE g/tonne	*AU-FIRE oz/ton	AG g/tonne	AG oz/ton	CU %	MO %
57918	.04	.001	4.7	.14	.049	.004
57920	.05	.001	2.6	.08	.065	.013
57922	.03	.001	2.9	.08	.064	.003
57924	.01	.001	3.2	.09	.057	.002
57926	.01	.001	2.8	.08	.042	.001
57928	.03	.001	2.7	.08	.045	.002
57930	.02	.001	2.4	.07	.013	.001
57932	.02	.001	2.8	.08	.041	.001
57934	.02	.001	2.7	.08	.027	.001
57936	.03	.001	2.5	.07	.044	.001
57938	.04	.001	2.4	.07	.013	.002
57940	.04	.001	2.1	.06	.016	.001
57942	.01	.001	2.7	.08	.017	.001
57944	.01	.001	2.4	.07	.034	.001
57946	.01	.001	2.6	.08	.035	.001
57948	.01	.001	2.9	.08	.031	.002
57950	.01	.001	3.0	.09	.075	.003
57952	.02	.001	2.6	.08	.064	.001
57954	.01	.001	2.8	.08	.068	.001
57956	.01	.001	2.4	.07	.029	.001
57958	.02	.001	2.5	.07	.064	.002
57960	.01	.001	2.6	.08	.042	.001
57962	.01	.001	2.1	.06	.022	.002
57964	.01	.001	2.3	.07	.019	.002

\*AU - 1 ASSAY TON.

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Assay Certificate

1S-0920-RA3

Company: **NEW CANAMIN RESOURCES**  
Project: **NANIKA**  
Attn: **B. AINSWORTH**

Date: **OCT-16-91**  
Copy 1. **NEW CANAMIN RESOURCES, VANCOUVER, B.C.**

*We hereby certify* the following Assay of 18 CORE samples submitted OCT-07-91 by B. AINSWORTH.

Sample Number	*AU-FIRE g/tonne	*AU-FIRE oz/ton	AG g/tonne	AG oz/ton	CU %	MO %
57966	.01	.001	2.4	.07	.033	.001
57968	.01	.001	3.2	.09	.012	.002
57970	.01	.001	2.4	.07	.014	.001
57972	.01	.001	2.6	.08	.030	.001
57974	.02	.001	2.5	.07	.095	.002
57976	.01	.001	2.7	.08	.051	.002
57978	.01	.001	2.7	.08	.206	.003
57980	.03	.001	2.8	.08	.164	.006
57982	.02	.001	3.3	.10	.129	.012
57984	.01	.001	2.8	.08	.152	.005
57986	.04	.001	2.9	.08	.187	.004
57988	.01	.001	3.4	.10	.274	.005
57990	.02	.001	3.2	.09	.188	.004
57992	.02	.001	3.1	.09	.229	.004
57994	.01	.001	3.2	.09	.147	.005
57996	.02	.001	3.0	.09	.184	.003
57998	.04	.001	2.7	.08	.193	.005
58000	.03	.001	3.1	.09	.304	.004

\*AU - 1 ASSAY TON.

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