	and the second	Column Carlow Market State State State
LOG NU	0706 Date rece	RD. /
bac	é from a	mendment.
FILE NO		

LOG NO:	1221	
ACTON:	angen an fan de general de fange ann a se de la se de la se	en 12 Ann a - Annaeth
TLE NO.		

SUB-RECORDER

RECEIVED

JUN 29 1990

FILMED

GEOCHEMICAL and GEOLOGICAL REPORT

on the

CENTRAL PROPERTY

Liard Mining Division British Columbia

North Lat. 56°35' West LongvanCouver, B.C.

.Prepared for.

HARRISBURG-DAYTON RÉSOURCE CORP. P.O. BOX 11604 820 - 650 West Georgia Street Vancouver, B.C. V6B 4N9

.Prepared by.

BOA SERVICES LTD. P.O. BOX 11569 840-650 West Georgia Street Vancouver, B.C. V6B 4N8



Paul P.L. Chung, F.G.A.C. Consulting Geologist

December 11, 1989

TABLE OF CONTENTS

1 Introduction 1 Summary 3 Property and Ownership Location and Access 5 Physiography and Climate 5 6 History 7 General Geology 9 Property Geology 9 Stratigraphy 11 Alteration Mineralization 12 13 Structure 14 Work Program Rock Geochemistry 16 16 Conclusions Recommendations 17 Statement of costs 18 18-20 Bibliography Statement of Qualifications 21

Appendices

Appendix	I	Rock Sample Descrip	ptions
Appendix	II	Certificate of Ana	lysis

List of Illustrations

Figure

1	Location Map 1 : 7,000,000	2										
2	Claim Map l : 50,000											
3	Regional Geology Map	8										
4	Local Geology and Rock Sample Location Map-in poch	ket										

Page

INTRODUCTION

Harrisburg-Dayton Resource Corp. of Suite 820, 650 West Georgia Street, Vancouver, British Columbia holds an option to purchase 100% of the Central claim group, located in the Liard Mining Division. This report, prepared at the request of the directors of the company, describes the geology and the rock geochemistry survey conducted on the property between September 26th and September 29th, 1989.

SUMMARY

The Central claim group is comprised of M.G.S. claims totalling 58 units in the Liard Mining Division. The property lies immediately south of Snippaker Creek and approximately 90 km north of the town of Stewart. Access to the property is possible via scheduled fixed wing service to the Snippaker airstrip from Terrace, from there a helicopter is needed to provide access on to the property.

The topography of the property is moderate to extreme with elevation ranging from 600 metres to over 1500 metres. The region is characterized by heavy precipitation throughout the year and the field season generally lasts from July to September.

The first hardrock mineral exploration in the Iskut - Unuk River area took place between 1898 and 1903 by late comers of the Klondike gold rush. However the ground cover by the present Central group did not receive exploration activity until the early 1960's during the porphyry copper boom. At that time Great Plains Development staked the Tami and Kim claims, of which the Tami claims is partially cover by the present Central group. The company conducted line cutting, geological mapping, prospecting, and soil sampling programs on the Tami claims. In 1983 Onaping

- 1 -



.

Resources option the Central group and conducted a geological, geochemical, and geophysical program on the property.

The property is underlain by Mesozoic sediments and Jurassic aged Snippaker volcanics. The bedded sequence of volcanic and sedimentary rocks are gently to intensely folded and cut by regionally significant faults of apparently small displacement. Intruding the the volcanic and sedimentary rocks are Jurassic plutonic rocks belonging to the Coast Plutonic Complex.

The work program consisted of staking of the Central claim, resurrecting 500 metres of the old baseline, mapping and rock geochemistry Although the limited rock geochemistry survey. survey did not identify significant mineralization, the exploration potential of the property remains good and an exploration to further evaluate the property program is recommended for next season.

PROPERTY AND OWNERSHIP

The Central claim group is comprised of 4 M.G.S. claims totalling 58 units and is located in the Liard Mining Division. At present the property is under option from the owner, Chris Graf of the Alpha Syndicate to Harrisburg-Dayton Resources Corp. The following table summarizes the pertinent claim data:

Claim	Record No.	Expiry Date
Gossan 18	2525	Sept. 29, 1990
Gossan 19	2526	Sept. 29, 1990
Gossan 20	2527	Sept. 29, 1990
Central	6404	Sept. 27, 1990

- 3 -



CENTRAL PROPERTY

CLAIM MAP

Scale 1:50,000

Project No:		Report No	:
Mining Div:	Liard	N.T.S.:	104B/10
Date:	Dec. 1989	Map No:	2



100

LOCATION AND ACCESS

The property lies immediately south of Snippaker Creek on mapsheet 104B/10W in the Liard Mining Division. N.T.S. This is roughly located between the Unuk and Iskut Rivers of northwestern British Columbia. Stewart, the nearest town lies approximately 90 km due south of the property, and Wrangell, Alaska is 130 km to the west. The geographical coordinates of the claims are 56°35' N. Latitude and 130°52' W. Longitude.

Access to the property was by helicopter from the Snippaker airstrip, 7.5 kilometres to the southwest. Scheduled fixed wing service between the Snippaker airstrip and Terrace was maintained by Trans Provincial Airways in Terrace.

PHYSIOGRAPHY AND CLIMATE

The topography of the claims is moderate to extreme. Elevation ranges from 600 metres to over 1500 metres. Treeline ranges between 800 and 1200 metres. A prominent ridge, locally designated Sericite Ridge, trends north-south through the middle of the property. Travel on foot above tree line is reasonably easy over most of the area of the claim. Vegetation at lower elevations consists of slide alder, devils club, and spruce.

The region is characterized by heavy precipitation throughout the year. The field season, generally between July and September characterized by persistent rain and fog. is Winter snow accumulations noted in the Iskut River valley can be in excess of The Snippaker airstrip is free of snow by the end of 6 metres. much of the property is covered by snow until early May, but July.

HISTORY

The hardrock mineral exploration along the Iskut and first Unuk Rivers took place during the years 1898 to 1903 by late of the Klondike gold rush. In 1905 the Iskut Mining comers Company was formed by prospectors Busby and Bronson who staked a small showings in the Johnny Mountain area. number of In 1929 prospectors working for Cominco staked a large block of claims surrounding those of the Iskut Mining Company. The next record of exploration work was by Hudson Bay Mining and Smelting in 1954. At this time the Pickaxe showing of the present Reg claims was prospected and drilled.

During the porphyry copper boom of the early 1960's, the exploration activity in the area increased significantly. As a result of this activity Great Plains Development staked the Tami Kim claims, of which the Tami claim is partially covered by and present Central claim group. Between 1971 and 1976 a the considerable amount of exploration work was performed on the Tami of line cutting, geological mapping, claims consisting prospecting, and soil sampling. During the course of this work a number of anomalous areas were outlined by the soil geochemistry, located. With exception of the skarn plus several showings mineralization located at L31E 82+50N all the areas of interest were situated south of the present Central claim group.

In 1982, Chris Graf of the Alpha Syndicate staked the Gossan 18, 19 and 20 claims. Onaping Resources Ltd. optioned the property and conducted geological, geophysical and geochemical surveys on the claims. The program identified two areas of interest. One area exhibits skarn mineralization and the other area indicated potential for a large tonnage low grade Au deposit. GENERAL GEOLOGY

Regional mapping by the Geological Survey of Canada in 1935 (Map 311A) and 1957 (Map 9-1957) in the Snippaker Creek area indicate the presence of Mesozoic sediments and volcanics of the Takla and Hazelton Groups which have been intruded by granitic rocks of the Coast Plutonic Complex.

Mesozoic sediments consists of weakly metamorphosed siltstones and argillites which are considered to be pre-Triassic in age. Overlying this sequence is a sequence of black shales, siltstones. greywackes and conglomerates which coarsen upward. Two corals from a limestone bed in this sequence have been dated These sediments are in turn overlain by the middle Triassic. as volcanics, which is a chaotic mixture Snippaker Creek of andesitic to rhyolitic pyroclastic and flow rocks which have been altered to varying degrees by hydrothermal alteration and greenschist metamorphism. This unit which is host the to majority of the region's mineral deposits underlies the bulk of claim group. Overlying the Snippaker volcanics is a the Central 200m thick section of sedimentary rocks consisting of a well bedded, dark grey siliceous "arkose".

Regional mapping by the Geological Survey of Canada places a Triassic age on the Snippaker Creek Volcanics. However, base on more recent work by geologist in the area, a middle to lower Jurassic age appears to be more appropriate. This would make the Snippaker Creek Volcanics correlative with either the Betty Creek or Unuk River formations.

Intruding the Mesozoic strata in the Snippaker Creek area are plutonic rocks which range in middle Jurassic lower to from syenite to diorite. Contact metamorphism and composition anatexis accompanied the emplacement of some of these intrusives of migmatites, gneisses and the formation resulting in

- 7 -



cataclasites at the border zones. In addition large zones of hydrothermal alteration are developed around some of the more potassic intrusives.

Uppermost in the stratigraphic section for the Snippaker Creek area are a number of recent cinder cones and volcanic flows consisting of olivine basalts. Hotsprings related to this volcanic event are presently active in a number of localities.

WORK PROGRAM

The work program commenced on September 26, 1989 and was completed on September 29, 1989. The field crew was supplied by Quest Canada Exploration Services Inc. and consisted of J. Herrero, I. Van Eck, both experienced prospectors and K. Ronak, a qualified geologist.

PROPERTY GEOLOGY

Stratigraphy

Snippaker Volcanics tentatively dated as Lower to Middle The Jurassic contain a variety of rock types ranging from mafic volcanic flows and pyroclastics to volcanoclastic sediments and minor chert. The dominant rock types in this package are mafic pyroclastic rocks. Clast size varies greatly from coarse grained Characteristically the clasts are angular to blocks to ash. and composed dominantly of volcanic fragments. subangular In most cases the clasts are self supporting, however; in a few large blocks were found supported in a fine grained localities matrix suggesting a possible lahar.

- 9 -

The mafic volcanic flows are andesitic in composition and are for the most part restricted to north of the Big Gully Fault. They are dark green in colour, aphanetic, variably porphyritic (hornblende phenocrysts), variably magnetic and in some cases amygdaloidal.

Occupying the central portion of the claim block is the feldspar porphyry. This rock type is green in colour, medium grained, porphyritic (plagioclase, <u>+</u> hornblende), and generally magnetic. Tentatively this rock type is considered to represent a subvolcanic intrusive, however it may be a coarse-grained extrusive.

The sericitic volcanic and pyroclastic unit represents a rock type which has been extensively altered to sericite. Relic breccia clasts and hornblende phenocrysts are visible, but for the most part the primary textures have been obliterated. Consequently this unit may contain both pyroclastic and flow rock types. Characteristically this rock type is pale green in colour and in some cases has a prominent foliation.

The felsic volcanic unit is pale green in colour, aphanetic and non-magnetic. In contrast to the altered flows and pyroclastics, this rock type shows little evidence of alteration, and may represent either a subvolcanic intrusive or felsic volcanic flow.

The volcanoclastic sediments occur in a broad belt immediately south of the Big Gully Fault. Characteristic of this rock type are rounded polylithic clasts which exhibit sedimentary textures such as graded bedding. Dominantly the clasts are composed of either volcanic material or chert.

The chert unit occurs in a number of localities. It is generally pale green in colour and well laminated.

The Coast Plutonic complex is represented on the claim group by four members. The oldest appears to be the granodiorite which is most prevalent in the western portion of the claim block. This rock type is medium to coarse grained, hornblende bearing, holocrystalline, equigranular, generally non-magnetic, and altered to varying degrees by sericite, chlorite and orthoclase.

the eastern portion of the claim block, in contact with In the quartz monzonite, thisrock is altered type and recrystallized to such a state that its impossible to distinguish the altered volcanic rocks. Orthoclase veins are common in from this unit along with the conversion of plagioclase to sericite and, hornblende and biotite to chlorite.

The younger intrusives in the claim group include the quartz monzonite and orthoclase porphyry. The quartz monzonite occurs at the eastern and western margins of the claim group. This rock type is characterized by a relatively unaltered appearance plus the presence of orthoclase in the groundmass and phenocrysts. It is relatively coarse- grained, holocrystalline, slightly porphyritic, magnetic, hornblende and biotite bearing.

The orthoclase porphyry occurs in the southern portion of claim group. It is characterized by large phenocrysts of orthoclase up to 2 cm long. The remainder of the rock is medium grained, holocrystalline, hornblende bearing and non-magnetic.

Alteration

As noted previously, hydrothermal alteration has affected most of the rock types older than the quartz monzonite and orthoclase porphyry. This alteration appears to be related to the quartz monzonite situated in the eastern portion of the claim block. The potassic alteration is the most extreme and is manifested by orthoclase veins in the altered granodiorite and volcanic rocks. In addition, quartz and chlorite veins are also and the mafic minerals (biotite and hornblende) have present, been converted to the chlorite. This alteration assemblage does not have any significant sulphide mineralization associated with it. On the other hand the pervasive sericitic alteration prevalent in the southern portion of the claim block and the scattered zones of epidote veining does have significant veined and disseminated pyrite. The alteration pattern conform to classic "porphyry" copper type model.

The montmorillonite alteration present in the quartz monzonite does not appear to be related to any mineralization. Consequently it appears to be more the product of deuteric fluids generated within the magma.

Mineralization

Three distinct forms of mineralization occur on the The most pervasive is manifested by veined property. and disseminated pyrite which occurs in all rock types older than the quartz monzonite. This mineralization appears to be related to the pervasive sericitic alteration and appears akin to the pyrite halos which commonly surround porphyry copper type deposits. In number of localities the pyrite content exceeds 5%. This a results in many of the conspicuous gossans which characterize the In addition, previous soil geochemistry property. surveys indicates anomalous gold contents associated with these zones of elevated pyrite content

Vein mineralization consisting of base metals and quartz, or barite constitute the second form of mineralization on the claim group. A barite vein averaging 5 cm discovered in 1983 failed to return significant base or precious metal values. However, a quartz vein ribboned with sphalerite discovered in the same survey returned significantly values in Zn, Au, Ag, Cu and Mo. The third and perhaps most significant type of mineralization has the overall appearance of a skarn. Mineralization consists of a series of closely spaced veins of magnetite, quartz and epidote hosted in a sericitized volcanic breccia adjacent to a granodiorite. These veins are contained in a zone 5 - 7m wide and in excess of 100m long which strikes to the southeast. Associated with this zone are some of the highest Au, Ag, Cu and Mo soil anomalies on the property.

Structure

The bedded sequence of volcanic and sedimentary rocks is gently to intensely folded and cut by regionally significant of apparently small displacement. These faults are faults expressed locally as broad zones of fracturing and penetrative foliation. Doming and complex faulting are common around intrusive rock masses. On a regional level, the most prominent directions are north-northwest and east-northeast. Some of shear the northeast-trending faults show prominent scarps commonly affecting drainages, and appear to be the most recently active set.

The bedded rocks on the property have suffered gentle to intense folding. Fold axes in the area are very irregular but generally trend north-northwest, indicating northeast-southwest compression.

The regional pattern of faults and fractures is strongly influenced by the proximity of intrusions. One of the best examples of this phenomenon are the tangential faults around the diorite intrusive of Sericite Ridge. Most granodiorite and orthoclase porphyry dykes are oriented parallel to one of these regional fracture patterns. The same pattern is clearly expressed in the orientation of mineralized and altered zones. The zones of intense sericite-pyrite alteration show a prominent east and northeast trend with less widespread alteration developed along a subordinate northwest set.

These structures were probably active, on a regional level, at very recent times. Their influence on topography is evident on satellite photographs, air photos and in individual outcrops. Within the Unuk-Iskut River areas there are numerous centres of recent volcanic activity and associated hot springs which appear to lie along regional air photo lineaments.

WORK PROGRAM

The work program commenced on September 27, 1989 and was completed on September 29, 1989. The field crew was supplied by Quest Canada Exploration Services Inc. and consisted of J. Herrero, I. Van Eck, both experienced prospectors and K. Ronak, a qualified geologist.

During the program, 500 metres (from 27E to 32E) of the baseline was resurrected to provide control for sample locations and rock geochemical samples were collected from a soil anomaly discovered in the 1983 work program.

The baseline was resurrected using a compass and a drag chain. The 27E station was located and the baseline was re-established for 500 metres. This baseline was flagged and labelled with pickets or rock cairns put in at every 25 metres.

After the baseline was re-established, traverses were conducted in areas of interest from previous work.

<u>Station 1</u>: Located on the spine of the main ridge at 1463 metres (4800 feet) elevation. Outcrop weathered to pale white to tan in colour. Minor pyrite (1%). Sample 56801 taken of FeOx stained quartz-carbonate vein (5.0cm wide) hosted in highly siliceous light green volcanics.

<u>Station 2</u> : Large outcrop (approximately 10.0 metres wide x 20.0 metres long) surrounded by snow cover of andesite. This showing is know as the "Little Italy Showing". Outcrop is composed of a darkly limonitic stained, dark green, highly siliceous andesite with disseminated pyrite (up to 20%) throughout. Quartz - carbonate veins from 3.0cm to 20.0cm wide occurs sporadically throughout the outcrop. The veins are mineralized, to various degrees with pyrite, chalcopyrite, specularite and an unknown steely grey mineral. Samples 56802 to 56807 were taken of vein material.

<u>Station 3</u> : Located between L26E and L27E at about 1463 metres (4800 feet) in elevation. Weathered outcrop approximately 25cm wide by 3 metres long of andesite with a quartz-carbonate vein mineralized specularite buried in the scree. Sample 56808.

Station 4 : Located on west side of main ridge at about 1585 metres (5200 feet) elevation. A weathered outcrop of well fractured, darkly limonitic stained, dark green aphanitic andesite with 20% pyrite disseminated within the matrix. Sample 56809.

<u>Station 5</u>: Located about 40 metres downhill (azimuth 28.0°) from L28E, 97+50N. Sample 56810 taken of FeOx stained quartz carbonate vein with minor hematite. Similar to the veins found in the "Little Italy Showing" which is approximately 120 metres up slope. Difficult to tell whether sample is float or not. However, if it si float, it appears to have come only a very short distance. - 16 -

ROCK GEOCHEMISTRY

10 rock geochemical samples were collected during the In total program. The samples were sent to Acme Laboratories Ltd. in There, Vancouver for analysis. the samples were crushed, grounded and sieved to -80 mesh. The pulps were then analyzed for 30 elements using ICP and gold by AA. The sample descriptions and the Certificate of Analysis accompanies this report as Appendix I and II respectively. The sample locations are plotted on Figure 4.

In general the rock geochemistry did not reveal the presence of any significant mineralization. The highest sample returned values of 101ppm Cu, 148ppm Zn, 1.0ppm Ag, and 40ppb Au.

CONCLUSIONS

Previous work on the property has identify two areas of interest. This year's work program attempted to discover the source of the soil anomaly in one or these two areas. However, due budget/time constraints, only a limited amount of samples were collected from the area of interest. The rock geochemistry did not identify the presence of significant mineralization, but due to the limited scope of the survey, the anomaly cannot be dismissed without more detailed investigation.

Based on favourable geology and results from previous work on the property, the Central claim group appears to have a good potential for defining economic mineralization.

RECOMMENDATIONS

After evaluation of data compiled to date, the following work program is recommended to further evaluate the exploration potential of the property:

- 1) extending L25E, L27E and L29E to 115N and completing the soil sampling at 100m stations.
- 2) detailed geological mapping over areas of interest.
- 3) detailed magnetometer survey over any areas of interest.

STATEMENT OF COSTS

Wages	
Geologist - 3 days @ \$300.00/day	\$900.00
Senior Assistant - 3 days @ \$250.00/day	750.00
Assistant - 3 days @ \$225.00/day	675.00
Lodging	21.06
Food	192.82
Supplies	175.72
Travel	1,372.63
Radio Rentals	232.50
Helicopter	2,093.92
Shipping	249.87
Cargo	488.37
Equipment Rental	
2 days @ \$5.00/man/day	30.00
Assays Costs	295.23

Camp Rental 2 days @ \$20.00/man/day	120.00
Miscellaneous	86.15
Management Fee (10%)	918.33
Report Costs	1,500.00
TOTAL COST OF PROGRAM	\$10,101.60

Respectfully submitted BOA SERVICES LTD.

Paul P.L. Chung, F.G.A.C.

BIBLIOGRAPHY

- Folk, P., 1987. Geological, Geochemical, Geophysical and Drilling Report on the Snip £2 claim, Snippaker Creek Area. Assessment Report for Mt. Calvery Resources Ltd.
- Geological Survey of Canada 1957. Stikine River Area. Geological Survey of Canada Map 9-1957.
- Geological Survey of Canada 1935. Geological Survey of Canada Map 311A.
- Hall, B.V., 1983. Geological, Geochemical and Geophysical Report on the Central Claim Block, Snippaker Creek Area, Liard Mining Division. Assessment Report for Onaping Resources Ltd.

STATEMENT OF QUALIFICATIONS

I, Paul P.L. Chung, of the City of Richmond, Province of British Columbia, DO HEREBY CERTIFY THAT:

- (1) I am a Consulting Geologist with business address office at Suite 840 - 650 West Georgia Street, Vancouver, British Columbia, V6B 4N8; and President of Boa Services Ltd.
- (2) I am a graduate in geology with a Bachelor of Science degree from the University of British Columbia, in 1981.
- (3) I have practised my profession continuously since graduation.
- (4) I am a Fellow of the Geological Association of Canada.
- (5) I have conducted various mineral exploration programmes in B.C., Yukon, Manitoba, Ontario, Quebec, Nova Scotia, and Nevada.
- (6) This report is based on data supply to me by Quest Canada Exploration and on selected publications and reports.
- (7) I own 2000 shares in the capital stock of Harrisburg-Dayton Corp.

Paul P. L. Chung F.G.A.C.

Dated at Vancouver, British Columbia, this 10th day of December, 1989.

I, Kenneth James Ronak, of 2217 3 Av N.W. in the City of Calgary in the Province of Alberta, do hereby certify that:

- 1. I was a Consulting Geologist with the firm of Quest Canada Exploration Services Inc. with offices at Suite 840, 650 West Georgia Street, Vancouver, British Columbia.
- 2. I am a graduate of the University of Alberta, B.Sc. Geology (1984), and have practised my profession for two years since my graduation.
- 3. I am enrolled as an M.I.T. with the Association of Professional Engineers, Geologists and Geophysicists of Alberta.
- 4. I worked on the Gossan and Snippaker Property Assessment from September 25 to October 2, 1989.
- 5. I do not own or expect to receive any interest (direct, indirect, or contingent) in the property described herein nor in the securities of the Snippaker and Gossan Properties in respect of services rendered in the preparation of this report

DATED at Vancouver, British Columbia, this 11th day of December,

A.D. 1989.

Respectfully Submitted,

Ken Rauck

Ken Ronak, B.Sc.

APPENDIX I

ROCK SAMPLE DESCRIPTIONS

SAMPLE NO.

DESCRIPTION

- 56801 FeOx stained quartz carbonate vein (5.0 cm wide) hosted in highly siliceous light green volcanics. Minor pyrite (<1%)
- 56802 limonite stained quartz carbonate (<10%) vein material with minor specularite (<5%) and a steel grey mineral (<2%) with trace of chalcopyrite. Host rock is a highly siliceous green fine grain andesite with minor (<1%) disseminated pyrite.
- 56803 similar to sample 56802 except with more rusty carbonate material (siderite ?).
- 56804 limonite stained quartz carbonate vein with ~ 10% specular hemitite. The vein includes clasts of the wall rock (andesite).
- 56805 same as sample 56804.
- 56806 limonite stained quartz carbonate vein material with minor specular hematite and trace of chalcopyrite. Host rock is a highly siliceous andesite with disseminated pyrite.
- 56807 same as sample 56806.
- 56808 limonite stained quartz carbonate vein with specularite, and minor steely grey mineral. Clasts or andesite wall rock can be seen within the vein.
- 56809 weathered, well fractured, darkly limonitic stained dark green andesite with < 20% disseminated pyrite.
 - 56810 Limonite stained quartz carbonate vein with minor hematite.

APPENDIX II

CERTIFICATE OF ANALYSIS - ROCKS

ACTE ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716

GEOCHEMICAL ANALYSIS CERTIFICATE

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HN03-H20 AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER. THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM. - SAMPLE TYPE: P1 ROCK P2 SOIL AU** ANALYSIS BY FA/ICP FROM 10 GM SAMPLE.

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	AS PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg X	8a PPM	Ti X	B PPM	Al X	Na X	K X	V AU* PPN PP	
B 56801 B 56802 B 56803 B 56804 B 56805	2 1 2 2 2	24 36 9 14 20	29 26 10 8 5	39 159 97 110 121	.1 .1 .5 .3	5 5 6 4 5		406 2613 2160 15817 10520	.38 1.58 1.13 4.21 2.50	2 2 2 2 2 2	5 5 5 5 5	ND ND ND ND	3 1 1 1	108 22 11 176 78	1 1 1 1	2 2 2 2 2 2 2	2 2 2 2 2 2	1 1 3 3 1	.33 .95 .25 6.32 2.85	.006 .008 .023 .032 .014	6 3 4 3	4 48 3 35 5	.02 .11 .01 .84 .19	1774 138 170 406 90	.01 .01 .01 .01 .01	2 11 11 2 12	.27 .11 .19 .21 .09	.02 .01 .01 .01 .01	.14 .05 .12 .15 .07	12	1 1 2 8 8
B 56806 B 56807 B 56808 B 56809 B 56810	1 3 1 1 2	23 13 101 17 6	8 9 13 4 4	130 58 148 82 35	.1 .1 1.0 .1 .1	4 8 30 6 6	11 6 26 9 4	5475 1306 1572 3369 1884	1.62 .80 8.72 .93 .94	2 2 22 2 2 2	5 5 5 5 5	ND ND ND ND ND	1 1 3 3 1	47 7 37 12 12	1 1 1 2 1	2 2 7 2 2	2 2 2 2 2 2	2 3 177 3 3	.07 .52 .11		3 3 7 19 2	45 6 114 3 66	.20 .05 3.71 .01 .09	226 194 30 125 26	.01 .01 .33 .01 .01	10 10 4 2 2	.16 .18 3.05 .31 .07	.01 .01 .01 .01 .01	.09 .06 .17 .18 .02	1 2 4 1	6 2 3 3
B 56811 B 56812 B 56813 B 56814 B 56815	7 5 5 2	16 66 19 20 37	63 186 21 22 4	115 84 41 64 93	1.5 1.8 .8 .6 .2	3 2 1 3	4 4 2 1 3	194 178 53 188 838	3.32 3.57 3.06 2.99 3.03	17 12 7 9 2	6 5 5 5 5	ND ND ND ND	2 2 4 7 6	16 13 23 92 29	1 1 1 1 1	2 2 2 2 2 2	2 2 2 2 2 2	8 8 6 9 27	.05 .04 .02	.123	7 6 13 12 8	3 11 2 10 6	.37 .34 .08 .30 .83	66 39 112 352 214	.01 .01 .01 .01 .07	4 2 5 10 3	.72 .73 .42 .67	.01 .01 .01 .05 .02	.18 .20 .17 .18 .15		28 1 2
B 56816 B 56817 B 56818 B 56819 B 56820	1 2 1 1 1	53 124 33 126 58	40 82 33 30 14	398 161 340 517 210	.6 2.6 .7 .6 .4	6929223	8 25 15 3 11	2131 1341 2498 2783 1195		37 161 22 34 13	5 5 5 5 5	ND ND ND ND	1 2 1 8 1	40 190 119 192 18	1 1 1 1 1	5 7 2 5 2	2 2 2 2 2 2	68 112 92 52 27	1.39 1.04 .03		13 10 9 89 6	62 72	3.38 1.66 3.41 2.94 1.07	67 13 30 65 48	.01 .31 .27 .07 .03	6 2 2	3.09 1.93 3.04 3.16 1.30	.02 .01 .01 .18 .02	.07 .01 .10 .14 .11	1 7 1 1 1	8 7 8 1 52
B 56821 B 56822 B 56823 S 56824 B 56825	1 252 14 25 31	40 1732 21 30 39	8 156 23 33 28	80 1955 6 29 71	.4 3.8 .7 1.1 .4	3 4 5 3 6	3 4 6 5 2	331 272 18 57 1085	2.33 1.93 3.77 2.47 1.03	17- 33 8 11 5	67 65 5		2 - 2/2 -	15 25 11 5 20	-5-47	2	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	14 2 3 3 3 3	.17	.030 .047	4 3 5 5 4	5 32 1 13 6	.43 .09 .01 .03 .22	75 14 9 26 265	.01 .01 .01 .01 .01	5 8 7 10 15	.91 .29 .27 .33 .22	.01 .01 .01 .01 .01	.20 .10 .14 .16 .07		59
B 56826 B 56827 B 56828 B 56829 B 56830	500	1545	21857√ 3348 12511√ 8964 300	12834⁄	9.3 16.8	6 7 9 6 6	3 1 1 2 1	281 32 47 33 407	2.28 1.46 1.98 2.62 1.52	17 7 26 12 6	8 6 7 5	ND ND ND ND	2 1 3 2 3	8 5 9 7 9	209 93 47 147 1	16 6 14 6 2	2 2 2 4 2	3-1336	.01	.145	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	4 4 4 4 4 4 10	.08 .01 .02 .02 .63	33 54 75 25 72	.01 .01 .01 .01 .01	3 3 2 4 3	.34 .17 .28 .21 .79	.01 .01 .01 .01 .01	.12 .07 .08 .08 .12	1 19 1 10 1 9 1 19 1 19)5 29 28
B 56831 B 56832 B 56833 B 56852 B 56853	21 92 54 30 140	1588 292 202 34 54	1416 7157 45 50 106	25175 200 175 101 84	8.8 16.6 .8 1.2 3.7	5 6 5 6	1 1 6 4 6	25 20 2013 27 44	2.17 .97 1.61 2.65 3.34	12 16 9 6 9	5 5 7 7	ND ND ND ND	2 2 3 3	14 298 15 9 11	155 2 2 1	2 12 2 2 2	6 2 2 2 2 2	3 3 4 2 3	.01 .01 .85 .01 .01	.076 .037 .014	2 6 7 6	45522	.02 .01 .21 .01 .03	25 85 137 18 13	.01 .01 .01 .01 .01	3 11 3 8 9	.22 .31 .28 .26	.01 .01 .01 .01	.09 .11 .13 .15 .16	1 10 1 36 1 1 1 2 1 25	52 17 29
B 56856 B 56857 STO C/AU-I	1 1 R 18	27 80 58	29 8 38	69 133 140	.6 .3 6.7	4 5 67	4 6 30	612 2443 1018	2.91 4.34 4.09	8 7 39	7 5 22	ND ND 7	1 2 39	122 10 50	1 1 17	_	2 2 23	39 24 59		.062 .084 .096	2 3 39	9 10 56	.60 1.20 .87	77 96 176	.17 .09 .06	11 2 34	.76 1.98 1.92	.02 .01 .06	.13 .20 .13	1 13 52	6 11

✓ ASSAY RECOMMENDED

