



GEOLOGICAL MAPPING & GEOCHEMICAL SAMPLING
On The
JJ 1-10 and ASH 1-10
CLAIMS

Whitehorse Mining District
Yukon Territory **091848**



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August 30, 1986

This report has been examined by
the Geological Evaluation Unit
under Section 50 (4) Yukon Quartz
Mining Act and is noted as
representation work in the amount
of \$ 1800.00

DA Emend

fo Regional Manager, Exploration and
Geological Services for Commissioner
of Yukon Territory.

GEOLOGICAL MAPPING & GEOCHEMICAL SAMPLING
On The
JJ 1-10 and ASH 1-10
CLAIMS

Whitehorse Mining District
Yukon Territory

Claims

JJ 1-10 (YA 82813 - YA 82822)
ASH 1-10 (YA 94075 - YA 94084)

Location

1. Wheaton River Area
2. NTS 105 D-3, 105 D-4
3. Latitude, 60°09'N
Longitude, 135°31'W

For

Mr. Clark Ashley
400 - 601 West Cordova Street
Vancouver, BC
V6B 1G1

By

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August 30, 1986

SUMMARY

The JJ 1-10 and ASH 1-10 claims are located at the head waters of Berney Creek, a tributary of the Wheaton River. The area has seen increasing exploration activity since the discovery and development of the Mount Skukum gold-silver epithermal bonanza type deposit which is located 6 km Northeast of the JJ-ASH claim group.

Other active properties nearby include the Skukum Creek property of Omni Resources Inc. 7 km to the East and the Charleston Crown Grants owned by Tally-Ho 3 km to the North.

The JJ and ASH claims were staked in 1984 and 1985 to cover an area reported to contain quartz veins with galena and pyrite according to Bostock.

Situated in the gold-bearing Wheaton River district, the claims cover an eroded upland plateau underlain by granitoid rocks of the Cretaceous Coast Plutonic Complex which contain remnants of mixed sedimentary and volcanic rocks of pre-Cretaceous age. Tertiary felsic dyke swarms and plugs related to nearby subarial felsic volcanic centres (eg. Mt. Skukum, Bennet Lake) cut all other lithologies and provide favorable structural-lithological sites for precious metal and polymetallic base metal mineralization.

Mapping and sampling in August 1986 indicates that the property is underlain primarily by leucogranite and hornblende granite cut by andesite to diabase dykes.

Quartz veins with galena and pyrite + chalcopyrite + molybdenum occur at the margins of the ASH and JJ claims and may strike into overburden covered areas in the central portion of the property. The veins northeast of the JJ 6 claim carry gold values up to 2000 ppb Au.

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Figure 1 - Location Map

Figure 2 - Claim Location Map

Figure 3 - Geology and Sample Locations

INTRODUCTION

This report was prepared at the request of Mr. Clark Ashley. It describes exploration carried out on the JJ 1-10 and ASH 1-10 claims by Aurum Geological Consultants Inc. on August 20th 1986.

Work consisted of mapping on selected traversal lines on the claim group with geochemical soil and rock sampling and report preparation.

LOCATION & ACCESS

The JJ 1-10 and ASH 1-10 claims are a contiguous group of 20 quartz claims located in southwestern Yukon, Figure 1. The claims cover a divide between Berney Creek, an eastward flowing tributary of the Wheaton River; and an unnamed tributary of the Watson River, flowing to the northwest.

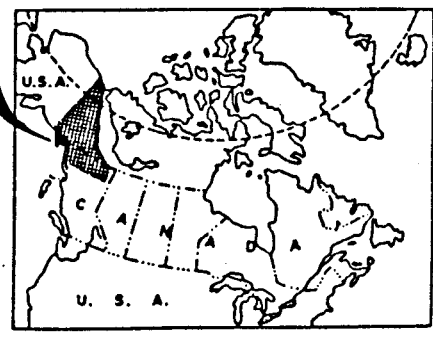
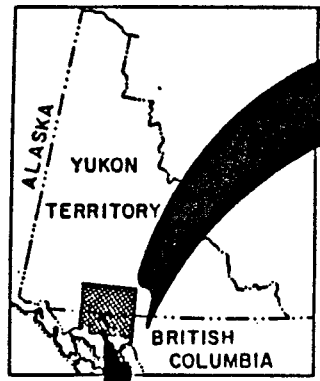
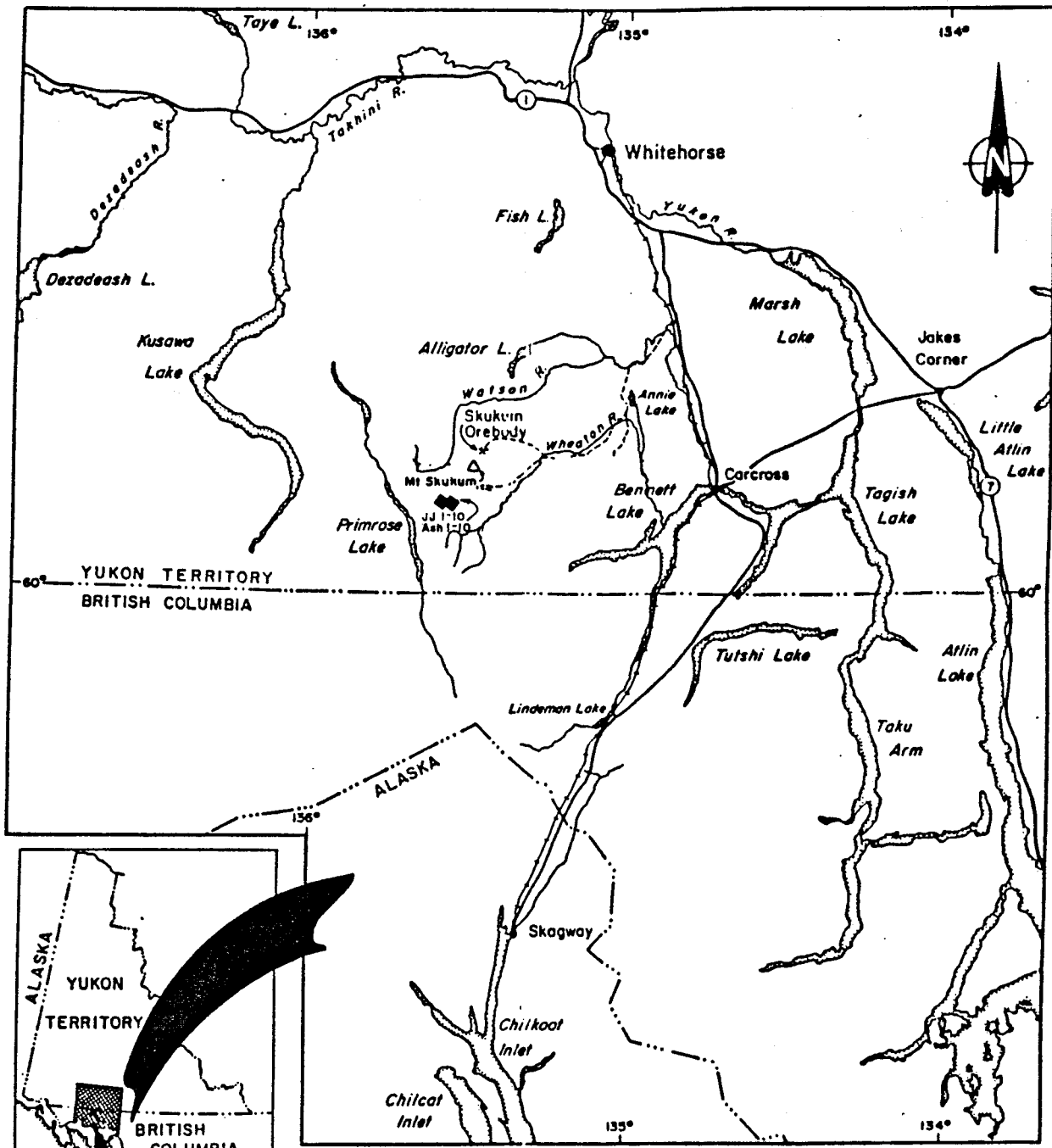
The centre of the claim block is at 60°09' North Latitude and 135°31' West Longitude on map sheets 105 D-3 and 105 D-4. Gravel surfaced all-weather roads lead to within 7 km of the property, additional tote roads are under construction nearby on Skukum Creek.

PROPERTY

The property consists of the following claims, staked in accordance with the Yukon Quartz Mining Act. The claims are shown on D.I.A.N.D. Quartz and Placer Map Sheets 105 D-3 and 105 D-4, Figure 2.

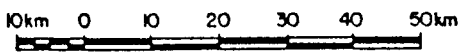
<u>Claim Name</u>	<u>Grant #</u>	<u>Mining District</u>	<u>Recording Date</u>	<u>Expiry Date</u>
JJ 1-2	YA 82813-YA 82815	Whitehorse	23/09/84	Claims Lapsed
JJ 3-10	YA 82816-YA 82822	Whitehorse	23/08/84	23/09/87
ASH 1-10	YA 94075-YA 94084	Whitehorse	13/12/85	13/12/87

No record of previous claim staking in this area is known to the author.



JJ I-10 AND ASH I-10 CLAIM GROUP

LOCATION MAP



Aurum Geological Consultants Inc.

Scale:

Drawn by: H.D.P.

Date: 86/09/05

Figure: 1

PERSONNEL

Mapping and sampling was carried out on the JJ 1-10 and ASH 1-10 claims on August 20, 1986 by A. Doherty, T. Garagan and D. David of Aurum Geological Consultants Inc. Data compilation and report preparation were completed by A. Doherty. Transport to the property was by a Frontier 500 D helicopter based in the Wheaton River.

CLIMATE, TOPOGRAPHY & VEGETATION

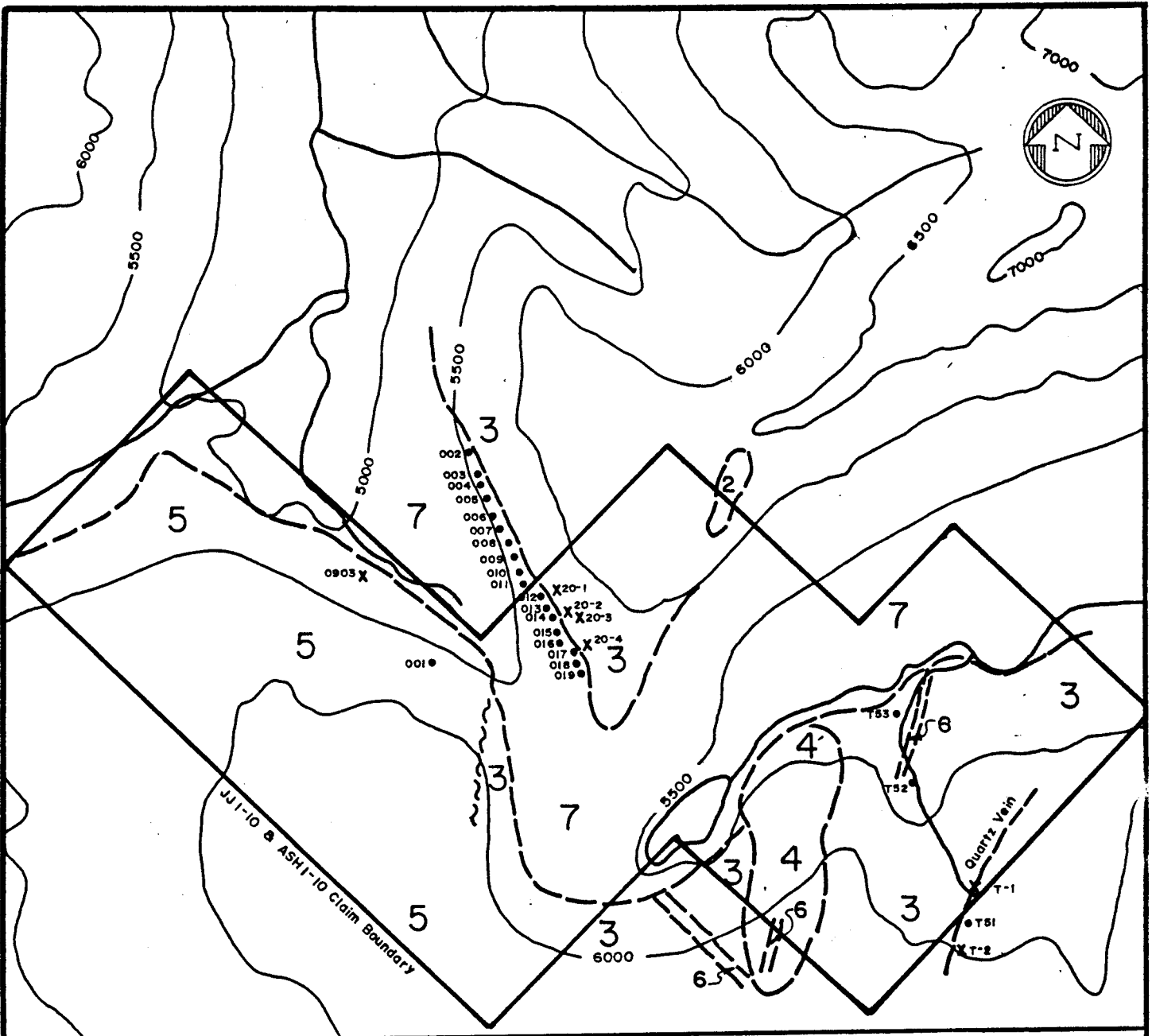
The climate in the Southwestern Yukon is variable with moderate dry summers and long cold winters. Precipitation is light (40 cm annually), with moderate snowfalls occurring during the winter months. The area is susceptible to periodic high winds from moist Pacific systems rising over the Coast Mountains. The exploration season extends from mid-May through to September-October.

Topography consists of a well rounded upland plateau, with broad U shaped glacial valleys. The JJ and ASH claims cover quite rugged ground with steep (100-200 m) cliffs dissecting the area and a large areas of glacial debris in the valley floor.

Vegetation is typically high alpine with sparse mosses, grasses and alpine flowers.

GEOLOGY

The JJ 1-10 and ASH 1-10 claims are underlain by leucogranite, hornblende granite and granodiorite of the Cretaceous Coast Crystalline Complex. Roof pendants of diorite and Yukon Group metasediments occur in the Cretaceous Intrusions. Porphyritic andesite and other intermediate dykes of the Eocene Mt. Skukum Group cut the Cretaceous granites in a number of locations. Property geology is shown in Figure 3.



ROCK TYPES

QUATERNARY

7 GLACIAL TILL

TERTIARY

6 ANDESITE DYKES

CRETACEOUS

5 LEUCOGRANITE

4 HORNBLende GRANITE

3 GRANODIORITE

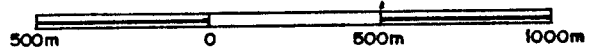
2 DIORITE

HADRYNIAN

1 YUKON GROUP METASEDIMENTS

LEGEND

- Contour
- Stream
- Claim boundary
- - - Geological contact
- ~ ~ ~ Fault
- Soil sample location
- x Rock sample location



JJ I-10 AND ASH I-10 PROPERTY

GEOLOGY MAP

Aurum Geological Consultants Inc.

Scale:

Drawn by: H.D.P.

Date: 86/09/07

Figure: 3

The leucogranite consists of quartz, orthoclase and plagioclase with very minor mafics, it outcrops on the large northwest trending buttress covered by the JJ 1-10 claims. The leucogranite has graphic to coarsely crystalline texture and contains aplite, coarse quartz-orthoclase pegmatite and some mafic differentiates. Alteration is generally weak to absent.

On the northeast side of the JJ claims, across the valley, granodiorite outcrops on cliff faces. The rocks show evidence of faulting and shearing with pyrite limonite gossans and chlorite altered mafic minerals. A number of andesite and diabase dykes cut the granodiorite commonly on south to southeast trends. Localized near these dykes are a number of quartz veins with galena and pyrite. The veins are thin (0.50 m) and have a strike length of 5 to 20 meters. The structures, they are localized along, appear to strike accross the valley into the JJ 7-9 claims.

A body of hornblende granodiorite outcrops on the ASH 3 claim. Parts of this intrusion contain up to 30% hornblende, often showing flow lineations.

Just off the southeast side of the ASH 1 claim, possibly on the KID 188 or 186 claims, a large 5.0 m wide rusty quartz vein outcrops on steep cliffs. The vein contains pods of galena + pyrite + chalcopyrite with traces of molybdenum. The vein strikes approximately 040° and areas of vein float in glacial overburden where noted on the valley floor. Where they cross onto the ASH 2 claim.

Large areas on the property are covered with overburden and glacial debris and active rock glaciers are found on the floors of the higher hanging valleys.

GEOCHEMISTRY

A total of 22 soil samples and 7 rock samples were collected for geochemical analyses. Samples were shipped to Bondar & Clegg Laboratories Ltd. and analysed for Au, Ag, As, Pb, Zn, and Sb. The specific analytical techniques are listed on the lab reports in Appendix 1.

A line of soil samples was run below cliff outcrops on the northeast side of the JJ claims. This area was sampled because it showed the strongest alteration and structure. A number of these samples were collected outside the JJ claims and actually lie on parts of the Island Claim Group, owned by Island Mining Inc.

Other samples collected on the JJ and ASH claims are plotted on the geology map Figure 3. All sample results are listed in Appendix 1.

Soil sample DDS-013 returned 840 ppb Au, 21.0 ppm Ag and elevated values for Pb, Zn and As. Vein quartz + galena + pyrite samples on cliffs above this soil sample returned 2000, 960 and 480 ppb Au. With elevated values in all other elements except Sb which is at background levels.

Other geochemical rock and soil samples on the property returned background values for most elements with a few elevated silver values in soils.

CONCLUSION & RECOMMENDATIONS

Mapping and geochemical sampling on the JJ and ASH claims and surrounding area indicates the presence of gold bearing polymetallic quartz veins within granodiorite host rocks. Presently the exposed veins have limited strike length.

Based on property work to date, the geochemical results are encouraging and follow-up work on the claim block is recommended.

This work should consist of more detailed mapping and sampling on the exposed veins and soil sampling in drift covered areas over the assumed strike extension of the vein bearing structures.

STATEMENT OF COSTS

Personnel:

A. Doherty 2.5 days @ \$250.00/day	\$	625.00
T. Garagan 1 day @ \$250.00/day		250.00
D. David 1 day @ \$105.00/day		105.00

Transportation:

1 day - 4 wheel drive & fuel	45.00
Hughes 500 D helicopter 0.6 hrs. @ \$530.00/hour	318.00

Geochemistry:

22 soil samples @ \$20.00/sample	440.00
7 Rock Samples @ \$20.00/sample	140.00

Meals & Accomodations:

3 man days	136.54
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Drafting, Typing Reprographics:

	<u>60.00</u>
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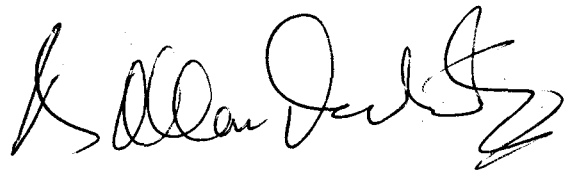
TOTAL

\$	<u>2,119.54</u>
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STATEMENT OF QUALIFICATIONS

I, R. ALLAN DOHERTY, hereby certify that:

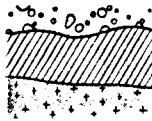
1. I am a geologist with AURUM GEOLOGICAL CONSULTANTS INC. of 1614 - 675 West Hastings Street, Vancouver, BC.
2. I am a graduate of the University of New Brunswick with a degree in Geology (Honours B.Sc. 1977) and have completed three years of graduate student at Memorial University. I have been involved in mineral exploration in the Yukon, Northwest Territories and British Columbia since 1980.
3. I am a member of the CIMM.
4. I have no interest or ownership in the claims discussed in this report nor do expect to obtain any.
5. I am the author of this report on the JJ 1-10 and ASH 1-10 Claims and participated in the field work described in this report.



R. Allan Doherty, B.Sc.
August 30, 1986

APPENDIX I

Analytical Results



REPORT: 126-3810 (COMPLETE)

REFERENCE INFO:

CLIENT: AURUM GEOLOGICAL CONSULTANTS INC.

SUBMITTED BY: A. DOHERTY

PROJECT: 85/ABH86

DATE PRINTED: 4-SEP-86

ORDER	ELEMENT	NUMBER OF ANALYSES	LOWER DETECTION LIMIT	EXTRACTION	METHOD
1	PB LEAD	29	2 PPM	HNO3-HCL HOT EXTR	ATOMIC ABSORPTION
2	ZN ZINC	29	1 PPM	HNO3-HCL HOT EXTR	ATOMIC ABSORPTION
3	AG SILVER	29	0.2 PPM	HNO3-HCL HOT EXTR	ATOMIC ABSORPTION
4	AS ARSENIC	29	2 PPM	NITRIC PERCHLOR DIG	COLORIMETRIC
5	AU GOLD - FIRE ASSAY	29	5 PPB	FIRE-ASSAY	FIRE ASSAY AA
6	SB ANTIMONY	29	2 PPM		X-RAY FLUORESCENCE

SAMPLE TYPES	NUMBER	SIZE FRACTIONS	NUMBER	SAMPLE PREPARATIONS	NUMBER
S SOILS	22	1 -80	22	DRY, SEIVE -80	22
R ROCK OR BED ROCK	7	2 -150	7	CRUSH, PULVERIZE -150	7

REMARKS: BCC WHSE 46-269

REPORT COPIES TO: MR. ALLAN DOHERTY

INVOICE TO: MR. ALLAN DOHERTY



REPORT: 126-3810

PROJECT: J5/ASH06

PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	FE PPH	ZN PPM	AG PPM	AS PPM	AI PPM	SR PPM
S1 ASH T-S1		14	67	1.2	20	<5	<2
S1 ASH T-S2		15	62	0.2	4	<5	<2
S1 ASH T-S3		22	77	0.2	3	<5	<2
S1 DUS-001		30	90	<0.2	6	5	<2
S1 DUS-002		16	66	<0.2	3	<5	<2
S1 DUS-003		22	80	<0.2	6	<5	<2
S1 DUS-004		27	96	<0.2	4	<5	<2
S1 DUS-005		26	81	<0.2	8	<5	<2
S1 DUS-006		20	86	<0.2	4	<5	<2
S1 DUS-007		22	92	<0.2	6	<5	<2
S1 DUS-008		24	82	<0.2	8	<5	<2
S1 DUS-009		39	107	<0.2	25	<5	<2
S1 DUS-010		33	95	0.2	24	<5	<2
S1 DUS-011		42	104	0.4	28	<5	<2
S1 DUS-012		410	480	2.9	400	20	<2
S1 DUS-013		4500	1550	21.0	>1000	840	<2
S1 DUS-014		104	126	0.8	45	15	<2
S1 DUS-015		34	81	<0.2	18	40	<2
S1 DUS-016		25	68	<0.2	6	10	<2
S1 DUS-017		28	85	0.2	6	<5	<2
S1 DUS-018		440	420	2.8	250	<5	3
S1 DUS-019		39	73	0.2	7	5	<2
R2 86-20-01		760	760	5.2	600	18	9
R2 86-20-02		>10000	530	>50.0	>1000	2000	16
R2 86-20-03		6000	2900	47.0	>1000	960	3
R2 86-20-04		>10000	3500	>50.0	>1000	480	21
R2 ASH T-1		280	22	14.0	78	<5	27
R2 ASH T-2		128	15	1.5	77	5	4
R2 0901		192	52	2.3	190	25	<2