MAP NO.:	**ASSESSMENT REPORT** X **PROSPECTUS** **CONFIDENTIAL** X **OPEN FILE**	**DOCUMENT NO:** **MINING DISTRICT:** **TYPE OF WORK:**	092599 Whitehorse Geochemical, Trenching

REPORT FILED UNDER: Aurum Geological Consultants Inc.

DATE PERFORMED: 8-19 Aug., 15-21 Oct. 1987 **DATE FILED:** 22 Dec. 1988

LOCATION: **LAT.:** 62 06'N **AREA:** Mt. Nansen

LONG.: 137 00'W **VALUE $:** 27 100.00

CLAIM NAME & NO.: ROBERT 1-54 (YA93689-742); ROBERT 55-72 (YA94679-96);
JS 1-152 (YA94458-609); NULEE 1-126(YA94697-822);
MOON 1-4 (YA96510-13)

WORK DONE BY: R.W. Hulstein

WORK DONE FOR: G.F. Dickson

DATE TO GOOD STANDING:

REMARKS: ROBERT #95 Gold-bearing quartz float occurs in 5 zones. In 1988, the zones of interest were evaluated by stripping, trenching mapping and geochemical sampling. Prospecting turned up a new area of high grade float, the Montgomery Creek zone, with samples returning up to 15.65 g/t Au.

MAP No. -115 I 2/3	ASSESSMENT REPORT [X] PROSPECTUS [X] CONFIDENTIAL [X] OPEN FILE [ ]	DOCUMENT NO.: 092599 MINING DISTRICT: Whitehorse TYPE OF WORK: Geochemical, Trenching
REPORT FILED UNDER: ~~G. F.~~ Aurum Geological Consultants Inc.		
DATE PERFORMED: 8-19 Aug, 15-21 Oct. 1987		DATE FILED: 22 Dec. 1988
LOCATION	LAT. 62 06'N	AREA: Mt Nansen
	LONG. 137 00'W	VALUE $ 27 100.00
CLAIM NAME & NO. Robert 1-54 YA 93689-742; ROBERT 55-72 YA 94679-96; JS 1-152 YA 94458-609; NULEE 1-126 YA 94697-822; MOON 1-4 YA 96510-13		
WORK DONE BY: R. W. Hulstein		
WORK DONE FOR: G. F. Dickson		

DATE TO GOOD STANDING

REMARKS: [illegible] ROBERT #95

~~Gold-bearing quartz float occurs in three zones.~~ Gold-bearing quartz float occurs in 5 zones. In 1988, [illegible] ~~zone and~~ [illegible] ~~Trenches cutting the~~ the zones of interest were evaluated by stripping, trenching, mapping and geochemical sampling. Prospecting turned up a new area of high grade float, the Montgomery Creek zone, with samples returning up to 15.65 g/t Au

Indian and Northern Affairs Canada | Affaires indiennes et du Nord Canada

092599

M.R. file no.
R.M.M.R. file no.
Date forwarded 30 DECEMBER 1988

TRANSMITTAL FORM

From ▶ Mining Recorder at: WHitehorse Yukon

To ▶ Regional Manager, Mineral Rights at Whitehorse, Y.T.

For action are:

☐ NEW APPLICATION FOR PLACER LEASE TO PROSPECT	Name		
☐ RENEWAL APPLICATION PLACER LEASE TO PROSPECT	Name	Lease no.	
☐ AFFIDAVIT OF EXPENDITURE ON PLACER LEASE	Name	Lease no.	
☐ SECURITY DEPOSIT			
☐ FINANCIAL ABILITY			
☐ ASSIGNMENT OF PLACER LEASE NO.	From	To	
☐ GROUPING APPLICATION UNDER SEC. 52(2) PLACER MINING ACT.	Owner		
☐ DIAMOND DRILL LOGS	Claims Robert 1-54 YA93689-742 Robert 55-72 YA94679-696	Claim sheet no.	
☑ QUARTZ ASSESSMENT REPORT	Claims [illegible]S. 1-152 YA94458-609 Nulea 1-126 YA94[illegible]-52[illegible]	Claim sheet no.	
	Type of report Geological + Geochemical	Submitted by Aurum Geo Cons/t.	
	Cls. work performed on see above.	$ req. for ren. application 27,100	

OFFICE OF THE REGIONAL MANAGER MINERAL [illegible] DEC 30 1988 WHITEHORSE YUKON TERRITORY

[signature]
Signature

Date returned 3 Jan. 1988

REPLY ACTION

Approved for amount required

[signature]
Signature

802-6027-26 (6-86)

REPORT ON THE 1988 GEOLOGICAL AND GEOCHEMICAL ASSESSSMENT WORK ON THE McDADE PROPERTY

Whitehorse M.D., Yukon Territory
August 9-19, 1988

Claims:	Robert 1-54	(YA93689-742)
	Robert 55-72	(YA94679-696)
	JS 1-152	(YA94458-609)
	Nulee 1-126	(YA94697-822)
	Moon 1-4	(YA96510-513)

Location:
1. 185 km NW of Whitehorse, Yukon
2. NTS 115I/2 & 3
3. Latitude 62° 06′ N
   Longitude 137° 00′ W

For:
Mr. Gordon F. Dickson
P.O. Box 4940
Whitehorse, Yukon
Y1A 4S2
(403) 667-7059

By:
Roger W. Hulstein, B.Sc.
Aurum Geological Consultants Inc.
604-675 West Hastings Street
Vancouver, B.C.
V6B 1N2

October 28, 1988

092599

This report has been examined by the Geological Evaluation Unit under Section 53 (4) Yukon Quartz Mining Act and is allowed as representation work in the amount of $ 27 100.00.

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

SUMMARY

The McDade property consists of 354 contiguous mineral claims in the Dawson Range Gold Belt, Yukon. It is accessible by road from Carmacks. The claims became an attractive exploration target in 1985 when potential bulk-mineable heap-leachable gold deposits were recognized in the area and further work on local lode deposits returned encouraging results.

The current work program consisted of geological mapping, geochemical sampling, and trenching on targets located through exploration work carried out in 1986 and 1987.

Underlain mainly by Paleozoic metamorphic rocks, a Jurassic and two separate Cretaceous to Tertiary intrusive/volcanic events have been mapped on the unglaciated claims.

Three zones of mineralization have been identified to date on the McDade property; (1) gold up to 0.255 opt (8740 ppb) in rusty weathering fractured quartz float at the **Bear Zone**, (2) gold up to 0.457 opt (15650 ppb) in quartz-sulphide boulders on the **Montgomery Creek Zone,** and (3) quartz-chalcedony-stibnite breccia vein-type mineralization carrying up to 0.028 opt gold at the **Lee Zone**. No bedrock is exposed at the above occurences although in the case of the **Bear Zone** the gold bearing float occurs within a coincident silver, antimony, and arsenic soil anomaly, and at the **Lee Zone** there is a large antimony anomaly.

Two additional areas anomalous in gold, silver, arsenic and antimony have been identified. These are; (1) gold (up to 0.022 opt) in lithic-quartz-chalcedony breccias at the **Wind Zone**, and (2) the **Red Trench Zone** has returned anomalous mercury and arsenic values from a clay gouge zone. Anomalous gold values have been found in stream sediments and soil samples adjacent to known mineralization, as well as in areas of no known mineralization, indicating more mineralization remains to be found.

Based on the 1988 results, continued exploration consisting of diamond drilling, trenching, geological mapping, and geochemical sampling is warranted and recommended.

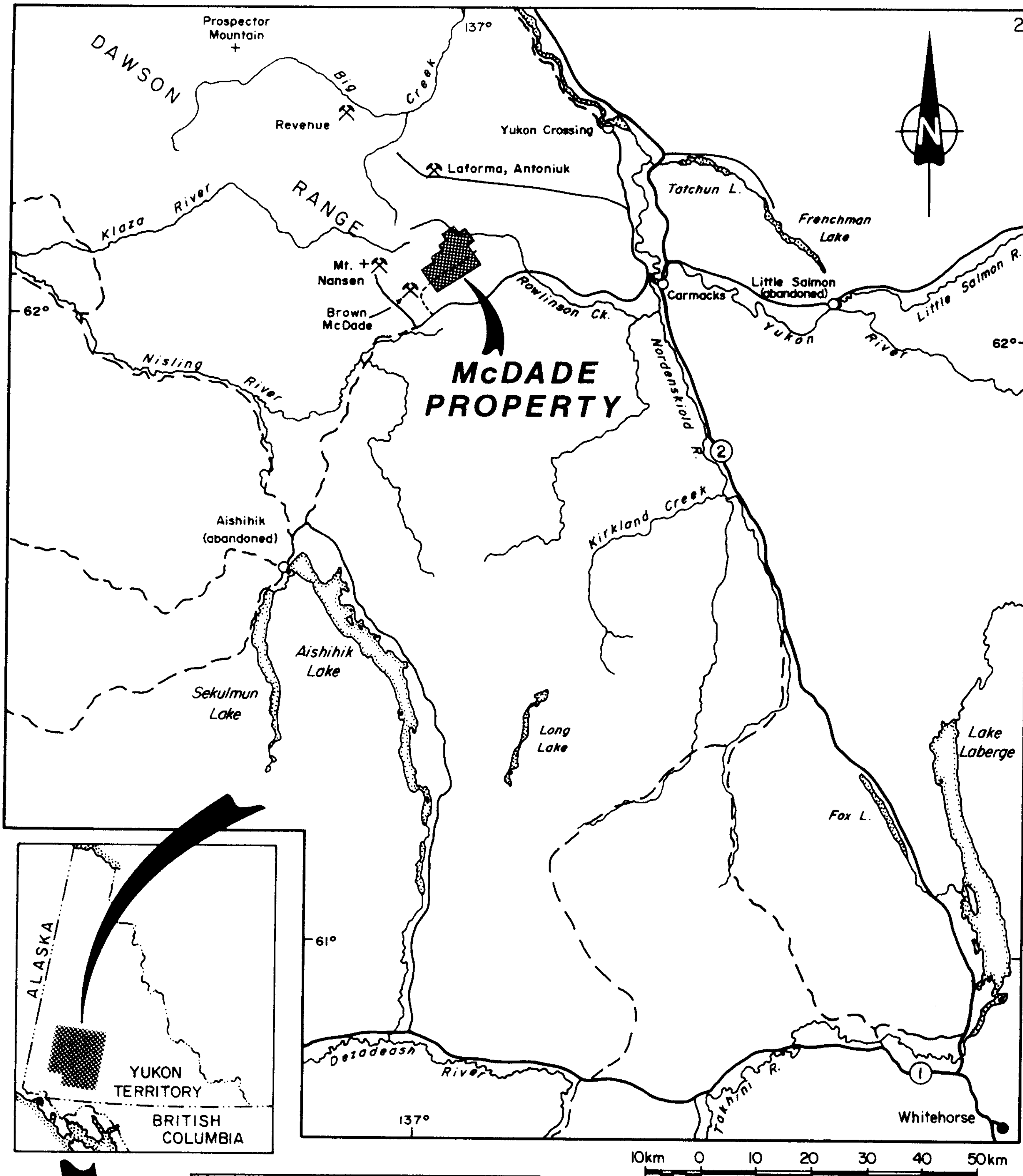
TABLE OF CONTENTS

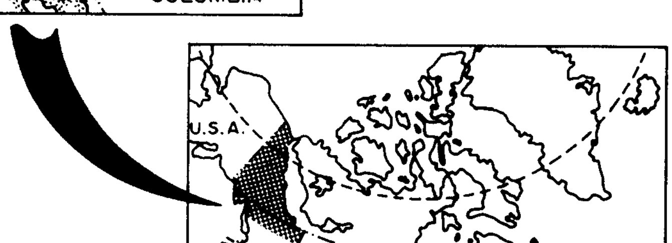
INTRODUCTION

This report was prepared at the request of Mr. Gordon Dickson, owner of the McDade Property. Its purpose is to summarize the economic potential of the **Robert 1-72, Moon 1-4, JS 1-152,** and **Nulee 1-126** mineral claims through a description of exploration work carried out during 1988.

The claims are located about 185 kilometers northwest of Whitehorse, Yukon (Figure 1) in the Dawson Range Gold Belt, and are accessible by road.

Exploration work completed in 1988 consisted of geological mapping and geochemical sampling for the purpose of locating gold deposits. This work was carried out by Roger Hulstein, B.Sc. and Brian Sauer of Aurum Geological Consultants Inc. preferentially on the **JS** and **Robert** claim groups during the period August 9 to 19, 1988. Trenching was performed by Mr. Gordon Dickson at the **Bear Zone** on the JS claim group using a Caterpillar D3B bulldozer with backhoe attachment.





McDADE PROPERTY			
LOCATION			
Aurum Geological Consultants Inc.		OCTOBER 1988	
Drawn by N.H.	Checked by H.K.	Scale 1:1,000,000	FIGURE 1

LOCATION AND ACCESS

The McDade Property is located in southwestern Yukon, about 36 kilometers west of Carmacks. The geographic coordinates of a point approximately in the center of the property are 62° 06′ north latitude and 137° 00′ west longitude.

Access is by a good gravel road leading from Carmacks to the Mt. Nansen area, as far as Victoria Creek. A trail suitable for track-type or ATC-type vehicles then follows Victoria Creek and onto several parts of the property. The main portion of this trail is part of the old Mt. Nansen-Mt. Freegold trail which traverses northeasterly across the entire claim group.

Alternatively, helicopters are available for charter at Carmacks and Whitehorse.

HISTORY

Mining history in the area of the McDade Property began in the early 1900's with the discovery and production of placer gold at Nansen and Victoria Creeks. Subsequent prospecting, in part by Mr. Gordon Dickson, in the 1930's to 1960's culminated in the discovery of numerous gold and silver vein-type occurrences. Placer gold has been a good indicator of lode deposits. The most important of these are:

Name	Tonnes	Au opt	Ag opt	Source
Laforma	198,000	0.32	?	2
Brown-McDade	800,000	0.23	1.5	1
Huestis	94,503	0.40	8.25	1
Webber	65,511	0.31	17.50	1
Tinta Hill	516,000	0.12	6.4	2

1. B.Y.G. Natural Resources Inc., Aug. 24, 1988 Progress Report
2. Carlson, 1987

Laforma operated in 1965-66 and Mount Nansen in 1968-69 and 1975-76. Several companies (e.g., Noranda Exploration Company Limited, Nordac Mining Corporation, Doron Exploration Inc.) are currently developing and exploring for vein type gold-silver deposits. Although there are at present no producing mines in the area, there is currently considerable exploration interest toward potential bulk-mineable heap-leachable Au-Ag deposits in what is now known as the Dawson Range Gold Belt. Companies currently evaluating this potential include Archer-Cathro and Associates (1981) Limited, Chevron Canada Resources Ltd. and Kerr Addison Mines Ltd., active since 1985. Published reserves of these deposits include:

Name	Tonnes	Au opt	Ag opt	Source
Antoniuk	4,097,000	0.033	?	1
Casino	176,000,000	0.011	?	2

1. Nordac Mining Corporation, Dec. 1986 News Release.
2. Eaton and Main 1986

Parts of the ground now covered by the McDade Property have been previously staked as evidenced by old claim posts. Except for a porphyry copper geochemical exploration program described by Deighton (1974), there is no written record of exploration programs or mineral discoveries prior to staking of the current claims. Old trenches and placer workings have been located in several areas, but their history is unknown. Seasonally active placer gold production occurs along several sections of Victoria Creek. Placer deposits have apparently also been evaluated at Montgomery Creek, Victoria Creek, McDade Creek, and Lee Creek.

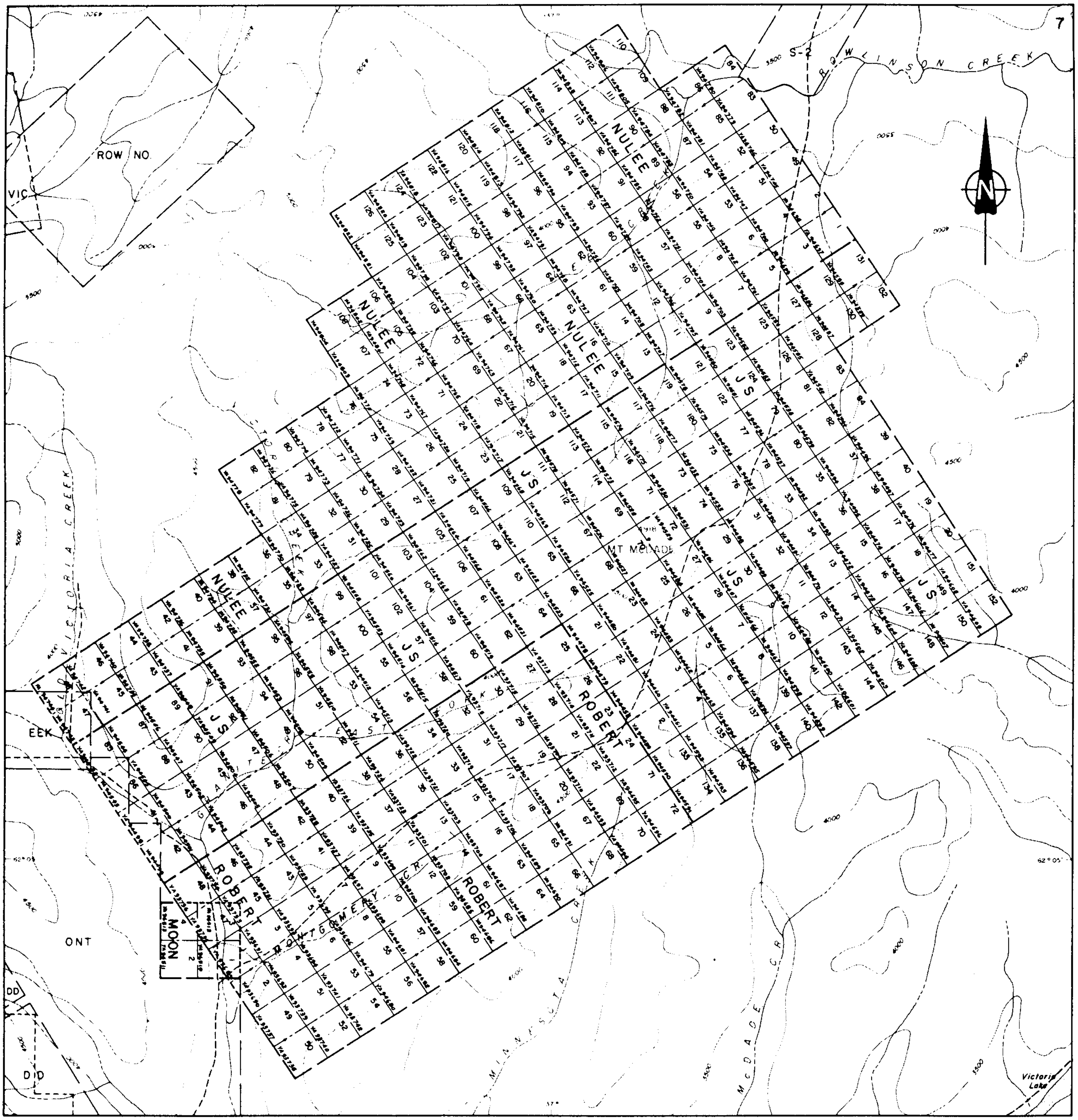
The present property owner, Mr. Gordon Dickson, discovered and staked antimony-bearing float at what is now called the **Lee Zone** in 1973. No work was completed and the claims were allowed to lapse. The present ground was acquired by staking in 1985-1986. Work carried out by Mr. Gordon Dickson and Aurum Geological Consultants Inc. during the 1986 and 1987 field seasons is summed up in reports by Keyser (1987) and Hulstein & Keyser (1988) to whom the reader is referred for background information.

PROPERTY

The property consists of 354 two-post unsurveyed mineral claims (Figure 2) staked under the Yukon Quartz Mining Act totaling approximately 7300 hectares (18,100 acres). Claim data are as follows:

Claim Name	Grant No.'s	Recording Date	Expiry Date
Robert 1-54	YA93689-742	Sept. 26, 1985	See Appendix
Robert 55-72	YA94679-696	May 30, 1986	See Appendix
JS 1-40	YA94458-497	May 21, 1986	See Appendix
JS 41-152	YA94498-609	May 22, 1986	See Appendix
Nulee 1-126	YA94697-822	May 30, 1986	See Appendix
Moon 1-4	YA96510-513	Nov. 6, 1986	See Appendix

The claims are owned 100% by Mr. Gordon F. Dickson and are shown on Yukon Quartz and Placer Sheets 115 I-2 and I-3. They are known collectively as the McDade Property, after Mr. George McDade who prospected in the area in the 1930's and 1940's. When encountered during the exploration program, claim posts were observed to be properly tagged and otherwise exceptionally well staked.



1km. 0 1 2km.

1mi. 0 1mi.

LEGEND

- 63 claim boundary / claim number / tag number
- gravel road
- creeks
- 4000 elevation contour ; interval 500 ft

Notes - adapted from D.I.A.N.D. claim sheets 115 I - 2 & 3
- all locations subject to survey

McDADE PROPERTY

CLAIM LOCATION

Aurum Geological Consultants Inc.		OCTOBER 1988	
NTS 115 I-2 & 3	Drawn by N.H.	Scale 1: 63,360	FIGURE 2

CLIMATE, TOPOGRAPHY AND VEGETATION

The climate in the area of the McDade Property is variable with hot summers and long, cold winters. Because the area lies in the rain shadow of the St. Elias Mountains, precipitation amounts to approximately 25 cm (10 inches) annually. Eaton and Main (1986) report that climatic conditions are suitable for seasonal heap leach mining.

Situated in the southeastern end of the unglaciated (Bostock 1936) Dawson Range, topography is moderate and is characterized by well developed dendritic drainages separated by broad grass covered ridges. Elevations on the property range from 1040 m (3400 ft) in Rowlinson and Victoria Creek valleys to 1500 m (4918 ft) at Mt. McDade.

Vegetation is characterized by sparse stunted spruce and balsam, with thick shrubs locally known as buckbrush at lower elevations, and alpine grasses and tundra at higher elevations.

Sufficient water sources are available for any exploration or mining requirement.

Permafrost is present throughout, reaching a depth of up to 50 meters (Saager and Bianconi 1971).

GEOLOGY

Regional Geology

The McDade Property is situated at the northeastern margin of the Yukon Crystalline Terrane. Bostock (1936), Tempelman-Kluit (1984) and Carlson (1987) have adequately described the regional geology.

The oldest rocks exposed in the Dawson Range Gold Belt are Paleozoic (or older ?) Yukon Crystalline Terrane schists and gneisses that correlate with Tempelman-Kluit's (1984) Pelly Gneiss Complex. Foliated granitoids of the Klotassin and Freegold suites intruded the Yukon Crystalline Terrane during the Early Jurassic metamorphic and plutonic event. Cretaceous to Paleocene rocks of the region comprise two major plutonic-volcanic events: (1) the Cretaceous Mount Nansen event includes the Dawson Range Batholith, Casino Granodiorite, Coffee Creek Granite, and the Mount Nansen intermediate to felsic volcanic suite, and (2) the late Cretaceous to Paleocene Carmacks event represented by subvolcanic and volcanic mafic to felsic rocks that intrude or unconformably overlie all other units. The Cretaceous to Paleocene Carmacks intrusives and volcanics have a close spatial relationship with the older granitoids and a spatial-temporal relationship with known mineralization. Numerous plugs, dikes, and flows of the Mount Nansen and Carmacks Suites have been mapped on the property.

Structure is dominated by northwest trending faults. The Big Creek Fault, mapped 5 km northeast of the property, forms the boundary between the Yukon Cataclastic Complex to the northeast and the Yukon Crystalline Complex to the southwest. This fault is thought to be a normal fault, southeast side down, formed as a collapse or graben structure in response to extensive Mount Nansen volcanism (Tempelman-Kluit, personal communication 1987). Major northwest trending structures such as the Big Creek Fault and related structures were important in localizing igneous activity (in particular felsic magmas), providing structures for plumbing systems, and openings for ore deposition (Carlson 1987). The Big Creek Fault closely coincides with the trend of many gold and silver occurrences in the Dawson Range Gold Belt.

Overburden consists of residual soil and local alluvium covered by a layer of Recent volcanic ash ranging up to 1 meter in thickness, blanketing all bedrock except at some ridge crests. Bedrock can be oxidized and weathered to depths reaching 75 meters.

Geology of the McDade Property

Property geology (Figure 3) is much more complex than that described under regional geology. Rock outcrops are scarce and deeply weathered, owing to the pre-Quaternary weathered surface that escaped Pleistocene glaciation. Bedrock exposures are generally restricted to ridge crests underlain by resistive-weathering unaltered lithologies.

Metamorphic rocks (map unit **Pm**) of the Yukon Crystalline Terrane comprised of intercalated quartzite, mica schist, and local amphibolite are the oldest and most commonly exposed lithology on the McDade Property. These rocks are thought to be part of the Pelly Gneiss Complex and would therefore be Paleozoic(?) in age (Tempelman-Kluit 1984).

Equigranular granodiorite, monzonite, and syenite (Map unit **Jgd**) of the Klotassin and Freegold Suites have been mapped at several locations as intruding the metamorphic rocks. The granodiorite is referred to as the Big Creek Syenite by Tempelman-Kluit (1984). These intrusives are weak to moderately foliated and local pink K-feldspar rich varieties may be porphyritic. Hornblende and biotite are present in approximately equal amounts and both typically exhibit variable chloritization.

Cretaceous to Paleocene volcanic rocks consisting of andesite (map unit **KMNa**), rhyolite, and dacite (map unit **KMNr**) occur as isolated plugs and flows over a wide area. Propylitic alteration is prominent in the andesite and argillic alteration present in the rhyolite, though sometimes difficult to identify because of weathering. Although there was no evidence whatsoever found for the three rhyolite outliers mapped by Tempelman-Kluit (1984) in the central portion of the property, rhyolite outcrops, felsenmeer and scree were found in other areas. Mineralization located to date invariably occurs near or adjacent to rhyolite or andesite.

A northeast trending Cretaceous diorite dike (map unit Kgd) has been mapped near the summit of Mt. McDade. It weathers dark brown and is predominantly composed of medium to coarse grained plagioclase and varying amounts of hornblende (<15%).

Basalt of the Late Cretaceous to Paleocene Carmacks Group (map unit KCb) has been found at or near ridge crests from two separate areas: (1) The **Red Trench Zone** immediately northeast of Mt. McDade; and (2) the east corner of the property (Figure 3). Some sections of the basalt found at the **Red Trench Zone** is highly siliceous, dense and dark colored, and may actually be rhyolitic in composition.

A tabulated geological history of the property and area is given as Table 1.

TABLE 1. Tabulated Geologic History of the McDade Property Area. Relative ages of KMNa and KMNr are uncertain.

Unit	Age*	Event/Lithology
Qs	Quaternary-Tertiary.	Unconsolidated surficial debris/colluvium. Supergene weathering.
KCb	Upper Cretaceous to Paleocene	Carmacks basalt flows; basal rhyolite unit.
KMNr,a Kgd	Mid Cretaceous	Mount Nansen Group hypabyssal rhyolitic to andesitic plugs, breccias, and flows, emplacement of granitoid batholiths. Contemporaneous faulting and mineralization (?).
Jgd	Jurassic	Folding, faulting, metamorphism, emplacement of granodiorite plutons.
Pm	Paleozoic	Deposition of sedimentary and volcanic rocks on unknown basement. Possible plutonism.

* modified from Tempelman-Kluit 1984, Carlson 1987, and Lowey et al 1986.

MINERALIZATION AND TRENCHING

There is no record of previous mineral discoveries on the McDade property. Although the ground was prospected previously for copper and antimony, there apparently has been no detailed exploration specifically for precious metals until the present owner initiated a systematic bulldozer trenching program in 1986.

McInnes et al (1987) state, "The association of gold-bearing quartz veins and porphyry copper deposits with felsic intrusion of Late Cretaceous age in the Freegold Mountain, Mount Nansen and Casino areas suggests that a regional volcanogenic-metallogetic event occurred in the Dawson Range." Most gold discoveries (e.g. Brown-McDade, Laforma) are epithermal or mesothermal vein-type occurrences, and current exploration is toward both low-grade large-tonnage gold mineralization partly in leached caps overlying known porphyry copper deposits (Eaton and Main 1986), and vein-type deposits. Given ideal conditions, a four million tonne deposit grading 1.7 g/t (0.050 opt) should be economically feasible in the Dawson Range (Eaton and Main 1986).

The 1988 program consisted of further stripping on the **Bear Zone** and examining trenches on the; **Bear**, **Lee**, **Wind**, and **Red Trench Zones**. Anomalous results located during the 1986 program were trenched by Mr. Gordon Dickson im 1987 using a bulldozer and/or an excavator. A new zone, the **Montgomery Creek Zone**, of auriferous quartz-sulphide boulders was discovered in 1988 by prospecting placer workings.

Lee Zone

First discovered in 1973 by Mr. Gordon Dickson, the **Lee Zone** (Figure 4) is characterized by quartz-stibnite-chalcedony-jasperoid breccia boulders, containing up to 10% stibnite, hosted by altered schist and quartzite. There is no outcrop in the area but the distribution of mineralized float follows a north trend.

Results in 1986 returned rock values ranging between 40 to 950 ppb gold while gold values in soil were low (<40 ppb), mercury ranged up to 1820 ppb. Samples of a poorly exposed stibnite-bearing quartz vein returned up to 31,206 ppm antimony with low gold (<47 ppb) and arsenic (<30 ppm) values.

Wallrock alteration appears to consist of variable argillization, bleaching, hematite staining, and minor silicification, though it is difficult to recognize because of supergene weathering and older (?) metamorphism. Vein-type quartz and clay-altered andesite (?) porphyry have been found in the immediate **Lee Zone** area. Rhyolite, dacite, and vein type quartz found 800 meters to the west of the **Lee Zone** (Figure 5) was re-examined in 1988 and found to be anomalous in gold (<158 ppb) and arsenic (<150 ppm).

Wind Zone

The **Wind Zone** is characterized by brecciated quartz-feldspar porphyry intrusions in Paleozoic metamorphic rocks, as indicated from lithologic distributions in trenched overburden (Figure 6). The nearest outcrop is over 1 km away. Rhyolitic and chalcedonic breccias are associated with the porphyry intrusions, along with quartz and chalcedonic veinlets. No sulfide minerals have been identified.

Numerous bulldozer and excavator trenches, plus several shallow (<1 meter deep) prospecting trenches, were completed in 1987 on the **Wind Zone** attempting to locate the source of anomalous stream sediment samples returned in 1986.

Previous rock sampling (Keyser 1987) returned anomalous gold (<740 ppb), arsenic and mercury values while soil samples returned background levels for gold (<35 ppb), silver, lead, arsenic, antimony and mercury. Soil geochemistry in 1988 returned low values for gold (<83 ppb) and silver (<0.5ppm). A sample of rusty weathering brecciated gneiss with siliceous grey patches on the east side of the **Wind Zone** (Figure 5) returned 50 ppb gold, 0.9 ppm silver, 410 ppm arsenic and 140 ppm antimony from an area where soil geochemistry returned anomalous arsenic values (<171 ppm). Two soil samples collected on the road over a prominent lineament 600m north of the **Wind Zone** returned values anomalous in gold (42 ppb) and arsenic (58 ppm).

Bear Zone

The **Bear Zone** (Figure 7) was located and trenched in 1987 while following up on anomalous soil samples (up to 160 ppb) collected in 1986. There is no outcrop in the area. Altered float of granodiorite, rhyolite, andesite and gneiss was found in the trenches.

A sample of rusty fractured quartz float collected in 1988 returned 8740 ppb gold, 57.6 ppm silver, 41 ppm arsenic and 17 ppm antimony. Soil samples collected in 1987 and 1988 returned anomalous gold (up to 820 ppb), arsenic (up to 781 ppm), and silver (<1.2 ppm). A small number of samples analyzed for mercury in 1987 returned less than 60 ppb.

Further followup in 1988 consisted of bulldozer stripping 1250 cubic meters of material over the zone and rock and soil geochemistry. Trenches completed in 1987 were resampled and a small grid for soil geochemistry was established. A total of 112 soil samples and 9 rock samples were collected outlining an anomalous area approximately 300 by 200 meters which is open in all directions.

Red Trench Zone

First trenched and examined in 1986, the **Red Trench Zone** (Figure 8) is named after the dark red hematitic clay-rich soil found there. The nearest outcrop, 100 meters to the north, is of silicified basalt or possibly aphanitic black rhyolite. Trenching exposed an extensive east-west trending clay gouge zone cutting rocks of the Carmacks Group. This zone was not permanently frozen in contrast to the surrounding area and the 6 meter deep trenches filled rapidly with water.

Analysis of jasperoid and chalcedonic rubble found in 1986 returned up to 320 ppb gold. Samples of the clay gouge zone taken in 1987 contained up to 1000 ppb mercury.

A total of 71 soil and 6 rock samples were collected in 1988. Results returned background to low order anomalous values for gold (<56 ppb), silver (<0.6 ppm), arsenic (<228ppm) and antimony (<3 ppm).

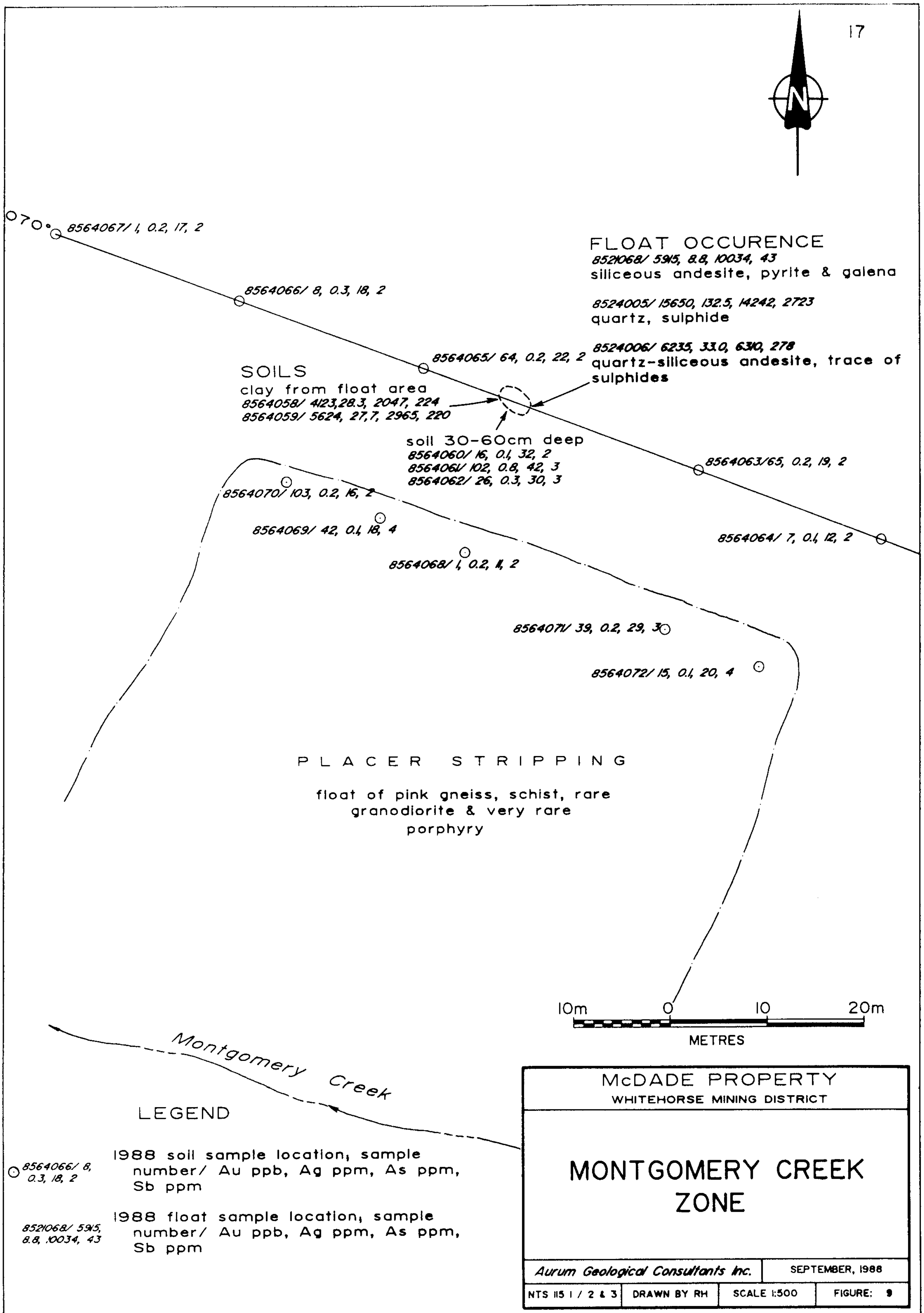
Montgomery Creek Zone

The **Montgomery Creek Zone** (Figure 9) consisting of quartz sulphide float was found by Mr. B. Sauer in 1988 while prospecting placer trenches adjacent to Montgomery Creek. The fresh appearing grey silicified andesite and quartz contains up to 15% disseminated pyrite, and trace to 1% fine grained galena & arsenopyrite. Three samples of this float returned between 5915 ppb (low sulphide content) and 15650 ppb (high sulphide content) gold with a strong correlation between gold and sulphide content. Silver values ranged from 8.8 to 132.5 ppm and displayed a similar correlation with sulphide content. Arsenic and antimony were also strongly anomalous with values up to 14242 ppm and 2723 ppm respectively. The quartz sulphide float was found in low mounds (<0.3m) of clay-rich soil that returned strongly anomalous values for gold (<5624 ppb), silver (<28.7 ppm), arsenic (<2965 ppm), and antimony (<224 ppm).

The source of the float, found above the A0 horizon, could not be located in the swampy terrain devoid of outcrop or felsenmeer. Soil samples 0.3 to 0.5 meters deep located in the same area as the quartz sulphide float returned low values. Ten soil samples taken in the immediate vicinity returned weakly to moderately anomalous values for gold (<103 ppb), silver (<0.3 ppm), arsenic (<29 ppm) and, antimony (<4ppm). As the area was disturbed by placer miners, the possibility that the anomalous clay and rock was somehow transported by a bulldozer should not be overlooked.

Other Trenching and Mineralization

The **Victoria Creek Zone** (Figure 3) was trenched by Mr. Gordon Dickson in 1987 while conducting followup on


N
070°
8564067/ 1, 0.2, 17, 2
8564066/ 8, 0.3, 18, 2
8564065/ 64, 0.2, 22, 2
8564063/65, 0.2, 19, 2
8564064/ 7, 0.1, 12, 2
FLOAT OCCURENCE
8521068/ 5915, 8.8, 10034, 43
siliceous andesite, pyrite & galena
8524005/ 15650, 132.5, 14242, 2723
quartz, sulphide
8524006/ 6235, 33.0, 6310, 278
quartz-siliceous andesite, trace of sulphides
SOILS
clay from float area
8564058/ 4123,28.3, 2047, 224
8564059/ 5624, 27,7, 2965, 220
soil 30-60cm deep
8564060/ 16, 0.1, 32, 2
8564061/ 102, 0.8, 42, 3
8564062/ 26, 0.3, 30, 3
8564070/ 103, 0.2, 16, 2
8564069/ 42, 0.1, 18, 4
8564068/ 1, 0.2, 11, 2
8564071/ 39, 0.2, 29, 3
8564072/ 15, 0.1, 20, 4
PLACER STRIPPING
float of pink gneiss, schist, rare granodiorite & very rare porphyry
10m 0 10 20m
METRES
Montgomery Creek
LEGEND
8564066/ 8, 0.3, 18, 2
1988 soil sample location, sample number/ Au ppb, Ag ppm, As ppm, Sb ppm
8521068/ 5915, 8.8, 10034, 43
1988 float sample location, sample number/ Au ppb, Ag ppm, As ppm, Sb ppm
McDADE PROPERTY
WHITEHORSE MINING DISTRICT
MONTGOMERY CREEK ZONE
Aurum Geological Consultants Inc.
SEPTEMBER, 1988
NTS 115 I / 2 & 3
DRAWN BY RH
SCALE 1:500
FIGURE: 9

anomalous soil samples collected in 1986 that returned up to 100 ppb gold. Trenching revealed unaltered to argillically altered felsenmeer of Mount Nansen Group rhyolite, dacite, and Jurassic granodiorite. A three meter wide northeast trending shear or fault zone crosscuts rhyolite and granodiorite outcropping in a trench.

Trenching in 1987 on the ridge above and to the south of the **Victoria Creek Zone** returned background values for gold and silver from a rhyolite dyke cutting granodiorite similar in appearance to the rhyolite plug located in the south corner of the property.

Trenching on the **Number 26 Zone** (Figure 3) and east of the zone (Trenches #19, 20, & 21) in 1987 was based on anomalous soil samples (up to 230 ppb gold) returned in 1986. Crackle brecciated float of andesite and possibly rhyolite was found in the trenches. Outcrop is not found in the area.

Due to low analytical results returned in 1987 no work was carried out on the **Victoria Creek** or **Number 26 Zones** in 1988.

Trenches located in the southern corner of the property (Figure 3) were completed in 1987 over a porphyritic rhyolite plug. Felsenmeer of unaltered rhyolite was found in the upper area and float of schist and gneiss in the lower portion. The presumed contact between the metasediments and rhyolite is obscured by a zone of clay and mud. Samples from the trenches prior to 1987 returned low values for gold (<70 ppb) and silver (<1.0 ppm). Soil samples collected in 1988 on the south side of the rhyolite plug (Figure 5) returned up to 94 ppb gold.

Old bulldozer trenches were located in 1986 at several areas on the McDade property, especially at the northern and southern corners. Although the original targets of these trenches is unknown, minor copper (?) mineralization has been identified at the trenches near Rowlinson Creek.

GEOCHEMISTRY

A total of 697 samples (599 soil, 35 stream sediment, and 63 rock) were collected during the 1988 exploration program on the McDade property. Geochemical analyses were made for total gold, silver, arsenic, antimony, lead, zinc, copper, uranium, and barium content; and an additional 21 elements. The analytical work was performed by Acme Analytical Laboratories Ltd. of Vancouver, B.C. using industry accepted methods described in the Appendix to this report. Results are shown on Figure 4.

Sixty-two rock samples from float and one from bedrock were taken of altered, veined, and/or mineralized material. Bedrock source of float rock samples is assumed to be very close to the sample site due to the lack of glaciation. Soil samples were taken from B and C soil horizons from the surface or in 0.5 to 4.0 m deep trenches.

Based on the large number of soil samples collected in the Mount Nansen area, Archer Cathro & Associates Ltd. reported to Mr. G. Dickson the following range of values considered background to strongly anomalous (G. Dickson pers comm.)

Element	**Background Value**	**Weakly Anomalous**	**Moderately Anomalous**	**Strongly Anomalous**
Au (ppb)	5	25	50	100
Ag (ppm)	0.2	1	2	4
As (ppm)	30	100	200	400

The above values are consistent with results from the McDade Property. Keyser (1987) gives a background value of 4.0 ppm for antimony based on 446 samples.

Soil Samples

Gold values in soil range from 1 to 820 ppb. Strongly anomalous values (>100ppb gold) are clustered at the **Bear Zone.** Float of quartz feldspar porphyry, dacite, altered and mineralized granodiorite, and quartz has been found here.

The **Bear** and **Red Trench** Zones have arsenic values ranging from 3 to 781 ppm with a coincident mercury anomaly (up to 1000 ppb) occurring at the **Red Trench Zone** in clay gouge (Keyser & Hulstein 1988). Samples from the **Lee Zone** returned up to 188 ppm antimony in an area of known mineralization.

In the southern corner of the property, numerous isolated moderately anomalous values (>50 ppb gold) were obtained on soil lines with sample intervals greater than 50 meters.

Rock Samples

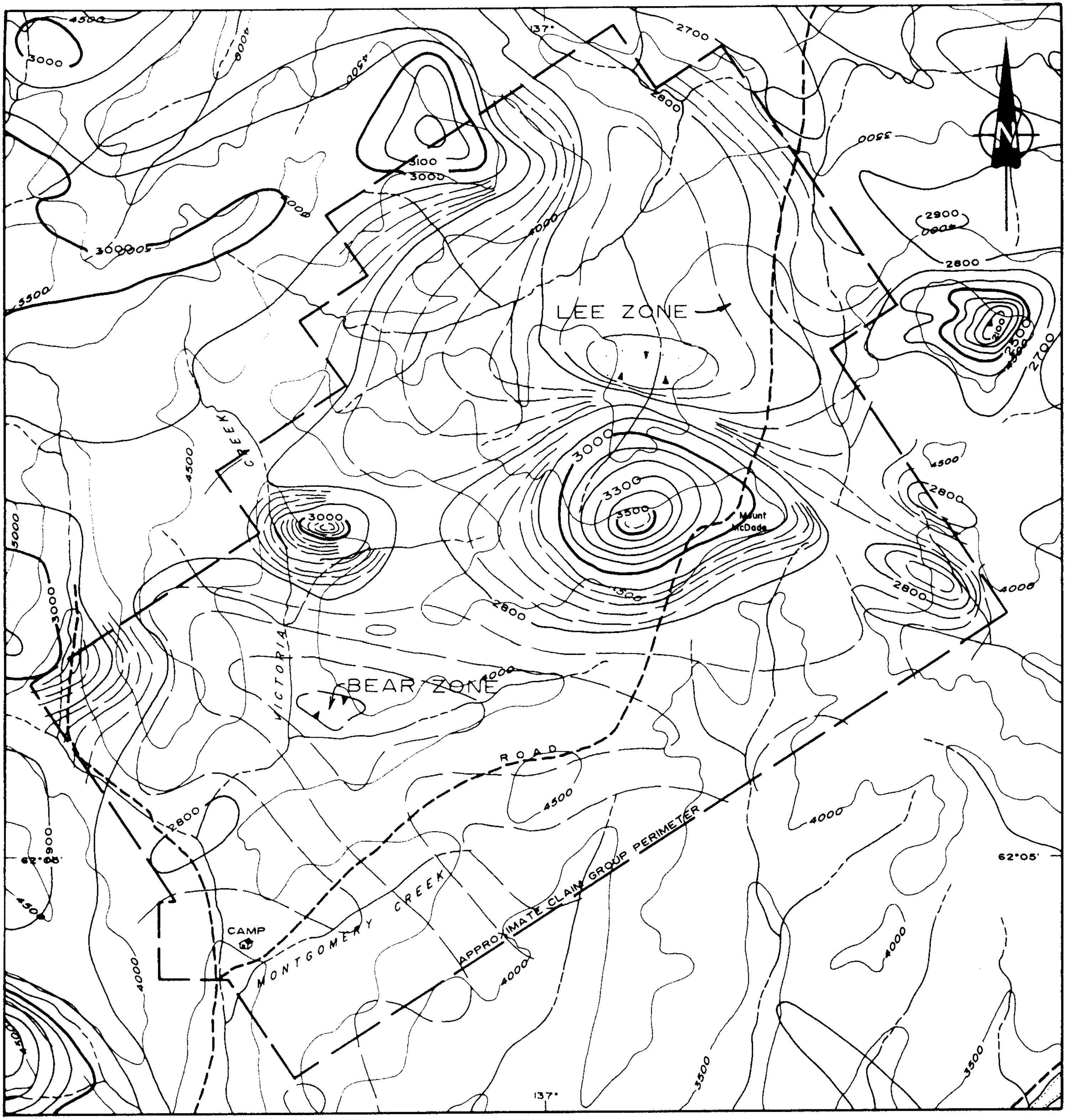
Of the samples collected in 1988 gold and antimony appear to be the main elements of interest ranging up to 15650 ppb and 31206 ppm respectively. The high gold value (#8524005) is from the **Montgomery Creek Zone** while the anomalous antimony values are from the **Lee Zone.** A rock sample of rusty weathering fractured quartz from the **Bear Zone** returned 8740 ppb gold and 57.6 ppm silver.

Stream Sediment Samples

Gold values in stream sediments range from 1 to 400 ppb. Sample #8564056 (400 ppb gold) is located 800 meters northeast of camp (Figure 5) from a creek draining an area underlain by Jurrasic granodiorite and Cretaceous rhyolite. Followup on anomalous stream sediment samples collected in 1986 from the Lee Zone area returned low values. A stream sediment sample of approximately 30% magnetite (# 8541001) returned 81 ppb gold from a creek south of camp.

GEOPHYSICS

The regional Airborne Magnetic Survey (GSC maps 3330G & 3312G) shows the McDade Property to have a flat magnetic response (Figure 10) with the exception of isolated magnetic lows and highs. A prominent magnetic high of 3500 gammas occurs directly over Mt. McDade, a body of Cretaceous granodiorite. Another magnetic high of 3060 gammas is found in an overburden covered area at the head of Victoria Creek. Magnetic low anomalies occur over the **Bear Zone** (<2720 gammas) and adjacent to the **Lee Zone** (<2650 gammas). Magnetic low anomalies can be caused by destruction of mafic or magnetic minerals by low pH hydrothermal fluids.



IKm 0 1 2 3Km

LEGEND

ISOMAGNETIC LINES

- 500 gammas
- 100 gammas
- 20 gammas
- magnetic depression
- creek
- 4WD road
- 3500 elevation contour; interval 500ft

NOTE: from G.S.C. map no. 3321G & 3330G

McDADE PROPERTY WHITEHORSE MINING DISTRICT			
AIRBORNE MAGNETIC SURVEY			
Aurum Geological Consultants Inc.			SEPTEMBER, 1988
NTS 115 I / 2&3	DRAWN BY RH	SCALE 1:63,360	FIGURE: 10

CONCLUSIONS AND RECOMMENDATIONS

The McDade property is underlain by Paleozoic metamorphic rocks which have undergone at least three separate plutonic-volcanic episodes in the Jurassic, Cretaceous and Late Cretaceous to Early Tertiary periods. Known gold-silver deposits in the Dawson Range Gold Belt are closely associated with these volcanic/intrusive rocks. Similar rocks on the McDade property therefore provide a setting that is highly permissive for the development of precious metal deposits.

The property is an epithermal-mesothermal gold-silver prospect. Potential exists for hosting both disseminated gold in volcanic porphyries and vein-type gold. Five anomalous zones; the **Montgomery Creek, Lee**, **Wind**, **Bear**, and **Red Trench Zone** have been located to date.

The **Montgomery Creek Zone** is a new high grade float occurrence (up to 15650 ppb gold) discovered by prospecting. The bedrock source was not located but is assumed to be nearby although the possibility exists that the float was transported during placer mining operations.

Known mineralization on the **Lee Zone** consists of quartz-stibnite-chalcedony breccia anomalous in antimony and mercury while gold values in rock float range up to 950 ppb (0.028 opt; 1986 results). Trenching in 1987 reached bedrock in places and restricted the source of mineralized float to a discrete area. Vein type quartz and altered rhyolite 800 meters west of the **Lee Zone** returned anomalous gold (158 ppb) and arsenic (150 ppm) values. When considered with the lithological, geochemical, geophysical, mineralogical and alteration setting, the **Lee Zone** may represent an outer or upper margin to a major epithermal gold deposit.

Rock and soil sampling on the east slope of the **Wind Zone** returned anomalous gold (<50 ppb) and arsenic (<410ppm) values.

Trenching on the **Bear Zone** uncovered float of altered rhyolite, andesite and mineralized altered granodiorite. Soil sampling outlined an area greater than 300 by 200 meters anomalous in gold (<820 ppb) and arsenic (<781 ppm). A rock sample of rusty weathering fractured quartz returned 8740 ppb gold. The altered lithologies, large geochemical soil anomaly, and magnetic low anomaly indicate possible epithermal or mesothermal mineralization associated with rhyolite and andesite.

Previous trenching on the **Red Trench Zone** uncovered a clay gouge zone cutting rocks of the Carmacks Group. The clay gouge is anomalous in arsenic (<337 ppm) and mercury (<1000 ppb; 1986 sample) and is not permanently frozen. Rock samples from the area returned up to 320 ppb gold (1986 results).

Gold (± antimony, arsenic, lead and silver) anomalies located elsewhere on the property (Keyser 1987) are indicative of epithermal systems. Areas underlain by rhyolite and dacite such as the south and north corners of the property may host mineralization based on deposit types located elsewhere in the Dawson Range.

Extensive overburden and a lack of outcrop make mineral exploration difficult on this large property. Because the Dawson Range escaped Pleistocene continental glaciation, a well developed pre-Quaternary weathered surface has been preserved. This makes the visual identification of alteration and mineralization difficult; however the deeply weathered rocks and potential minerals within them may be suitable for heap leaching.

Based on results of surface exploration carried out on the McDade property from 1986 to 1988, further work is warranted. The following is recommended:

1. Diamond drilling is required at Lee Zone to test for elevation-controlled precious metal mineralization.

2. Trenching with combined mapping and sampling should be carried out over and about the **Montgomery Creek Zone** to further investigate the source of quartz-sulphide bearing float.

3. The **Bear Zone** requires more trenching, mapping, sampling, and a magnetometer survey to evaluate the gold anomalies in soil and rock samples.

4. More trenching with combined mapping and sampling should be carried out in the vicinity of the **Wind Zone** to determine the source of gold found during the 1986 stream sediment sampling program and the gold-arsenic anomaly found in 1988.

5. Follow up on the anomalous stream sediment sample located 800 meters northeast of camp with prospecting, sampling, mapping and possible trenching.

6. Continue to follow up on anomalous stream and soil samples collected in 1986, 1987, and 1988 with more detailed sampling, mapping and trenching. Due to permafrost, prestripping may be required prior to trenching.

7. Should any of the above targets yield positive results, additional drilling may be warranted. Geophysical surveys including Induced Polarization, VLF, Resistivity and Magnetics may facilitate a better understanding of geometry prior to drilling.

Respectfully submitted,

October 28, 1988

Roger W. Hulstein, B.Sc.

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STATEMENT OF QUALIFICATIONS

I, ROGER W. HULSTEIN, hereby certify that:

1. I am a geologist with AURUM GEOLOGICAL CONSULTANTS INC., 604-675 West Hastings Street, Vancouver, British Columbia.

2. I am a graduate of Saint Mary's University, Halifax, with a degree in geology (B.Sc., 1981) and have been involved in geology and mineral exploration continuously since 1978.

3. I am a member of the Geological Association of Canada (A3572).

4. I have no direct or indirect interest in the properties of Mr. Gordon F. Dickson.

5. I am the author of this report on the McDade Property, Dawson Range, Yukon which is based on my personal examination of the ground in 1986, 1987 and August 9-19, 1988, and on referenced sources.

October 28, 1988

Roger W. Hulstein, B.Sc.

STATEMENT OF COSTS

Assessment Work Valuation; McDade Property

1. Geological and Geochemical

A. Fieldwork	
R. Hulstein, B.Sc., of Whitehorse, Yukon. August 8-14, 17-19, Oct. 15-21, 1987; 10 days @ $300/day:	$3,000.00
B. Sauer, of Vancouver, B.C. August 8-19, 1988; 12 days @ $245/day	$2,940.00
B. Geochemical Analyses	
63 rock, 599 soil, and 35 stream sediment samples:	9,612.10
C. Support Costs	
Sample Shipments:	612.90
Groceries & meals:	643.20
Sample bags, flagging tape & thread:	319.50
Gas:	162.64
Miscellaneous consumables:	91.43
Radio & phone charges:	79.79
Truck rental; 2 days @ $50.00/day:	100.00
D. Report Preparation	
R. Hulstein, B.Sc. Sept.- Oct. 1988; 11.5 days @ 300/day:	3,450.00
Drafting:	1,100.00
Reprographics and typing:	450.00
Subtotal:	$22,561.56

2. Trenching and Prospecting

Gordon Dickson of Whitehorse, Yukon. Caterpillar D3B with backhoe attachment; June - Sept. 1988; 120 hrs @ 60.00/hr :	7,200.00
Support Costs; Trucks, groceries, consumables, Bombardier, ATV: 53 days @ 140/day:	7,420.00
Subtotal:	$14,620.00

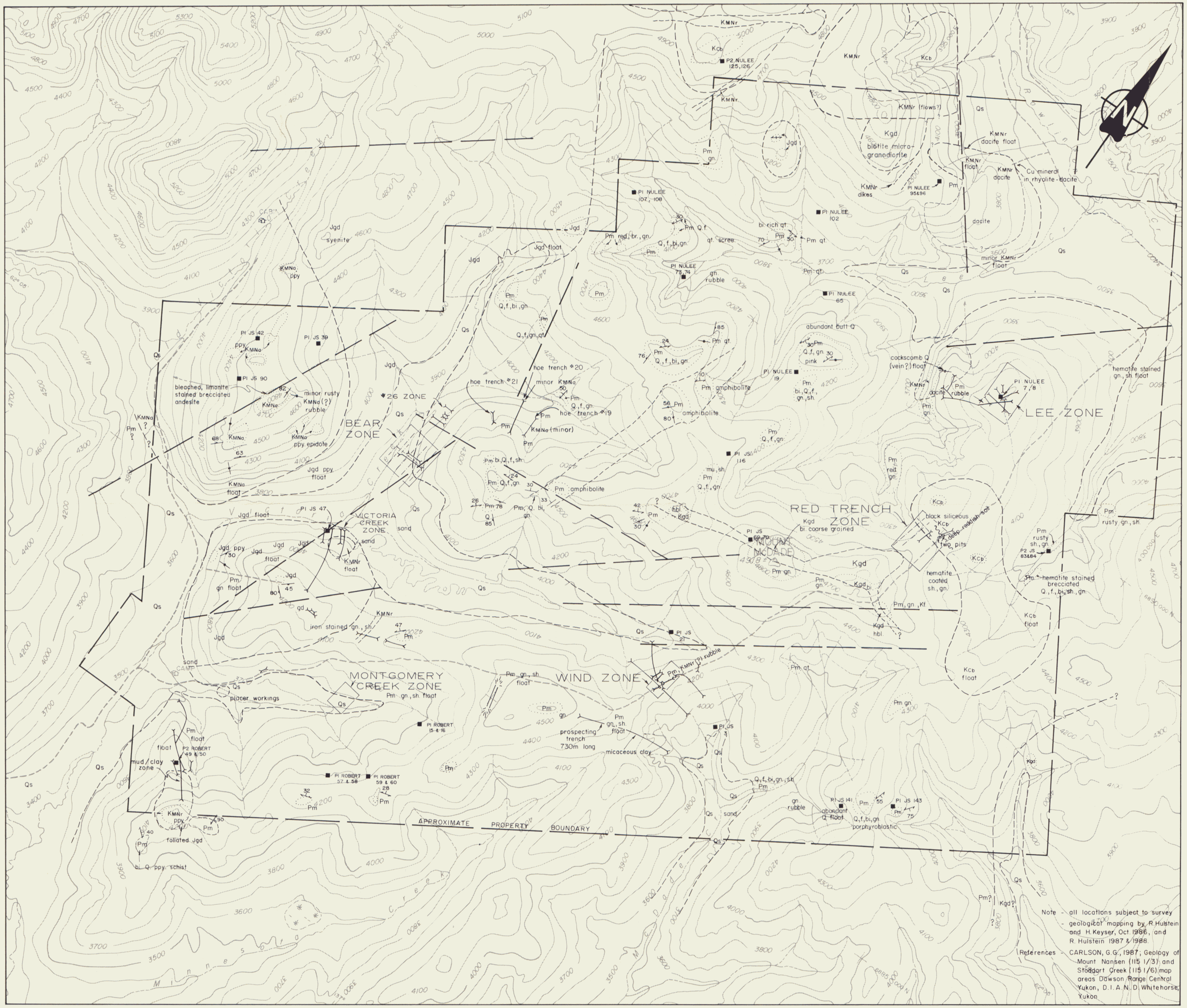
Total Valuation of 1988 Assessment Work: $37,181.56

Allocation of Assessment Costs, McDade Property, 1988.

AREA/ZONE	SALARY	GEOCHEM.	SUPPORT	TOTAL
Robert cl 50, 52	$300.00	$537.81	$534.97	$1372.78
Robert cl 51-58	490.00	703.29	1069.95	2263.24
Robert cl 5,7,9,11	245.00	661.92	534.97	1441.89
Robert cl 14, 16-18	245.00	330.96	534.97	1110.93
Mont. Ck. Z. Robert 11,12	272.50	303.38	534.97	1110.85
Wind Zone JS 1,3,22,24	450.00	896.35	534.97	1881.32
Red Trench Z. JS 77,78	667.50	979.09	1337.43	2984.02
JS claims 123-125	422.50	813.61	802.46	2038.57
Lee Zone Nulee 5-10	722.50	648.13	1337.43	2708.06
JS claims 81,83,130	245.00	386.12	534.97	1166.09
Nulee claims 92,94,113,115	300.00	248.22	534.97	1083.19
Bear Zone JS 96, 98	1035.00	1668.59	2139.89	4843.48
Cat Trenching			7200.00	7200.00
JS & Nulee cl JS 91, Nulee 41	300.00	289.59	534.97	1124.56
Moon 2 & 4 cl	245.00	413.76	534.97	1193.73
TOTAL	**$5940.00**	**$8880.82**	**$18701.89**	**$33522.71**

NOTE: Analytical costs @ $13.79 a sample.
Salary costs @ $300.00/day R.W.H.
$245.00/day B.S.
Support costs inc. food, report, ATVs, trucks, @ $537.81/manday.
D3 CAT @ $60.00/hour.

AURUM GEOLOGICAL CONSULTANTS INC.



LEGEND

LITHOLOGIES

QUATERNARY (and older)

Qs	unconsolidated surficial debris

CRETACEOUS to LOWER TERTIARY

Kcb	CARMACKS GROUP: basalt

CRETACEOUS

RELATIVE AGES UNCERTAIN

KMNa	MOUNT NANSEN GROUP: andesite
KMNr	MOUNT NANSEN GROUP: rhyolite, dacite
Kgd	granodiorite, monzonite, syenite

JURASSIC

Jgd	granodiorite, monzonite, syenite

PALEOZOIC (?)

Pm	*PELLY GNEISS COMPLEX (?)* gneiss, schist, quartzite, amphibolite

Abbreviations

gn	gneiss	bi	biotite
sh	schist	mu	muscovite
qt	quartzite	hbl	hornblende
Q	quartz	ppy	porphyry
f	feldspar	P	post
Kf	potassium feldspar		

SYMBOLS

- fault
- trench
- claim post; refer to FIGURE 2
- creek
- elevation contour; interval 100 ft
- "cat" trail
- attitude of bedding/structure
- attitude of foliation, schistosity
- attitude of jointing
- distribution of outcrop
- approximate/assumed lithologic contact
- airphoto lineament
- approximate soil geochemistry grid location

0.5 km 0 0.5 1.0 1.5 km

McDADE PROPERTY
WHITEHORSE MINING DISTRICT

GEOLOGY

558

Aurum Geological Consultants Inc.		SEPTEMBER, 1988	
NTS 115 I/2 & 3	Drawn by R.H., H.K./NH.	Scale 1:25,000	FIGURE 3

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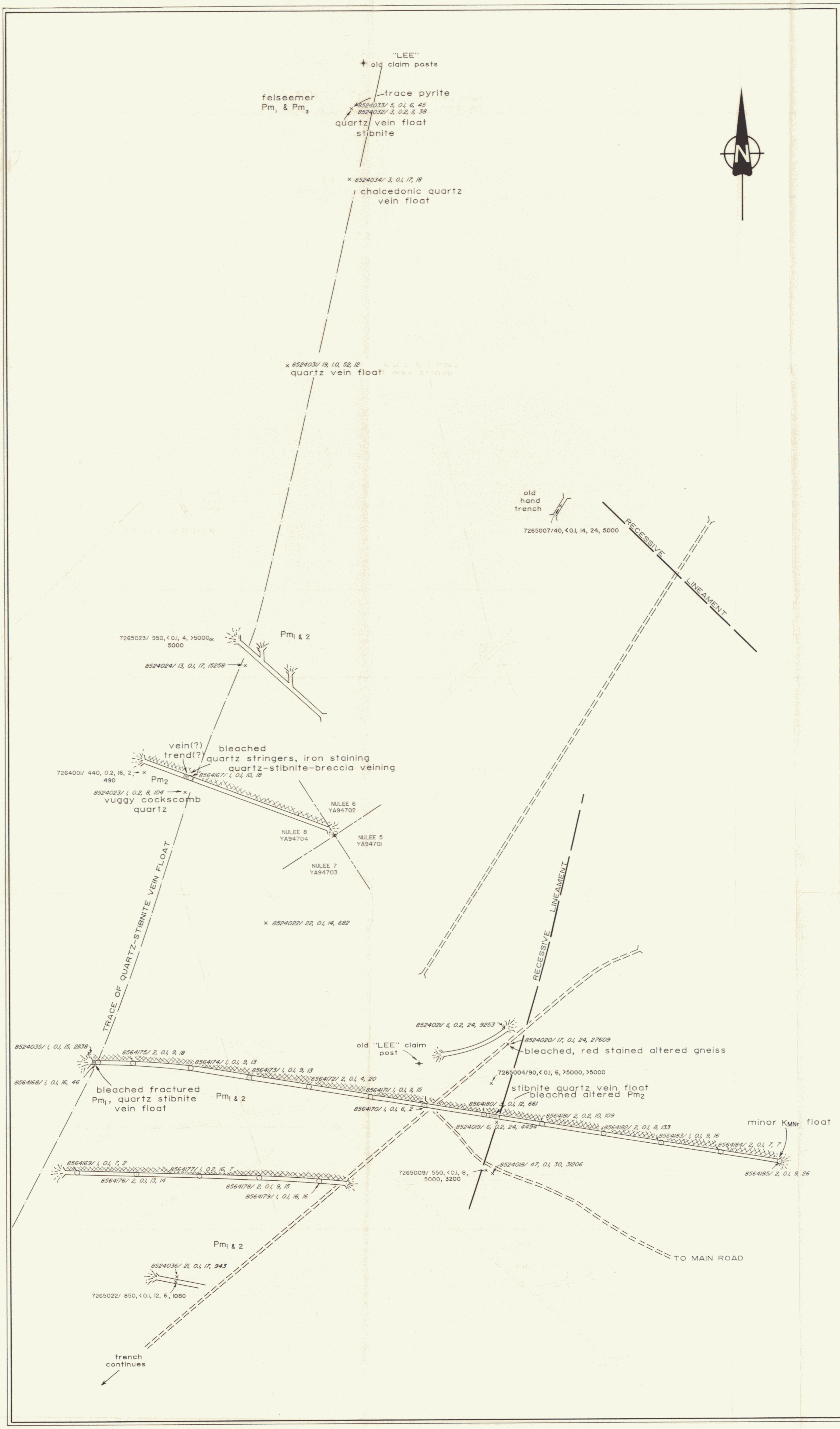


LEGEND

LITHOLOGIES (from trench rubble and felseemer)

CRETACEOUS

KMNr — MOUNT NANSEN GROUP: rhyolite, dacite

PALEOZOIC (?)

Pm_1 — *PELLY GNEISS COMPLEX (?)* muscovite schist

Pm_2 — *PELLY GNEISS COMPLEX (?)* quartz-feldspar biotite gneiss

SYMBOLS

- shallow cat trench <0.6m deep
- cat trench >0.6m deep
- hoe trench, with dump 1-2m deep
- 8564180/ 3, 0.1, 12, 661 — 1988 soil sample location, sample number/ Au ppb, Ag ppm, As ppm, Sb ppm
- 8524031/ 19, 1.0, 52, 12 — 1988 float sample location, sample number/ Au ppb, Ag ppm, As ppm, Sb ppm
- 7265009/ 550, <0.1, 8, 5000, 5000 — 1986 float sample location, sample number/ Au ppb, Ag ppm, As ppm, Sb ppm, Hg ppb
- claim post location

NOTES - bedrock not exposed in any trenches
- locations based on chain and compass surveying

10m 0 10 20 30 40 50 60m
METRES

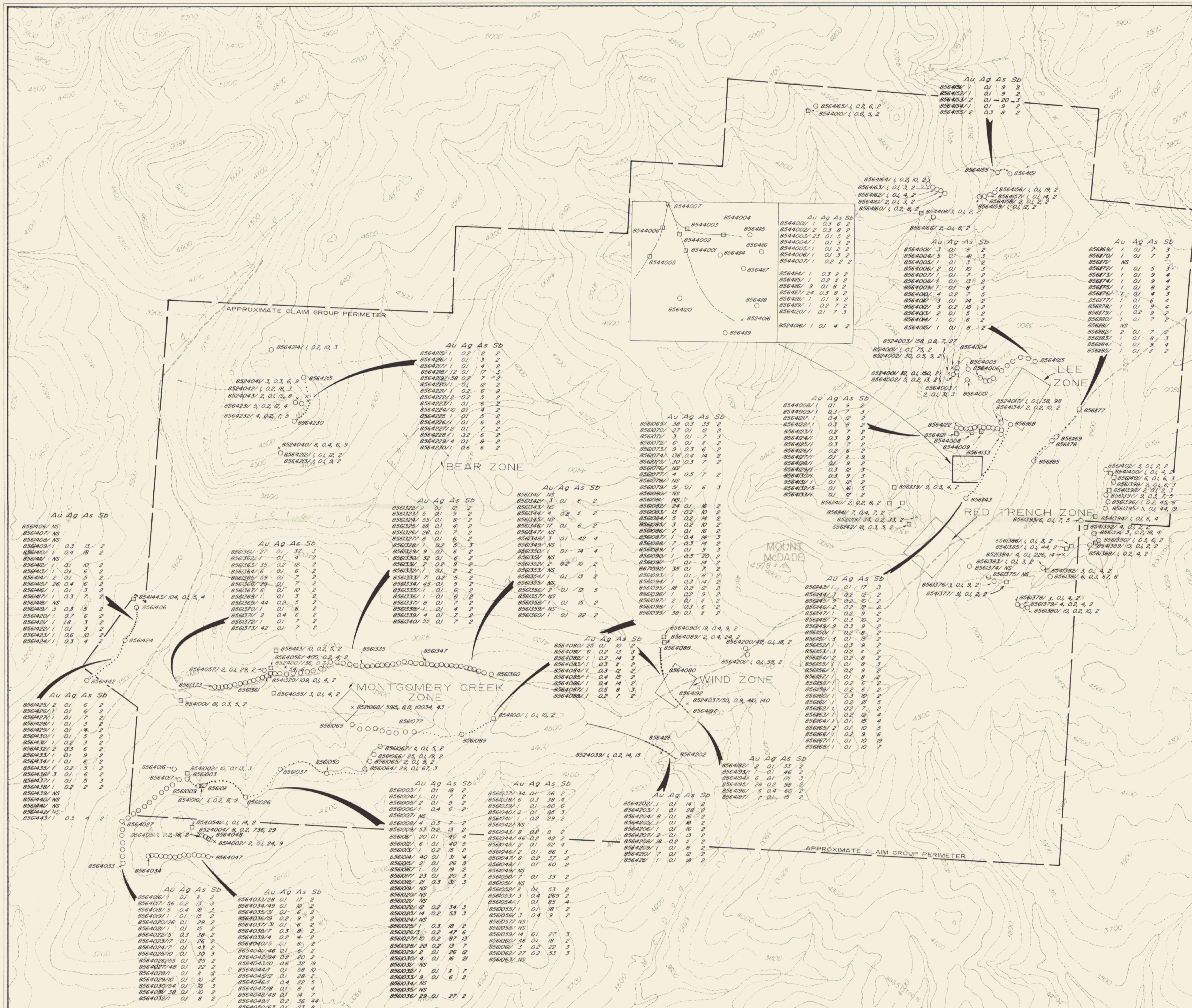
McDADE PROPERTY
WHITEHORSE MINING DISTRICT

LEE ZONE
GEOCHEMISTRY

559

Aurum Geological Consultants Inc.		SEPTEMBER, 1988	
NTS 115 I / 3	DRAWN BY HK,RH	SCALE 1:1,000	FIGURE: 4

092599



LEGEND

- 1988 soil sample location; sample number/ Au ppb, Ag ppm, As ppm, Sb ppm
- 1988 rock sample location, sample number/ Au ppb, Ag ppm, As ppm, Sb ppm
- 1988 float sample location, sample number/ Au ppb, Ag ppm, As ppm, Sb ppm
- 1988 stream sediment sample location, sample number/ Au ppb, Ag ppm, As ppm, Sb ppm
- trench
- 4WD road
- creek
- 3900 elevation contour, interval 100ft.

500m 0 500 1000 1500m

METRES

McDADE PROPERTY
WHITEHORSE MINING DISTRICT

GEOCHEMISTRY

557

Aurum Geological Consultants Inc.		SEPTEMBER, 1988	
NTS 115 I/ 2&3	DRAWN BY RH	SCALE 1:25,000	FIGURE: 5

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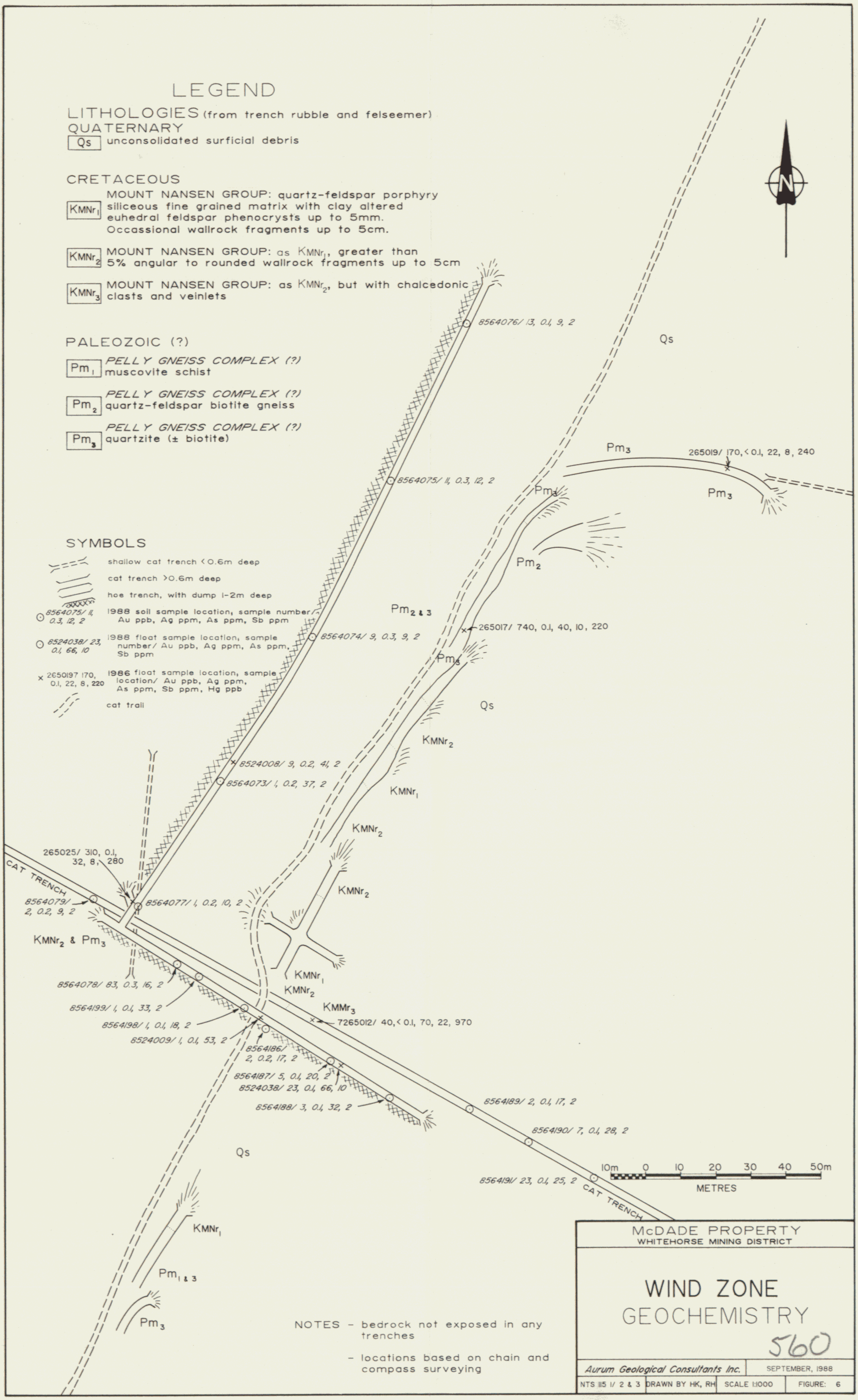
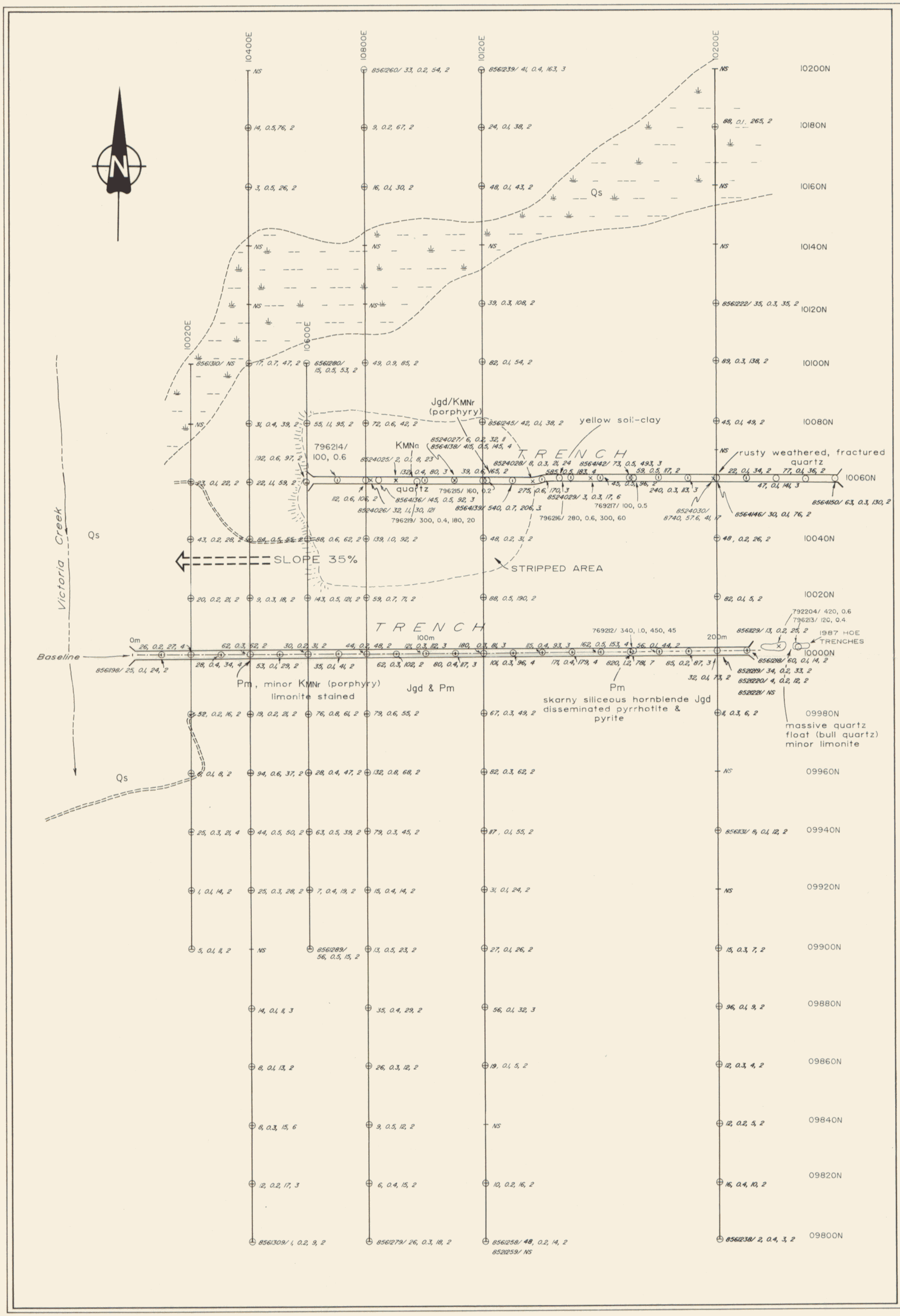

LEGEND
LITHOLOGIES (from trench rubble and felseemer)
QUATERNARY
Qs unconsolidated surficial debris
CRETACEOUS
KMNr1 MOUNT NANSEN GROUP: quartz-feldspar porphyry siliceous fine grained matrix with clay altered euhedral feldspar phenocrysts up to 5mm. Occassional wallrock fragments up to 5cm.
KMNr2 MOUNT NANSEN GROUP: as KMNr1, greater than 5% angular to rounded wallrock fragments up to 5cm
KMNr3 MOUNT NANSEN GROUP: as KMNr2, but with chalcedonic clasts and veinlets
PALEOZOIC (?)
Pm1 PELLY GNEISS COMPLEX (?) muscovite schist
Pm2 PELLY GNEISS COMPLEX (?) quartz-feldspar biotite gneiss
Pm3 PELLY GNEISS COMPLEX (?) quartzite (± biotite)
SYMBOLS
shallow cat trench <0.6m deep
cat trench >0.6m deep
hoe trench, with dump 1-2m deep
8564075/ 11, 0.3, 12, 2 1988 soil sample location, sample number/ Au ppb, Ag ppm, As ppm, Sb ppm
8524038/ 23, 0.1, 66, 10 1988 float sample location, sample number/ Au ppb, Ag ppm, As ppm, Sb ppm
265019/ 170, 0.1, 22, 8, 220 1986 float sample location, sample location/ Au ppb, Ag ppm, As ppm, Sb ppm, Hg ppb
cat trail
N
Qs
8564076/ 13, 0.1, 9, 2
8564075/ 11, 0.3, 12, 2
8564074/ 9, 0.3, 9, 2
8524008/ 9, 0.2, 41, 2
8564073/ 1, 0.2, 37, 2
Pm3
265019/ 170, <0.1, 22, 8, 240
Pm3
Pm3
Pm2
Pm2 & 3
265017/ 740, 0.1, 40, 10, 220
Pm3
Qs
KMNr2
KMNr1
KMNr2
KMNr2
265025/ 310, 0.1, 32, 8, 280
CAT TRENCH
8564079/ 2, 0.2, 9, 2
8564077/ 1, 0.2, 10, 2
KMNr2 & Pm3
KMNr1
KMNr2
KMMr3
7265012/ 40, <0.1, 70, 22, 970
8564078/ 83, 0.3, 16, 2
8564199/ 1, 0.1, 33, 2
8564198/ 1, 0.1, 18, 2
8524009/ 1, 0.1, 53, 2
8564186/ 2, 0.2, 17, 2
8564187/ 5, 0.1, 20, 2
8524038/ 23, 0.1, 66, 10
8564188/ 3, 0.1, 32, 2
8564189/ 2, 0.1, 17, 2
8564190/ 7, 0.1, 28, 2
8564191/ 23, 0.1, 25, 2
CAT TRENCH
Qs
10m 0 10 20 30 40 50m
METRES
KMNr1
Pm1 & 3
Pm3
NOTES - bedrock not exposed in any trenches
- locations based on chain and compass surveying
McDADE PROPERTY
WHITEHORSE MINING DISTRICT
WIND ZONE
GEOCHEMISTRY
560
Aurum Geological Consultants Inc.
SEPTEMBER, 1988
NTS 115 I/ 2 & 3
DRAWN BY HK, RH
SCALE 1:1000
FIGURE: 6



LEGEND

LITHOLOGIES (from trench rubble and felseemer)

QUATERNARY

Qs — unconsolidated surficial debris

CRETACEOUS

KMNa — MOUNT NANSEN GROUP: andesite

KMNr — MOUNT NANSEN GROUP: rhyolite, dacite

JURASSIC

Jgd — granodiorite, monzonite, syenite

PALEOZOIC (?)

Pm — *PELLY GNEISS COMPLEX (?)* gneiss, schist, quartzite

SYMBOLS

- trench
- grid location, lines north-south 20-40m spacing
- 8561222/ 35, 0.3, 35, 2 — 1988 soil sample location; sample number/ Au ppb, Ag ppm, As ppm, Sb ppm
- 796214/ 100, 0.6 — 1987 soil sample location; sample number/ Au ppb, Ag ppm
- × 8524027/ 6, 0.2, 32, 11 — 1988 float sample location; sample number/ Au ppb, Ag ppm, As ppm, Sb ppm
- × 792204/ 420, 0.6 — 1987 float sample location; sample number/ Au ppb, Ag ppm
- cat trail
- swamp
- *NS – no sample*

NOTES: – bedrock not exposed in any trench
– locations based on chain and compass surveying

10m 0 10 20 30 40 50 60m
METRES

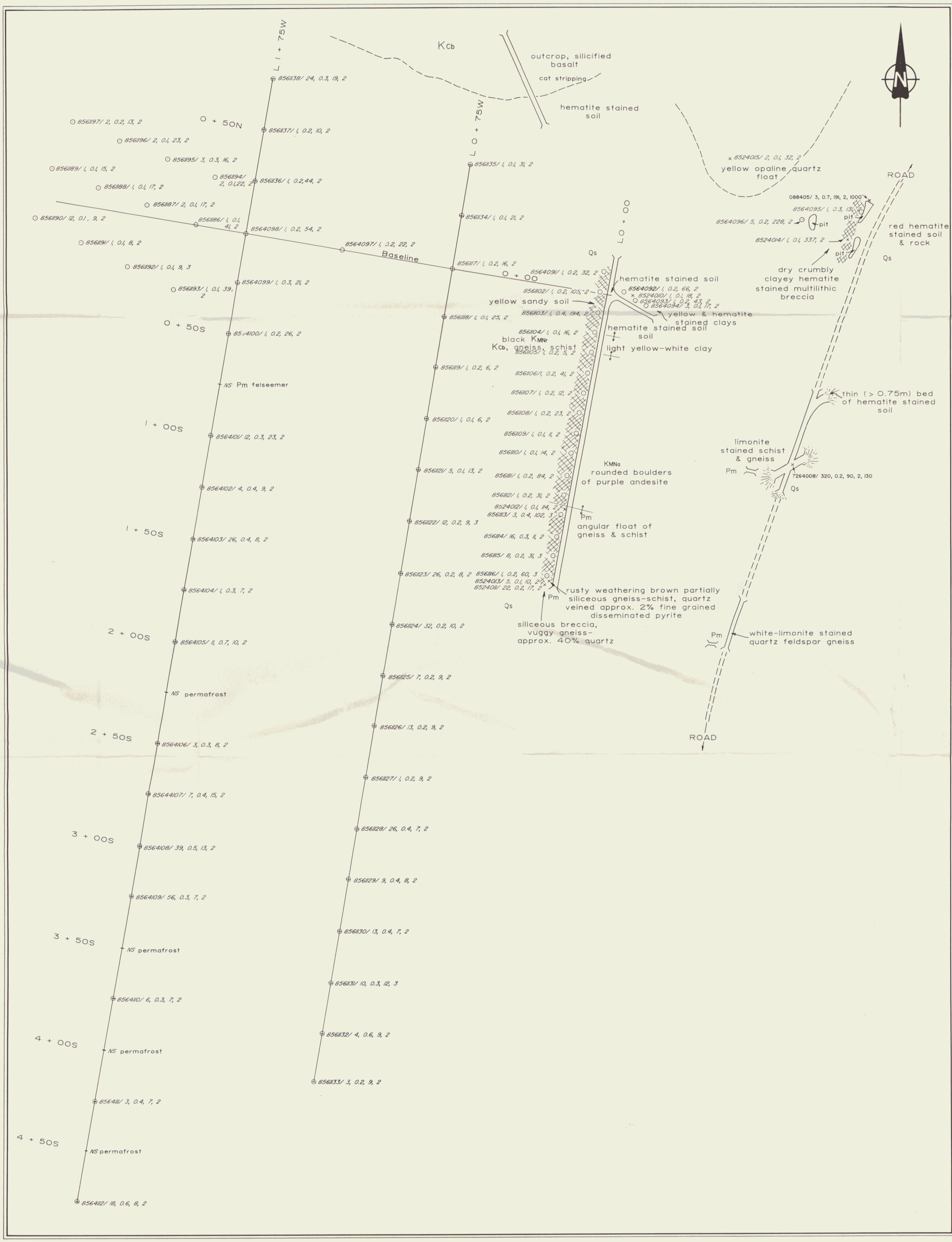
McDADE PROPERTY
WHITEHORSE MINING DISTRICT

BEAR ZONE
GEOCHEMISTRY

Aurum Geological Consultants Inc.		SEPTEMBER, 1988	
NTS 115 I / 3	DRAWN BY RH/BS	SCALE 1:1,000	FIGURE : 7

561

092599



LEGEND

LITHOLOGIES

QUATERNARY

Qs — unconsolidated surficial debris

CRETACEOUS

Kcb — CARMACKS GROUP: basalt

KMNa — MOUNT NANSEN GROUP: andesite

PALEOZOIC (?)

Pm — *PELLY GNEISS COMPLEX (?)* gneiss, schist, quartzite

SYMBOLS

- trench, with dump
- grid location
- 1988 soil sample location; sample number/ Au ppb, Ag ppm, As ppm, Sb ppm
- 1988 float sample location; sample number/ Au ppb, Ag ppm, As ppm, Sb ppm
- 1986, 1987 float sample location, sample number/ Au ppb, Ag ppm, As ppm, Sb ppm, Hg ppb
- cat trail
- NS — *no sample*

NOTES – locations based on chain and compass surveying

10m 0 10 20 30 40 50 60m

METRES

McDADE PROPERTY

WHITEHORSE MINING DISTRICT

RED TRENCH ZONE

GEOCHEMISTRY

Aurum Geological Consultants Inc.	SEPTEMBER, 1988

NTS 115 I / 3	DRAWN by R.H.	SCALE 1:1,000	FIGURE: 8

562

092599

APPENDIX

McDADE PROJECT #2200 AURUM GEOLOGICAL CONSULTANTS INC. ROCK SAMPLE LOCATION AND DESCRIPTION RECORD
August, 1988 NTS 115I/2&3 Samplers: R.H. & B.S. Lab: Acme Analytical

Sample No.	Location	Description	Attitude	Width	Au ppb	Ag ppm	As ppm	Sb ppm	Pb ppm
8524001	LEE ZONE	Purple dacite breccia, cockscomb qtz matrix, 40% qtz, no sulphides	FLOAT		112	0.1	150	2	51
8524002	LEE ZONE	Crackle brecciated quartz vein float, cockscomb qtz crystals	FLOAT		30	0.5	9	2	12
8524003	LEE ZONE	Light grey qtz vein float, dense, contains 5-10% clasts of altered dacite.	FLOAT		158	0.8	7	2	30
8524004	ROBERT CLAIMS	Brown crackle brecciated gneiss-quartzite, 5% limonite filled vugs	FLOAT		8	0.2	736	29	24
8524005	MONTGOM-ERY CREEK	Fresh angular quartz sulphide boulder, med.-dark grey to white quartz with 15% irregular disseminated patches of fine grained pyrite, <1% galena+arsenopyrite. Boulder cut by grey qtz veinlets, 5% anhedral pink & white feldspar crystals	FLOAT		15650	132.5	14242	2723	5693
8524006	MONTGOM-ERY CREEK	Same as #8524005 except trace amounts of arsenopyrite & galena.	FLOAT		6235	33	6310	278	574
8524007	ROBERT CLAIMS	Dark grey schist-gneiss breccia, clasts partially altered to sericite, in a grey rock flour matrix (60%), minor vugs, quartz veinlets and limonite coatings	FLOAT		36	0.7	54	6	41
8524008	WIND ZONE	Green fine grained andesite, partially siliceous.	FLOAT		9	0.2	41	2	9
8524009	WIND ZONE	Light brown lithic breccia, 30% sericite rock flour matrix, <5% qtz.	FLOAT		1	0.1	53	2	12
8524010	RED TRENCH	Float of clear-white quartz in white to yellow clay.	FLOAT		1	0.1	18	2	7
8524011	RED TRENCH	Light brown siliceous, brecciated, vuggy gneiss, <40% qtz.	FLOAT		22	0.2	17	2	17
8524012	RED TRENCH	Light brown multilithic breccia, 80% light grey schist & gneiss clastss in a rock flour matrix, weak sericite alteration, trace pyrite.	FLOAT		1	0.1	5	2	6
8524013	RED TRENCH	Rusty weathering to brown gneiss-schist, partially siliceous, <10% qtz veinlets, <2% fine grained pyrite.	FLOAT		5	0.1	10	2	10

McDADE PROJECT #2200 AURUM GEOLOGICAL CONSULTANTS INC. ROCK SAMPLE LOCATION AND DESCRIPTION RECORD
August, 1988 NTS 115I/2&3 Samplers: R.H. & B.S. Lab: Acme Analytical

Sample No.	Location	Description	Attitude	Width	Au ppb	Ag ppm	As ppm	Sb ppm	Pb ppm
8524014	RED TRENCH	Red (hematite alteration) and yellow intensely clay altered multilithic breccia, clasts of possible schist gneiss and volcanics.	FLOAT		1	0.1	337	2	8
8524015	RED TRENCH	Yellow opaline quartz found in amongst Carmacks Basalt.	FLOAT		2	0.1	32	2	3
8524016	LEE ZONE	White quartz, minor rusty fractures.	OUTCROP	0.5m	1	0.1	4	2	5
8524017	LEE ZONE	Limonite weathering brecciated gneiss, minor quartz flooding (<5%), 1% vugs.	FLOAT		1	0.1	38	98	9
8524018	LEE ZONE	Brecciated qtz-feldspar gneiss, 5-10% disseminated stibnite patches, minor quartz flooding. Resample of #265009.	FLOAT		47	0.1	30	31206	2
8524019	LEE ZONE	Weakly brecciated, partially silicified hematite stained gneiss-quartzite cut by stibnite veinlets (1-3%).	FLOAT		6	0.2	24	4494	11
8524020	LEE ZONE	Weakly altered quartz feldspar gneiss crosscut by 5-10% stibnite veinlets.	FLOAT		17	0.1	24	27609	4
8524021	LEE ZONE	Weakly altered quartz feldspar gneiss crosscut by stibnite (5-10%) and quartz (5-10%) veinlets.	FLOAT		11	0.2	24	9253	8
8524022	LEE ZONE	Limonite weathering light green slightly brecciated gneiss crosscut by two 2.5cm chalcedonic quartz bands and quartz veinlets.	FLOAT		22	0.1	14	682	5
8524023	LEE ZONE	Limonite weathering gneissic breccia and vuggy quartz veined gneiss,cockscomb qtz, green and yellow clay altered patches (<15%). Similar to 1986 #264001.	FLOAT		1	0.2	8	104	11
8524024	LEE ZONE	Limonite weathering quartzite-gneiss, weakly brecciated, 30% quartz veinlets containing 2-5% stibnite.	FLOAT		13	0.1	17	15258	13
8524025	BEAR ZONE	Rusty weathering clear-light grey chalcedonic quartz.	FLOAT		2	0.1	8	23	14

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August, 1988 NTS 115I/2&3 Samplers: R.H. & B.S. Lab: Acme Analytical

Sample No.	Location	Description	Attitude	Width	Au ppb	Ag ppm	As ppm	Sb ppm	Pb ppm
8524026	BEAR ZONE	Rusty weathering (limonite coated vugs and fractures) gneiss, weakly brecciated, cut by quartz veinlets (<10% Q).	FLOAT		32	1.1	30	121	19
8524027	BEAR ZONE	Limonite coated, rusty weatherig gneiss crosscut by clear-light brown quartz-chalcedoney veinlets (<15% Q).	FLOAT		6	0.2	32	11	10
8524028	BEAR ZONE	Siliceous brecciated dacite (?), limonite coated fractures, quartz veinlets, trace pyrite.	FLOAT		8	0.3	21	24	7
8524029	BEAR ZONE	Brecciated and quartz veined rhyolite, weak Mn and Fe stain, trace pyrite.	FLOAT		3	0.3	21	6	8
8524030	BEAR ZONE	White quartz, strongly fractured with limonite coatings, trace pyrite, anastomosing fractures spaced <1cm, 1-2mm limonite veinlets.	FLOAT		8740	57.6	41	17	281
8524031	LEE ZONE	Limonite stained cockscomb quartz veining, <1cm open spaces, trace weathered out sulphides.	FLOAT		19	1	52	12	42
8524032	LEE ZONE	Chalcedonic Quartz (30%), cockscomb quartz (25%), gneiss-schist breccia, trace stibnite, trace Mn stain.	FLOAT		3	0.2	11	38	6
8524033	LEE ZONE	Essentially same as 8524032, trace pyrite.	FLOAT		5	0.1	6	45	6
8524034	LEE ZONE	Grey banded quartz, somewhat chalcedonic, trace pyrite.	FLOAT		3	0.1	17	18	2
8524035	LEE ZONE	Gneiss, quartz stibnite breccia, <20% stibnite.	FLOAT		1	0.1	15	21138	2
8524036	LEE ZONE	Light green silicified gneiss, weakly brecciated. Resample of 1986 #265021.	FLOAT		21	0.1	17	943	7
8524037	WIND ZONE	Rusty brown weathering brecciated gneiss, 20% siliceous grey patches.	FLOAT		50	0.9	410	140	28
8524038	WIND ZONE	Brecciated quartz-feldspar gneiss, weak silicification.	FLOAT		23	0.1	66	10	4
8524039	WIND ZONE	Cockscomb quartz veining and chalcedonic quartz cutting mica schist, trace pyrite.	FLOAT		1	0.2	14	15	2

McDADE PROJECT #2200 AURUM GEOLOGICAL CONSULTANTS INC. ROCK SAMPLE LOCATION AND DESCRIPTION RECORD
August, 1988 NTS 115I/2&3 Samplers: R.H. & B.S. Lab: Acme Analytical

Sample No.	Location	Description	Attitude	Width	Au ppb	Ag ppm	As ppm	Sb ppm	Pb ppm
8524040	WEST SIDE JS CLAIMS	Rusty brown weathering andesite breccia, weakly silicified, crosscut by 1mm qtz-carb veinlets.	FLOAT		8	0.4	6	9	7
8524041	WEST SIDE JS CLAIMS	Limonite stained andesite breccia, 60% bleached andesite clasts in a grey rock flour matrix (40%).	FLOAT		3	0.3	6	9	7
8524042	WEST SIDE JS CLAIMS	Limonite stained andesite breccia, 70% bleached dolomitized-ankerite altered clasts in a dolomitic rock flour matrix, trace pyrite, minor 1mm dolomite-ankerite veinlets.	FLOAT		1	0.2	18	3	14
8524043	WEST SIDE JS CLAIMS	Similar to 8524042.	FLOAT		2	0.1	15	8	18
8514001	LEE ZONE	Crackle brecciated weakly silicified dacite, very weak argillic alteration.	FLOAT	0.6m	1	0.1	75	2	16
8514002	ROBERT CLAIMS	Light brown brecciated quartzite, minor qtz-carbonate veining, 5% limonite filled vugs.	170/90	0.3m	2	0.1	24	9	5
8521020	ROBERT CLAIMS	Quartz feldspar gneiss, iron stained, chlorite, epidote, trace pyrite.	FLOAT		1	0.2	2	2	12
8521021	ROBERT CLAIMS	Similar to 8521020.	FLOAT		1	0.2	2	2	6
8521024	ROBERT CLAIMS	White quartz, <5% pyrite.	FLOAT		1	0.1	4	2	7
8521039	ROBERT CLAIMS	Quartz flooded gneiss, trace pyrite.	FLOAT		1	0.1	16	2	11
8521042	ROBERT CLAIMS	Iron stained mica schist, trace pyrite.	FLOAT		1	0.1	2	2	8
8521049	ROBERT CLAIMS	Strongly altered quartz feldspar gneiss.	FLOAT		1	0.2	8	2	8
8521051	ROBERT CLAIMS	White-grey quartz.	FLOAT		2	0.1	11	2	8
8521057	ROBERT CLAIMS	Quartzite, trace pyrite.	FLOAT		1	0.1	2	2	4
8521058	ROBERT CLAIMS	Quartzite-gneiss-schist, trace pyrite, possibly garnets.	FLOAT		1	0.1	2	2	5

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Sample No.	Location	Description	Attitude	Width	Au ppb	Ag ppm	As ppm	Sb ppm	Pb ppm
8521068	MONTGOM-ERY CREEK	Silicified andesite-quartz boulder, disseminated pyrite 15-20%, arsenopyrite 2%, galena 1%.	FLOAT		5915	8.8	10034	43	155
8521101	ROBERT CLAIMS	Dark grey, iron stained, fine grained ma rock.	FLOAT		21	0.6	35	3	35
8521219	BEAR ZONE	Grey diorite to granodiorite, 2-5% disseminated blebby pyrite and pyrite along fractures.	FLOAT		34	0.2	33	2	8
8521220	BEAR ZONE	Diorite and white quartz, both containing <2% disseminated pyrite.	FLOAT		4	0.2	12	2	8
8521222	BEAR ZONE	White quartz, trace pyrite.	FLOAT		7	0.2	10	2	7
8521384	NE SIDE JS CLAIMS	Altered porphyry(?),clay altered clasts, partially carbonaceous.	FLOAT		4	0.1	3	6	8
8521403	ROBERT CLAIMS	Iron stained clay altered porphyry.	FLOAT		2	0.1	3	6	8
8521404	ROBERT CLAIMS	Massive hornblende and quartz (50/50), trace pyrite.	FLOAT		4	0.1	2	6	10
8521405	ROBERT CLAIMS	Dark fine grained mafic volcanic, weak epidote and chlorite alteration, trace pyrite.	FLOAT		2	0.2	20	7	13

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Claim	Grant	Rec. Date	Exp.1989	Exp.1990	Exp.1991	Exp.1992
Robert 1	YA93689	SEP.26/85	SEPT. 10			
Robert 2	YA93690	SEP.26/85	SEPT. 10			
Robert 3	YA93691	SEP.26/85	SEPT. 10			
Robert 4	YA93692	SEP.26/85	SEPT. 10			
Robert 5	YA93693	SEP.26/85	SEPT. 10			
Robert 6	YA93694	SEP.26/85	SEPT. 10			
Robert 7	YA93695	SEP.26/85		May 30		
Robert 8	YA93696	SEP.26/85	SEPT. 10			
Robert 9	YA93697	SEP.26/85		May 30		
Robert 10	YA93698	SEP.26/85	SEPT. 10			
Robert 11	YA93699	SEP.26/85		May 30		
Robert 12	YA93700	SEP.26/85		May 30		
Robert 13	YA93701	SEP.26/85		May 30		
Robert 14	YA93702	SEP.26/85		May 30		
Robert 15	YA93703	SEP.26/85		May 30		
Robert 16	YA93704	SEP.26/85		May 30		
Robert 17	YA93705	SEP.26/85		May 30		
Robert 18	YA93706	SEP.26/85		May 30		
Robert 19	YA93707	SEP.26/85		May 30		
Robert 20	YA93708	SEP.26/85		May 30		
Robert 21	YA93709	SEP.26/85		May 30		
Robert 22	YA93710	SEP.26/85		May 30		
Robert 23	YA93711	SEP.26/85		May 30		
Robert 24	YA93712	SEP.26/85		May 30		
Robert 25	YA93713	SEP.26/85	Sept. 26			
Robert 26	YA93714	SEP.26/85	Sept. 26			
Robert 27	YA93715	SEP.26/85	Sept. 26			
Robert 28	YA93716	SEP.26/85	Sept. 26			
Robert 29	YA93717	SEP.26/85	Sept. 26			
Robert 30	YA93718	SEP.26/85	Sept. 26			
Robert 31	YA93719	SEP.26/85	Sept. 26			
Robert 32	YA93720	SEP.26/85	Sept. 26			
Robert 33	YA93721	SEP.26/85	Sept. 26			
Robert 34	YA93722	SEP.26/85	Sept. 26			
Robert 35	YA93723	SEP.26/85	Sept. 26			
Robert 36	YA93724	SEP.26/85	Sept. 26			
Robert 37	YA93725	SEP.26/85	Sept. 26			
Robert 38	YA93726	SEP.26/85	Sept. 26			
Robert 39	YA93727	SEP.26/85	Sept. 26			
Robert 40	YA93728	SEP.26/85	Sept. 26			
Robert 41	YA93729	SEP.26/85	Sept. 26			
Robert 42	YA93730	SEP.26/85	Sept. 26			
Robert 43	YA93731	SEP.26/85	Sept. 26			
Robert 44	YA93732	SEP.26/85	Sept. 26			
Robert 45	YA93733	SEP.26/85	Sept. 26			
Robert 46	YA93734	SEP.26/85	Sept. 26			
Robert 47	YA93735	SEP.26/85	Sept. 26			
Robert 48	YA93736	SEP.26/85	Sept. 26			
Robert 49	YA93737	SEP.26/85	SEPT. 26			
Robert 50	YA93738	SEP.26/85	SEPT. 26			

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Claim		Grant	Rec. Date	Exp.1989	Exp.1990	Exp.1991	Exp.1992
Robert	51	YA93739	SEP.26/85	SEPT. 26			
Robert	52	YA93740	SEP.26/85	SEPT. 26			
Robert	53	YA93741	SEP.26/85	SEPT. 26			
Robert	54	YA93742	SEP.26/85	SEPT. 26			
Robert	55	YA94679	May 30/86		May 30		
Robert	56	YA94680	May 30/86		May 30		
Robert	57	YA94681	May 30/86		May 30		
Robert	58	YA94682	May 30/86		May 30		
Robert	59	YA94683	May 30/86		May 30		
Robert	60	YA94684	May 30/86		May 30		
Robert	61	YA94685	May 30/86		May 30		
Robert	62	YA94686	May 30/86		May 30		
Robert	63	YA94687	May 30/86		May 30		
Robert	64	YA94688	May 30/86		May 30		
Robert	65	YA94689	May 30/86		May 30		
Robert	66	YA94690	May 30/86		May 30		
Robert	67	YA94691	May 30/86		May 30		
Robert	68	YA94692	May 30/86		May 30		
Robert	69	YA94693	May 30/86		May 30		
Robert	70	YA94694	May 30/86		May 30		
Robert	71	YA94695	May 30/86		May 30		
Robert	72	YA94696	May 30/86		May 30		
JS	1	YA94458	May 21/86		May 21		
JS	2	YA94459	May 21/86		May 21		
JS	3	YA94460	May 21/86		May 21		
JS	4	YA94461	May 21/86		May 21		
JS	5	YA94462	May 21/86	May 21			
JS	6	YA94463	May 21/86	May 21			
JS	7	YA94464	May 21/86	May 21			
JS	8	YA94465	May 21/86	May 21			
JS	9	YA94466	May 21/86	May 21			
JS	10	YA94467	May 21/86	May 21			
JS	11	YA94468	May 21/86	May 21			
JS	12	YA94469	May 21/86	May 21			
JS	13	YA94470	May 21/86	May 21			
JS	14	YA94471	May 21/86	May 21			
JS	15	YA94472	May 21/86	May 21			
JS	16	YA94473	May 21/86	May 21			
JS	17	YA94474	May 21/86	May 21			
JS	18	YA94475	May 21/86	May 21			
JS	19	YA94476	May 21/86	May 21			
JS	20	YA94477	May 21/86	May 21			
JS	21	YA94478	May 21/86		May 21		
JS	22	YA94479	May 21/86		May 21		
JS	23	YA94480	May 21/86		May 21		
JS	24	YA94481	May 21/86		May 21		
JS	25	YA94482	May 21/86		May 21		
JS	26	YA94483	May 21/86		May 21		
JS	27	YA94484	May 21/86	May 21			

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Claim		Grant	Rec. Date	Exp.1989	Exp.1990	Exp.1991	Exp.1992
JS	28	YA94485	May 21/86	May 21			
JS	29	YA94486	May 21/86	May 21			
JS	30	YA94487	May 21/86	May 21			
JS	31	YA94488	May 21/86	May 21			
JS	32	YA94489	May 21/86	May 21			
JS	33	YA94490	May 21/86	May 21			
JS	34	YA94491	May 21/86	May 21			
JS	35	YA94492	May 21/86	May 21			
JS	36	YA94493	May 21/86	May 21			
JS	37	YA94494	May 21/86	May 21			
JS	38	YA94495	May 21/86	May 21			
JS	39	YA94496	May 21/86	May 21			
JS	40	YA94497	May 21/86	May 21			
JS	41	YA94498	May 22/86			May 22	
JS	42	YA94499	May 22/86			May 22	
JS	43	YA94500	May 22/86			May 22	
JS	44	YA94501	May 22/86			May 22	
JS	45	YA94502	May 22/86			May 22	
JS	46	YA94503	May 22/86			May 22	
JS	47	YA94504	May 22/86				May 22
JS	48	YA94505	May 22/86				May 22
JS	49	YA94506	May 22/86				May 22
JS	50	YA94507	May 22/86				May 22
JS	51	YA94508	May 22/86				May 22
JS	52	YA94509	May 22/86				May 22
JS	53	YA94510	May 22/86				May 22
JS	54	YA94511	May 22/86				May 22
JS	55	YA94512	May 22/86			May 22	
JS	56	YA94513	May 22/86			May 22	
JS	57	YA94514	May 22/86		May 22		
JS	58	YA94515	May 22/86		May 22		
JS	59	YA94516	May 22/86		May 22		
JS	60	YA94517	May 22/86		May 22		
JS	61	YA94518	May 22/86		May 22		
JS	62	YA94519	May 22/86		May 22		
JS	63	YA94520	May 22/86		May 22		
JS	64	YA94521	May 22/86		May 22		
JS	65	YA94522	May 22/86	May 22			
JS	66	YA94523	May 22/86	May 22			
JS	67	YA94524	May 22/86	May 22			
JS	68	YA94525	May 22/86	May 22			
JS	69	YA94526	May 22/86	May 22			
JS	70	YA94527	May 22/86	May 22			
JS	71	YA94528	May 22/86	May 22			
JS	72	YA94529	May 22/86	May 22			
JS	73	YA94530	May 22/86	May 22			
JS	74	YA94531	May 22/86	May 22			
JS	75	YA94532	May 22/86		May 22		
JS	76	YA94533	May 22/86		May 22		

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Claim		Grant	Rec. Date	Exp.1989	Exp.1990	Exp.1991	Exp.1992
JS	77	YA94534	May 22/86		May 22		
JS	78	YA94535	May 22/86		May 22		
JS	79	YA94536	May 22/86		May 22		
JS	80	YA94537	May 22/86		May 22		
JS	81	YA94538	May 22/86		May 22		
JS	82	YA94539	May 22/86		May 22		
JS	83	YA94540	May 22/86		May 22		
JS	84	YA94541	May 22/86		May 22		
JS	85	YA94542	May 22/86			May 22	
JS	86	YA94543	May 22/86			May 22	
JS	87	YA94544	May 22/86			May 22	
JS	88	YA94545	May 22/86			May 22	
JS	89	YA94546	May 22/86			May 22	
JS	90	YA94547	May 22/86			May 22	
JS	91	YA94548	May 22/86				May 22
JS	92	YA94549	May 22/86				May 22
JS	93	YA94550	May 22/86				May 22
JS	94	YA94551	May 22/86				May 22
JS	95	YA94552	May 22/86				May 22
JS	96	YA94553	May 22/86				May 22
JS	97	YA94554	May 22/86			May 22	
JS	98	YA94555	May 22/86			May 22	
JS	99	YA94556	May 22/86			May 22	
JS	100	YA94557	May 22/86			May 22	
JS	101	YA94558	May 22/86			May 22	
JS	102	YA94559	May 22/86			May 22	
JS	103	YA94560	May 22/86			May 22	
JS	104	YA94561	May 22/86			May 22	
JS	105	YA94562	May 22/86			May 22	
JS	106	YA94563	May 22/86			May 22	
JS	107	YA94564	May 22/86	May 22			
JS	108	YA94565	May 22/86	May 22			
JS	109	YA94566	May 22/86	May 22			
JS	110	YA94567	May 22/86	May 22			
JS	111	YA94568	May 22/86	May 22			
JS	112	YA94569	May 22/86	May 22			
JS	113	YA94570	May 22/86	May 22			
JS	114	YA94571	May 22/86	May 22			
JS	115	YA94572	May 22/86	May 22			
JS	116	YA94573	May 22/86	May 22			
JS	117	YA94574	May 22/86	May 22			
JS	118	YA94575	May 22/86	May 22			
JS	119	YA94576	May 22/86		May 22		
JS	120	YA94577	May 22/86		May 22		
JS	121	YA94578	May 22/86		May 22		
JS	122	YA94579	May 22/86		May 22		
JS	123	YA94580	May 22/86		May 22		
JS	124	YA94581	May 22/86		May 22		
JS	125	YA94582	May 22/86			May 22	

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Claim	Grant	Rec. Date	Exp.1989	Exp.1990	Exp.1991	Exp.1992
JS 126	YA94583	May 22/86		May 22		
JS 127	YA94584	May 22/86			May 22	
JS 128	YA94585	May 22/86		May 22		
JS 129	YA94586	May 22/86		May 22		
JS 130	YA94587	May 22/86		May 22		
JS 131	YA94588	May 22/86		May 22		
JS 132	YA94589	May 22/86		May 22		
JS 133	YA94590	May 22/86	May 22			
JS 134	YA94591	May 22/86	May 22			
JS 135	YA94592	May 22/86	May 22			
JS 136	YA94593	May 22/86	May 22			
JS 137	YA94594	May 22/86	May 22			
JS 138	YA94595	May 22/86	May 22			
JS 139	YA94596	May 22/86	May 22			
JS 140	YA94597	May 22/86	May 22			
JS 141	YA94598	May 22/86	May 22			
JS 142	YA94599	May 22/86	May 22			
JS 143	YA94600	May 22/86	May 22			
JS 144	YA94601	May 22/86	May 22			
JS 145	YA94602	May 22/86	May 22			
JS 146	YA94603	May 22/86	May 22			
JS 147	YA94604	May 22/86	May 22			
JS 148	YA94605	May 22/86	May 22			
JS 149	YA94606	May 22/86	May 22			
JS 150	YA94607	May 22/86	May 22			
JS 151	YA94608	May 22/86	May 22			
JS 152	YA94609	May 22/86	May 22			
NULEE 1	YA94697	May 30/86		May 30		
NULEE 2	YA94698	May 30/86		May 30		
NULEE 3	YA94699	May 30/86		May 30		
NULEE 4	YA94700	May 30/86		May 30		
NULEE 5	YA94701	May 30/86			May 30	
NULEE 6	YA94702	May 30/86			May 30	
NULEE 7	YA94703	May 30/86			May 30	
NULEE 8	YA94704	May 30/86			May 30	
NULEE 9	YA94705	May 30/86			May 30	
NULEE 10	YA94706	May 30/86			May 30	
NULEE 11	YA94707	May 30/86		May 30		
NULEE 12	YA94708	May 30/86		May 30		
NULEE 13	YA94709	May 30/86		May 30		
NULEE 14	YA94710	May 30/86		May 21		
NULEE 15	YA94711	May 30/86	May 21			
NULEE 16	YA94712	May 30/86	May 21			
NULEE 17	YA94713	May 30/86	May 21			
NULEE 18	YA94714	May 30/86	May 21			
NULEE 19	YA94715	May 30/86	May 21			
NULEE 20	YA94716	May 30/86	May 21			
NULEE 21	YA94717	May 30/86	May 21			
NULEE 22	YA94718	May 30/86	May 21			

CLAIM STATUS: McDADE PROPERTY AS OF OCT. 31, 1988

Claim	Grant	Rec. Date	Exp.1989	Exp.1990	Exp.1991	Exp.1992
NULEE 23	YA94719	May 30/86	May 21			
NULEE 24	YA94720	May 30/86	May 21			
NULEE 25	YA94721	May 30/86		May 30		
NULEE 26	YA94722	May 30/86		May 30		
NULEE 27	YA94723	May 30/86		May 30		
NULEE 28	YA94724	May 30/86		May 30		
NULEE 29	YA94725	May 30/86		May 30		
NULEE 30	YA94726	May 30/86		May 30		
NULEE 31	YA94727	May 30/86		May 30		
NULEE 32	YA94728	May 30/86		May 30		
NULEE 33	YA94729	May 30/86		May 30		
NULEE 34	YA94730	May 30/86		May 30		
NULEE 35	YA94731	May 30/86		May 30		
NULEE 36	YA94732	May 30/86		May 30		
NULEE 37	YA94733	May 30/86		May 30		
NULEE 38	YA94734	May 30/86		May 30		
NULEE 39	YA94735	May 30/86			May 30	
NULEE 40	YA94736	May 30/86			May 30	
NULEE 41	YA94737	May 30/86			May 30	
NULEE 42	YA94738	May 30/86			May 30	
NULEE 43	YA94739	May 30/86			May 30	
NULEE 44	YA94740	May 30/86			May 30	
NULEE 45	YA94741	May 30/86		May 30		
NULEE 46	YA94742	May 30/86			May 30	
NULEE 47	YA94743	May 30/86		May 30		
NULEE 48	YA94744	May 30/86			May 30	
NULEE 49	YA94745	May 30/86		May 30		
NULEE 50	YA94746	May 30/86		May 30		
NULEE 51	YA94747	May 30/86		May 30		
NULEE 52	YA94748	May 30/86		May 30		
NULEE 53	YA94749	May 30/86		May 30		
NULEE 54	YA94750	May 30/86		May 30		
NULEE 55	YA94751	May 30/86		May 30		
NULEE 56	YA94752	May 30/86		May 30		
NULEE 57	YA94753	May 30/86		May 30		
NULEE 58	YA94754	May 30/86		May 30		
NULEE 59	YA94755	May 30/86		May 30		
NULEE 60	YA94756	May 30/86		May 30		
NULEE 61	YA94757	May 30/86		May 30		
NULEE 62	YA94758	May 30/86		May 30		
NULEE 63	YA94759	May 30/86	May 30			
NULEE 64	YA94760	May 30/86	May 30			
NULEE 65	YA94761	May 30/86	May 30			
NULEE 66	YA94762	May 30/86	May 30			
NULEE 67	YA94763	May 30/86	May 30			
NULEE 68	YA94764	May 30/86	May 30			
NULEE 69	YA94765	May 30/86	May 30			
NULEE 70	YA94766	May 30/86	May 30			
NULEE 71	YA94767	May 30/86	May 30			

CLAIM STATUS: McDADE PROPERTY AS OF OCT. 31, 1988

Claim	Grant	Rec. Date	Exp.1989	Exp.1990	Exp.1991	Exp.1992
NULEE 72	YA94768	May 30/86	May 30			
NULEE 73	YA94769	May 30/86		May 30		
NULEE 74	YA94770	May 30/86	May 30			
NULEE 75	YA94771	May 30/86		May 30		
NULEE 76	YA94772	May 30/86	May 30			
NULEE 77	YA94773	May 30/86		May 30		
NULEE 78	YA94774	May 30/86	May 30			
NULEE 79	YA94775	May 30/86		May 30		
NULEE 80	YA94776	May 30/86		May 30		
NULEE 81	YA94777	May 30/86		May 30		
NULEE 82	YA94778	May 30/86		May 30		
NULEE 83	YA94779	May 30/86		May 30		
NULEE 84	YA94780	May 30/86		May 30		
NULEE 85	YA94781	May 30/86		May 30		
NULEE 86	YA94782	May 30/86		May 30		
NULEE 87	YA94783	May 30/86		May 30		
NULEE 88	YA94784	May 30/86		May 30		
NULEE 89	YA94785	May 30/86		May 30		
NULEE 90	YA94786	May 30/86	May 30			
NULEE 91	YA94787	May 30/86		May 30		
NULEE 92	YA94788	May 30/86	May 30			
NULEE 93	YA94789	May 30/86		May 30		
NULEE 94	YA94790	May 30/86	May 30			
NULEE 95	YA94791	May 30/86		May 30		
NULEE 96	YA94792	May 30/86	May 30			
NULEE 97	YA94793	May 30/86	May 30			
NULEE 98	YA94794	May 30/86	May 30			
NULEE 99	YA94795	May 30/86	May 30			
NULEE 100	YA94796	May 30/86	May 30			
NULEE 101	YA94797	May 30/86	May 30			
NULEE 102	YA94798	May 30/86	May 30			
NULEE 103	YA94799	May 30/86	May 30			
NULEE 104	YA94800	May 30/86	May 30			
NULEE 105	YA94801	May 30/86	May 30			
NULEE 106	YA94802	May 30/86	May 30			
NULEE 107	YA94803	May 30/86	May 30			
NULEE 108	YA94804	May 30/86	May 30			
NULEE 109	YA94805	May 30/86	May 30			
NULEE 110	YA94806	May 30/86	May 30			
NULEE 111	YA94807	May 30/86	May 30			
NULEE 112	YA94808	May 30/86	May 30			
NULEE 113	YA94809	May 30/86	May 30			
NULEE 114	YA94810	May 30/86	May 30			
NULEE 115	YA94811	May 30/86	May 30			
NULEE 116	YA94812	May 30/86	May 30			
NULEE 117	YA94813	May 30/86	May 30			
NULEE 118	YA94814	May 30/86	May 30			
NULEE 119	YA94815	May 30/86	May 30			
NULEE 120	YA94816	May 30/86	May 30			

CLAIM STATUS: McDADE PROPERTY AS OF OCT. 31, 1988

Claim	Grant	Rec. Date	Exp.1989	Exp.1990	Exp.1991	Exp.1992
NULEE 121	YA94817	May 30/86	May 30			
NULEE 122	YA94818	May 30/86	May 30			
NULEE 123	YA94819	May 30/86	May 30			
NULEE 124	YA94820	May 30/86	May 30			
NULEE 125	YA94821	May 30/86	May 30			
NULEE 126	YA94822	May 30/86	May 30			
MOON 1	YA96510	Nov. 7/86	Nov. 6			
MOON 2	YA96511	Nov. 7/86	Nov. 6			
MOON 3	YA96512	Nov. 7/86	Nov. 6			
MOON 4	YA96513	Nov. 7/86	Nov. 6			

ANALYTICAL METHODS

All 1988 analytical work was performed by Acme Analytical Laboratories Ltd., 852 East Hastings Street, Vancouver, B.C. by methods described below.

Sample Preparation

Rock samples are crushed to -3/16", then 1/2 lb of crushed material is pulverized to -100 (inch) mesh (98%).

Analytical Methods

For Au; 20 or 30 gram samples are fused ignited at 600^{O}C, digested with hot aqua regia, extracted by MIBK and, analyzed by graphite furnace atomic absorbtion.

For;

Element	Detection
Ag	0.1 ppm
Cd, Co, Cr, Cu, Mn, Mo, Ni, Sr, Zn	1 ppm
As, Au, B, Ba, Bi, La, Pb, Sb, Th, V, W	2 ppm
U	5 ppm
Al, Ca, Fe, K, Mg, Na, P, Ti;	0.01%

For the above elements the following procedure is followed: 0.5 gram samples are digested with 3 mls 3-1-2 HCL-HNO_3-$H_2$0 at 95°C for one hour then diluted to 10 ml with water. This leach is near total for base metals, partial for Mn, Fe, Sr, Ca, P, La, Cr, Mg, Ba, Tl, B, W and limited for Na, K, and Al. Solubility limits Ag, Pb,Sb, Bi, and W for high grade samples.

ACME 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-HNO3-H2O 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-P5 SOIL P6-P11 SILT P12-P13 ROCK AU* ANALYSIS BY ACID LEACH/AA FROM 30 GM SAMPLE.

DATE RECEIVED: AUG 16 1988 DATE REPORT MAILED: Aug 29/88 ASSAYER. C. Leong ..D.TOYE OR C.LEONG, CERTIFIED B.C. ASSAYERS

AURUM GEOLOGICAL CONSULTANTS PROJECT 2200 File # 88-3709 Page 1

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 %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
8564001	1	14	10	49	.1	11	6	354	2.43	8	5	ND	1	17	1	2	2	49	.19	.047	9	24	.35	180	.06	11	1.57	.01	.07	1	3
8564002	1	11	15	45	.2	12	4	179	2.18	13	5	ND	4	13	1	2	2	42	.13	.011	11	24	.41	196	.04	4	1.67	.01	.07	1	5
8564003	1	14	29	73	.1	14	6	1419	2.31	31	5	ND	4	29	1	3	3	40	.35	.018	13	26	.38	711	.04	2	1.55	.01	.16	1	2
8564004	1	10	45	71	.1	10	4	985	2.39	41	5	ND	4	32	1	3	2	31	.26	.018	14	19	.29	711	.02	2	1.51	.01	.10	1	5
8564005	1	8	10	26	.1	3	2	169	1.24	3	5	ND	1	10	1	2	2	32	.08	.021	6	9	.09	62	.03	2	.89	.01	.03	1	1
8564006	1	8	11	44	.1	6	2	99	1.45	10	5	ND	1	17	1	3	2	28	.14	.043	11	16	.22	200	.02	2	1.16	.01	.09	2	2
8564007	1	9	13	54	.1	10	5	247	2.18	7	5	ND	2	19	1	2	2	35	.23	.047	23	22	.40	218	.03	2	1.60	.01	.10	2	1
8564008	1	10	12	50	.1	9	4	165	2.79	13	5	ND	4	12	1	2	2	55	.11	.019	12	21	.27	89	.04	2	1.68	.01	.07	1	1
8564009	1	10	11	52	.1	9	4	238	2.35	8	5	ND	4	17	1	3	3	46	.18	.019	17	21	.38	241	.05	2	1.55	.01	.10	1	1
8564010	1	14	8	74	.2	13	7	290	2.65	7	5	ND	6	21	1	5	2	42	.23	.037	26	25	.42	325	.04	2	1.71	.01	.14	1	4
8564011	1	18	11	83	.1	17	9	427	3.58	14	5	ND	14	18	1	2	2	49	.13	.018	33	32	.51	313	.04	2	2.33	.01	.18	1	3
8564012	1	13	12	70	.2	11	9	726	3.13	10	5	ND	8	14	1	2	2	45	.15	.034	21	22	.38	149	.04	2	1.62	.01	.15	1	3
8564013	1	14	11	51	.1	5	5	536	2.08	5	5	ND	3	12	1	2	3	43	.10	.031	19	14	.20	125	.05	2	1.06	.01	.09	1	2
8564014	1	10	10	48	.1	11	6	331	2.48	6	5	ND	6	13	1	2	2	41	.18	.036	18	21	.35	106	.05	4	1.40	.01	.08	1	1
8564015	1	13	6	43	.1	9	4	254	2.55	8	5	ND	1	10	1	2	2	55	.09	.032	10	19	.21	59	.06	2	1.49	.01	.04	2	1
8564016	1	32	7	91	.1	15	8	458	3.38	11	5	ND	4	20	1	2	2	68	.46	.116	15	21	.59	294	.09	2	1.15	.01	.23	1	1
8564017	2	15	8	81	.2	18	6	214	2.98	13	5	ND	6	19	1	3	2	64	.32	.053	20	26	.33	189	.05	3	.92	.01	.06	1	56
8564018	1	48	15	83	.4	23	11	774	3.65	18	5	ND	5	30	1	3	2	64	.31	.057	29	41	.48	753	.03	3	2.49	.01	.15	1	5
8564019	1	20	10	62	.1	16	9	359	2.67	15	5	ND	3	26	1	2	2	52	.32	.034	17	27	.34	344	.04	2	1.04	.01	.07	1	1
8564020	1	40	9	141	.1	32	9	407	4.15	29	5	ND	5	32	1	2	2	88	.44	.063	19	51	.70	361	.06	3	1.46	.01	.17	1	26
8564021	1	25	2	75	.1	23	8	397	3.05	15	5	ND	3	31	1	2	2	71	.39	.046	13	41	.60	324	.09	2	1.28	.01	.17	1	1
8564022	2	56	11	105	.3	49	16	1017	5.20	38	5	ND	7	27	1	2	2	96	.32	.056	28	65	.87	477	.09	2	2.73	.01	.25	1	5
8564023	1	16	10	71	.1	24	7	193	2.85	26	5	ND	3	17	1	2	2	71	.24	.020	12	41	.69	290	.10	4	1.51	.01	.15	1	17
8564024	1	20	11	57	.1	12	7	412	2.86	43	5	ND	1	33	1	2	2	58	.49	.048	16	27	.36	544	.03	4	1.29	.01	.11	1	7
8564025	1	20	10	97	.1	21	12	1099	3.39	30	5	ND	2	35	1	3	2	66	.70	.060	16	43	.83	641	.08	4	1.74	.01	.58	1	10
8564026	1	13	4	58	.1	10	6	299	2.86	25	5	ND	2	28	1	2	2	55	.48	.064	14	25	.35	426	.05	7	1.00	.01	.12	1	55
8564027	1	31	9	76	.1	14	13	553	4.78	22	5	ND	3	22	1	2	2	93	.61	.137	11	31	.76	322	.08	7	1.94	.01	.19	1	48
8564028	1	14	10	59	.1	12	7	316	3.27	11	5	ND	3	16	1	2	2	63	.23	.029	9	27	.49	198	.07	2	1.50	.01	.13	1	1
8564029	1	13	7	55	.1	17	6	201	3.64	10	5	ND	4	14	1	2	2	77	.25	.049	14	34	.48	117	.07	2	1.65	.01	.11	1	10
8564030	1	12	5	51	.1	14	6	196	4.13	10	5	ND	4	14	1	3	2	91	.27	.048	15	34	.38	141	.07	2	1.35	.01	.08	1	54
8564031	1	13	4	51	.1	13	5	177	3.63	10	5	ND	4	16	2	2	2	75	.27	.047	13	29	.38	199	.05	3	1.46	.01	.09	1	38
8564032	1	13	3	51	.1	14	6	206	3.49	8	5	ND	4	15	1	2	2	74	.25	.046	13	31	.47	114	.07	3	1.66	.01	.09	1	1
8564033	1	24	3	77	.1	11	13	338	4.30	17	5	ND	2	15	1	2	3	103	.30	.032	8	33	1.03	145	.12	5	2.33	.01	.25	1	28
8564034	1	10	6	42	.1	10	7	273	3.88	10	5	ND	5	14	1	2	2	88	.31	.113	17	31	.39	76	.08	2	1.07	.01	.07	2	49
8564035	1	10	2	45	.1	11	7	218	2.86	6	5	ND	5	15	1	2	2	60	.26	.045	14	24	.47	107	.08	15	1.41	.01	.07	1	31
8564036	1	18	6	51	.2	12	8	359	2.67	9	5	ND	1	32	1	2	2	56	.93	.046	16	28	.53	327	.06	6	1.64	.01	.13	1	19
STD C/AU-S	18	58	36	132	6.6	68	28	1014	4.05	40	18	7	37	47	18	16	19	57	.47	.091	40	59	.89	178	.06	34	1.94	.06	.15	11	48

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 %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
8564037	1	9	11	55	.1	11	6	244	2.34	6	5	ND	3	18	1	2	2	52	.31	.020	11	28	.52	107	.11	2	1.10	.01	.13	1	31
8564038	1	28	11	66	.3	17	8	369	3.32	8	5	ND	4	35	1	2	2	69	.71	.051	16	40	.62	615	.08	6	1.67	.01	.24	2	7
8564039	1	15	6	63	.2	13	6	331	3.08	4	5	ND	3	29	1	2	2	69	.60	.059	14	35	.60	282	.09	4	1.23	.02	.20	1	4
8564040	1	16	8	120	.1	18	12	645	4.61	8	5	ND	6	24	1	2	2	93	.56	.070	17	45	1.27	342	.20	5	1.80	.01	.91	1	5
8564041	1	11	8	49	.1	13	7	300	2.73	6	5	ND	3	22	1	2	2	58	.41	.022	14	32	.54	274	.09	4	1.23	.01	.13	2	46
8564042	1	22	10	76	.2	17	7	335	3.48	20	5	ND	5	27	1	2	3	70	.55	.038	19	39	.56	338	.07	6	1.60	.01	.20	1	94
8564043	1	37	17	86	.6	22	10	433	4.36	32	5	ND	5	32	1	19	2	84	.66	.059	50	51	.80	560	.08	3	2.43	.01	.72	1	10
8564044	1	14	9	88	.1	8	9	442	4.11	58	5	ND	4	15	1	10	2	60	.26	.039	13	19	.40	136	.05	4	.90	.01	.15	1	1
8564045	1	16	11	66	.1	16	8	306	4.23	28	5	ND	5	17	1	2	2	84	.25	.041	13	34	.56	165	.09	3	1.65	.01	.20	1	12
8564046	1	17	13	67	.4	20	9	267	3.41	22	8	ND	5	20	1	5	2	69	.28	.019	13	37	.70	164	.12	8	1.83	.01	.20	1	1
8564047	1	14	8	35	.1	16	6	221	3.78	8	5	ND	7	15	1	4	2	84	.30	.066	17	34	.34	112	.07	5	1.27	.01	.10	2	18
8564048	1	14	7	46	.1	12	8	412	3.19	14	5	ND	3	18	1	7	3	68	.25	.031	19	30	.49	340	.07	2	1.47	.01	.09	2	48
8564049	1	17	11	71	.2	12	6	256	3.28	36	5	ND	3	17	1	44	2	72	.18	.029	11	24	.34	569	.07	5	1.37	.01	.09	1	1
8564050	1	20	11	95	.1	15	9	369	4.79	23	5	ND	5	20	1	8	2	81	.21	.033	17	33	.50	315	.07	11	1.83	.01	.09	1	63
8564051	1	25	14	74	.2	20	9	349	4.40	18	5	ND	5	23	1	2	2	89	.27	.036	15	45	.64	276	.11	4	2.30	.01	.09	1	1
8564052	3	102	18	243	.3	62	15	353	6.29	22	5	ND	7	19	1	5	2	191	.21	.048	14	103	1.30	101	.14	6	2.63	.01	.09	1	2
8564053	3	38	11	126	.1	32	10	373	4.71	163	5	ND	3	15	1	11	2	92	.14	.024	12	36	.22	275	.03	3	1.45	.01	.05	1	12
8564054	1	14	10	45	.1	12	6	156	3.99	14	5	ND	4	13	1	2	2	89	.19	.037	13	31	.30	103	.07	3	1.37	.01	.05	1	1
8564055	1	8	7	48	.1	10	6	428	3.48	4	5	ND	6	22	1	2	2	77	.61	.126	22	27	.33	174	.07	7	.89	.02	.08	1	3
8564056	1	7	2	39	.2	4	5	347	3.47	4	5	ND	7	21	1	2	2	70	.58	.127	28	18	.18	127	.07	22	.59	.01	.04	1	400
8564057	1	4	10	49	.1	4	5	295	2.25	29	5	ND	7	14	1	2	2	31	.21	.036	27	9	.13	190	.02	4	.80	.01	.07	2	2
8564058	1	564	2251	3065	28.3	5	6	2448	5.90	2047	5	3	3	71	33	224	17	19	1.78	.059	8	6	.14	40	.01	5	.70	.02	.18	1	4123
8564059	1	453	1963	2106	27.7	4	5	2087	5.55	2965	5	3	3	82	24	220	22	19	1.71	.059	7	5	.12	47	.01	6	.64	.02	.22	1	5624
8564060	1	25	28	117	.1	19	8	576	3.64	32	5	ND	4	39	1	2	2	66	.65	.084	15	37	.60	292	.07	2	1.56	.02	.20	1	16
8564061	1	28	45	152	.8	16	8	474	3.95	42	5	ND	6	35	2	3	2	76	.63	.089	16	36	.70	274	.10	4	1.57	.02	.64	1	102
8564062	1	37	17	97	.3	15	7	300	4.24	30	5	ND	5	25	1	3	2	89	.56	.071	19	26	.55	385	.08	8	1.42	.01	.62	1	26
8564063	1	22	12	78	.2	12	6	256	3.77	19	5	ND	4	29	1	2	2	73	.61	.069	20	27	.41	287	.05	4	1.34	.01	.13	1	65
8564064	1	27	8	67	.1	13	7	217	2.72	12	5	ND	2	29	1	2	3	64	.59	.032	15	27	.43	311	.05	2	1.33	.01	.13	1	7
8564065	1	19	11	89	.2	12	8	284	4.91	22	5	ND	4	31	1	2	2	75	.56	.035	13	29	.49	350	.04	3	1.70	.01	.16	1	64
8564066	1	40	8	98	.3	15	7	339	4.11	18	5	ND	5	31	1	2	3	77	.65	.073	16	32	.64	357	.08	5	1.71	.01	.69	1	8
8564067	1	19	8	97	.2	10	8	330	4.25	17	5	ND	6	22	1	2	2	85	.51	.088	17	30	.79	296	.12	6	1.59	.01	.76	1	1
8564068	1	15	8	90	.2	13	8	296	3.65	11	5	ND	6	35	1	2	2	65	.56	.088	15	35	.54	171	.08	7	1.46	.02	.21	1	1
8564069	1	37	11	119	.1	18	10	489	4.96	18	5	ND	6	26	1	4	2	86	.53	.107	18	35	.73	329	.11	2	1.68	.02	.50	1	42
8564070	1	34	9	90	.2	16	8	447	4.13	16	5	ND	5	29	1	2	3	75	.56	.088	20	31	.58	314	.08	8	1.45	.02	.45	1	103
8564071	1	28	11	100	.2	15	7	277	4.11	29	5	ND	7	19	1	3	2	74	.43	.075	21	29	.43	162	.06	6	1.08	.01	.18	1	39
8564072	1	16	15	96	.1	9	9	331	7.02	20	5	ND	6	31	1	4	2	67	.62	.067	14	23	.39	521	.04	5	1.32	.01	.15	1	15
STD C/AU-S	18	58	37	132	7.2	68	29	1023	4.01	38	19	7	37	47	17	16	20	58	.47	.094	39	60	.91	176	.07	34	1.97	.06	.15	11	51

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 %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
8564073	1	15	15	65	.2	16	12	417	3.12	37	5	ND	5	21	1	2	2	61	.29	.047	14	27	.40	145	.08	5	1.45	.01	.07	1	1
8564074	1	14	7	52	.3	15	7	414	2.95	9	5	ND	5	23	2	2	2	63	.31	.042	16	28	.44	138	.09	5	1.46	.01	.07	2	9
8564075	1	15	6	50	.3	17	8	427	3.06	12	7	ND	6	21	3	2	2	64	.34	.040	19	33	.47	197	.08	7	1.58	.01	.08	2	11
8564076	1	16	9	54	.1	16	8	384	2.94	9	5	ND	6	20	1	2	2	67	.27	.055	21	28	.34	81	.06	7	1.37	.01	.10	1	13
8564077	1	13	8	51	.2	15	7	360	2.86	10	6	ND	5	18	1	2	2	57	.30	.050	15	27	.44	100	.08	5	1.49	.01	.08	2	1
8564078	1	15	12	54	.3	14	7	235	3.89	16	5	ND	5	20	2	2	2	79	.25	.043	14	30	.41	133	.09	5	1.69	.01	.08	2	83
8564079	1	25	9	71	.2	13	6	362	2.68	9	5	ND	7	17	2	2	2	48	.27	.044	18	23	.32	101	.05	4	1.35	.01	.07	2	2
8564080	1	21	13	60	.1	19	8	379	3.82	10	5	ND	6	19	1	2	2	76	.32	.066	19	36	.42	72	.08	2	1.75	.01	.08	1	25
8564081	1	17	11	58	.2	14	10	470	2.91	13	5	ND	6	16	2	3	2	55	.26	.054	15	25	.37	62	.06	6	1.36	.01	.10	1	6
8564082	1	18	9	71	.2	10	9	713	3.65	14	5	ND	6	19	2	3	2	55	.38	.036	21	17	.39	130	.05	5	1.15	.01	.17	1	1
8564083	1	16	14	70	.3	15	8	449	3.53	11	6	ND	5	20	1	2	2	60	.31	.043	17	32	.59	211	.08	6	2.27	.01	.18	1	1
8564084	1	31	15	84	.3	12	11	690	4.36	12	6	ND	1	25	1	2	2	75	.31	.063	23	27	.43	395	.02	3	2.81	.01	.22	1	1
8564085	1	28	14	93	.4	11	11	813	4.63	15	6	ND	2	26	1	2	2	72	.46	.065	20	23	.41	412	.02	5	2.45	.01	.22	1	1
8564086	1	24	16	73	.4	14	7	356	3.26	14	5	ND	1	27	2	2	2	64	.37	.042	22	27	.41	448	.02	8	2.20	.01	.17	1	1
8564087	1	44	13	153	.5	10	22	1304	8.85	8	5	ND	10	26	2	3	2	166	.62	.150	35	27	1.31	394	.18	7	2.56	.02	.93	1	1
8564088	1	13	11	58	.2	11	7	320	3.31	7	6	ND	5	17	1	2	2	66	.28	.039	15	25	.46	103	.08	5	1.72	.01	.11	1	1
8564089	1	22	10	112	.4	19	15	1250	6.62	24	8	ND	3	37	1	2	2	76	.47	.161	28	36	.43	408	.05	3	2.15	.01	.13	1	2
8564090	1	16	10	75	.4	16	8	638	3.87	9	5	ND	4	27	2	2	2	78	.48	.088	25	31	.41	236	.07	9	1.41	.01	.11	1	19
8564091	1	30	11	36	.2	17	7	160	1.93	32	5	ND	6	411	1	2	2	65	.55	.063	26	53	.31	438	.01	6	2.18	.01	.10	1	1
8564092	1	29	6	73	.2	32	9	421	5.16	66	5	ND	6	255	1	2	2	115	.51	.051	19	56	.24	508	.01	4	1.45	.01	.10	1	1
8564093	1	137	18	28	.2	15	4	71	1.07	43	6	ND	7	888	1	2	2	33	.57	.116	38	31	.26	350	.01	5	1.52	.02	.07	1	1
8564094	1	73	11	51	.1	23	9	1539	2.36	17	5	ND	7	388	1	2	4	49	.54	.057	27	39	.26	365	.01	2	1.34	.01	.07	1	3
8564095	1	22	11	50	.3	33	8	339	4.00	131	5	ND	4	383	2	2	2	112	.58	.042	14	71	.39	347	.01	10	1.85	.03	.12	1	1
8564096	1	40	7	59	.2	47	11	853	3.61	228	5	ND	3	252	1	2	2	108	.73	.041	14	66	.45	425	.01	8	2.06	.02	.10	1	5
8564097	1	24	4	40	.2	21	5	235	2.52	22	5	ND	3	141	1	2	3	63	.49	.070	17	50	.30	226	.01	5	1.95	.02	.06	1	1
8564098	1	25	11	68	.2	24	8	427	4.10	54	5	ND	5	318	2	2	2	92	.54	.067	18	45	.23	509	.01	5	2.48	.03	.07	1	1
8564099	1	34	6	66	.3	18	8	672	3.43	21	5	ND	2	187	2	2	2	68	.55	.059	16	28	.23	565	.01	7	2.12	.03	.05	1	1
8564100	1	16	10	44	.2	8	6	244	2.83	26	7	ND	3	216	2	2	2	71	.56	.058	15	31	.28	277	.01	6	2.00	.03	.06	1	1
8564101	1	26	9	121	.3	25	16	891	5.40	23	6	ND	7	29	2	2	2	115	.23	.080	18	51	.65	145	.10	6	2.48	.01	.57	1	12
8564102	1	27	9	71	.4	22	7	325	3.18	9	7	ND	2	18	3	2	2	65	.26	.059	17	44	.55	133	.07	6	1.76	.01	.20	1	4
8564103	1	20	8	75	.4	23	10	529	3.35	8	5	ND	4	22	2	2	2	68	.31	.048	17	44	.74	142	.11	7	2.14	.01	.24	1	26
8564104	1	21	9	66	.3	20	9	362	3.13	7	5	ND	4	20	1	2	2	68	.26	.039	17	41	.60	159	.10	5	1.88	.01	.21	1	1
8564105	1	28	12	68	.7	18	8	309	6.17	10	5	ND	3	21	2	2	2	87	.25	.071	15	38	.52	166	.04	6	2.09	.01	.16	1	11
8564106	1	28	5	66	.3	13	11	599	3.58	8	5	ND	2	20	1	2	2	73	.24	.047	14	28	.50	120	.07	15	1.56	.01	.11	1	3
8564107	2	30	6	72	.4	16	10	462	4.22	15	7	ND	4	24	2	2	2	68	.34	.081	17	28	.43	92	.05	6	1.42	.01	.11	1	7
8564108	1	32	11	79	.5	23	9	308	4.00	13	7	ND	2	25	2	2	2	80	.33	.053	16	47	.71	191	.08	6	2.27	.01	.19	1	39
STD C/AU-S	17	58	36	132	6.6	68	28	1062	4.10	41	23	7	36	47	18	17	19	57	.47	.089	39	57	.90	165	.07	33	1.96	.06	.15	12	53

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 %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
8564109	1	18	6	62	.3	11	7	274	2.91	7	6	ND	5	19	2	2	2	64	.26	.035	13	27	.46	121	.08	11	1.40	.01	.07	1	56
8564110	1	17	13	58	.3	13	6	160	2.41	7	5	ND	4	20	2	2	2	60	.32	.056	14	28	.69	134	.08	5	1.94	.01	.12	1	6
8564111	1	15	9	55	.4	13	5	141	2.13	7	5	ND	4	18	2	2	2	51	.28	.050	14	29	.55	107	.07	10	1.64	.01	.08	2	3
8564112	1	22	9	57	.6	14	6	144	2.23	8	5	ND	6	18	1	2	2	61	.31	.057	15	35	.66	120	.07	8	2.12	.01	.09	1	18
8564113	1	11	7	72	.2	10	5	214	2.03	5	5	ND	3	39	1	2	2	38	.78	.084	19	22	.37	387	.04	5	1.47	.02	.09	1	10
8564114	1	17	17	77	.3	12	8	253	3.18	11	6	ND	13	15	2	2	2	39	.12	.020	30	22	.32	72	.02	5	1.85	.01	.12	1	1
8564115	1	13	14	60	.2	14	6	235	3.01	11	5	ND	5	18	1	2	2	60	.23	.032	19	29	.55	148	.08	7	1.63	.01	.11	1	1
8564116	1	13	8	50	.1	13	7	226	2.77	8	5	ND	7	17	1	2	2	52	.24	.036	18	29	.45	158	.07	6	1.74	.01	.10	2	9
8564117	1	11	11	79	.3	11	6	397	2.89	8	5	ND	6	17	2	2	2	57	.20	.052	19	27	.41	85	.08	6	1.57	.01	.14	1	24
8564118	1	9	12	45	.1	5	5	409	2.03	9	5	ND	5	11	1	2	2	35	.11	.018	18	13	.15	66	.02	7	.71	.01	.08	1	1
8564119	1	12	11	47	.2	11	5	211	2.99	7	5	ND	4	12	1	2	2	56	.15	.036	17	23	.36	86	.07	8	1.63	.01	.07	1	1
8564120	1	24	11	56	.1	8	6	356	2.43	7	5	ND	4	12	2	3	3	35	.20	.049	27	15	.25	141	.03	5	1.18	.01	.11	1	1
8564121	1	16	14	71	.4	11	7	484	2.93	12	6	ND	8	29	1	2	2	41	.37	.063	52	26	.41	444	.02	8	2.13	.01	.18	1	1
8564122	1	11	12	79	.3	9	7	225	3.39	8	5	ND	11	15	1	2	2	47	.14	.018	15	17	.40	204	.04	8	1.74	.01	.17	1	1
8564123	1	11	6	61	.2	15	8	248	2.97	7	5	ND	5	20	1	2	2	57	.22	.017	11	31	.53	296	.09	5	1.98	.01	.13	1	1
8564124	1	13	15	64	.3	12	7	211	3.36	9	5	ND	7	12	2	2	2	54	.13	.017	14	25	.45	137	.05	8	1.91	.01	.14	1	1
8564125	1	11	16	91	.3	5	8	674	3.16	7	6	ND	18	36	3	2	2	30	.18	.037	47	10	.25	114	.02	17	.95	.01	.17	1	1
8564126	1	16	13	67	.2	12	11	1006	3.00	6	5	ND	6	22	1	2	2	55	.21	.023	12	24	.45	166	.08	4	1.70	.01	.13	1	1
8564127	1	40	17	135	.1	6	6	300	4.11	11	6	ND	16	6	1	9	2	31	.06	.031	62	10	.23	38	.01	10	1.62	.01	.18	1	1
8564128	1	18	12	99	.1	11	11	707	4.13	9	5	ND	11	16	1	2	2	58	.14	.027	48	23	.60	109	.10	2	2.46	.01	.17	1	1
8564129	1	18	11	76	.3	14	8	273	3.80	12	5	ND	14	16	2	3	2	55	.18	.026	28	28	.66	102	.09	5	2.54	.01	.35	1	1
8564130	1	11	10	63	.3	9	4	187	2.75	9	5	ND	7	14	2	3	2	45	.13	.030	18	18	.31	64	.05	7	1.26	.01	.16	1	1
8564131	1	16	13	55	.1	14	6	172	2.51	12	5	ND	10	17	1	2	2	41	.17	.021	19	23	.42	108	.05	15	1.63	.01	.09	1	1
8564132	1	14	13	112	.1	8	9	487	4.51	16	5	ND	28	15	2	5	2	45	.19	.067	83	18	.55	94	.03	2	2.64	.01	.62	1	5
8564133	1	11	9	57	.1	12	6	365	2.99	12	5	ND	3	14	1	2	3	59	.16	.063	13	24	.43	58	.08	2	1.43	.01	.10	1	1
8564134	1	15	10	61	.2	12	6	319	2.57	10	5	ND	10	17	1	2	2	40	.17	.029	22	22	.37	90	.05	6	1.50	.01	.08	1	2
8564135	1	27	9	77	.4	12	8	477	4.56	60	5	ND	5	39	1	2	2	68	.66	.048	17	25	.46	358	.03	4	1.37	.01	.11	1	21
8564136	1	29	12	92	.5	11	11	527	5.41	92	5	ND	8	26	1	3	3	67	.59	.126	20	18	.53	287	.04	6	1.19	.01	.15	1	145
8564137	1	25	8	120	.4	9	13	671	6.45	80	5	ND	6	37	1	3	2	75	.96	.282	20	16	.58	595	.03	5	1.43	.01	.20	1	132
8564138	1	29	15	83	.5	11	11	622	4.75	145	5	ND	6	28	1	4	4	58	.72	.195	20	16	.45	335	.03	7	1.00	.01	.11	4	415
8564139	1	33	11	87	.7	10	10	459	5.10	206	5	ND	6	30	1	3	3	60	.72	.164	23	17	.42	351	.03	3	1.05	.01	.12	2	540
8564140	1	22	8	63	.6	11	8	384	4.33	170	5	ND	7	26	1	3	3	66	.58	.121	19	22	.34	275	.04	16	.83	.02	.09	2	275
8564141	1	29	12	75	.5	12	9	331	5.21	183	5	ND	6	27	1	4	2	80	.53	.080	21	27	.50	184	.05	5	1.17	.01	.12	2	585
8564142	1	15	12	107	.5	10	9	447	4.62	493	5	ND	5	29	1	3	2	25	.74	.154	12	10	.16	209	.01	7	.83	.01	.14	1	73
8564143	1	32	12	74	.5	15	9	460	4.17	96	5	ND	5	38	1	2	2	65	.68	.068	21	25	.49	358	.04	8	1.39	.01	.12	2	45
8564144	1	39	11	82	.5	12	10	499	5.16	117	5	ND	5	33	1	2	2	68	.73	.142	22	22	.52	490	.04	7	1.21	.01	.13	4	59
STD C/AU-S	17	58	38	132	6.7	68	28	919	4.01	41	19	8	37	47	17	17	19	56	.47	.091	39	60	.92	174	.06	32	1.94	.06	.14	11	53

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 %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
8564145	1	37	9	83	.3	11	11	478	5.54	113	5	ND	5	30	1	3	2	73	.75	.158	22	22	.57	417	.05	4	1.22	.02	.12	7	240
8564146	1	27	12	89	.1	15	10	519	4.65	76	5	ND	3	33	1	2	4	64	.71	.119	19	26	.55	447	.06	3	1.25	.02	.14	1	30
8564147	1	13	6	50	.1	10	6	251	4.03	34	5	ND	3	22	1	2	2	73	.44	.068	18	25	.32	134	.05	2	.83	.01	.07	1	22
8564148	1	26	5	83	.1	15	12	555	4.88	141	5	ND	4	27	3	3	2	68	.77	.195	21	24	.64	426	.07	4	1.19	.02	.15	4	47
8564149	1	16	11	59	.1	13	8	347	4.27	36	5	ND	5	25	2	2	2	75	.49	.068	19	28	.45	174	.06	4	1.13	.02	.10	1	77
8564150	1	28	8	102	.3	14	13	690	5.90	130	5	ND	5	32	2	2	2	80	.87	.239	20	25	.75	432	.09	5	1.43	.02	.23	1	63
STD C/AU-S	18	57	37	131	7.1	67	28	963	4.12	40	17	8	36	47	16	17	17	56	.47	.095	39	60	.90	173	.06	33	1.94	.06	.15	11	51

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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 %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
8541001	1	11	7	47	.3	14	8	284	7.46	5	5	ND	15	27	1	2	2	182	.80	.189	42	58	.31	83	.10	11	.70	.02	.06	5	81
8541002	1	14	7	67	.1	11	7	246	2.87	13	5	ND	9	20	1	3	2	55	.40	.083	20	23	.31	133	.06	6	.83	.01	.08	1	10
8541010	1	10	5	79	.2	10	5	253	1.96	8	5	ND	3	22	1	2	2	40	.37	.055	13	19	.31	135	.05	8	.85	.01	.07	1	1
8541100	1	14	2	80	.1	9	4	179	2.31	10	5	ND	3	22	2	2	2	49	.34	.055	14	25	.38	172	.06	8	1.44	.01	.09	1	1
8544001	1	14	13	88	.3	10	9	854	3.75	6	5	ND	6	23	1	2	4	85	.31	.055	31	22	.28	314	.07	6	1.46	.01	.11	1	1
8544002	1	14	9	71	.3	11	8	755	3.43	8	5	ND	6	24	1	2	2	69	.41	.083	30	27	.31	308	.04	4	1.44	.01	.10	1	2
8544003	1	13	11	74	.1	10	8	524	2.94	5	5	ND	5	25	2	2	3	47	.36	.072	30	24	.40	303	.04	3	1.70	.01	.13	2	23
8544004	1	10	7	49	.1	10	6	299	2.50	3	5	ND	5	20	1	2	2	49	.29	.042	18	25	.42	145	.07	2	1.25	.01	.08	2	1
8544005	1	12	4	57	.1	8	10	1455	2.50	2	5	ND	4	20	1	2	2	50	.37	.055	35	16	.25	414	.04	6	1.35	.01	.06	1	1
8544006	1	10	9	57	.1	8	6	511	1.98	3	5	ND	2	20	1	2	3	36	.36	.058	27	17	.28	313	.03	8	1.24	.01	.06	1	1
8544007	1	16	10	79	.2	11	8	920	2.27	2	5	ND	3	30	1	2	2	34	.46	.071	39	25	.34	503	.02	6	1.70	.01	.09	1	1
8544008	1	12	8	57	.1	7	6	524	2.58	9	5	ND	4	27	2	2	2	39	.33	.072	38	17	.31	189	.03	7	1.36	.01	.11	1	1
8544009	1	15	11	64	.3	7	7	841	2.50	7	5	ND	4	26	2	3	4	42	.28	.061	23	18	.30	199	.02	6	1.52	.01	.11	1	1
8561003	1	10	14	63	.1	10	6	303	3.46	18	5	ND	5	13	1	2	2	78	.19	.048	14	31	.43	89	.10	3	1.61	.01	.07	2	1
8561004	1	9	11	47	.1	7	5	172	1.96	7	5	ND	2	15	1	2	3	50	.19	.019	9	19	.33	121	.08	8	1.03	.01	.05	1	1
8561005	1	7	12	53	.1	9	6	235	2.23	9	5	ND	3	14	1	2	3	45	.23	.036	12	24	.34	135	.06	3	1.35	.01	.06	2	2
8561006	1	20	11	48	.4	7	2	59	1.27	6	5	ND	1	16	1	2	2	17	.15	.079	12	14	.12	174	.01	2	1.24	.01	.04	1	1
8561008	1	12	11	66	.3	12	5	149	1.93	7	5	ND	1	20	1	2	3	37	.24	.056	12	26	.40	270	.05	3	1.67	.01	.07	1	4
8561009	1	11	8	81	.2	13	7	306	3.29	13	5	ND	3	18	1	2	2	69	.28	.063	16	33	.44	172	.07	2	1.59	.01	.09	1	53
8561011	1	18	12	88	.1	21	7	257	3.19	40	5	ND	5	18	1	4	2	71	.26	.032	15	39	.59	95	.11	12	1.21	.01	.14	1	20
8561012	1	32	11	133	.1	26	10	548	4.45	40	5	ND	5	32	1	5	2	85	.45	.046	20	51	.94	376	.14	8	1.75	.02	.25	1	6
8561013	1	30	13	133	.2	30	10	304	4.47	15	5	ND	6	27	1	2	2	110	.38	.066	14	62	1.38	320	.20	12	2.19	.02	.74	1	1
8561014	1	27	10	133	.1	26	10	536	4.31	31	5	ND	7	28	1	4	2	86	.41	.064	20	53	.88	323	.14	8	1.75	.02	.19	1	40
8561015	1	30	13	123	.1	25	13	1011	3.91	26	5	ND	5	31	1	3	2	79	.44	.064	20	50	.79	407	.11	2	1.66	.02	.17	1	2
8561016	1	38	18	172	.1	31	15	898	6.76	19	5	ND	9	28	1	2	2	128	.62	.183	24	53	1.34	458	.20	7	2.36	.02	1.01	1	1
8561017	2	40	15	119	.1	26	8	345	4.44	20	5	ND	4	39	1	3	2	136	.21	.041	17	71	1.38	555	.25	2	2.14	.02	.99	1	23
8561018	1	28	13	92	.3	27	10	365	3.48	31	5	ND	4	22	1	3	2	68	.32	.039	15	47	.77	175	.11	3	1.61	.01	.20	1	21
8561022	1	31	7	92	.2	36	11	391	3.87	34	5	ND	5	29	1	3	2	81	.36	.051	15	76	1.07	298	.14	2	1.82	.02	.26	1	12
8561023	1	26	18	131	.2	30	10	333	3.79	53	5	ND	4	28	1	3	2	77	.43	.067	18	57	1.00	325	.12	2	2.13	.01	.68	1	14
8561025	1	23	13	83	.3	24	9	416	3.02	18	5	ND	3	33	1	2	2	64	.48	.039	18	65	.79	369	.10	2	1.76	.01	.14	2	1
8561026	1	24	13	81	.2	13	8	417	5.91	47	5	ND	3	32	1	6	2	71	.57	.055	15	29	.50	371	.05	2	1.38	.01	.12	1	3
8561027	1	24	13	175	.2	12	16	1055	8.64	87	5	ND	6	29	1	13	2	135	.58	.080	13	38	1.34	615	.23	2	2.04	.01	.96	1	10
8561028	1	15	8	85	.2	14	8	421	3.46	13	5	ND	4	20	1	7	3	69	.36	.047	13	28	.64	180	.11	4	1.40	.01	.18	1	20
8561029	1	19	10	103	.1	12	9	492	4.15	26	5	ND	4	15	1	12	2	74	.32	.068	11	22	.48	141	.06	4	1.20	.01	.16	1	2
8561030	1	30	8	62	.1	18	11	573	2.74	16	5	ND	3	36	1	21	2	49	.69	.063	16	36	.54	633	.04	2	1.79	.01	.12	1	4
8561032	1	10	9	68	.1	8	7	638	3.25	11	5	ND	5	20	1	7	2	68	.45	.074	16	28	.59	190	.10	2	1.29	.01	.22	1	1
STD C/AU-S	17	58	43	132	7.1	67	28	1044	4.10	39	17	8	36	47	16	17	19	56	.47	.089	38	60	.92	176	.06	33	1.93	.06	.14	12	50

AURUM GEOLOGICAL CONSULTANTS PROJECT 2200 FILE # 88-3709

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 %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
8561033	1	10	7	54	.1	13	6	247	2.94	6	5	ND	4	19	1	2	2	63	.28	.023	13	30	.54	279	.11	4	1.41	.01	.13	1	9
8561036	2	13	7	60	.1	15	9	436	3.09	27	5	ND	4	14	1	2	2	78	.15	.020	12	33	.27	82	.09	18	.77	.01	.11	1	29
8561037	2	33	9	124	.1	45	11	322	4.53	56	5	ND	5	19	1	2	2	93	.20	.036	15	60	.71	148	.12	4	1.67	.01	.23	1	34
8561038	2	38	17	123	.3	45	12	469	4.25	38	5	ND	5	21	1	4	5	86	.24	.037	22	78	.89	395	.12	2	2.05	.01	.75	2	6
8561039	7	35	12	126	.1	41	12	468	4.84	80	5	ND	5	18	1	6	3	78	.16	.037	18	45	.44	174	.06	3	1.32	.01	.19	1	1
8561040	3	46	12	112	.1	48	11	291	4.30	85	5	ND	2	32	1	3	2	70	.43	.085	14	57	.56	508	.06	2	1.46	.01	.12	1	2
8561041	2	27	10	141	.2	27	9	379	4.75	29	5	ND	6	13	1	2	2	97	.12	.033	16	37	.56	119	.10	2	1.42	.01	.18	1	1
8561043	1	10	6	50	.2	14	6	249	2.63	8	5	ND	4	18	1	2	2	60	.28	.031	14	33	.59	156	.10	2	1.36	.01	.08	2	3
8561044	1	28	12	110	.2	31	10	436	4.00	42	5	ND	6	22	1	2	2	71	.36	.074	19	56	.77	335	.09	7	1.65	.01	.22	1	46
8561045	2	37	3	118	.1	48	11	381	4.37	52	5	ND	6	20	1	4	3	83	.34	.073	16	64	.83	169	.12	4	1.54	.01	.67	1	2
8561046	1	36	12	112	.1	38	11	357	4.63	86	5	ND	6	23	1	3	2	89	.37	.092	20	85	1.24	330	.16	2	2.20	.01	.95	1	2
8561047	1	26	5	91	.2	33	9	292	3.83	37	5	ND	5	19	1	2	3	81	.31	.053	16	60	.90	160	.14	6	1.75	.01	.65	1	8
8561048	1	34	7	99	.1	36	11	405	4.35	60	5	ND	7	19	1	2	5	84	.31	.053	20	62	.90	147	.13	9	1.80	.01	.62	1	1
8561050	2	29	7	98	.1	36	11	434	3.92	33	5	ND	3	20	1	2	2	83	.31	.054	14	59	.82	188	.13	4	1.50	.01	.28	1	7
8561052	2	43	11	123	.1	50	12	328	5.25	53	5	ND	7	18	1	2	2	104	.30	.068	16	72	.99	278	.17	2	2.08	.01	.56	1	11
8561053	3	25	17	72	.4	24	9	347	3.91	269	5	ND	5	31	1	2	3	64	.38	.055	15	42	.61	251	.07	3	1.20	.01	.14	1	3
8561054	2	57	19	187	.1	58	17	594	5.99	85	5	ND	6	25	1	4	2	103	.39	.051	16	107	1.14	290	.17	2	1.92	.01	.72	1	1
8561055	1	28	9	112	.1	31	11	376	4.33	18	5	ND	4	27	1	2	2	94	.45	.047	13	72	1.01	277	.18	2	1.85	.01	.27	1	1
8561056	1	21	7	61	.4	15	7	270	3.91	9	5	ND	6	16	1	2	2	69	.19	.035	12	43	.50	110	.10	5	2.73	.01	.10	1	3
8561059	2	30	14	116	.1	21	8	354	4.71	27	5	ND	7	14	1	3	2	93	.15	.037	22	30	.33	122	.05	2	1.61	.01	.10	1	14
8561060	1	22	11	102	.1	27	9	397	4.41	18	5	ND	6	19	1	2	2	90	.29	.054	18	48	.59	155	.10	2	1.67	.01	.20	1	46
8561061	1	30	10	106	.2	36	11	465	4.16	22	5	ND	4	28	1	3	2	83	.38	.069	18	73	.85	348	.11	9	1.93	.02	.29	1	3
8561062	2	51	20	161	.2	60	25	944	5.78	53	5	ND	5	21	1	3	2	108	.26	.062	18	71	.90	335	.12	2	1.88	.01	.79	1	27
8561064	2	49	11	151	.1	55	14	393	5.39	67	5	ND	6	20	1	3	2	85	.25	.066	20	56	.81	338	.11	2	1.71	.01	.65	1	29
8561065	1	14	9	175	.1	9	7	778	2.79	9	5	ND	3	14	1	2	2	56	.15	.041	10	25	.31	107	.06	4	1.03	.02	.09	1	2
8561066	2	22	6	127	.1	18	14	954	8.22	19	5	ND	5	15	1	2	2	126	.12	.082	11	56	.76	147	.08	2	1.87	.01	.23	1	25
8561067	2	22	13	87	.1	17	22	960	8.55	5	5	ND	5	44	1	2	2	90	.16	.104	12	40	.87	134	.09	3	1.97	.03	.93	1	11
8561069	3	20	10	58	.3	13	8	326	4.35	35	5	ND	5	25	1	2	2	48	.28	.063	18	32	.41	354	.03	7	1.68	.01	.13	1	38
8561070	1	17	11	59	.1	12	13	701	3.76	12	5	ND	5	20	1	2	2	59	.30	.064	17	28	.47	180	.07	4	1.32	.01	.12	1	27
8561071	4	31	8	65	.1	10	10	459	4.48	7	5	ND	5	26	1	3	5	59	.29	.090	17	24	.35	86	.06	7	.84	.02	.14	1	3
8561072	5	32	11	78	.1	22	16	628	6.15	11	5	ND	6	46	1	2	2	60	.37	.149	18	58	.51	233	.06	5	1.12	.02	.28	1	6
8561073	2	29	7	72	.3	13	9	286	3.71	6	5	ND	3	44	1	2	3	49	.25	.072	16	37	.50	384	.03	2	1.81	.01	.17	1	9
8561074	2	20	12	95	.4	14	11	577	3.73	14	5	ND	3	27	1	2	2	48	.22	.066	14	35	.43	344	.04	2	1.69	.01	.12	1	136
8561075	2	11	4	54	.3	11	7	232	2.85	7	5	ND	3	21	1	2	2	46	.27	.058	15	26	.35	171	.03	2	1.19	.01	.09	1	30
8561077	1	15	12	69	.5	12	6	181	2.77	7	5	ND	2	20	1	2	3	52	.29	.076	17	32	.44	300	.06	2	1.62	.01	.10	1	4
8561079	1	11	6	53	.1	9	9	462	3.75	6	5	ND	5	13	1	3	3	74	.21	.039	16	28	.41	106	.09	2	1.02	.01	.14	2	51
STD C/AU-S	18	58	39	132	6.7	68	29	1024	4.25	41	17	8	37	47	16	17	19	58	.48	.092	39	61	.93	175	.07	33	1.97	.06	.15	12	48

AURUM GEOLOGICAL CONSULTANTS PROJECT 2200 FILE # 88-3709

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 %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
8561082	3	40	8	91	.1	11	14	863	6.17	16	5	ND	6	15	2	2	4	71	.15	.055	21	26	.43	93	.09	2	1.07	.01	.22	1	24
8561083	1	32	7	70	.2	13	8	434	3.59	10	5	ND	2	20	1	2	3	51	.24	.039	18	26	.36	273	.04	3	1.52	.01	.14	1	13
8561084	1	31	9	64	.2	13	8	483	3.92	14	5	ND	2	23	1	2	3	56	.29	.040	17	27	.37	258	.04	2	1.40	.01	.12	1	5
8561085	1	19	3	60	.2	9	8	637	4.32	10	5	ND	5	15	2	2	2	70	.25	.049	19	24	.30	101	.06	12	.93	.01	.10	1	3
8561086	1	28	10	67	.1	10	7	377	4.42	16	5	ND	4	20	2	2	5	58	.36	.082	20	23	.39	195	.07	9	1.13	.01	.16	1	7
8561087	1	31	7	70	.4	16	9	577	4.35	14	5	ND	2	24	2	3	2	52	.30	.057	16	35	.47	359	.05	5	1.68	.01	.20	1	1
8561088	1	32	7	62	.3	14	8	439	3.75	14	5	ND	2	20	2	2	2	56	.25	.044	16	30	.44	230	.05	8	1.59	.01	.17	1	7
8561089	1	23	8	57	.1	8	10	527	4.14	9	5	ND	6	16	1	3	2	48	.33	.093	23	20	.40	222	.07	5	1.21	.01	.17	1	1
8561090	2	39	11	87	.3	17	26	2921	6.01	20	5	ND	4	24	1	2	2	76	.31	.085	20	43	.68	337	.12	11	1.79	.01	.53	1	1
8561091	1	19	8	53	.1	12	7	387	3.96	14	5	ND	5	15	1	2	2	72	.31	.059	19	30	.46	67	.11	2	.94	.01	.17	2	1
8561092	1	11	6	53	.1	10	7	317	3.47	7	5	ND	5	19	2	2	2	65	.32	.030	15	26	.45	95	.09	7	1.05	.01	.11	1	35
8561093	1	8	8	55	.1	12	6	354	2.91	8	5	ND	4	18	1	2	2	55	.27	.012	12	29	.51	65	.10	8	1.04	.01	.10	1	1
8561094	1	29	11	78	.3	17	9	631	3.46	14	5	ND	3	34	1	2	2	57	.46	.039	16	33	.59	269	.05	3	2.13	.01	.14	1	1
8561095	1	32	7	80	.2	19	8	501	3.44	12	5	ND	4	25	1	2	2	59	.36	.041	22	34	.59	232	.08	2	1.64	.01	.14	1	18
8561096	1	19	10	69	.2	13	6	329	2.95	9	5	ND	3	20	1	2	2	57	.29	.028	17	30	.56	189	.09	12	1.35	.01	.11	1	1
8561097	1	16	10	83	.1	13	7	383	3.17	11	5	ND	4	21	1	2	2	60	.29	.027	15	30	.56	239	.09	4	1.42	.01	.12	1	2
8561098	1	17	5	69	.3	10	5	223	2.43	6	5	ND	2	20	2	2	2	47	.24	.033	10	19	.34	331	.05	6	1.59	.02	.14	1	1
8561099	1	24	7	109	.1	16	7	447	3.57	11	5	ND	4	27	1	2	2	65	.41	.054	20	33	.63	235	.09	2	1.61	.01	.15	1	38
8561102	1	27	8	46	.2	19	6	273	3.23	105	5	ND	5	210	1	2	2	103	.43	.039	14	76	.16	565	.01	5	.89	.01	.07	1	1
8561103	1	66	8	117	.4	36	11	208	11.95	194	5	ND	7	377	1	2	2	179	.40	.059	16	50	.19	221	.01	4	1.11	.01	.10	1	1
8561104	1	39	8	41	.1	17	4	79	3.00	16	5	ND	5	415	1	2	2	76	.52	.055	22	44	.31	407	.01	7	1.62	.01	.11	1	1
8561105	1	25	7	62	.2	30	10	1074	2.89	5	5	ND	5	397	2	2	3	56	.53	.053	20	32	.28	386	.01	5	1.62	.02	.06	1	1
8561106	1	17	5	36	.2	16	5	127	3.64	41	5	ND	4	261	1	2	3	103	.57	.037	16	47	.31	323	.01	5	2.08	.02	.10	1	1
8561107	1	21	6	59	.2	11	8	411	2.37	12	5	ND	7	65	1	2	2	57	.62	.057	13	20	.31	342	.01	5	1.41	.02	.07	1	1
8561108	1	39	7	44	.2	10	5	369	3.93	23	5	ND	8	73	1	2	2	94	.75	.063	12	27	.24	320	.01	8	1.29	.02	.09	1	1
8561109	1	16	5	49	.1	10	7	575	2.41	11	5	ND	7	68	1	2	2	62	1.01	.071	12	10	.29	257	.01	3	1.17	.03	.07	1	1
8561110	1	14	6	48	.1	10	5	414	2.81	14	5	ND	5	64	1	2	2	65	.66	.057	11	15	.22	274	.01	3	1.20	.02	.06	1	1
8561111	1	16	5	60	.2	19	11	702	3.45	84	5	ND	7	65	1	2	2	118	.64	.060	12	11	.24	374	.01	2	1.31	.02	.06	1	1
8561112	1	12	7	85	.2	12	7	668	3.76	31	5	ND	9	61	2	2	3	89	.67	.058	12	14	.28	458	.01	4	.92	.01	.06	1	1
8561113	6	16	32	48	.4	4	4	167	6.09	102	5	ND	32	32	2	3	2	9	.12	.054	48	3	.07	35	.01	3	.42	.06	.81	1	3
8561114	1	17	5	56	.3	16	8	361	2.97	11	5	ND	5	20	2	2	2	53	.24	.048	14	26	.42	88	.06	6	1.64	.01	.10	1	16
8561115	2	42	14	80	.2	29	14	893	4.50	31	5	ND	6	19	1	3	2	64	.31	.090	18	33	.36	99	.05	5	1.32	.01	.12	1	8
8561115A	2	26	13	64	.2	26	10	350	3.05	12	5	ND	5	18	1	2	2	55	.31	.067	19	32	.46	100	.06	4	1.49	.01	.10	1	1
8561116	5	54	13	100	.2	29	17	1072	5.70	60	5	ND	7	45	2	3	2	59	.32	.141	19	29	.28	122	.02	7	1.18	.01	.13	1	1
8561117	1	17	8	41	.2	11	4	117	2.47	16	5	ND	2	146	1	2	2	59	.23	.041	14	36	.31	109	.03	3	1.59	.01	.06	1	1
8561118	1	24	7	50	.1	13	6	200	2.52	25	5	ND	2	86	1	2	2	62	.42	.040	13	25	.27	402	.01	3	2.10	.02	.05	1	1
STD C/AU-S	18	57	37	132	7.2	67	28	1030	4.07	38	17	7	36	47	17	17	19	55	.48	.087	38	56	.90	162	.06	34	1.95	.06	.14	11	47

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 %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
8561119	1	19	5	53	.2	11	6	257	2.66	6	5	ND	3	60	1	2	4	50	.45	.051	11	24	.37	387	.01	3	2.27	.02	.05	1	1
8561120	1	16	5	43	.1	9	4	122	2.07	6	5	ND	1	31	1	2	2	43	.27	.048	11	22	.32	148	.02	4	1.76	.01	.05	1	1
8561121	2	18	9	57	.1	18	8	461	3.05	13	5	ND	6	19	2	2	2	49	.20	.029	14	28	.44	140	.04	6	1.92	.01	.10	1	5
8561122	1	20	5	60	.2	20	10	511	3.16	9	5	ND	6	18	1	3	3	61	.33	.073	15	33	.55	83	.09	5	1.51	.01	.13	1	12
8561123	1	28	5	66	.2	20	12	547	3.98	8	5	ND	4	15	1	2	2	79	.19	.040	14	35	.50	112	.08	4	1.85	.01	.10	1	26
8561124	1	33	10	75	.2	20	11	647	4.25	10	5	ND	5	17	2	2	2	84	.19	.050	15	35	.55	88	.09	3	1.59	.01	.13	1	32
8561125	1	31	11	82	.2	17	10	447	4.77	9	5	ND	5	17	1	2	2	89	.26	.065	16	32	.73	119	.09	20	2.17	.01	.17	1	7
8561126	1	31	8	33	.2	12	13	905	4.26	9	5	ND	5	15	1	2	2	94	.23	.050	13	27	.61	91	.10	5	1.47	.01	.14	1	13
8561127	1	16	6	60	.2	11	7	405	3.37	9	5	ND	3	19	1	2	2	70	.25	.029	12	26	.55	130	.07	2	1.63	.01	.10	1	1
8561128	1	29	6	66	.4	14	8	312	3.02	7	5	ND	3	19	1	2	2	65	.34	.064	16	29	.76	130	.09	4	1.90	.01	.14	1	26
8561129	1	26	3	71	.4	13	7	249	3.25	8	5	ND	3	20	1	2	2	62	.37	.077	12	25	.69	108	.08	5	1.86	.01	.20	1	9
8561130	1	23	3	68	.4	14	8	414	3.60	7	5	ND	4	20	1	2	2	66	.30	.044	12	29	.70	126	.11	8	1.76	.01	.18	1	13
8561131	1	59	5	100	.3	12	14	629	6.32	12	5	ND	6	19	2	3	2	106	.50	.137	13	30	1.36	158	.22	5	2.34	.01	.90	1	10
8561132	1	30	8	85	.6	19	10	327	3.99	9	5	ND	4	24	1	2	4	81	.38	.057	13	43	.83	147	.09	3	2.54	.01	.20	1	4
8561133	1	21	5	82	.2	14	10	298	4.57	9	5	ND	5	18	1	2	2	81	.47	.125	15	37	1.01	111	.16	13	1.79	.01	.25	1	3
8561134	1	13	6	50	.1	15	5	152	2.71	21	5	ND	2	129	1	2	3	60	.36	.028	15	32	.34	255	.05	5	1.57	.01	.06	1	1
8561135	1	14	2	36	.1	14	4	110	2.55	31	5	ND	3	135	1	2	3	54	.24	.038	11	28	.31	137	.03	5	1.57	.01	.06	1	1
8561136	1	19	6	32	.2	13	4	54	2.75	44	5	ND	2	235	1	2	3	76	.25	.047	13	53	.19	270	.01	3	1.89	.01	.06	1	1
8561137	1	15	9	56	.2	15	6	279	2.96	10	5	ND	3	20	1	2	2	53	.21	.048	10	29	.49	116	.07	2	2.02	.01	.08	1	1
8561138	1	19	23	59	.3	18	7	205	2.87	19	5	ND	8	36	1	2	2	48	.17	.027	22	26	.40	260	.02	4	2.18	.01	.12	1	24
8561139	1	12	10	51	.3	8	5	223	1.64	4	5	ND	2	22	1	2	2	31	.26	.046	25	16	.27	156	.02	3	1.43	.01	.07	1	9
8561140	1	13	13	56	.2	10	12	913	2.43	8	5	ND	2	19	1	2	2	41	.22	.059	22	19	.30	146	.01	2	1.70	.01	.08	1	2
8561141	1	9	3	43	.4	6	5	217	1.60	7	5	ND	3	38	1	2	2	31	.34	.041	22	13	.25	235	.02	5	1.14	.01	.06	1	7
8561142	1	7	2	36	.3	5	5	209	1.91	5	5	ND	2	48	1	2	2	45	.35	.044	10	11	.21	152	.02	7	1.09	.02	.04	1	18
8561143	1	18	8	59	.1	19	10	311	3.65	17	5	ND	6	22	1	3	2	61	.17	.031	13	33	.46	103	.07	2	2.35	.01	.10	1	1
8561144	1	21	13	72	.2	21	9	447	3.42	12	5	ND	8	23	1	2	2	56	.25	.068	15	35	.61	136	.05	4	2.62	.01	.15	1	3
8561145	1	18	8	48	.2	18	7	252	3.36	10	5	ND	7	19	1	2	2	53	.20	.038	14	29	.46	82	.06	5	2.15	.01	.09	1	9
8561146	1	16	11	67	.2	17	7	291	3.89	12	5	ND	6	26	1	2	2	65	.26	.037	15	34	.59	310	.05	4	2.30	.01	.11	1	2
8561147	1	13	8	54	.2	15	7	304	2.87	9	5	ND	7	18	1	2	3	49	.22	.039	18	27	.49	129	.06	3	1.65	.01	.12	2	1
8561148	1	16	10	59	.3	16	8	303	3.25	10	5	ND	7	18	1	2	2	54	.19	.029	14	29	.52	138	.05	2	2.19	.01	.12	1	7
8561149	1	13	8	54	.3	14	6	245	2.86	9	5	ND	5	19	1	2	2	56	.24	.026	16	28	.59	157	.08	2	1.74	.01	.09	1	9
8561150	1	15	7	49	.2	11	5	238	2.85	8	5	ND	5	19	1	2	2	44	.25	.053	28	19	.35	125	.03	2	1.43	.01	.09	1	1
8561151	1	19	10	70	.1	17	7	282	3.39	15	5	ND	5	20	1	2	2	53	.22	.039	19	30	.54	163	.05	2	2.24	.01	.14	1	3
8561152	1	16	10	55	.3	15	8	317	2.92	9	5	ND	8	15	2	2	2	47	.23	.043	14	26	.46	70	.07	7	1.88	.01	.11	1	1
8561153	1	24	10	67	.2	25	10	333	3.31	11	5	ND	7	17	1	2	2	55	.16	.027	12	36	.61	144	.07	5	3.00	.01	.13	1	3
8561154	1	21	14	96	.2	23	12	481	3.66	8	5	ND	9	17	2	2	2	55	.19	.038	14	36	.64	135	.09	5	2.98	.01	.17	1	2
STD C/AU-S	17	58	38	132	7.1	67	28	1049	4.12	36	17	7	36	48	16	16	19	56	.48	.085	38	57	.91	169	.07	33	1.94	.06	.14	11	49

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 %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
8561155	1	13	7	48	.1	15	7	264	2.65	6	5	ND	5	13	1	3	2	47	.19	.028	11	28	.42	68	.07	2	2.06	.01	.08	1	1
8561156	1	16	13	61	.2	17	7	248	3.86	9	5	ND	6	16	1	2	2	65	.18	.028	12	34	.53	104	.10	5	2.34	.01	.10	1	1
8561157	1	15	5	53	.1	14	6	233	2.88	8	5	ND	5	18	1	2	2	51	.25	.044	14	30	.52	103	.09	6	1.86	.01	.11	1	1
8561158	1	17	6	45	.2	17	7	215	2.59	6	5	ND	6	14	1	2	2	40	.22	.037	14	25	.45	105	.06	11	1.36	.01	.09	1	1
8561159	1	18	11	48	.2	16	7	250	2.64	6	5	ND	6	13	1	2	2	45	.18	.025	13	25	.44	95	.07	5	1.95	.01	.09	1	1
8561160	1	19	13	66	.3	17	8	340	3.96	10	5	ND	5	16	1	2	2	68	.20	.048	12	42	.67	105	.12	4	2.33	.01	.13	1	1
8561161	1	12	10	48	.2	8	4	169	2.92	21	5	ND	6	26	1	5	2	47	.13	.017	16	15	.26	66	.06	4	1.36	.01	.09	2	1
8561162	1	19	6	52	.2	16	7	243	2.50	7	5	ND	7	16	1	2	2	42	.22	.037	15	26	.49	112	.06	16	2.10	.01	.11	1	1
8561163	1	18	14	60	.2	18	6	311	3.33	12	5	ND	5	20	1	4	2	64	.22	.035	14	38	.59	160	.10	6	2.38	.01	.10	1	1
8561164	1	19	9	61	.1	16	8	272	3.54	15	5	ND	10	15	1	4	2	50	.15	.025	14	31	.51	91	.07	4	2.35	.01	.10	1	1
8561165	1	21	9	58	.1	17	8	229	2.88	10	5	ND	7	16	1	5	2	46	.18	.026	14	33	.46	117	.05	4	2.21	.01	.10	1	2
8561166	1	19	7	57	.2	19	9	251	2.89	9	5	ND	7	15	1	6	2	47	.19	.027	14	30	.53	119	.08	3	2.48	.01	.11	1	1
8561167	1	20	9	67	.1	19	8	286	3.41	10	5	ND	7	16	1	19	2	52	.20	.027	14	31	.55	128	.08	2	2.38	.01	.14	1	1
8561168	1	15	11	58	.1	15	7	252	3.13	10	5	ND	5	15	1	7	2	50	.20	.031	19	29	.48	133	.06	4	2.08	.01	.09	1	1
8561169	1	16	8	55	.1	14	7	304	2.70	7	5	ND	7	18	1	3	2	48	.29	.040	20	32	.62	323	.10	5	1.83	.01	.10	2	1
8561170	1	13	6	60	.1	9	6	357	3.11	7	5	ND	4	16	1	3	2	52	.13	.041	17	22	.41	107	.06	2	1.49	.01	.12	1	1
8561172	1	9	5	51	.1	8	5	259	2.33	5	5	ND	4	12	1	3	2	38	.18	.029	16	17	.38	64	.06	15	1.09	.01	.12	1	1
8561173	1	12	9	49	.1	9	6	347	2.32	9	5	ND	3	14	1	4	2	43	.18	.028	16	20	.34	115	.05	8	1.25	.01	.09	2	1
8561174	1	17	9	65	.1	15	7	308	3.31	9	5	ND	6	19	1	4	2	55	.23	.030	18	31	.56	240	.07	2	2.30	.01	.12	2	1
8561175	1	15	11	58	.1	13	6	229	2.92	8	5	ND	6	18	1	2	2	50	.23	.026	19	28	.52	181	.07	4	1.97	.01	.11	1	1
8561176	1	9	8	50	.1	9	5	235	2.18	4	5	ND	4	14	1	3	3	42	.21	.031	13	18	.38	129	.06	3	1.25	.01	.09	1	1
8561177	1	12	7	50	.1	8	8	556	2.38	6	5	ND	2	14	1	4	2	45	.15	.038	12	18	.25	116	.06	3	1.46	.02	.07	2	1
8561178	1	18	11	88	.1	17	8	442	3.49	9	5	ND	3	20	1	4	2	59	.24	.051	18	32	.61	191	.07	3	2.05	.01	.13	1	1
8561179	1	16	11	62	.2	13	6	309	3.03	9	5	ND	3	18	1	2	2	63	.20	.032	16	28	.50	263	.08	12	1.79	.01	.09	1	1
8561180	1	13	9	56	.1	13	6	274	2.71	7	5	ND	4	18	1	2	2	46	.25	.043	18	27	.49	238	.06	10	1.74	.01	.09	1	1
8561182	1	12	7	61	.1	16	8	377	2.84	7	5	ND	6	15	1	2	2	50	.18	.036	15	29	.47	100	.08	2	2.00	.01	.10	1	2
8561183	1	15	4	58	.1	15	7	243	3.06	8	5	ND	5	20	1	3	2	55	.22	.033	15	30	.49	123	.07	2	2.00	.01	.10	1	1
8561184	1	13	7	52	.1	10	6	243	2.69	9	5	ND	6	16	1	4	2	44	.16	.025	17	23	.39	109	.04	2	1.80	.01	.11	2	1
8561185	1	20	9	80	.1	19	8	361	3.95	11	5	ND	8	20	1	2	2	63	.21	.038	15	37	.65	134	.08	4	2.81	.01	.13	1	1
8561186	1	21	4	55	.1	15	6	480	3.55	41	5	ND	4	146	1	2	2	74	.51	.042	13	32	.21	614	.01	2	1.37	.02	.06	1	1
8561187	1	20	8	63	.1	16	7	234	3.02	17	5	ND	4	40	1	2	2	58	.26	.025	9	26	.38	363	.03	2	3.02	.01	.07	1	2
8561188	1	17	18	64	.1	14	6	190	3.18	17	5	ND	5	37	1	3	2	54	.25	.031	12	26	.43	310	.03	8	1.98	.01	.13	1	1
8561189	1	16	14	67	.1	14	7	457	2.88	15	5	ND	3	30	1	2	2	54	.20	.024	15	27	.45	310	.05	4	1.65	.01	.13	1	1
8561190	1	11	8	56	.1	10	6	267	2.60	9	5	ND	3	23	1	2	2	56	.20	.016	13	24	.44	289	.09	2	1.31	.01	.10	1	12
8561191	1	16	10	69	.1	13	7	362	3.25	8	5	ND	3	19	1	2	2	57	.19	.023	10	26	.53	274	.10	9	1.78	.01	.14	1	1
8561192	1	15	9	68	.1	10	8	520	3.27	9	5	ND	5	21	1	3	2	57	.24	.048	13	20	.50	366	.09	3	1.54	.01	.21	1	1
STD C/AU-S	17	57	38	132	7.1	67	28	1034	4.09	40	18	7	36	47	16	17	17	55	.48	.088	38	58	.91	173	.06	33	1.94	.06	.15	12	47

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 %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
8561193	1	15	8	36	.1	7	4	142	2.66	39	5	ND	1	229	1	2	2	62	.37	.045	15	29	.22	359	.01	12	1.56	.02	.05	1	1
8561194	1	17	8	36	.1	12	5	131	2.35	22	5	ND	1	184	1	2	3	62	.26	.046	14	33	.29	197	.02	2	1.84	.01	.06	1	2
8561195	1	22	10	59	.3	16	6	230	3.19	16	5	ND	5	29	1	2	5	55	.22	.029	14	25	.48	327	.04	4	2.39	.01	.13	1	3
8561196	1	22	12	61	.1	21	8	248	3.38	23	5	ND	10	66	1	2	2	56	.18	.026	30	26	.47	207	.03	7	2.32	.01	.17	1	2
8561197	1	21	14	132	.2	18	7	348	3.04	13	5	ND	4	26	1	2	2	58	.24	.028	16	28	.54	262	.07	7	1.91	.01	.10	1	2
8561198	1	17	8	85	.1	10	11	448	5.00	24	5	ND	2	32	1	2	3	69	.69	.090	21	16	.43	292	.02	5	1.21	.01	.10	1	25
8561199	1	28	11	101	.2	14	15	571	5.55	27	5	ND	2	41	1	4	3	73	.94	.113	23	18	.50	390	.02	5	1.65	.01	.16	1	26
8561200	1	25	9	120	.4	9	17	1627	6.43	34	5	ND	3	41	1	4	2	68	1.00	.161	23	13	.43	382	.01	4	1.42	.01	.15	1	28
8561201	1	32	13	76	.3	10	9	747	4.18	62	5	ND	1	43	1	2	2	61	.95	.114	22	18	.45	319	.03	6	1.35	.01	.12	5	62
8561202	1	23	9	104	.1	8	13	841	5.61	29	5	ND	1	39	1	2	2	60	.88	.143	24	15	.37	395	.02	19	1.14	.01	.13	1	53
8561203	1	24	6	65	.2	10	8	567	3.66	31	5	ND	1	42	1	2	5	50	.90	.073	16	18	.37	323	.03	4	1.18	.01	.10	1	30
8561204	1	33	8	70	.1	15	10	608	3.81	41	5	ND	1	50	1	2	3	56	1.01	.081	21	20	.44	379	.03	6	1.41	.01	.11	1	35
8561205	1	38	11	72	.2	13	11	572	3.74	48	5	ND	1	54	1	2	5	57	1.15	.083	19	21	.47	453	.03	6	1.47	.01	.11	2	44
8561206	1	34	12	96	.3	10	14	672	5.64	102	5	ND	3	28	1	2	4	68	.73	.156	21	13	.41	246	.03	4	1.05	.01	.10	4	62
8561207	1	32	9	76	.3	9	11	483	5.02	112	5	ND	3	26	1	3	2	62	.49	.056	18	15	.40	196	.03	7	1.08	.01	.10	4	121
8561208	1	38	9	94	.4	8	14	860	5.39	117	5	ND	3	40	1	3	2	59	.90	.129	19	12	.37	339	.02	4	1.12	.01	.11	4	80
8561209	1	38	9	92	.3	11	13	590	5.37	81	5	ND	2	40	1	3	2	70	1.06	.175	23	15	.42	306	.03	7	1.18	.01	.12	3	180
8561210	1	35	10	95	.3	8	14	651	5.39	96	5	ND	2	34	1	4	3	65	.88	.181	21	14	.41	326	.03	2	1.03	.01	.12	3	101
8561211	1	30	11	64	.4	10	8	387	4.23	93	5	ND	4	30	1	3	2	62	.62	.078	18	20	.42	227	.04	2	1.17	.01	.10	2	115
8561212	1	49	14	91	.4	12	14	583	5.88	179	5	ND	3	29	1	4	3	67	.60	.092	19	15	.47	209	.04	12	1.20	.02	.10	4	171
8561213	1	53	15	82	.5	11	12	527	5.23	153	5	ND	2	37	1	4	2	59	.76	.103	19	17	.45	296	.03	3	1.24	.01	.12	9	162
8561214	2	83	25	94	1.2	11	16	506	6.44	781	5	ND	3	34	1	7	10	52	.72	.143	21	11	.38	312	.01	3	1.14	.01	.15	5	820
8561215	1	26	12	76	.1	13	11	495	4.83	44	5	ND	2	30	1	2	2	70	.54	.048	19	18	.42	283	.04	4	1.12	.01	.08	1	56
8561216	1	33	10	77	.2	13	11	544	4.76	87	5	ND	3	28	1	3	2	60	.69	.129	20	16	.45	236	.04	3	1.10	.01	.10	4	85
8561217	1	27	6	70	.1	13	8	375	4.17	73	5	ND	2	26	1	2	2	56	.52	.083	18	16	.38	209	.04	4	.94	.01	.08	2	32
8561218	1	18	6	63	.1	16	8	316	4.36	14	5	ND	4	29	1	2	2	79	.51	.036	19	26	.43	256	.06	3	1.17	.01	.08	2	60
STD C/AU-S	17	57	36	132	7.1	67	28	1073	4.01	38	21	7	36	47	17	18	18	56	.45	.087	38	54	.89	172	.06	34	1.87	.06	.13	13	48

AURUM GEOLOGICAL CONSULTANTS PROJECT 2200 FILE # 88-3709

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 %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
8511031	1	7	5	54	.1	6	1	208	1.11	2	5	ND	2	22	1	2	2	27	.33	.048	7	29	.33	26	.03	3	.51	.04	.08	1	3
8511031A	1	9	5	30	.2	6	2	191	1.11	2	5	ND	2	19	1	2	2	20	.15	.020	5	18	.26	21	.01	5	.49	.05	.05	1	1
8514001	1	5	16	23	.1	7	3	266	.46	75	5	ND	4	118	1	2	2	3	.06	.019	11	7	.06	2244	.01	2	.88	.01	.16	1	1
8514002	1	9	5	28	.1	8	1	76	.86	24	5	ND	3	40	1	9	2	6	.03	.007	7	10	.01	1023	.01	7	.23	.01	.08	3	2
8521020	1	14	12	40	.2	11	4	409	1.90	2	5	ND	4	22	1	2	2	41	.12	.020	8	18	.49	159	.02	5	.84	.04	.12	1	1
8521021	1	24	6	47	.2	13	5	352	2.02	2	5	ND	2	18	1	2	2	37	.13	.031	4	28	.76	241	.09	2	1.20	.05	.91	1	1
8521024	1	8	7	10	.1	3	1	83	.65	4	5	ND	1	12	1	2	2	3	.07	.004	2	2	.07	75	.01	8	.30	.03	.07	1	1
8521039	1	12	11	54	.1	7	7	446	2.52	16	5	ND	3	26	1	2	2	53	.13	.021	10	5	.07	361	.01	4	.84	.01	.04	1	1
8521042	1	5	8	26	.1	3	2	246	1.22	2	5	ND	2	14	1	2	2	10	.07	.007	2	4	.13	52	.01	4	.50	.04	.10	1	1
8521049	1	27	9	106	.2	8	8	805	3.43	8	5	ND	12	24	1	2	2	72	.30	.046	21	21	1.04	431	.05	6	1.41	.04	.25	1	1
8521051	1	22	8	48	.1	10	3	313	1.59	11	5	ND	6	16	1	2	2	24	.18	.023	10	18	.40	67	.04	9	.60	.04	.32	1	2
8521057	1	8	4	26	.1	2	1	192	.90	2	5	ND	2	13	1	2	2	7	.09	.007	2	3	.03	65	.01	2	.29	.03	.06	1	1
8521058	1	7	5	28	.1	4	1	349	1.10	2	5	ND	1	19	1	2	2	12	.12	.016	3	7	.15	158	.03	2	.50	.05	.19	1	1
8521068	1	30	155	2393	8.9	3	5	4034	10.45	10034	5	6	2	41	19	43	15	7	1.66	.018	2	9	.55	7	.01	12	.27	.01	.12	1	5915
8521101	8	36	35	57	.6	16	5	384	1.51	35	5	ND	3	71	1	3	2	15	.03	.015	12	8	.02	162	.01	5	.37	.01	.12	1	21
8521219	1	64	8	67	.2	3	6	826	4.55	33	5	ND	1	106	1	2	2	80	2.59	.168	14	7	1.03	140	.05	12	1.19	.07	.16	1	34
8521220	1	16	8	48	.2	2	6	798	3.22	12	5	ND	1	208	1	2	2	43	4.43	.118	10	8	.83	264	.01	5	.72	.03	.13	1	4
8521222	1	43	7	68	.2	2	8	1003	4.40	10	5	ND	3	81	1	2	2	51	2.65	.177	23	6	.43	64	.01	4	.89	.03	.21	1	7
8524001	1	2	51	7	.1	1	1	201	.44	150	5	ND	2	82	1	2	2	1	.05	.007	7	2	.02	263	.01	3	.33	.01	.12	1	112
8524002	2	1	12	10	.5	2	1	206	.41	9	5	ND	3	27	1	2	2	3	.04	.004	8	5	.01	561	.01	4	.32	.01	.11	3	30
8524003	15	2	30	3	.8	5	1	86	.44	7	5	ND	1	18	1	2	2	3	.01	.002	4	10	.01	2379	.01	2	.19	.01	.08	1	158
8524004	8	18	24	72	.2	19	3	120	2.12	736	5	ND	2	22	1	29	2	20	.04	.018	3	13	.01	366	.01	6	.48	.01	.04	1	8
8524005	1	2331	5693	5850	132.5 ✓	4	5	8124	9.42	14242 ✓	5	28	1	55	124	2723 ✓	59	8	2.75	.014	2	11	1.09	6	.01	19	.38	.01	.11	1	15650
8524006	1	453	574	1783	33.0	3	5	8198	8.62	6310	5	6	1	39	18	278	21	7	2.18	.017	2	12	.96	7	.01	6	.31	.01	.12	1	6235
8524007	1	15	41	57	.7	8	3	734	1.96	54	5	ND	7	35	2	6	2	11	.09	.004	15	4	.04	438	.01	3	.55	.01	.20	1	36
8524008	1	4	9	30	.2	5	3	162	.94	41	5	ND	3	34	1	2	2	10	.06	.004	6	6	.03	382	.01	5	.63	.01	.18	1	9
8524009	1	13	12	19	.1	4	1	36	.61	53	5	ND	2	86	1	2	2	25	.11	.034	10	15	.02	179	.01	5	.93	.01	.06	1	1
8524010	1	81	7	14	.1	8	1	64	1.04	18	5	ND	7	32	1	2	2	18	.05	.004	13	12	.04	259	.01	2	.38	.01	.07	1	1
8524011	6	9	17	9	.2	4	1	143	.90	17	5	ND	1	49	1	2	2	4	.03	.008	5	4	.02	172	.01	8	.34	.01	.13	2	22
8524012	1	4	6	16	.1	3	2	92	1.58	114	5	ND	26	16	1	2	2	1	.03	.006	50	2	.02	53	.01	2	.35	.01	.14	1	1
8524013	1	26	10	75	.1	38	10	1101	3.99	10	5	ND	2	20	1	2	2	48	.92	.052	14	43	.35	14	.01	2	.52	.01	.09	1	5
8524014	1	18	8	60	.1	38	8	272	5.55	337	5	ND	5	506	1	2	2	134	.40	.067	25	96	.32	1105	.01	22	2.85	.02	.21	1	1
8524015	1	157	3	6	.1	6	1	107	.94	32	5	ND	1	5	1	2	2	9	.18	.001	2	11	.10	1024	.01	12	.11	.01	.01	4	2
8524016	1	3	5	6	.1	3	1	91	.49	4	5	ND	1	2	1	2	2	2	.04	.001	2	5	.01	78	.01	4	.06	.01	.01	1	1
8524017	22	11	9	29	.1	2	3	255	1.96	38	5	ND	14	10	1	98	2	11	.02	.007	22	4	.02	96	.01	2	.49	.01	.08	4	1
STD C/AU-R	18	58	37	128	7.1	64	28	1008	3.88	37	17	8	36	45	16	17	19	55	.46	.084	37	56	.89	171	.06	34	1.89	.06	.14	13	520

✓ASSAY REQUIRED FOR CORRECT RESULT -

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 %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
8524018	3	3	2	8	.1	4	1	28	.25	30	5	ND	1	12	1	31206	2	2	.08	.002	7	2	.01	19	.01	3	.17	.01	.10	1	47
8524019	5	3	11	8	.2	2	1	28	.49	24	9	ND	18	25	1	4494	2	2	.04	.003	23	3	.01	655	.01	19	.30	.01	.11	1	6
8524020	8	4	4	33	.1	4	3	76	1.06	24	7	ND	1	20	1	27609	2	3	.07	.004	14	2	.01	25	.01	3	.27	.01	.08	1	17
8524021	3	8	8	15	.2	3	1	73	.65	24	5	ND	9	13	1	9253	2	3	.02	.003	18	2	.02	195	.01	13	.31	.01	.14	1	11
8524022	3	2	5	7	.1	2	1	53	.54	14	5	ND	3	13	1	682	2	2	.01	.002	7	2	.01	80	.01	3	.11	.01	.08	1	22
8524023	1	3	11	19	.2	3	2	258	.83	8	5	ND	7	6	1	104	2	6	.02	.004	14	4	.02	75	.01	3	.18	.01	.13	2	1
8524024	1	9	13	14	.1	3	1	111	.65	17	6	ND	13	6	1	15258	2	3	.02	.003	36	2	.01	133	.01	6	.20	.01	.08	1	13
8524025	1	4	14	10	.1	2	1	214	.55	8	5	ND	1	7	1	23	2	3	.10	.011	2	2	.01	155	.01	2	.20	.01	.08	1	2
8524026	1	8	19	46	1.1	4	6	939	2.93	30	5	ND	2	54	1	121	5	11	.69	.021	5	2	.27	1593	.01	11	.25	.01	.12	2	32
8524027	1	8	10	43	.2	3	4	854	2.28	32	5	ND	2	76	1	11	2	8	1.28	.033	6	3	.48	1341	.01	4	.25	.01	.12	2	6
8524028	2	11	7	39	.3	3	3	1239	2.92	21	5	ND	3	67	1	24	2	12	2.31	.026	6	2	.63	355	.01	14	.20	.01	.13	1	8
8524029	1	5	8	23	.3	3	5	684	1.48	17	5	ND	2	59	1	6	2	6	1.51	.017	3	2	.21	1808	.01	9	.17	.01	.12	2	3
8524030	6	44	281	19	57.6	5	6	81	2.04	41	5	16	1	16	1	17	342	3	.02	.002	2	5	.01	1298	.01	3	.03	.01	.04	1	8740
NO NUMBER	1	16	5	4	.8	3	2	104	.78	74	5	ND	1	5	1	4	3	1	.05	.002	2	4	.01	236	.01	8	.04	.01	.03	3	155
STD C/AU-R	17	57	39	132	6.6	68	28	1050	3.95	41	23	8	37	48	17	17	18	56	.49	.082	38	55	.87	175	.06	40	1.95	.06	.16	12	515

Assay required for Sb>1000 ppm

F

ACME 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-HNO3-H2O 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 SILT P2-P9 SOIL P10 ROCK AU* ANALYSIS BY ACID LEACH/AA FROM 20 GM SAMPLE.

DATE RECEIVED: AUG 24 1988 DATE REPORT MAILED: Sept 1/88 ASSAYER. C. Leong ...D.TOYE OR C.LEONG, CERTIFIED B.C. ASSAYERS

AURUM GEOLOGICAL CONS. PROJECT 2200 MCDADE File # 88-3899 Page 1

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 %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
8544010	1	20	28	129	.6	10	7	678	2.54	5	5	ND	2	28	2	2	2	49	.38	.079	23	19	.35	182	.04	2	1.33	.01	.07	1	1
8544011	1	20	4	109	.1	9	6	415	2.26	2	5	ND	1	54	2	2	2	42	.96	.073	14	14	.21	535	.02	3	1.14	.01	.10	1	3
8541320	1	12	7	57	.1	11	7	399	3.35	4	5	ND	3	24	1	2	2	67	.55	.077	16	24	.43	325	.06	3	1.17	.01	.11	1	109
8541321	1	15	3	60	.1	11	8	426	3.55	6	5	ND	4	22	1	2	3	71	.53	.079	18	25	.44	313	.06	2	1.20	.01	.13	1	8
8541374	1	26	3	56	.1	12	7	539	1.84	10	5	ND	1	85	1	2	3	34	.75	.077	7	15	.17	357	.01	3	1.01	.02	.03	1	22
8541375	1	18	6	85	.5	14	7	914	2.44	5	5	ND	2	34	2	2	2	45	.47	.069	23	21	.31	368	.02	3	1.76	.01	.11	1	11
8541377	1	14	7	49	.1	11	6	399	2.07	2	5	ND	1	31	1	2	2	44	.35	.054	13	27	.32	180	.04	2	1.74	.01	.04	1	31
8541382	1	16	8	60	.1	12	7	411	2.58	4	5	ND	3	53	2	2	3	52	.45	.058	15	25	.34	255	.03	3	1.46	.02	.08	1	3
8541385	3	34	8	109	.1	33	13	1029	4.24	44	5	ND	5	44	1	2	2	88	.38	.080	21	31	.34	176	.05	2	1.02	.02	.11	1	1
8541386	1	19	7	55	.1	22	9	342	2.39	3	5	ND	4	57	1	2	3	43	.61	.080	18	30	.41	153	.04	2	1.25	.02	.05	1	1
8541389	1	10	4	46	.1	13	6	344	2.09	2	5	ND	6	47	1	2	2	40	.60	.106	23	27	.35	92	.04	3	.91	.01	.04	1	19
8541332	1	12	6	54	.1	14	7	473	2.16	2	5	ND	6	48	2	2	2	41	.59	.097	22	26	.37	118	.04	12	1.04	.01	.06	1	4
8541394	1	20	11	44	.1	15	12	644	2.23	6	5	ND	9	50	1	4	2	31	.78	.055	20	22	.49	177	.02	3	.97	.01	.12	1	1
8541398	1	20	6	71	.1	29	9	262	2.84	2	5	ND	6	40	1	3	2	58	.66	.081	16	46	.74	122	.05	2	1.42	.02	.16	1	2
8541400	1	20	6	66	.1	22	10	786	2.38	4	5	ND	2	63	1	2	2	45	.66	.075	19	35	.52	192	.03	2	1.31	.01	.09	1	1
8541443	1	4	8	42	.1	6	3	140	1.07	5	5	ND	3	21	1	4	2	21	.42	.064	15	12	.23	133	.04	2	.71	.01	.04	1	104
STD C/AU-S	18	57	39	132	7.1	67	28	1057	4.09	39	17	8	36	47	16	19	19	57	.46	.086	38	59	.90	173	.06	33	1.89	.06	.15	11	52

AURUM GEOLOGICAL PROJECT 2200 MCDADE FILE # 88-3899

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 %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
8561220	1	22	12	101	.1	15	10	603	4.38	265	5	ND	2	41	1	2	2	62	.65	.040	14	24	.40	371	.04	2	1.13	.01	.12	1	88
8561222	1	23	8	65	.3	13	8	365	3.35	35	5	ND	2	56	2	2	2	61	.90	.041	14	25	.40	386	.04	2	1.25	.02	.11	1	35
8561223	1	26	6	72	.3	17	9	366	4.27	138	5	ND	2	47	1	2	2	71	.81	.041	17	27	.44	382	.05	3	1.23	.02	.12	1	99
8561224	1	21	6	59	.1	15	8	316	3.61	49	5	ND	3	35	2	2	2	67	.57	.041	20	30	.45	320	.05	2	1.23	.02	.10	1	45
8561227	1	21	8	63	.2	16	8	439	3.38	26	5	ND	2	39	1	2	2	62	.68	.043	14	31	.47	385	.05	2	1.43	.02	.12	1	48
8561228	1	18	7	62	.1	13	6	302	2.76	5	5	ND	3	33	1	2	2	57	.55	.025	14	26	.40	223	.05	2	1.22	.01	.09	1	92
8561229	1	20	7	66	.2	14	8	396	3.75	25	5	ND	3	39	1	2	2	63	.64	.035	14	27	.47	354	.05	2	1.36	.02	.10	1	13
8561230	1	23	5	71	.3	11	7	362	3.14	6	5	ND	2	53	1	2	2	51	.85	.057	15	20	.39	412	.03	2	1.27	.02	.11	1	11
8561231	1	25	5	85	.1	9	8	397	4.36	12	5	ND	2	42	1	2	2	56	.73	.056	16	15	.38	360	.02	2	1.21	.02	.12	1	8
8561233	1	22	3	58	.3	7	7	544	2.35	7	5	ND	1	72	2	2	2	39	1.39	.066	12	9	.22	419	.02	5	.88	.02	.07	1	15
8561234	1	22	8	32	.1	10	7	291	4.04	9	5	ND	1	47	1	2	2	57	.96	.044	14	20	.30	451	.01	3	1.27	.01	.12	1	96
8561235	1	20	9	65	.3	12	8	357	3.46	4	5	ND	2	52	1	2	2	54	1.02	.084	17	24	.46	539	.04	5	1.33	.02	.11	1	12
8561236	1	15	6	54	.2	9	6	276	2.75	5	5	ND	1	52	2	2	2	40	.97	.057	19	15	.30	475	.01	3	1.25	.02	.10	1	12
8561237	1	19	8	75	.1	9	8	355	3.75	10	5	ND	2	54	1	2	2	59	1.07	.083	13	19	.41	438	.02	3	1.33	.02	.11	1	16
8561238	1	13	4	67	.4	10	6	198	2.10	3	5	ND	2	53	1	2	2	43	.95	.039	9	18	.24	300	.05	4	1.03	.02	.06	1	2
8561239	1	31	9	68	.4	13	8	480	3.44	163	5	ND	2	87	1	3	2	39	1.51	.064	13	18	.38	557	.01	6	1.30	.01	.13	1	41
8561240	1	19	4	62	.1	13	7	316	3.20	38	5	ND	1	48	1	2	2	56	.82	.052	15	27	.43	384	.04	12	1.27	.02	.10	1	24
8561241	1	23	8	62	.1	11	7	348	3.07	43	5	ND	1	71	1	2	2	46	1.28	.065	12	19	.35	554	.01	2	1.25	.02	.11	1	48
8561243	1	31	7	70	.3	15	8	413	3.69	108	5	ND	2	70	1	2	2	51	1.19	.059	19	23	.42	571	.02	4	1.38	.01	.14	1	39
8561244	1	19	9	64	.1	9	6	303	2.62	54	5	ND	1	50	1	2	3	48	.87	.040	11	17	.26	353	.02	3	.92	.01	.08	1	82
8561245	1	15	6	60	.1	12	7	298	3.56	38	5	ND	4	26	1	2	2	65	.44	.039	14	26	.43	158	.06	7	1.07	.02	.10	1	42
8561246	1	40	13	93	.6	18	10	489	4.74	165	5	ND	2	53	1	2	2	67	.89	.060	21	30	.53	632	.03	4	1.79	.02	.18	2	39
8561247	1	23	9	68	.2	13	10	501	4.17	31	5	ND	3	38	1	2	2	72	.63	.038	21	27	.46	448	.04	5	1.51	.01	.12	1	48
8561248	1	28	11	80	.5	13	9	402	4.36	190	5	ND	5	37	2	2	2	65	.70	.041	16	24	.50	373	.05	13	1.46	.02	.12	1	88
8561249	1	26	6	63	.3	10	7	436	3.26	49	5	ND	1	56	1	2	2	52	1.09	.064	13	17	.33	402	.03	5	1.05	.02	.08	1	67
8561250	1	39	12	66	.3	10	9	822	3.68	62	5	ND	2	61	1	2	2	51	1.14	.076	17	16	.38	473	.02	4	1.21	.02	.09	2	82
8561251	1	30	13	73	.1	10	9	961	4.03	55	5	ND	1	70	1	2	2	58	1.17	.072	15	20	.42	553	.02	4	1.36	.02	.11	1	117
8561252	1	28	10	66	.1	12	8	519	3.71	24	5	ND	1	58	1	2	2	60	1.01	.069	23	23	.46	460	.02	3	1.41	.01	.11	13	31
8561253	1	21	12	77	.1	9	9	779	3.62	26	5	ND	2	53	1	2	2	54	1.00	.061	15	18	.37	459	.02	6	1.26	.02	.12	1	27
8561254	1	23	11	68	.1	12	8	425	3.63	32	5	ND	1	59	1	3	2	50	1.12	.056	13	22	.38	628	.02	2	1.25	.01	.11	3	56
8561255	1	20	11	81	.1	10	7	400	3.69	5	5	ND	1	60	1	2	2	48	1.29	.091	17	16	.30	516	.01	2	1.07	.01	.11	1	19
8561257	1	22	12	68	.2	12	9	706	3.64	16	5	ND	1	70	1	2	3	49	1.38	.071	14	20	.40	638	.02	3	1.33	.01	.11	1	10
8561258	1	25	10	70	.2	10	7	412	3.31	14	5	ND	1	69	1	2	3	43	1.29	.070	15	18	.36	493	.02	3	1.22	.02	.09	1	48
8561260	1	25	10	96	.2	12	11	603	4.47	54	5	ND	2	54	1	2	2	64	.99	.051	14	22	.47	396	.03	6	1.30	.01	.13	1	33
8561261	1	23	7	73	.2	12	8	589	3.55	67	5	ND	1	65	1	2	2	61	1.17	.055	14	19	.32	444	.04	3	1.04	.02	.09	1	9
8561262	1	22	10	67	.1	13	8	422	3.97	30	5	ND	2	42	1	2	2	62	.76	.052	16	24	.38	379	.04	3	1.08	.02	.10	1	16
STD C/AU-S	17	58	37	132	6.6	68	29	1023	4.04	40	17	8	37	47	18	17	19	58	.46	.086	40	61	.85	179	.07	33	1.90	.06	.16	12	49

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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 %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
8561265	1	27	15	72	.9	10	11	453	3.86	85	5	ND	1	65	3	2	2	54	1.21	.064	18	24	.42	469	.02	5	1.53	.01	.13	1	49
8561266	1	17	16	47	.6	11	8	356	4.08	42	5	ND	1	39	2	2	2	86	.72	.052	20	32	.35	260	.04	4	1.04	.01	.08	4	72
8561267	1	35	24	102	.6	13	13	619	5.74	106	5	ND	2	32	1	2	5	74	.76	.141	21	23	.52	297	.04	7	1.27	.01	.15	3	112
8561268	1	37	22	89	1.0	12	11	615	4.52	92	5	ND	1	49	1	2	2	57	.94	.078	21	21	.44	372	.02	5	1.40	.01	.13	8	139
8561269	1	25	12	88	.7	9	9	549	4.07	71	5	ND	1	54	1	2	3	55	1.27	.115	17	16	.38	371	.02	9	1.20	.02	.11	1	59
8561270	1	32	14	65	.6	9	10	825	3.65	55	5	ND	1	50	1	2	2	55	1.06	.071	17	19	.37	419	.02	2	1.24	.02	.09	3	79
8561271	1	38	21	87	.8	13	11	574	4.67	68	5	ND	1	52	1	2	2	63	1.02	.071	18	23	.43	398	.02	3	1.40	.01	.11	2	132
8561272	1	26	12	65	.3	8	7	388	3.00	45	5	ND	1	75	1	2	3	49	1.41	.070	13	17	.39	354	.02	4	1.15	.02	.08	1	79
8561273	1	14	15	60	.4	12	8	385	3.50	14	5	ND	1	36	1	2	2	69	.67	.070	14	27	.45	252	.05	5	1.16	.02	.09	1	15
8561274	1	26	12	100	.5	10	12	1787	4.13	23	8	ND	1	75	1	2	3	54	1.52	.103	18	17	.35	564	.02	5	1.17	.02	.10	1	13
8561275	1	21	13	72	.4	9	8	404	3.55	29	5	ND	1	51	1	2	2	54	1.03	.074	16	21	.39	430	.02	2	1.29	.01	.11	1	35
8561276	1	19	19	76	.3	10	9	406	4.25	12	6	ND	1	58	1	2	3	56	1.22	.098	19	21	.38	443	.02	4	1.24	.01	.10	1	26
8561277	1	17	9	63	.5	8	7	447	3.28	12	5	ND	1	62	1	2	2	50	1.35	.070	13	19	.35	404	.02	3	1.12	.01	.08	1	9
8561278	1	18	8	68	.4	9	7	488	3.04	15	7	ND	1	66	1	2	2	55	1.52	.068	14	16	.29	375	.03	5	.98	.02	.08	1	6
8561279	1	21	13	60	.3	9	8	430	3.00	18	8	ND	1	68	1	2	2	52	1.40	.053	13	20	.33	395	.02	3	1.15	.01	.09	1	26
8561230	1	27	12	63	.5	11	8	435	2.95	53	5	ND	1	80	1	2	2	49	1.56	.074	13	23	.40	440	.02	4	1.27	.01	.10	1	15
8561281	1	34	13	77	1.1	13	10	547	4.05	95	5	ND	1	55	1	2	2	60	1.05	.065	23	21	.38	477	.02	4	1.35	.01	.12	2	55
8561282	1	27	11	69	.6	11	9	492	4.21	97	5	ND	1	46	1	2	4	71	.85	.047	17	25	.47	343	.03	4	1.36	.01	.11	2	192
8561283	1	31	16	66	.6	14	8	378	3.50	62	5	ND	1	43	1	2	2	58	.76	.061	16	26	.48	314	.03	2	1.44	.01	.11	1	88
8561284	1	27	16	70	.5	9	9	436	4.18	121	5	ND	2	34	1	2	2	69	.65	.050	17	24	.47	232	.03	7	1.24	.01	.09	5	143
8561285	1	32	10	72	.8	9	7	589	3.55	61	5	ND	1	60	1	2	2	53	1.27	.064	16	20	.35	356	.02	2	1.13	.02	.08	2	76
8561286	1	26	13	60	.4	11	7	503	3.32	47	5	ND	1	47	1	2	2	57	.95	.061	14	23	.41	337	.02	4	1.24	.01	.08	1	28
8561287	1	17	11	81	.5	10	9	362	4.23	39	5	ND	1	38	1	2	3	71	.79	.096	15	22	.54	263	.03	6	1.52	.02	.12	1	63
8561288	1	19	11	56	.4	11	9	760	3.55	19	5	ND	1	46	2	2	3	59	.91	.045	21	23	.42	379	.02	4	1.31	.01	.11	1	7
8561289	1	18	9	87	.5	6	9	603	3.85	15	5	ND	1	53	1	2	2	53	1.06	.066	15	13	.33	346	.02	3	1.09	.02	.10	1	56
8561291	1	28	13	54	.5	10	6	343	2.16	76	8	ND	1	81	1	2	2	33	1.65	.066	11	16	.33	379	.02	6	1.08	.01	.07	1	14
8561292	1	18	8	58	.5	8	6	355	2.50	26	5	ND	1	63	1	2	3	48	1.45	.050	11	16	.27	325	.03	2	.92	.01	.06	1	3
8561295	1	23	7	66	.7	12	8	464	3.49	47	6	ND	1	59	1	2	2	57	1.17	.068	16	23	.41	410	.02	3	1.29	.01	.10	1	17
8561296	1	20	13	87	.4	10	12	699	4.79	39	5	ND	1	47	2	2	2	65	.89	.066	16	21	.38	378	.02	4	1.16	.01	.12	1	31
8561297	1	28	8	72	1.1	10	10	1156	3.88	59	8	ND	1	71	1	2	3	53	1.38	.075	24	22	.41	533	.01	3	1.53	.01	.13	1	22
8561298	1	22	11	74	.5	12	9	637	4.56	55	5	ND	1	38	1	2	4	75	.70	.054	22	27	.47	349	.03	4	1.29	.01	.10	1	84
8561299	1	22	7	47	.3	7	5	278	2.47	18	5	ND	1	66	1	2	2	41	1.30	.066	12	15	.31	403	.02	2	1.19	.02	.07	2	9
8561300	1	17	9	65	.2	7	7	705	3.12	21	5	ND	1	42	1	2	3	55	.90	.048	13	17	.28	307	.02	3	.91	.02	.07	1	19
8561301	1	27	10	73	.6	10	7	393	3.75	37	5	ND	1	58	2	2	2	55	1.23	.062	12	19	.33	431	.02	5	1.17	.01	.08	1	94
8561303	1	29	9	69	.5	10	8	448	3.85	50	5	ND	1	45	1	2	3	64	.85	.049	14	20	.40	309	.03	4	1.16	.01	.09	5	44
8561304	1	24	8	76	.3	8	7	338	3.13	28	5	ND	1	73	1	2	2	51	1.35	.065	13	19	.36	371	.01	2	1.21	.02	.09	1	25
STD C/AU-S	19	62	39	132	7.1	71	31	1040	4.06	45	22	7	37	50	18	16	19	61	.51	.096	42	60	.94	179	.07	34	2.07	.06	.16	12	53

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 %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
8561305	1	18	9	80	.1	10	9	557	3.90	11	5	ND	2	58	1	3	2	55	1.06	.058	16	20	.39	420	.02	6	1.26	.02	.12	2	14
8561306	1	20	8	72	.1	9	8	775	3.59	13	5	ND	2	65	1	2	2	43	1.35	.056	15	15	.26	511	.01	4	.93	.01	.10	1	8
8561307	1	18	11	102	.3	9	11	819	4.71	15	5	ND	3	53	1	6	2	42	1.16	.099	14	12	.24	568	.01	5	.87	.01	.11	1	8
8561308	1	20	9	70	.2	9	7	339	3.51	17	5	ND	2	55	1	3	2	43	1.13	.064	16	16	.24	444	.01	4	1.22	.01	.11	1	12
8561309	1	19	4	40	.2	6	4	330	1.75	9	5	ND	1	69	1	2	2	22	1.48	.050	13	10	.19	481	.01	2	.69	.01	.06	1	1
8561312	1	18	6	65	.1	9	7	386	3.01	22	5	ND	2	51	1	2	2	43	1.03	.055	13	18	.31	473	.01	2	1.04	.01	.09	1	23
8561313	1	21	3	55	.2	9	6	282	2.84	28	5	ND	1	51	1	2	2	41	.93	.055	12	16	.22	398	.02	4	1.14	.02	.10	1	43
8561314	1	22	8	73	.2	9	8	382	4.10	21	5	ND	3	53	1	2	2	54	1.03	.089	20	19	.41	444	.01	5	1.39	.01	.12	1	20
8561315	1	16	3	68	.2	9	7	369	3.55	16	5	ND	3	53	1	2	2	55	1.06	.054	14	20	.34	440	.01	5	1.16	.01	.10	1	52
8561316	1	17	7	64	.1	7	6	401	2.59	8	5	ND	2	59	1	2	2	44	1.29	.060	9	12	.29	365	.02	11	.83	.02	.07	1	6
8561317	1	22	7	71	.3	11	9	463	3.97	21	5	ND	3	45	1	4	2	59	.95	.078	17	21	.42	450	.01	5	1.35	.01	.12	1	25
8561318	1	20	5	83	.1	9	10	606	3.21	14	5	ND	2	59	1	2	2	57	1.14	.083	17	19	.39	425	.01	3	1.26	.01	.10	1	1
8561319	1	17	11	83	.1	10	9	601	4.47	11	5	ND	3	35	2	2	2	63	.66	.057	15	21	.35	385	.03	8	1.09	.02	.09	1	5
8561322	1	12	2	87	.1	9	9	479	4.29	12	5	ND	4	17	3	2	2	73	.71	.153	9	24	.73	370	.07	4	1.78	.02	.22	1	1
8561323	1	16	4	63	.1	17	8	286	3.58	9	5	ND	4	22	1	2	2	72	.31	.053	10	36	.59	151	.10	4	2.12	.02	.10	1	5
8561324	1	13	7	50	.1	15	9	277	3.64	8	5	ND	5	17	1	2	2	75	.32	.069	14	31	.47	105	.08	8	1.64	.01	.12	1	55
8561325	1	11	8	44	.1	14	7	249	4.12	4	5	ND	6	15	1	2	2	92	.34	.064	16	35	.39	117	.08	2	1.54	.01	.10	1	118
8561326	1	10	9	54	.1	13	8	365	3.48	7	5	ND	5	19	1	2	2	72	.41	.054	17	31	.50	351	.07	4	1.45	.01	.10	1	26
8561327	1	17	3	61	.1	12	8	341	3.71	6	5	ND	3	26	1	2	2	80	.55	.065	18	26	.41	438	.07	2	1.20	.02	.11	1	8
8561328	1	17	5	100	.2	49	13	523	4.73	5	5	ND	6	19	2	3	2	87	.52	.066	13	92	1.06	449	.09	6	2.00	.01	.24	1	1
8561329	1	12	9	98	.1	12	10	577	4.74	6	5	ND	4	22	1	2	2	82	.65	.107	14	26	.79	567	.07	5	2.21	.02	.22	1	9
8561330	1	12	5	53	.1	12	7	291	4.15	6	5	ND	7	21	1	2	2	88	.45	.065	21	34	.46	300	.05	6	1.32	.02	.13	1	32
8561331	1	8	6	46	.2	10	6	213	3.54	9	5	ND	5	19	1	2	3	70	.48	.085	15	27	.42	151	.06	4	1.07	.02	.11	2	2
8561332	1	4	2	37	.1	4	5	114	2.06	2	5	ND	1	17	1	2	2	60	.33	.069	9	7	.12	109	.10	10	.43	.03	.04	1	1
8561333	1	8	6	51	.2	9	6	294	4.73	5	5	ND	7	18	2	2	2	106	.42	.073	21	30	.40	160	.07	2	1.00	.01	.11	3	7
8561334	1	5	6	51	.1	8	6	275	4.05	5	5	ND	6	18	1	2	2	86	.49	.089	16	25	.40	152	.07	5	.93	.02	.13	1	45
8561335	1	14	7	56	.1	13	8	479	3.30	6	5	ND	2	31	1	2	2	70	.61	.051	13	31	.50	384	.07	3	1.44	.02	.12	1	1
8561336	1	18	5	90	.1	15	9	400	4.06	6	5	ND	3	18	2	2	2	74	.28	.041	10	33	.64	384	.09	3	1.62	.01	.25	1	1
8561337	1	13	7	45	.1	16	7	208	4.16	7	5	ND	7	15	2	2	2	93	.32	.054	19	34	.41	132	.08	5	1.29	.01	.09	1	8
8561338	1	8	10	58	.1	10	7	285	3.45	4	5	ND	3	20	1	2	2	69	.47	.071	14	29	.47	149	.06	2	1.13	.02	.14	1	1
8561339	1	13	5	56	.1	11	8	423	3.15	7	5	ND	2	16	1	2	2	60	.36	.054	12	26	.53	125	.06	2	1.10	.01	.15	1	4
8561340	1	15	8	102	.1	23	13	509	4.34	7	5	ND	2	20	1	2	2	85	.43	.053	7	71	.86	186	.05	2	1.91	.01	.54	1	55
8561342	1	19	3	65	.1	12	9	414	3.81	10	5	ND	5	22	1	2	2	78	.44	.059	14	27	.68	166	.10	4	1.17	.01	.53	1	3
8561344	1	32	6	98	.2	11	11	662	4.82	11	5	ND	5	20	2	2	2	93	.34	.040	15	24	.65	345	.11	10	1.34	.01	.56	1	4
8561346	1	24	3	71	.1	11	8	473	4.10	6	5	ND	4	22	1	2	2	91	.42	.055	13	27	.74	139	.15	2	1.32	.01	.57	1	17
8561348	1	26	4	81	.1	11	9	462	4.36	42	5	ND	4	19	1	4	2	77	.35	.046	17	21	.59	203	.10	3	1.20	.01	.44	1	3
STD C/AU-S	18	59	42	132	6.7	68	30	1029	4.18	41	17	8	38	48	17	17	19	59	.48	.089	40	61	.87	182	.07	33	1.92	.06	.17	11	53

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 %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
8561350	1	30	7	79	.1	18	11	458	4.40	14	5	ND	4	28	1	4	2	72	.50	.030	19	31	.59	375	.08	2	1.60	.01	.53	1	1
8561352	1	23	8	75	.2	19	10	393	3.21	10	5	ND	2	34	1	2	2	63	.59	.051	10	35	.48	452	.05	7	1.39	.02	.11	1	2
8561354	1	23	9	55	.1	18	8	405	3.02	13	5	ND	3	32	1	2	2	57	.50	.051	14	34	.51	381	.06	3	1.56	.02	.10	1	1
8561356	2	19	8	69	.1	21	8	272	3.62	12	5	ND	3	17	1	5	6	73	.24	.035	11	45	.61	151	.10	2	2.32	.01	.12	1	2
8561358	3	54	18	117	.1	33	12	831	6.39	15	5	ND	8	41	1	2	2	97	.67	.061	107	61	.70	1525	.02	2	4.21	.01	.71	1	1
8561360	3	52	12	75	.1	20	11	845	4.32	22	5	ND	4	30	1	2	2	72	.32	.077	51	35	.43	1457	.02	2	3.26	.01	.21	1	1
8561361	1	13	11	54	.1	9	10	456	4.09	37	5	ND	5	28	1	3	2	62	.43	.054	21	24	.33	577	.04	2	1.43	.01	.11	1	27
8561362	1	8	8	58	.1	9	9	332	2.45	4	5	ND	2	25	1	2	2	57	.35	.015	9	25	.41	563	.08	2	1.38	.01	.08	1	1
8561363	1	9	9	61	.2	9	7	330	3.66	12	5	ND	4	27	1	2	3	66	.49	.061	16	22	.39	387	.04	2	1.20	.01	.12	1	35
8561364	1	10	8	59	.1	11	8	396	3.19	6	5	ND	3	30	2	2	2	59	.67	.085	18	26	.39	420	.04	2	1.14	.02	.11	1	5
8561365	1	13	12	68	.1	15	9	280	3.50	7	5	ND	4	38	1	2	2	72	.80	.070	27	30	.55	609	.05	2	1.66	.02	.13	1	59
8561366	1	13	12	73	.1	14	10	744	3.82	7	5	ND	4	39	1	2	2	69	.94	.090	19	26	.46	575	.03	4	1.42	.02	.12	1	29
8561367	1	12	12	82	.1	14	8	261	3.52	10	5	ND	2	35	1	2	2	57	.81	.072	20	26	.39	444	.01	2	1.23	.01	.14	1	6
8561368	1	4	4	33	.1	7	4	177	2.18	3	5	ND	3	19	1	2	3	45	.36	.043	14	19	.25	170	.04	2	.30	.02	.06	1	1
8561369	1	8	5	41	.2	9	5	160	3.36	5	5	ND	6	26	1	2	2	78	.55	.057	19	27	.35	231	.06	2	1.01	.02	.07	1	44
8561370	1	9	6	37	.1	9	6	200	3.42	6	5	ND	4	28	1	2	2	75	.60	.042	17	29	.32	395	.05	2	1.02	.02	.09	1	1
8561371	1	8	6	39	.4	11	6	188	3.54	6	5	ND	5	19	1	2	2	79	.38	.065	19	29	.31	382	.05	2	1.20	.02	.09	1	2
8561372	1	9	8	39	.1	12	6	182	2.53	7	5	ND	3	17	1	2	2	52	.30	.064	11	25	.37	152	.06	3	1.22	.01	.10	2	1
8561373	1	11	7	35	.1	13	6	208	3.40	7	5	ND	8	18	1	2	2	80	.34	.057	16	31	.34	137	.07	5	1.25	.01	.09	1	42
8561376	1	26	6	84	.1	48	10	392	4.79	9	5	ND	5	13	1	2	2	121	.11	.025	16	85	1.05	124	.23	2	2.40	.01	.56	1	3
8561378	1	46	4	49	.1	44	12	356	3.34	4	5	ND	4	74	1	2	2	92	.68	.078	14	81	.28	196	.01	4	2.08	.02	.05	1	3
8561379	1	11	6	40	.2	6	4	283	1.61	4	5	ND	2	62	1	2	2	31	.44	.045	17	15	.20	191	.02	2	1.28	.02	.04	2	4
8561380	2	18	9	49	.2	17	7	224	4.11	10	5	ND	5	20	1	2	3	86	.17	.023	11	35	.44	95	.13	2	2.24	.01	.09	2	10
8561381	7	110	30	330	.3	164	37	654	6.11	67	5	ND	10	25	1	6	2	193	.57	.150	26	202	.93	312	.08	3	1.52	.01	.90	1	6
8561382	1	17	9	46	.1	12	6	239	2.00	3	5	ND	2	48	1	2	2	44	.39	.054	17	24	.27	179	.02	2	1.51	.02	.07	1	1
8561388	1	24	3	56	.2	39	14	400	3.24	4	5	ND	2	63	1	2	2	69	.56	.064	15	58	.49	219	.04	2	2.51	.03	.06	1	1
8561390	3	57	10	108	.3	53	15	572	4.43	6	5	ND	3	37	1	2	2	130	.24	.053	12	73	.80	237	.18	2	2.04	.02	.74	1	1
8561391	6	67	8	193	.2	94	22	768	6.87	18	5	ND	6	21	1	4	2	228	.25	.110	17	158	1.65	218	.32	3	2.55	.01	1.68	1	3
8561393	1	41	7	94	.1	69	17	639	4.12	7	5	ND	4	74	1	5	2	83	.84	.080	18	91	1.26	212	.08	2	2.25	.03	.18	1	6
8561395	3	38	19	369	.1	60	15	355	5.92	44	5	ND	6	28	1	19	2	148	.20	.042	16	175	1.23	181	.14	5	2.87	.01	.86	1	5
8561396	4	48	17	233	.2	47	14	365	5.05	45	5	ND	7	31	1	8	2	127	.32	.099	15	75	.78	308	.12	5	1.77	.01	.63	1	1
8561397	1	34	9	80	.3	42	10	419	3.12	7	5	ND	5	43	1	3	2	73	.86	.068	15	64	.90	166	.07	6	1.73	.01	.58	1	9
8561399	2	45	3	92	.1	20	12	369	4.91	6	5	ND	4	28	1	3	2	101	.63	.104	21	27	.72	138	.03	5	1.99	.01	.17	1	2
8561401	1	33	7	67	.1	38	13	619	3.30	6	5	ND	6	50	1	3	2	65	.61	.069	19	55	.75	171	.07	2	1.96	.02	.11	1	6
8561402	1	16	5	85	.1	9	8	457	3.71	2	5	ND	5	28	1	2	2	80	.42	.087	16	25	1.22	153	.18	2	2.02	.02	.89	1	3
8561409	1	10	19	71	.3	8	4	134	1.96	13	5	ND	4	29	1	2	2	58	.47	.057	15	20	.36	213	.04	2	1.23	.01	.11	2	1
STD C/AU-S	18	57	37	132	7.2	68	29	1020	3.94	40	18	8	38	47	16	17	18	58	.46	.087	40	60	.85	177	.07	33	1.92	.06	.16	13	48

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 %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
8561410	1	13	22	72	.4	9	5	227	2.72	18	5	ND	4	32	1	2	2	44	.48	.060	16	20	.36	365	.03	5	1.42	.01	.11	1	1
8561411	1	18	19	65	.1	11	6	355	2.42	10	5	ND	5	40	2	2	2	40	.55	.045	20	23	.36	663	.01	4	1.76	.01	.14	1	1
8561413	1	11	16	51	.1	8	5	444	1.93	6	5	ND	3	30	1	2	2	35	.38	.037	14	17	.28	397	.03	7	.91	.02	.08	1	1
8561414	1	12	9	37	.1	7	4	288	1.39	5	5	ND	2	31	1	2	2	26	.42	.037	10	13	.21	394	.02	6	.87	.02	.06	1	2
8561415	1	22	13	63	.4	13	7	312	2.38	6	5	ND	3	47	1	2	3	41	.72	.062	20	23	.33	785	.01	7	1.52	.01	.11	1	26
8561416	1	13	11	39	.7	6	6	328	1.32	3	5	ND	1	41	1	2	3	24	.63	.043	11	10	.13	679	.01	6	.88	.03	.06	1	1
8561417	1	14	17	53	.3	9	6	304	1.97	7	5	ND	3	39	1	2	2	33	.61	.028	15	17	.21	617	.01	7	.84	.01	.08	1	1
8561419	1	13	20	80	.3	10	6	268	1.98	5	5	ND	3	33	2	2	2	29	.59	.032	14	16	.27	506	.02	9	.98	.01	.10	1	3
8561420	1	17	16	63	.7	9	9	566	1.87	6	5	ND	3	39	1	2	2	27	.74	.044	16	15	.23	591	.01	6	1.07	.01	.09	1	1
8561421	1	14	24	69	1.8	9	4	113	1.39	3	5	ND	3	38	2	2	2	27	.62	.043	14	18	.31	675	.01	7	1.13	.01	.09	1	1
8561422	1	13	13	46	.1	10	6	296	1.76	3	5	ND	3	35	1	2	2	29	.54	.040	11	17	.30	572	.02	6	1.00	.02	.09	1	1
8561423	1	26	10	61	.6	14	12	1015	2.59	10	5	ND	3	69	1	2	3	36	1.03	.069	11	19	.25	1038	.01	6	1.13	.02	.09	1	1
8561424	1	18	7	65	.3	10	6	322	2.23	4	5	ND	1	61	1	2	2	49	.85	.066	10	15	.23	741	.03	11	1.02	.02	.09	1	1
8561425	1	15	6	68	.1	8	5	390	2.10	6	5	ND	1	53	1	2	2	30	.81	.078	14	11	.19	677	.01	6	.90	.01	.09	1	2
8561426	1	14	12	37	.1	8	6	323	1.82	6	5	ND	4	43	1	2	2	33	.64	.033	12	17	.26	675	.03	13	1.03	.02	.08	1	1
8561427	1	10	11	62	.1	9	8	479	2.85	7	5	ND	5	25	2	2	3	38	.39	.054	18	18	.29	225	.02	13	1.08	.01	.11	1	1
8561428	1	7	5	44	.1	8	6	315	1.86	3	5	ND	3	18	1	2	2	41	.25	.025	12	20	.35	123	.06	5	1.08	.01	.07	1	1
8561429	1	19	13	43	.1	10	6	221	2.46	4	5	ND	4	23	2	2	2	62	.27	.030	13	25	.35	277	.08	8	1.51	.01	.07	2	1
8561430	1	13	11	56	.1	13	11	752	2.67	5	5	ND	5	23	1	2	2	58	.27	.027	15	27	.44	456	.04	3	2.14	.01	.09	1	1
8561431	1	10	10	51	.2	8	6	293	2.12	3	5	ND	4	22	2	2	2	40	.29	.034	12	17	.28	369	.03	8	1.24	.02	.08	2	1
8561432	1	13	11	60	.3	12	6	226	2.84	6	5	ND	4	26	3	2	2	63	.34	.024	12	29	.49	322	.07	9	1.94	.01	.10	1	2
8561433	1	8	13	48	.1	11	6	260	2.47	9	5	ND	5	23	1	2	2	55	.34	.030	12	22	.43	139	.06	6	1.54	.01	.07	1	1
8561434	1	9	5	45	.1	10	6	258	2.31	6	5	ND	3	22	2	2	2	51	.32	.028	11	19	.36	189	.05	11	1.44	.02	.08	2	1
8561435	1	7	6	46	.2	7	6	285	2.01	5	5	ND	4	18	2	2	3	44	.26	.023	12	16	.35	100	.06	7	.83	.01	.08	2	1
8561436	1	10	10	63	.1	11	7	404	2.25	6	5	ND	3	23	1	2	2	47	.33	.035	11	22	.44	186	.05	4	1.41	.01	.12	1	3
8561437	1	5	10	44	.1	6	5	209	2.05	5	5	ND	3	16	1	3	2	44	.19	.014	10	12	.21	94	.03	4	.98	.01	.06	2	1
8561438	1	5	5	46	.2	6	3	182	1.24	2	5	ND	4	26	1	2	2	24	.42	.054	16	12	.19	215	.04	5	.78	.01	.06	1	1
8561443	1	6	5	53	.3	5	3	150	1.14	4	5	ND	4	23	1	2	2	21	.39	.045	14	13	.21	184	.03	5	.77	.01	.05	1	1
8561451	1	12	16	45	.1	8	5	312	2.64	9	5	ND	4	10	2	2	2	67	.08	.034	9	18	.23	71	.09	7	1.37	.01	.06	2	1
8561452	1	19	14	65	.1	15	7	211	3.26	8	5	ND	4	16	1	2	2	65	.17	.031	10	35	.43	115	.09	5	2.96	.01	.07	1	1
8561453	1	9	18	42	.1	8	4	220	2.44	20	5	ND	3	9	1	3	2	55	.09	.025	10	16	.21	76	.05	3	1.27	.01	.06	4	2
8561454	1	11	10	46	.1	11	5	216	2.90	9	5	ND	4	12	2	2	2	69	.14	.024	9	27	.33	81	.08	5	1.75	.01	.07	1	1
8561455	1	15	18	58	.3	11	5	241	2.77	8	5	ND	4	18	3	2	2	60	.17	.025	11	24	.31	123	.07	5	1.82	.01	.05	1	2
8561456	1	20	31	82	.1	17	10	536	2.96	18	5	ND	5	17	1	2	2	43	.13	.023	15	28	.33	179	.03	7	2.65	.01	.10	1	1
8561457	1	12	13	61	.1	12	6	266	3.96	14	5	ND	3	18	1	2	2	102	.17	.055	11	28	.41	143	.13	6	1.59	.01	.08	1	1
8561458	1	8	17	48	.1	9	5	236	1.34	2	5	ND	5	20	2	2	2	28	.25	.027	15	22	.37	172	.05	4	1.31	.01	.06	2	2
STD C/AU-S	18	59	37	132	6.7	68	30	1026	3.92	40	18	8	39	43	19	16	19	59	.46	.086	40	60	.84	181	.07	33	1.89	.05	.15	11	47

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 %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
8564159	1	19	25	68	.1	16	8	321	3.40	12	5	ND	4	23	1	2	2	71	.20	.026	14	32	.53	170	.07	4	2.58	.01	.12	1	1
8564160	1	21	23	57	.2	15	7	273	3.17	8	5	ND	3	18	1	2	4	61	.17	.036	14	25	.40	133	.05	3	2.33	.01	.08	1	1
8564161	1	12	7	39	.1	10	5	133	2.25	3	5	ND	3	19	1	2	2	53	.20	.016	16	21	.31	145	.04	4	1.44	.01	.07	1	2
8564162	1	11	3	38	.1	9	5	125	2.34	4	5	ND	3	18	1	2	2	51	.26	.036	14	20	.33	120	.05	2	1.29	.01	.07	1	1
8564163	1	13	6	50	.1	10	5	164	2.12	3	5	ND	1	22	1	2	2	46	.29	.017	13	21	.39	397	.05	2	1.48	.01	.07	1	1
8564164	1	13	3	69	.2	15	7	254	3.42	10	5	ND	4	23	1	2	2	83	.32	.029	13	33	.60	149	.13	2	1.62	.01	.09	1	1
8564165	2	35	11	93	.2	17	7	287	2.58	4	5	ND	3	34	1	2	2	68	.60	.145	23	32	.61	159	.08	2	1.38	.02	.10	1	1
8564166	1	7	23	32	.1	10	5	147	1.72	6	5	ND	4	17	1	2	2	33	.27	.057	15	15	.29	174	.04	2	1.05	.01	.06	1	2
8564167	1	13	16	80	.1	12	8	718	3.24	10	5	ND	14	15	2	16	2	44	.18	.041	56	19	.38	185	.06	4	1.46	.01	.15	1	1
8564168	1	12	11	75	.1	7	8	675	2.86	16	5	ND	19	19	1	46	2	33	.12	.023	37	11	.27	129	.05	4	.83	.01	.15	1	1
8564169	1	13	10	60	.1	16	10	315	2.53	7	5	ND	9	18	1	2	2	42	.19	.034	17	24	.46	91	.07	2	2.05	.01	.12	1	1
8564170	1	16	11	117	.1	7	10	712	4.16	6	5	ND	29	10	1	2	2	32	.08	.024	51	9	.21	56	.02	2	1.47	.01	.11	1	1
8564171	1	16	18	155	.1	7	12	1389	4.31	11	5	ND	33	19	1	15	2	35	.20	.035	55	12	.42	397	.05	3	1.79	.01	.46	1	1
8564172	1	15	11	117	.1	7	11	865	3.89	4	5	ND	25	13	1	20	2	40	.15	.037	44	11	.41	93	.06	11	1.45	.01	.35	1	2
8564173	1	20	5	73	.1	16	11	521	3.17	9	5	ND	12	15	1	13	2	47	.17	.028	27	23	.53	106	.09	2	1.91	.01	.20	1	1
8564174	1	16	6	77	.1	17	10	438	3.74	9	5	ND	11	16	1	13	3	61	.18	.035	22	29	.58	126	.11	2	2.31	.01	.18	1	1
8564175	1	16	10	79	.1	10	9	441	3.40	9	5	ND	20	11	1	18	2	42	.09	.016	37	17	.44	76	.08	2	1.66	.01	.44	1	2
8564176	1	13	20	81	.1	8	8	486	3.25	13	5	ND	21	16	3	14	2	37	.08	.022	31	13	.27	72	.04	3	1.29	.01	.15	1	2
8564177	1	15	7	74	.2	11	7	292	3.12	16	5	ND	15	20	2	7	2	38	.09	.022	24	16	.31	71	.03	9	1.66	.01	.13	1	1
8564178	1	15	7	68	.1	10	10	723	2.99	9	5	ND	15	17	1	15	2	34	.13	.027	24	15	.29	112	.05	2	1.16	.01	.11	1	2
8564179	1	16	10	77	.1	4	7	435	3.42	16	5	ND	21	26	1	16	2	43	.27	.075	36	6	.22	87	.01	11	1.30	.01	.13	1	1
8564180	1	14	7	66	.1	10	6	783	3.18	12	5	ND	27	13	1	661	2	33	.11	.028	48	16	.27	96	.04	2	1.32	.01	.09	1	3
8564181	1	20	9	62	.2	17	9	361	2.73	10	5	ND	13	16	2	109	2	47	.16	.014	22	27	.48	127	.07	2	1.93	.01	.10	1	2
8564182	1	16	9	73	.1	12	8	590	2.87	8	5	ND	23	21	1	133	2	39	.25	.025	60	19	.40	232	.08	2	1.21	.01	.13	1	2
8564183	1	16	6	51	.1	15	7	306	2.27	9	5	ND	9	18	1	16	2	42	.25	.037	27	24	.49	143	.07	4	1.60	.01	.10	1	1
8564184	1	23	10	64	.1	22	9	436	2.79	7	5	ND	14	20	1	7	2	53	.26	.035	22	31	.61	162	.10	3	2.16	.01	.13	1	2
8564185	1	20	9	71	.1	15	8	475	2.74	9	5	ND	20	25	2	26	2	44	.29	.031	64	23	.47	162	.09	3	1.44	.01	.15	1	2
8564186	1	12	2	46	.2	14	12	462	2.56	17	5	ND	7	22	1	2	8	60	.36	.066	18	24	.40	191	.08	13	1.15	.02	.06	1	2
8564187	1	13	9	41	.1	14	11	430	2.44	20	5	ND	6	17	1	2	2	55	.26	.045	17	21	.32	151	.07	4	1.13	.01	.05	1	5
8564188	1	15	4	75	.1	10	12	843	3.82	32	5	ND	5	30	1	2	2	99	.25	.060	15	20	.16	394	.03	2	.73	.01	.04	1	3
8564189	1	18	2	58	.1	17	9	347	3.07	17	5	ND	6	24	1	2	2	75	.32	.052	16	32	.51	419	.09	2	1.63	.01	.06	1	2
8564190	1	14	6	63	.1	14	13	395	2.95	28	5	ND	6	23	2	2	2	72	.26	.051	16	25	.32	124	.06	2	1.13	.01	.05	1	7
8564191	1	18	10	58	.1	17	10	339	2.91	25	5	ND	6	20	1	2	2	67	.26	.043	16	28	.41	191	.07	2	1.63	.01	.08	1	23
8564192	1	26	7	82	.1	27	12	328	3.39	33	5	ND	7	22	1	2	2	86	.27	.045	20	45	.57	331	.10	2	1.87	.01	.10	1	2
8564193	1	34	4	115	.1	47	15	441	3.81	40	5	ND	7	19	1	2	2	99	.34	.090	23	67	.78	198	.16	2	1.70	.01	.63	1	1
8564194	4	84	19	247	.1	131	25	662	6.47	171	5	ND	9	40	1	3	2	82	.13	.060	29	40	.30	173	.03	2	1.18	.01	.19	1	6
STD C/AU-S	18	60	37	132	7.1	70	30	1029	3.85	41	17	8	37	48	17	16	19	59	.46	.088	41	57	.85	181	.07	33	1.88	.05	.14	12	48

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 %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
8564195	5	55	16	135	.2	53	14	397	4.72	98	5	ND	5	38	1	2	2	83	.26	.061	22	53	.59	485	.07	2	1.86	.01	.51	1	26
8564196	4	37	12	112	.4	31	11	355	4.37	60	5	ND	3	28	1	2	2	93	.23	.087	16	51	.61	560	.06	2	2.40	.01	.36	1	5
8564197	1	16	5	72	.1	20	7	250	3.50	15	5	ND	6	21	2	2	2	90	.35	.064	20	43	.59	200	.12	3	1.29	.01	.19	1	7
8564198	1	12	8	42	.1	13	9	360	2.38	18	5	ND	5	16	1	2	2	50	.25	.043	14	22	.36	143	.06	2	1.24	.01	.36	1	1
8564199	1	9	7	36	.1	10	7	193	1.74	33	5	ND	3	16	1	2	2	36	.22	.049	11	14	.22	63	.04	7	.84	.01	.05	1	1
8564200	1	22	13	71	.1	24	8	306	4.15	18	5	ND	4	18	1	2	6	92	.22	.025	15	41	.58	93	.13	2	1.73	.01	.20	1	42
8564201	3	41	23	107	.1	29	12	553	4.20	58	5	ND	2	23	1	2	3	97	.19	.046	19	44	.65	194	.09	4	2.31	.01	.20	1	1
8564202	4	69	23	88	.1	21	16	449	6.62	14	5	ND	7	19	1	2	2	53	.35	.160	20	15	.23	324	.01	2	1.12	.01	.14	1	1
8564203	4	75	28	316	.1	13	14	491	6.28	28	5	ND	6	41	1	2	3	39	.13	.079	17	12	.15	178	.01	2	1.05	.03	.18	1	1
8564204	3	59	26	210	.1	19	12	897	4.99	16	5	ND	6	24	1	2	3	76	.19	.066	17	40	.51	217	.06	2	2.06	.02	.17	1	5
8564205	2	40	15	92	.1	9	6	227	3.46	13	5	ND	2	21	1	2	2	70	.13	.046	12	21	.25	224	.06	5	1.05	.02	.12	1	1
8564206	2	74	10	115	.1	17	12	272	5.69	16	5	ND	4	27	1	2	2	97	.11	.076	13	49	.51	361	.09	2	1.35	.04	.52	1	1
8564207	2	81	11	93	.1	15	11	216	5.33	13	5	ND	4	22	1	2	3	56	.14	.075	17	34	.30	329	.03	2	1.48	.02	.18	1	2
8564208	2	31	12	74	.2	12	7	201	4.74	11	5	ND	6	39	1	2	2	91	.16	.072	14	29	.63	349	.10	2	1.79	.05	.56	1	18
8564209	4	22	7	35	.1	8	4	89	2.89	8	5	ND	5	26	1	2	3	34	.10	.047	26	19	.18	233	.02	7	.91	.02	.18	1	1
8564210	7	30	14	31	.1	4	3	65	4.27	12	5	ND	6	44	1	2	2	23	.08	.066	30	7	.09	80	.01	2	.77	.08	.61	1	7
8564211	8	47	32	19	.1	2	2	28	4.21	18	5	ND	5	32	1	2	2	12	.05	.085	17	2	.03	57	.01	6	.67	.04	.77	1	1
8564212	2	40	30	110	.1	16	13	499	4.82	12	5	ND	6	26	1	2	2	76	.23	.016	18	29	.70	235	.01	2	3.85	.01	.15	1	1
8564213	1	15	12	45	.1	16	7	192	2.50	9	5	ND	4	19	1	2	2	47	.27	.040	12	25	.51	127	.07	8	1.82	.01	.10	2	1
8564214	1	19	11	58	.2	16	10	815	3.06	10	5	ND	5	24	1	3	2	57	.48	.061	18	24	.53	377	.06	9	1.54	.02	.10	1	1
8564215	1	12	11	68	.2	10	8	139	1.97	2	5	ND	3	22	2	2	2	36	.48	.056	14	21	.44	227	.04	3	1.52	.02	.06	1	1
8564216	1	11	7	63	.1	11	6	296	1.74	3	5	ND	1	30	1	2	2	36	.43	.055	10	21	.40	193	.04	9	1.54	.02	.05	1	1
8564217	1	10	15	51	.1	10	6	314	1.87	4	5	ND	1	23	1	2	2	36	.47	.042	13	19	.41	158	.04	6	1.16	.02	.06	1	1
8564218	2	17	11	56	.1	16	9	449	3.05	17	5	ND	3	34	1	3	2	47	.51	.044	19	24	.43	278	.04	5	1.19	.02	.07	1	12
8564219	1	16	13	54	.2	14	8	300	2.81	7	5	ND	4	51	1	2	2	43	.64	.037	17	20	.39	186	.04	4	1.01	.02	.06	1	38
8564220	1	13	20	85	.1	15	11	474	3.69	12	5	ND	4	27	1	2	2	61	.36	.028	12	24	.44	161	.04	10	1.70	.01	.09	1	1
8564221	1	20	17	52	.2	15	8	397	2.65	6	5	ND	2	70	1	2	2	43	.86	.057	19	24	.50	421	.04	2	1.43	.02	.05	1	1
8564222	1	16	10	45	.2	13	7	336	2.41	5	5	ND	1	42	1	2	3	42	.57	.050	16	20	.40	365	.04	2	1.16	.02	.06	1	2
8564223	1	20	9	51	.1	11	7	354	2.31	6	5	ND	2	42	1	2	2	38	.65	.052	17	21	.44	348	.04	3	1.26	.02	.07	1	1
8564224	1	18	8	49	.1	13	7	318	2.29	4	5	ND	2	35	1	2	2	45	.56	.045	15	22	.44	195	.06	3	1.19	.02	.06	1	10
8564225	1	15	11	48	.1	12	7	292	2.50	5	5	ND	4	32	1	2	2	45	.55	.053	17	22	.48	160	.05	3	1.05	.02	.06	1	1
8564226	1	35	15	67	.1	16	10	1295	2.39	6	5	ND	1	58	1	2	2	40	.90	.056	21	25	.55	431	.04	2	1.52	.02	.08	1	1
8564227	1	21	13	51	.1	15	9	359	2.69	7	5	ND	3	43	1	2	2	40	.61	.043	16	24	.51	213	.04	2	1.35	.02	.07	1	2
8564228	1	25	13	59	.2	14	9	436	3.07	6	6	ND	2	52	1	2	3	41	.94	.054	16	21	.51	451	.03	4	1.28	.02	.08	1	1
8564229	1	24	24	67	.1	14	9	492	2.72	8	5	ND	1	43	1	2	2	49	.92	.078	17	23	.51	460	.03	5	1.63	.02	.08	1	4
8564230	1	21	40	56	.6	12	7	292	2.19	6	5	ND	2	29	1	2	2	43	.54	.049	15	21	.50	211	.04	16	1.51	.02	.07	1	1
STD C/AU-S	18	60	40	131	6.8	69	30	1022	3.97	40	17	8	39	49	18	17	19	60	.47	.085	41	58	.87	178	.07	34	1.92	.05	.15	13	48

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 %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
8564231	1	10	8	53	.2	12	8	280	2.55	12	5	ND	2	30	1	4	2	45	.44	.034	16	25	.39	117	.05	4	.95	.02	.07	1	5
8564232	1	10	10	52	.2	12	7	260	2.34	7	5	ND	3	29	1	5	2	42	.48	.058	17	26	.50	180	.06	5	1.20	.02	.08	1	4

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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 %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
8524031	6	30	42	50	1.0	10	1	71	1.02	52	9	ND	4	9	1	12	3	1	.01	.004	4	7	.01	243	.01	7	.06	.01	.04	2	19
8524032	10	7	7	12	.2	7	1	95	.69	11	5	ND	9	22	1	38	2	6	.02	.004	13	54	.01	657	.01	5	.27	.01	.07	2	3
8524033	15	6	6	8	.1	13	1	96	.63	6	5	ND	7	19	1	45	2	5	.01	.002	11	11	.01	612	.01	3	.26	.01	.07	3	5
8524034	4	6	2	8	.1	8	2	104	.52	17	5	ND	15	25	2	18	2	2	.01	.003	16	64	.01	844	.01	6	.18	.01	.06	2	3
8524035	8	3	2	35	.1	8	2	31	.36	15	5	ND	2	14	3	21138	2	4	.16	.002	8	6	.01	49	.01	4	.32	.01	.03	1	1
8524036	5	11	7	26	.1	6	2	106	1.23	17	5	ND	7	29	3	943	2	4	.03	.005	15	33	.02	70	.01	5	.36	.01	.11	1	21
8524037	20	18	28	24	.9	16	2	39	.91	410	5	ND	2	86	1	140	2	4	.02	.005	3	11	.01	383	.01	6	.19	.01	.10	1	50
8524038	2	12	4	50	.1	11	18	360	2.15	66	5	ND	3	36	1	10	2	25	.08	.031	8	25	.01	427	.01	8	.49	.01	.06	1	23
8524039	6	6	2	2	.2	14	1	25	.54	14	5	ND	2	11	1	15	2	1	.01	.002	5	12	.01	896	.01	3	.13	.01	.07	1	1
8524040	4	24	7	56	.4	9	10	864	3.62	6	5	ND	3	149	3	9	2	20	6.22	.067	20	14	1.65	616	.01	3	.54	.02	.17	1	8
8524041	1	23	7	65	.3	24	17	726	4.97	6	5	ND	4	143	3	9	2	70	3.43	.062	24	38	1.63	264	.01	5	1.42	.06	.14	1	3
8524042	2	2	14	89	.2	9	8	995	4.40	18	5	ND	2	446	2	3	2	13	15.90	.011	5	5	5.76	97	.01	4	.20	.01	.11	2	1
8524043	1	24	18	70	.1	26	17	793	5.08	15	5	ND	4	148	3	8	2	67	3.45	.062	23	50	1.85	139	.01	18	2.07	.05	.11	1	2
8521384	20	42	18	218	.1	69	35	142	3.57	226	5	ND	5	40	2	14	2	70	.09	.031	8	31	.05	496	.01	3	.65	.01	.06	1	4
8521403	1	10	8	42	.1	11	5	801	2.42	3	5	ND	5	18	1	6	2	43	.53	.061	17	11	.11	193	.01	6	.60	.01	.18	1	2
8521404	1	1	10	85	.1	4	4	1103	3.90	2	5	ND	4	10	2	6	2	70	2.06	.087	11	16	1.35	60	.07	3	1.38	.17	.24	1	4
8521405	1	29	13	114	.2	7	15	1039	5.46	20	5	ND	10	135	1	7	2	101	2.21	.157	30	17	1.91	467	.13	15	2.12	.03	.18	1	2
STD C/AU-R	20	63	41	132	7.4	73	30	1048	4.35	43	20	7	39	51	20	16	21	62	.50	.089	39	61	.97	180	.07	34	2.03	.05	.16	12	495