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EXPLORATION REPORT  
ON THE  
SADIM PROPERTY  
SADIM 1 - 6 CLAIMS

FILMED

RECONNAISSANCE GEOCHEMICAL ROCK SAMPLING,  
VLF-EM & MAGNETOMETER SURVEYS,  
TRENCHING, GEOLOGICAL MAPPING & SAMPLING,  
AND DIAMOND DRILLING PROGRAMMES

Missezula Mountain Area  
Similkameen Mining Division, B.C.  
NTS Ref. 92H/10E  
Latitude: 49°44'40"  
Longitude: 120°30'40"

For  
LARAMIDE RESOURCES LTD.

By  
I.M. WATSON & ASSOCIATES LTD.

GEOLOGICAL BRANCH  
ASSESSMENT REPORT

16,889  
PART 1 OF 2

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Vancouver, B.C.

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## INTRODUCTION

The SADIM 1 - 6 claims are situated in the Missezula Mountain area of southwestern B.C. The claims are underlain by rocks of the Nicola Belt in a geological setting essentially similar to that hosting the porphyry copper-gold deposits of the Quesnel Trough in the Quesnel-Cariboo area.

Geological and geochemical reconnaissance surveys of the SADIM 1 - 4 claims during the summer of 1985 revealed gold and silver bearing quartz veins within a northerly trending zone of altered tuffs close to the common boundary between the SADIM 3 and 4 claims (Watson, 1985). Preliminary sampling of the veins and host rocks gave encouraging results; follow-up trenching programmes during September/October and December 1986 led to a preliminary six-hole diamond drilling programme during January/February 1987 (Watson 1987).

The trenching and drilling programmes showed that significant gold contents occur in quartz-vein 'stockworks' within carbonatised tuffs. The veins and alteration zone appeared to be related to major northerly striking shear zones. Trenching had exposed the zone of interest over an area approximately 200 metres by 60 metres, and drill results suggested that the stockwork was open to the north, to the east, and possibly to the south. Au/Ag contents were strongest in the more northerly drill holes and trenches (3,090 ppb Au over 9.0 metres in hole #6, including a one metre section assaying 19,800 ppb and 159.1 ppm Ag).

Further trenching and diamond drilling were undertaken during June - September 1987 to test for extensions of the zone along strike and at depth. VLF-EM and magnetometer surveys were completed over the main area of interest on the SADIM 3 and 4 claims, and a reconnaissance geochemical rock sampling programme was carried out over the SADIM 1, 2, 5 and 6 claims, as well as the unexplored western part of the SADIM 3 claim.

The results of these programmes are summarised in this report.



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**Figure 1: Index Map**

**L. M. Watson & Associates Ltd.**

**LOCATION, ACCESS & PHYSIOGRAPHY** (Figures 1 and 2)

The SADIM claims are situated four kilometres east of Highway 5, 30 kms. north of Princeton and 45 kms. south of Merritt, within the Similkameen Mining Division. The centre of the property is at  $49^{\circ}44'40''\text{N}$ ,  $120^{\circ}30'40''\text{W}$ . The NTS reference is 92H/10E.

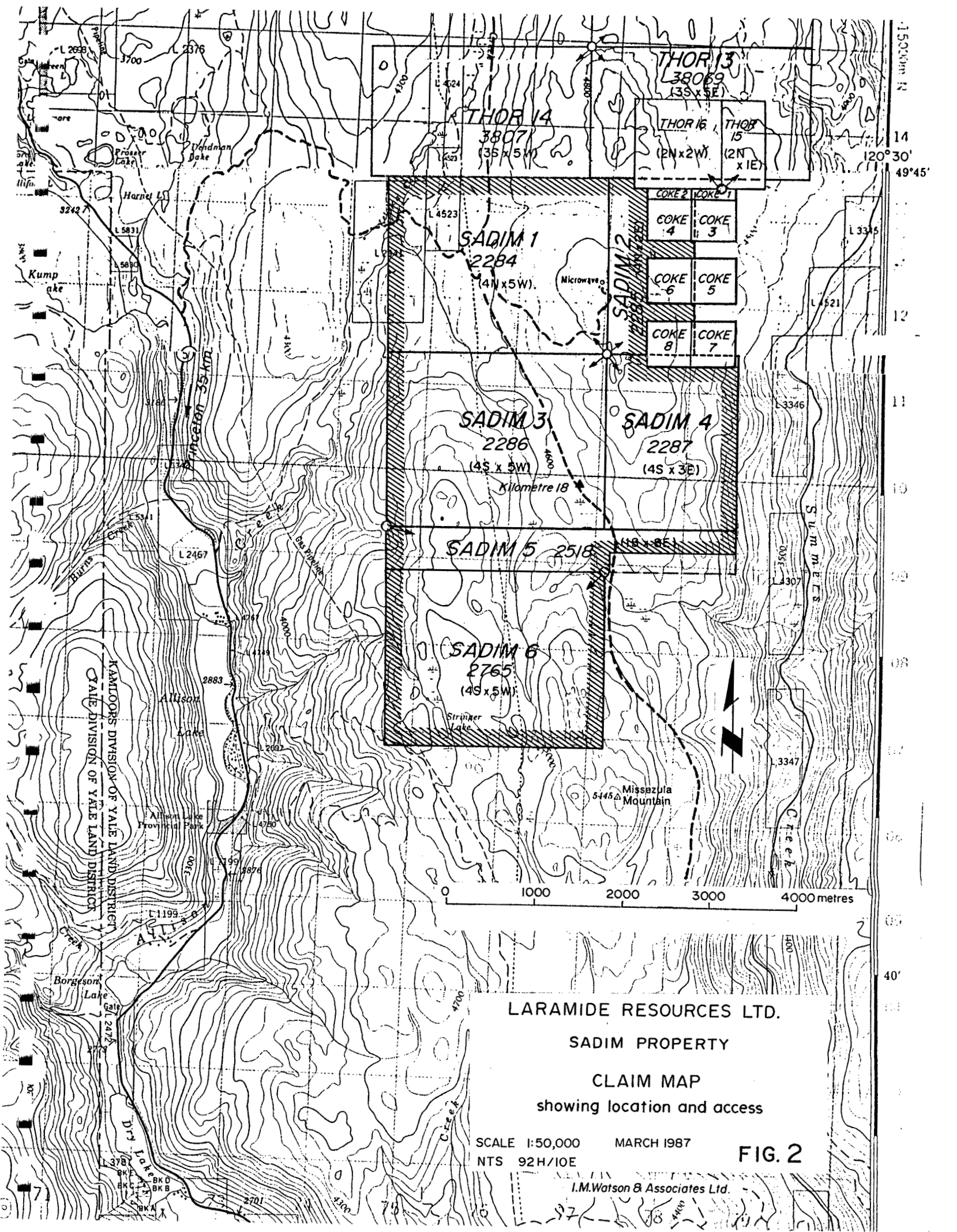
Access to the property from Highway 5 is by the Dillard-Ketchan Creek main logging road which branches east from the highway about 12 kms. south of the village of Aspen Grove. The Ketchan Creek road traverses the SADIM 1 and 3 claims in a southeasterly direction. Distance from Highway 5 to the property is approximately 16 kms.

An alternate access route is by gravel logging road from Highway 5 at a point 2.5 kms. north of Allison Lake. This road climbs east for 5 kms. to join the Ketchan Creek road at the northwestern corner of the SADIM 1 claim.

Within the property boundaries, logging and 'mining' roads, and the B.C. Telephone microwave tower road, provide good access to all parts of the claim group. The B.C. Hydro power line crosses the centre of the SADIM 1 and 3 claims.

The property occupies the summit area of the broad, north trending ridge separating the deep fault valleys of Summers Creek to the east and Allison Creek to the west. Elevations on the property range from 1615 metres at the summit of Microwave Hill, on the common boundary between SADIM 1 and 2, to 1200 metres at the headwaters of Allison Creek, in the northwestern corner of the SADIM 1 claim. The topography is typical of this part of the Thompson Plateau, reflecting the effects of a predominantly northerly structural trend, accentuated by glaciation; heavily forested, relatively gentle upland slopes are cut by deep, steep-sided, north trending valleys. Bedrock exposure varies and is largely a function of glacial action; generally outcrop is abundant on ridges and along the upper slopes of steep valleys but lower slopes and valley bottoms bear a thick mantle of glacial overburden.

Away from the main north-south river valleys, drainage is weakly developed and consists of ill-defined water courses and seepages.



Vegetation is dense on shaded and northerly slopes, but is more open on south facing hillsides; mixed conifers, alder and poplar predominate. Logging operations are currently active immediately south of the SADIM claims.

### CLAIMS (Figure 2)

The SADIM property consists of six mineral claims containing a total of 88 units, as follows:

<u>Claim Name</u>	<u>No. of Units</u>	<u>Record No.</u>	<u>Recording Date</u>
SADIM 1	20	2284	10 October 1984
SADIM 2	8	2285	10 October 1984
SADIM 3	20	2286	10 October 1984
SADIM 4	12	2287	10 October 1984
SADIM 5	8	2518	30 December 1985
SADIM 6	20	2765	8 December 1986

The SADIM 1-4 claims were staked by and on behalf of I.M. Watson on the 17th and 18th September 1984. Ownership was transferred to Laramide Resources Ltd. by bill of sale dated 12 November, 1985. The SADIM 5 and 6 claims were staked for Laramide on 5th December, 1985 and 30th November, 1986, respectively.

### HISTORY

The earliest record of work in the SADIM claim area dates back to the early 1960's - the beginning of the porphyry copper exploration boom which persisted until the early 1980's. Most of the work recorded within the present SADIM claim area was concentrated in the northeastern and eastern part of the claim group, over the SADIM 2 and 4 claims.

The following is a summary of past activity in the property area.

1962 The 40 claim KR group was staked by Plateau Metals Ltd. Work consisted of a magnetometer survey, bulldozer trenching, and an undisclosed amount of diamond drilling. The claims occupied the area presently covered by the SADIM 2 claim, and by the northern part of the SADIM 4 claim.



- 1966 Adera Mining Ltd. optioned the KR claims and carried out soil sampling and magnetometer surveys followed by diamond drilling. The claims were allowed to lapse.
- 1970 Amax Explorations Inc. staked the RUM claims; the southern half of the property lay within the area now covered by the SADIM 2 and 4 claims. Work done by Amax consisted of geological mapping, soil sampling, and magnetometer and I.P. surveys, followed by a nine-hole, 1879-foot percussion drilling programme.
- 1972 Kalco Valley Mines Ltd. optioned the RUM claims, then relinquished the property after a programme of mapping and trench sampling.
- 1973-74 Bronson Mines Ltd. staked the CINDY claims, covering ground now lying within the SADIM 1 claim. Mapping and prospecting programmes were carried out.
- 1974 Ruskin Developments Ltd. acquired the RUM claims, and completed geological mapping and soil sampling surveys before allowing the ground to lapse.
- 1979-81 Cominco Ltd. staked 55 claims, (RUM 1-55), coincident with the main area of interest covered by the original RUM claims staked by Amax. Cominco refurbished and renumbered the old Amax grid and used it for control of geological, soil and rock geochemical, and magnetometer surveys. Since then Cominco has allowed the claims to lapse.
- 1984-87 The SADIM 1-4 claims were staked by I.M. Watson in October 1984 and were subsequently transferred to Laramide Resources in 1985. In the fall of 1985 Laramide carried out reconnaissance mapping, prospecting and geochemical soil sampling. Encouraging soil and rock geochemical results in the southern part of the SADIM 3 and 4 claims led to detailed sampling and mapping of the anomalous area. Gold and silver bearing quartz veins were found in rusty

altered tuffs, over a strike distance of at least 300 metres. Preliminary chip sampling of the mineralised vein material yielded assays of up to 4,120 ppb Au, and a selected grab sample contained 0.20 oz/ton Au (Watson 1985).

During the fall and early winter of 1986 a two phase excavator trenching programme was carried out over the area of interest indicated by the mapping and sampling work. Fourteen excavator trenches (775 metres total length) were completed and sampled (Watson 1987). The trenches exposed the gold-silver bearing stockwork and host alteration zone over an area 200 m. x 60 m. Gold contents of trench samples ranged from 50 to 4,350 ppb Au, and a 1.1 metre quartz vein in Trench #2 assayed 6,390 ppb Au (0.19 opt).

The zone was tested by a six hole 292 metre diamond drill programme during late January and early February 1987. The holes were evenly spaced (50 m.) along a 200 metre strike length of the altered tuff host rock. Broken ground in major shear zones prevented completion of all but one of the holes, but the zone was partially tested to a depth of 50 metres. The most northerly hole, #6, intersected 9 metres of altered tuff and quartz vein stockwork which assayed 3,090 ppb Au, and included a one metre section containing 19,800 ppb Au (0.58 opt) and 159.1 ppm Ag (4.6 opt).

The results of the trenching and drilling programme indicated that the gold bearing zone required further exploration to the north and east, and probably to the south where ground conditions had prevented adequate testing by the drill.

#### SUMMARY OF WORK JUNE 1987 - OCTOBER 1987

The 1987 summer's season work on the SADIM property continued the investigation of the gold bearing quartz-vein stockwork. Work consisted of trenching, sampling, geological mapping and diamond drilling. VLF-EM and magnetometer surveys were completed over the area of interest and a reconnaissance rock sampling survey was made over the remainder of the claims group.

(a) Trenching/Sampling Programme

Twenty-seven trenches (a total of 2,045 lineal metres) were completed during a three phase programme, using a JWSB H90 Excavator rented from Douglas Lake Ranch. The locations of the trenches are shown on Fig. 4. Initial efforts were intended to uncover strike extensions of the host altered tuffs to the south and north of the zone investigated by the 1985-1986 work. Targets for the trenches were selected on the basis of geology (outcrops and/or float of host rock and vein quartz) and geochemical soil anomalies detected by the 1985 mapping and soil sampling programmes.

Most of the trenches are oriented east-west across the general strike of the host altered tuffs; a few (19A, 41, 39, and 40) were cut in a north-south direction in an attempt to cross the veins, which tend to form an irregular ladder pattern across the host tuffs.

Parallel zones of shear controlled alteration and quartz veining were discovered to the north and east of the 'Main' Zone, and these were also investigated by trenching (Trenches 17-21, 35-37, 41 and 42 - East Zone). A narrow zone of altered tuff containing gold bearing quartz, 650 metres north-west of the Main Zone, was explored by trenches 28, 29 and 33 (North Zone).

An 800 metres loop road was constructed in early September to provide easier access for the drill and other equipment to the area of interest east of the 8+00 West base line, between 0+00S and 5+00S.

All trenches were mapped and sampled; continuous chip samples were taken at 2 metre intervals. Additional chip and channel samples were taken to test individual veins or zones of specific interest. A total of 802 samples was collected, and shipped to Acme Analytical Laboratories Ltd. in Vancouver, to be analysed for Au, Ag, Pb and Cu. Gold was determined by atomic absorption (AA), and silver, lead and copper by the inductively coupled argon plasma method (ICP).

Results of the trench mapping and sampling programmes are illustrated by the series of geological and assay plans numbered Figs. 6 - 10 inclusive.

(b) Diamond Drilling Programme

The shortage of drilling equipment during 1987 resulted in the drilling programme being scheduled for two periods, June 18-30, and August 9th - September 27th, 1987. The drilling contractor was P.W. Diamond Drilling Ltd. of Barriere, B.C. Particular attention was paid to the problems of high compressive forces and circulation losses encountered by the winter drill programme, and by dint of careful control of drilling rates and mud additives P.W. was successful in obtaining good recovery of core and in completing all holes to the target depths.

Nine NQ diameter holes totalling 943 metres were completed (Fig. 4). All but hole #15, a 45° angle hole, were vertical. Six holes were drilled at 25 metre spacings to the north and east of the 'Main' Zone.

Drill hole #6, drilled in February 1987, had bottomed in attractively mineralised quartz-vein stockwork, and had intersected a one metre vein containing 19,200 ppb Au. Bad ground forced abandonment of the hole at this point and hole #9 was therefore drilled alongside #6 to test the 'high grade' zone and to attempt to penetrate through the shear zone.

Holes #13 and #15 were drilled to test a 'high grade' (4.4 opt Au) vein exposed in Trench 19 (Figs. 7, 7a). Hole #13 was drilled vertically to intersect the easterly striking and southerly dipping vein. Hole #15 was drilled at -45° to the north to cut the vein 30 m. to the east of hole 13.

The core was logged, split and sampled at one metre intervals. 883 samples were shipped to Acme Analytical Laboratories in Vancouver where they were analysed for gold, silver, lead and copper.

The split core is stored in covered racks at the Willow Heights Ranch, Aspen Grove.

Results of the drilling programme are illustrated by the series of longitudinal and cross sections showing geology and analytical results (Figs. 11 - 17).

(c) Geophysical Surveys

Magnetometer and VLF-EM surveys were completed over the areas of the SADIM 3 and 4 claims underlain by the gold bearing altered tuffs. It was hoped that the VLF-EM method might obtain a response from the pyritic host rocks or from any significant concentration of sulphides associated with the gold bearing quartz veins. It was also hoped that both methods would assist in the geological interpretation of the area.

Control for the surveys was obtained from the hip-chain and compass flagged grid. Readings were taken at 25 metre intervals along east-west lines 50 metres apart.

A total of 17.9 line kms. was surveyed by each method.

The VLF-EM survey instrument was a Phoenix VLF2 using the Norfolk Va. transmitter. Values plotted are those obtained by applying the 'Fraser filter' formula  $((M_3 + M_4) - (M_1 + M_2))$  where  $M_{1-4}$  are any four consecutive data points), which transforms 'noisy' data into more readily contourable values.

The magnetometer survey employed a MF1 fluxgate instrument. Base stations were established along the base line and traverses were regularly tied to these stations to correct for diurnal variation. *Vertical component of field measured.*

Results of the VLF and magnetometer surveys have been contoured and are illustrated by Figs. 18 and 19.

(d) Reconnaissance Rock Sampling Programme

The sampling programme covered the SADIM 1, 2, 5 and 6 claims, and the unexplored western part of the SADIM 3 claim. On the SADIM 3, 5 and 6 claims

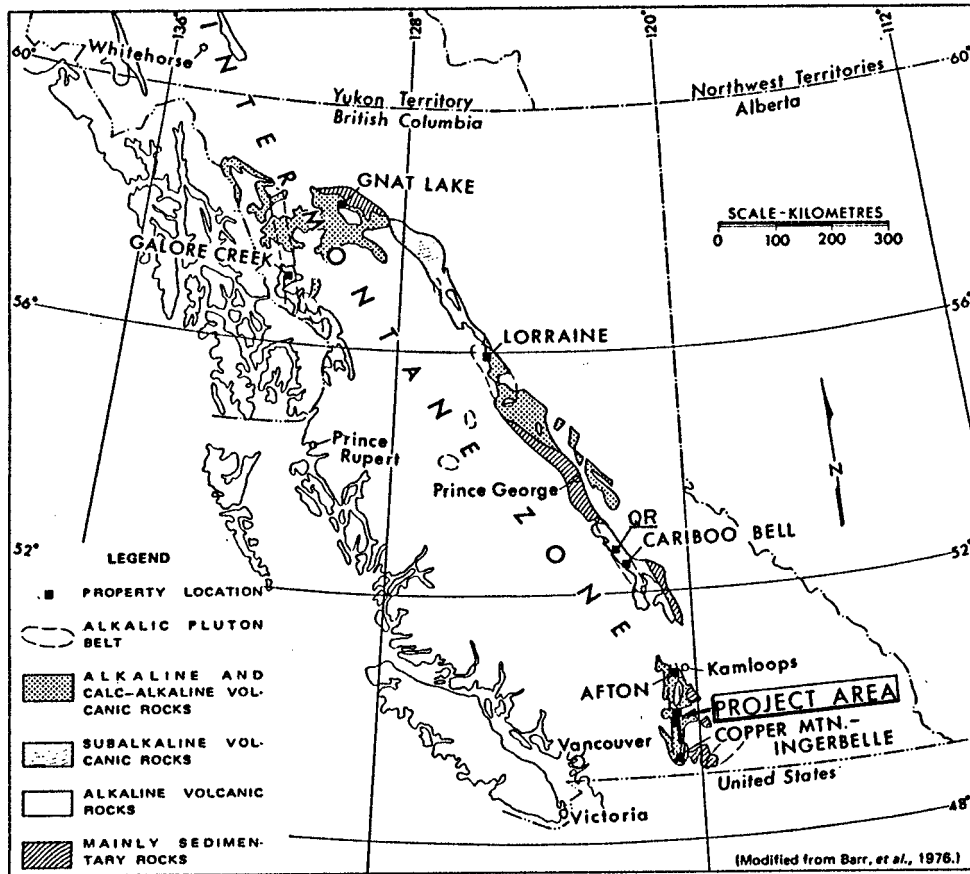
control for control for the survey was provided by an east-west chain and compass grid, using the B.C. Hydro power line as a base line. The well preserved Amax/Cominco picket line grid was used to control sampling on the SADIM 1 and 2 claims. Sample traverses were spaced at 100 metre intervals. Outcrops were sampled by collecting a 1-2 kgs. panel sample; particular attention was paid to any mineralised or altered zones.

A total of 221 samples were collected from 88.5 kms. of line traverses; all were shipped to Acme Analytical Laboratories in Vancouver to be analysed for Au, Ag, Pb, and Cu.

As an adjunct to the rock sampling programme, panned concentrates were collected from Mystery Creek, which flows north from the small lake in the centre of the SADIM 3 claim, and is the only drainage of significance within the SADIM claims. Samples were collected at 100 metre intervals along a 2,500 metre stretch of the creek. For subsequent anomaly follow-up, the sampling interval was reduced to 25 - 30 metres. Sufficient gravel was panned at each site to provide a minimum 10 - 20 gms. concentrate. 33 concentrate samples were shipped to Acme Analytical Laboratories where they were analysed for Au, Ag, Pb, and Cu.

As part of the preliminary follow-up programme the slopes flanking the anomalous stretches of the stream were prospected and 12 soil samples were collected at 50 metre intervals along traverses parallel to the creek. Samples were taken from the 'B' soil horizon, by digging holes about 30 ins. deep using a tree planter's spade. The bagged samples were shipped to the Acme lab to be analysed for Au, Ag, Pb, and Cu.

Sample locations and analytical results of the rock, stream, and soil sampling work are plotted on Figs. 20a and 20b.



Upper Triassic and Lower Jurassic volcanic rocks, significant copper deposits, and associated alkalic plutons in the Intermontane Zone.

LARAMIDE RESOURCES LTD.

SADIM PROPERTY

REGIONAL GEOLOGY

SCALE 1:13,500,000(approx) MARCH 1987

FIG. 3

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## GEOLOGY

### Regional

The Upper Triassic Nicola Group rocks extend from the 49th parallel north to Kamloops Lake, and continue north beneath Tertiary cover to emerge in the Quesnel area as the Quesnel Belt (Preto, 1979 and Fig. 3).

The volcanics of the Quesnel and Nicola Belts form a mixed alkaline and calc-alkaline sequence of basalts and derived breccias, tuffs, and minor sediments.

The volcanic rocks are intruded by comagmatic alkaline plutons, ranging in composition from syenogabbro to alkali syenite. The intrusions appear to be structure related and occur in belts along major lineaments and faults. They vary in size from plugs to small batholiths, and have been emplaced into the volcanic centres which produced the abundance of volcanic material (Barr et al, 1976).

In the Allison Lake-Missezula area, Preto has delineated three assemblages - a Western Belt of easterly dipping calc-alkaline flows, pyroclastics and sediments; a Central Belt of alkaline and calc-alkaline volcanics and intrusions, and minor sediments; and an Eastern Belt of westerly dipping volcanic sediments, tuffs and alkaline flows associated with small monzonite porphyry stocks. The belts are separated by major north-striking faults.

Preto believes that the Central Belt of dominantly volcanic rocks originates from eruptive centres along the major fault system, and points out the greater concentrations of mineral deposits along this belt.

### SADIM Property

The SADIM claims lie immediately west of the Summers Creek Fault, which marks the eastern boundary of Preto's Central Belt.



The property is underlain by northerly striking intermediate to basic flows (**1a**), green monolithic and polyolithic volcanic breccias (**1d, 1df**), tuffs (**1e**), and less abundant argillites (**1g**) and limestones (**1f**). These rocks have been intruded by irregular bodies of gabbroic to dioritic composition (**5**). Volcanics and sediments marginal to the intrusions have been variably propylitised (epidote-pyrite-chlorite-carbonate) and locally host erratically distributed copper-pyrite zones.

Current work on the property has been concentrated mainly in the southern parts of the SADIM 3 and 4 claims where a fault related zone of carbonatised and pyritic tuffs (**1e carb**) hosts quartz-vein stockworks containing significant gold and silver.

### SADIM Gold Showing Area

Figure 5 is the revised geological interpretation of the area of interest on the SADIM 3 and 4 claims. Changes and additions have been made on the basis of the new information derived from the trenching and drilling programmes, augmented by more detailed mapping of the area.

The general trend is slightly west of north; dips are steep to moderate easterly. 'Tops' have yet to be recognised.

A major easterly dipping shear zone, intersected in all but drill holes #13 and #15, projects to surface along the north trending swamp in the middle of the map area. The fault, probably a thrust, separates essentially andesitic breccias (**1d**), flows (**1a**) and tuffs (**1e**) on the west from mixed tuffs (**1e, 1e carb, 1e cal**) on the east. The fault zone, which is about 15 metres thick, occurs along a dark grey carbonaceous limestone (**1f**).

The shear has caused intense and extensive fracturing of the adjacent rocks, particularly the tuffs above and to the east of the fault. The fracturing has led to the development of quartz-vein stockworks. Veins range from hair fractures to greater than one metre in thickness. There appear to be two dominant strike directions, roughly 30° north and south of east-west. Dips are moderate to steep southerly.

The carbonatised tuffs (**1e carb**) appear to be altered equivalents of the pale purple and grey green tuff (**1e**). Contacts in core and outcrop are irregular and transitional, and veins within the darker tuffs have bleached alteration 'haloes' along their contacts. Alteration is related to intensity of fracturing and quartz veining. The altered tuffs are buff to pale grey, fine grained, and contain abundant small closely packed feldspars in a fine calcareous groundmass. Pyrite occurs as fine disseminations, and is concentrated most heavily in zones of quartz veining and fracturing. Weathering has oxidised the pyrite and the tuffs are strongly and pervasively hematitised to a depth of 10 metres.

Thin-section examination of altered tuff (**1e carb**) samples from drill hole core and trenches (Harris 1987) shows that the rock is a moderately to strongly carbonatised tuff of andesitic composition, consisting mainly of plagioclase crystals and minor quartz in a fine grained carbonate matrix. Carbonate also occurs as fine veinlets and segregations, many with quartz or cherty silica intergrowths.

Information from drilling and trenching to date indicates that the quartz vein stockworks and alteration zone are most strongly developed in the area between 3+00S and 4+00S along the base line (Main Zone). The longitudinal and cross sections (Figs. 11-15) show that the zone is arched, suggesting an easterly plunging anticlinal roll.

To the north the zone is concealed by overlying volcanic breccias (**1d** and **1df**), the alteration diminishes, and there is a transition to unaltered purple tuffs. To the south holes #4 and #5 were abandoned in sheared ground apparently above the altered tuffs. The zone appears to be cut off to the south, at surface, by a north-easterly trending fault, which has been interpreted from geological and magnetic discontinuities. Rocks south of this fault tend to be more sedimentary in character.

East of the Main Zone, and parallel to it, a series of shear controlled alteration zones have been partially delineated by trenching and mapping (East Zone). The bands of carbonatised pyritic tuff here are narrow and elongated; size, degree of alteration and abundance of quartz veining are related to intensity of shearing and fracturing.

**Mineralisation:** The quartz veins contain erratically disseminated sulphides, mainly pyrite, as well as chalcopyrite, and less commonly galena. In many cases, sulphides are concentrated along the vuggy margins or centres of a vein. Galena is usually present as very fine crystal clusters or linings along hair fractures in the quartz. Sulphide concentration is related to vein size and to density of fracturing of the host tuff. Trench and drill hole sampling results show a close relationship between precious metal content, quartz veining (and fracturing), and sulphide concentration. The presence of galena is a good indication of elevated gold and silver content.

No visible gold has been noted to date. Thin-section examination of sulphide bearing vein quartz (Harris 1987) revealed pyrite with galena, chalcopyrite and sphalerite, but no native gold. However, lead and silver tellurides (altaite and hessite) were identified, and it is possible that the gold may be present, at least in part, as a telluride. Support for this belief may be derived from the remarkably constant Au:Ag ratio (1:8) seen throughout the whole SADIM gold area.

The occurrence of gold and silver in the quartz vein stockwork, the nature of the alteration and the presence of sheared lenses of quartz diorite (Hole 87-1 at 40 m.) and feldspar porphyry (Hole 87-4 at 31 m.) suggest a mesothermal type of deposit emplaced via and within major shears and related fracture zones, and originating from an acid intrusion at depth.

## DISCUSSION & SUMMARY OF RESULTS

### 1. SADIM Gold Zones (Figs. 4 - 10)

- 1.1 The trenching and drilling programmes, augmented by the geophysical surveys, have provided additional information with which to evaluate and delineate the SADIM gold zones. This is reflected by the revised geological information, as illustrated by Fig. 5.

- 1.2 The magnetometer survey (Fig. 19) confirmed the distribution and trend of the more magnetic and more basic flow rocks and suspected intrusions in the south-central, north-western and north-eastern parts of the surveyed grid, but as might be expected in an area of such lithological and structural complexity, correlation of units and faults with magnetic features is not obvious.
- 1.3 The VLF-EM survey likewise provides few useful correlations with either mineralised zones or other geological features. An anomaly correlates with the major northerly striking shear that dips east below the host rocks of the Main Zone (3+00S to 7+00S immediately west of the 8+00W base line), but the strongest alteration containing the mineralised veins and pyritised host tuffs, is characterised by a relatively broad featureless area of low readings. The strongest VLF-EM anomaly, in the north-eastern corner of the grid, correlates with an area of complex and poorly defined lithology involving interfingering units of limestone, volcanic breccia and diorite.
- 1.4 Mapping, drill core and thin-sections show that the host rocks are andesitic tuffs which have undergone carbonatisation, pyritisation, and varying degrees of silicification. The alteration is related to major northerly trending shear zones and to cross-fractures developed along the shear zones. These fracture systems host the gold-silver bearing quartz veins which form easterly striking, southerly dipping stockworks across the strike of the host altered tuffs.
- 1.5 In essence, the data available to date shows that the host altered tuff (le carb) occurs in two adjacent and parallel zones striking north-north-westerly across the south part of the common boundary between the SADIM 3 and 4 claims.

A third zone (North Zone) outcrops on the east side of the Ketchan Road, 650 metres north-west of the Main Zone. Here trenching has exposed a narrow weakly mineralised lens of altered tuff, striking north-westerly and

dipping steeply north-east (Figs. 9, 9a). The lateral and down dip limits of this zone have not been established.

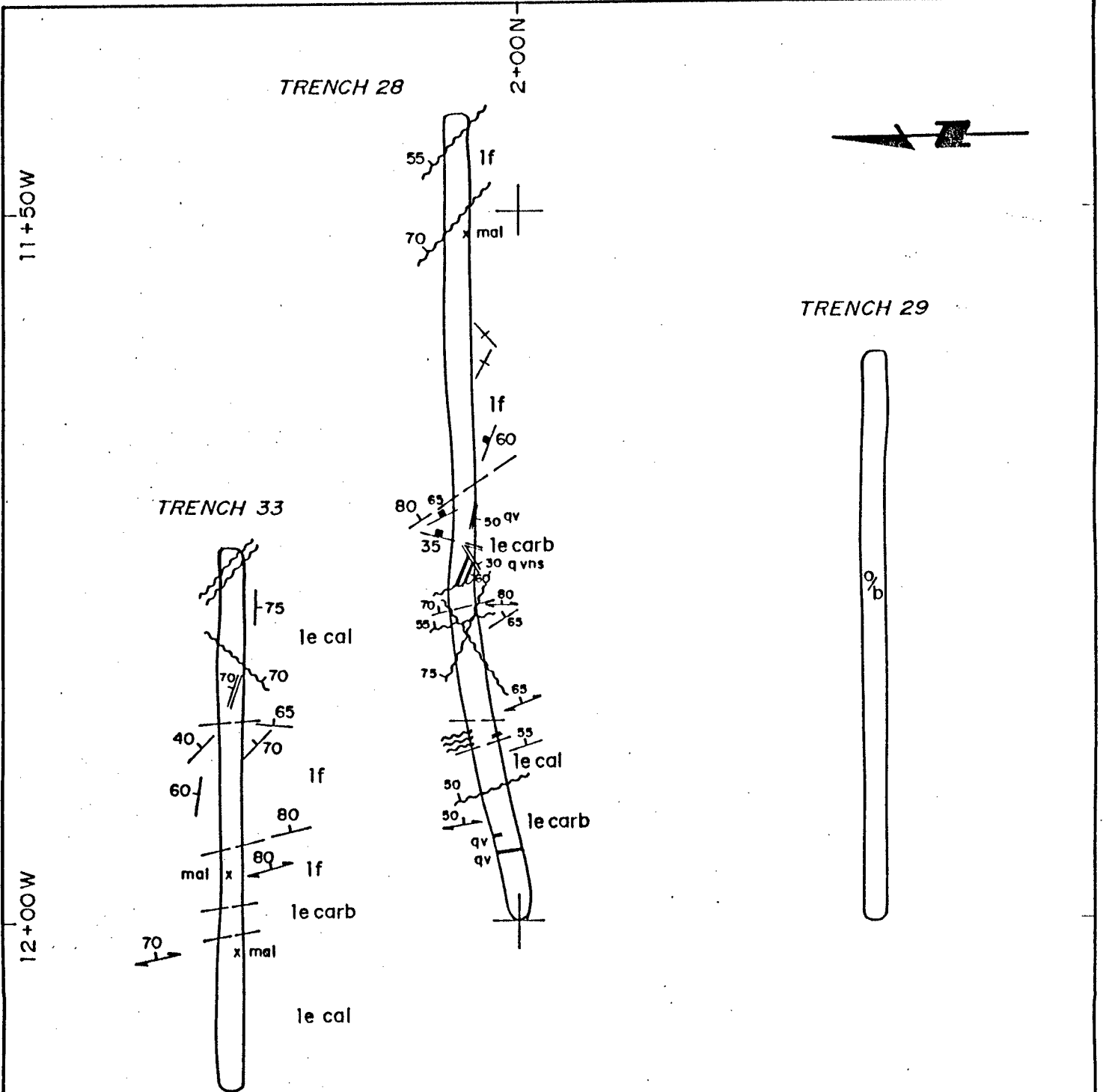
- 1.6 The **Main Zone** is the most extensive and strongest of the zones so far explored. Drilling and trenching show that alteration, development of quartz veins, and gold content are strongest in the area between 3+00S and 4+00S immediately east of the 8+00W base line. To the north there is a transition to unaltered, barren purple tuffs. (Drill holes #8 and #10, Figs. 13, 16 and 17.) The zone is open down dip to the east, and is untested at depth to the south.

All the current series of Main Zone holes have intersected zones of gold enrichment ranging from a few hundred ppb to 4,600 ppb (0.134 opt) in hole #11.

Gold mineralisation occurs in vein clusters and stockworks ranging from 2 to 24 metres in thickness. Because of the steepness of the veins ( $50^{\circ}$  -  $70^{\circ}$ ) there is little or no correlation of individual shoots from hole to hole; the strongest concentration of gold has been encountered by drill holes #11, #12 and #14 of the current series. The range of widths and gold contents are shown by the averaged assay intervals attached to the drill hole logs in Appendix 1 and by the cross and longitudinal drill hole assay sections (Figs. 11a - 15a).

The prime target for further drilling on the Main Zone is the eastward, down dip extension of the altered tuffs and vein stockwork.

- 1.7 Mineralisation in the **East Zone** occurs within a series of narrow shear controlled alteration zones. The style and nature of mineralised zones is similar to that of the Main Zone but the faults and shears are less intense and the development of alteration and quartz veins is correspondingly confined. However, several larger (1 metre) quartz veins have been exposed by trenching, notably in trenches 38-40, (Figs. 7, 7a) and trench 19 (Figs. 8, 8a). The vein in trench 19, strikes just south of east and dips



LARAMIDE RESOURCES LTD.				
SADIM 3 & 4 CLAIMS, B.C.				
SADIM 3				
TRENCHES 28, 29, 33				
GEOLOGY				
SCALE	DATE	BY	N.T.S.	FIG. N <sup>o</sup>
1:400	Jan. 1988	dip IMW	92H/ 10E	9
Scale 8 0 8 16 metres				
I.M. WATSON & ASSOCIATES LTD.				

11+50W

12+00W

TRENCH 28

	Au	Ag	Pb	Cu
2348	20	.3	9	75
2347	151	1.0	6	120
2346	11	.4	2	40
2345	29	.5	2	106
2344	8	.9	7	106
2343	9	.7	2	108
2342	4	.1	2	68
2341	1	.1	2	154
2340	9	.2	9	141
2339	26	.2	7	71
2338	2	.4	7	53
2337	4	.2	5	81
2336	5	.2	2	82
2335	9	.1	2	102
2334	12	.6	3	87
2333	220	11	10	85
2332	729	48	5	124
2331	605	2.4	11	124
2330	7	.1	6	153
2329	1	.5	6	108
2328	1	.3	6	51
2327	9	.3	8	58
2326	132	.1	6	61
2325	20	.3	8	11
2324	14	.5	9	78
2323	125	.6	9	30
2322	130	.9	9	128
2321	142	.4	4	45
2320	18	.1	4	77

NOON



TRENCH 29



TRENCH 33

	Au	Ag	Pb	Cu
2451	102	.7	4	99
2450	220	1.3	2	114
2449	9	.2	2	80
2448	28	.1	7	114
2447	16	.1	5	130
2446	12	.4	7	106
2445	26	.3	2	77
2444	5	.3	2	108
2443	7	.3	7	53
2442	5	.4	2	80
2441	8	.3	2	44
2440	6	.1	3	85
2439	6	.3	2	102
2438	9	.4	2	203
2437	9	.3	6	33
2436	11	.4	2	14



LARAMIDE RESOURCES LTD.				
SADIM 3 & 4 CLAIMS, B.C.				
SADIM 3				
TRENCHES 28, 29, 33				
GEOCHEMISTRY - ROCK SAMPLING				
SCALE	DATE	BY	N.T.S.	FIG. N <sup>o</sup>
1:400	Jan. 1988	dip IMW	92H/ 10E	9a
Scale 8  16 metres				
I.M. WATSON & ASSOCIATES LTD.				

steeply south. A 1.0 m. chip sample across the vein assayed 151,100 ppb Au and 410.9 ppm Ag (4.41 opt Au and 12.0 opt Ag). The vein was intersected by vertical drill hole #13 at a depth of 26.5 metres. The 2.0 m. intersection assayed 2,265 ppb Au and 20.6 ppm Ag. An attempt to intersect the vein along strike 30 metres to the east was unsuccessful (Hole #15).

Further work is required to fully evaluate the several narrow but significantly mineralised zones in this area.

- 1.8 Trenching of the **North Zone** exposed an irregular north-westerly trending shear/alteration zone (Figs. 9, 9a). Steep terrain to the north and east and deep overburden to the south prevented further investigation by trenching. Gold contents of several hundred ppb are associated with fracture/quartz vein zones up to 6 metres wide.

## 2. Reconnaissance Rock Sampling

Results of the sampling programme are shown on Figs. 20a, 20b.

No gold or silver anomalies of significance were found. Highest analyses of 87 and 54 ppb Au were obtained from samples of propylitically altered volcanics containing local fracture controlled copper mineralisation (Samples #5018, #5920). These samples, taken from outcrops in the north-eastern corner of the SADIM 2 claim, and close to the eastern boundary of SADIM 1, are anomalous in copper and lead (#5018 - 501 ppm Cu).

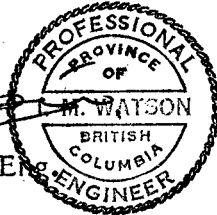
Low copper analyses, in the 150 - 350 ppm Cu range, were also obtained from widely separated sample sites on the SADIM 1, 2 and 6 claims. In each case, the outcrops are weakly propylitised volcanics, some containing minor malachite mineralisation.

Stream sampling of Mystery Creek (SADIM 1 claim) was prompted by a weak gold anomaly obtained during earlier sampling; panned concentrates and limited



soil sampling resulted in only five weakly elevated gold contents from widely separated panned concentrate samples (15 - 39 ppb Au).

I.M. WATSON & ASSOCIATES LTD.

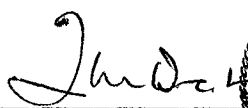
*I.M. Watson*  
I.M. Watson, P.Eng.  
A circular professional seal for I.M. Watson, P.Eng. The seal contains the text: "PROFESSIONAL ENGINEER" around the perimeter, "PROVINCE OF" at the top, "I.M. WATSON" in the center, and "BRITISH COLUMBIA" at the bottom.

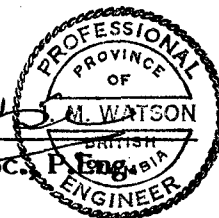
CERTIFICATE OF QUALIFICATIONS

I, Ivor Moir Watson, of 584 East Braemar Road, North Vancouver, British Columbia, hereby certify that:

1. I am a consulting geologist with offices at 816 - 675 West Hastings Street, Vancouver, B.C.
2. I am a graduate of the University of St. Andrews, Scotland (B.Sc. Geology 1955).
3. I have practised my profession continuously since graduation.
4. I am a member in good standing of the Association of Professional Engineers of B.C., and a Fellow of the Geological Association of Canada.
5. Work on the SADIM Property was carried out between May 11 and October 9, 1987 by the following personnel during the periods noted:
  - I. M. Watson - Supervisor
  - J. Buchholz - Project Geologist
  - S. Angus - Prospector (June 24 - July 11, 1987)
  - C. Ashbury - Field Assistant (June 25 - September 26, 1987)
  - J. Ashenburst - Technician (May 11 - July 10, 1987)
  - T. Buchholz - Field Assistant (September 2 - 12, 1987)
  - K. Christensen - Prospector (July 24 - August 17, 1987)
  - D. England - Field Assistant (June 17 - August 28, 1987)
  - R. England - Cook (June 17 - September 30, 1987)
  - L. Kiss - Prospector (August 29 - October 9, 1987)
  - J. Randa - Prospector (May 11 - August 26, 1987)
  - D. Whalen - Prospector (June 16 - August 15, and August 27 - September 12, 1987)

January 2, 1988  
Vancouver, B.C.

  
I.M. Watson, B.Sc.



## REFERENCES

- Barr, D.A., Fox, P.E., Northcote, K.E., and Preto, V.A., 1976.** The Alkaline Porphyry Deposits - A Summary; in CIM Special Vol. No. 15.
- Harris, J.F., 1987.** Petrographic Study of Samples from the SADIM Property (Private Report for Laramide Resources Ltd.)
- Preto, V.A., 1975.** Notes to Accompany Preliminary Map No. 17. Geology of the Allison Lake - Missezula Lake Area. B.C. MEMPR.
- 1979.** Geology of the Nicola Group between Merritt and Princeton, Bull. 69, B.C. MEMPR.
- Watson, I.M., 1985.** Reconnaissance Geological and Geochemical Surveys of the SADIM Group, for Laramide Resources Ltd.
- 1987.** Trenching, Geological Mapping and Sampling, and Diamond Drilling Programmes on the SADIM Property, for Laramide Resources Ltd.)

### Assessment Reports

- #517 - 1963 Report on the K.R. Group of Plateau Metals Ltd. by Asarco Smelting & Refining Co. (Geology, magnetometer survey.)
- #985 - 1967 Geochemical report on the K.R. Group by C. Lammle for Adera Mining Ltd.
- #3363 - 1971 Geological, Geochemical and Geophysical Report on the Ketchan Creek property by J. Christofferson, G. DePaoli, and C. Hodgson for Amax Exploration Inc.
- #5044 - 1973 Geological and Prospecting Reports on the Cindy Group by D.C. Malcolm and E. Sleeman.
- #6036 - 1976 Geochemical Report on Rum Claim Group by D.G. Mark for Ruskin Developments Ltd.
- #8352 - 1980 Ground Magnetic and Soil Geochemical Survey over part of the Rum Property, by D.T. Mehner for Cominco Ltd.
- #9407 - 1981 Soil Geochemical Survey over part of the Rum Property, by D.T. Mehner for Cominco Ltd.

STATEMENT OF COSTS - SADIM CLAIMS

a) Diamond Drilling Programme June 19-28; August 1 - September 26, 1987.

**Salaries**

I. M. Watson (Consulting Geologist) (June 21; 29; July 8; August 11-15; Sept. 12-19; 21-22; 26-27) 19.5 days @ \$375.00/day	7,312.50	
J. Buchholz (Project Geologist) (June 19-20; 22-28; Aug. 5-10; 16-29; Sept. 2-4; 7-9) 34.5 days @ \$280.00/day	9,660.00	
D. England (Core Splitter) (July 9-11; Aug. 3-4; 7-8; 19-20; 23-28) 14.5 days @ \$105.00/day	1,522.50	
R. England (Cook) (June 19-20; 22-28; Aug. 1-11; 15-17; 24; 26; 29) 26.5 days @ \$55.00/day	1,457.50	
L. Kiss (Assistant) (Sept. 14-15; 17; 22; 26; 27) 6.0 days @ \$180.00/day	1,080.00	
C. Ashbury (Core Splitter) (Sept. 14, 15, 22) 3.0 days @ \$85.00/day	<u>255.00</u>	21,287.50

**Accommodation & Board\***

103.5 mandays @ \$35.00/manday 3,622.50

**Vehicle Rental\***

Toyota L/C 4x4 GMC Suburban 4x4  
58 days @ \$40.00/day 2,320.00

**Telephone/Freight\***

1,437.56

**Supplies/Equipment\***

726.75

**Geochemical Analyses**

883 Core Samples (Au (AA) +  
Ag, Pb, Cu (ICP) @ \$11.00/ea. 9,713.00

**Diamond Drilling**

P.W. Diamond Drilling Ltd. 85,769.69

**TOTAL** \$124,877.00

\* Prorated costs

b) Trench Mapping /Sampling and Reconnaissance Geochemical Rock Sampling  
(SADIM 1 - 5 claims) May 11 - October 9, 1987.

**Salaries**

I. M. Watson (Consulting Geologist) (May 19-20; 22; 24; 27-29; June 3-4; 10-12; 17-20; 22-27; July 8; 10-13; 7; 20-22; 25; 27-29; Aug. 9-10; 23; 28-29; Sept. 5; 7-10; 23; Oct. 2; 7-8) 16.0 days @ \$375.00/day	6,000.00
J. Buchholz (Project Geologist) (June 17-18; 21; 29; July 1-9; 13-26; Aug. 3-4; 11) 24.5 days @ \$280.00/day	6,860.00
S. Angus (Prospector) (June 24-26) 3 days @ \$150.00/day	450.00
C. Ashbury (Field Assistant) (June 25-27; July 1-2; 5; 11; 25-26; August 4-8; 15-17; Sept. 3-4; 9-11; 14-15; 18; 20; 22; 24; 26) 26.5 days @ \$85.00/day	2,252.50
J. Ashenhurst (Technician) (May 27-31); June 5; 11; 15-21; 25-27; July 2-10) 24.5 days @ \$135.00/day	3,240.00
T. Buchholz (Field Assistant) (Sept. 2-4; 8-9; 12) 6.0 days @ \$85.00/day	510.00
K. Christensen (Prospector) (July 24-26; Aug. 3-4; 6-7; 15-17) 10.0 days @ \$125.00/day	1,250.00
D. England (Field Assistant) (May 21; June 17-18; 20-21; 23-27; 29-30; July 24) 10.5 days @ \$95.00/day	997.50
R. England (Cook)* (May 17-18; 20-31; June 1-18; 29-30; July 1-6; 8-12; 14; 17; 19; 21-30; Sept. 2-4; 12-18; 22; 24; 26-30) 50.0 days @ \$55.00/day	2,750.00
L. Kiss (Prospector) (Aug. 29-30; Sept. 20; 24; 28; Oct. 4; 8-9) 7.5 days @ \$170.00/day	1,275.00
J. Randa (Foreman/Prospector) (May 23-31; June 1-4; 11; 14-17; 19-20; 25-27; July 11; 22-26; Aug 4-7; 15-17) 35 days @ \$200.00/day	7,000.00

**Salaries (Cont'd.)**

D. Whalen (Prospector)

(June 16-21; 23-27; July 2-4 11;  
21-26; Aug. 1-8; 15; 29; Sept. 4;  
7; 12)

28.5 days @ \$185.00/day 5,272.50 37,857.50

**Accommodation & Board\***

201 mandays @ \$35.00/day 7,035.00

**Vehicle Rental\***

Toyota L/C 4x4: 23 days @ \$40.00/day 920.00  
GMC Suburban 4x4: 46.5 days @ \$40.00/day 1,860.00  
Ford 3/4 Ton 4 x 4: 10.5 days @ \$40.00/day 420.00  
Ranger 4 x 4: 7.0 days @ \$40.00/day 280.00 3,480.00

**Radio/Telephone/Freight\*** 661.30

**Supplies/Equipment** 2,007.32

**Equipment Rental**

Chain Saw: 2 days @ \$13.25/day 26.50

**Geochemical Analyses**

\*962 Rock Samples (Au (AA) +  
Ag, Pb, Cu (ICP) @ \$11.00/ea. 10,582.00  
(\*802 trench samples  
160 'recce' rock samples)

**Reproduction/Maps** 199.46

**Drafting (D. Phillips Drafting Services)** 470.00

**TOTAL** \$ 62,319.08

\* Prorated costs

c) VLf-EM and Magnetometer Surveys (May 19 - June 7, 1987)

**Salaries**

J. Ashenhurst (Technician)  
(May 19-20; 22-23; June 6-7)  
6 days @ \$135.00/day

\$ 810.00

J. Randa (Foreman)  
(May 17-21; June 6-7)  
7 days @ \$200.00/day

1,400

2,210.00

**Accommodation/Board\***

13 mandays @ \$35.00/day

455.00

**Vehicle Rental\* (GMC Subaru 4 x 4)**

7 days @ \$40.00/day

280.00

**Equipment Rental\***

VLf-EM (Phoenix VLf-2); Magnetometer  
(MFI Fluxgate): 7 days @ \$68.00/day

480.22

**Drafting (D. Phillips Drafting Services)**

320.00

**TOTAL**

\$ 3,745.22

\* Prorated costs

d) Reconnaissance Geochemical Rock Sampling Programme - SADIM 6 Claim  
(June 6 - September 30th, 1987)

**Salaries**

I. M. Watson (Consulting Geologist) (Sept. 24; 25; 28) 3 days @ \$375.00/day	\$1,125.00	
J. Buchholz (Project Geologist) (Aug. 1-2) 1.5 days @ \$280.00/day	420.00	
K. Christensen (Prospector/Sampler) (July 28-31; Aug. 1-2; 5) 7 days @ \$125.00/day	875.00	
J. Randa (Foreman/Prospector) (June 5; July 28-Aug. 3) 7 days @ \$200.00/day	1,400.00	
D. Whalen (Prospector/Sampler) (July 31) 1 day @ \$185.00/day	<u>185.00</u>	4,005.00

**Accommodation & Board\***

17 mandays @ \$35.00/manday 595.00

**Vehicle Rental (GMC Suburban 4x4)\***

8 days @ \$40.00/day 320.00

**Radio/Telephone/Freight\***

101.17

**Supplies/Equipment**

376.25

**Geochemical Analyses**

61 Rock Samples (Au (AA) +  
Ag, Pb, Cu (ICP) @ \$11.00/ea. 671.00

**TOTAL** \$ 6,068.42

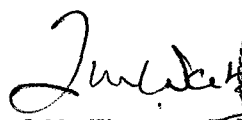
\* Prorated costs




SUMMARY

a) Diamond Drilling Programme	\$124,877.00
b) Trench Mapping (Sampling and Reconnaissance Geochemical Rock Sampling (SADIM 1 - 5 claims)	62,319.08
c) VLF-EM and Magnetometer Surveys	3,745.22
d) Reconnaissance Geochemical Rock Sampling Programme - SADIM 6 Claim	<u>6,068.42</u>
<b>TOTAL</b>	<b><u>\$197,009.72</u></b>

I.M. WATSON & ASSOCIATES LTD.

  
I.M. Watson, P. Eng.



**APPENDIX 1**  
**DIAMOND DRILL LOGS AND ASSAY AVERAGES**

I. M. WATSON & ASSOCIATES LTD

DIAMOND DRILL LOG

PROPERTY: SADIM

HOLE No.: 7

Collar Westings: 7.83

Collar Southings: 3.00

Collar Elevation: 1002.10

Collar Inclination: -90.00

Grid Bearing: 0.00

Final Depth: 89.00

Logged by: IMW

Date: JUNE 87

Down-hole Survey:

FROM	TO	LITHOLOGICAL DESCRIPTION	FROM	TO	WIDTH	ASSAYS				Sample #
						Au ppb	Ag ppm	Pb ppm	Cu ppm	
0	4.72	OVERBURDEN	2.62	4.50	1.88	2	0.5	6	167	1501
4.72	5.18	FAULT RUSTY GOUGE, FRAGS. HIGHLY ALT., BUFF/HEMATITIC TUFF, SMALL ANG. FRAGS. QTZ. SOME WITH SPECKS V.F. SULPH. (PY?)  RECOVERY 70%								
5.18	5.79	TUFF, HIGHLY ALT. WEATH., HEMATITIC BUFF - PURPLE MOTTLED, SPARSE F. PY (BROKEN)  RECOVERY 50%	4.50	5.50	1.00	225	1.4	5	44	1502
5.79	9.91	TUFF DM. GREY-GREEN-PALE PURPLE, MOTTLED, FINE GR., VAR. ALT. (BLEACHING) TIGHTLY FRACT. FRACTS. HEALED BY IRREG. NARROW QTZ. VNLTS. (45/CA @ 8.4) ALT. ZONES MAINLY ADJ. TO FAULT AND QTZ. VNS. PYRITE MAINLY IN ALT. ZONES & QTZ. VNS.  QTZ. VNS. 5.79 - 6.10 - BROKEN, INCL. ALT. TUFF. & WKLY. DISSEM. PY (50% RECOVERY) 7.04 - 7.31 - BROKEN - WKLY. DISS. PY Tr Pbs? U/LYING 10 CM. GOUGE ZONE 9.65 - 9.75 - MINOR QTZ. FRAGS. IN BROKEN PURPLE TUFF IN FRACT./GOUGE ZONE  RECOVERY 70%	5.50	6.50	1.00	520	4.0	6	71	1503
			6.50	7.50	1.00	250	1.5	5	91	1504
			7.50	8.50	1.00	29	0.5	3	69	1505
			8.50	9.50	1.00	1	0.2	3	49	1506
9.91	22.0	TUFF - ALTERED PALE BUFF, LOCALLY MOTTLED PALE PURPLE (IRREG. TRANSITIONAL CONTACTS) F. GR., F. MASS., IRREG. & FINELY DISSEM. PY REL. TO FRACTS. MINOR DK. GREEN CHL? IN THIN IRREG. BANDS SHEARS/FAULTS (GOUGE ZONES) USUALLY WITH ASSOC. QTZ. VNS. & DISSEM. SULPH. (PY +?) IN ADJ. WALLROCK AT 10.4 - 10.67 15/CA; 11.58 - 11.70; 13.25 - 13.35 60/CA; 14.26 - 14.46;	9.50	10.50	1.00	150	1.2	3	58	1507
			10.50	11.50	1.00	395	2.8	2	65	1508
			11.50	12.50	1.00	175	1.4	4	39	1509
			12.50	13.50	1.00	68	0.5	3	33	1510
			13.50	14.50	1.00	245	1.4	4	39	1511
			14.50	15.50	1.00	350	2.8	6	87	1512
			15.50	16.50	1.00	315	1.9	8	30	1513

I. M. WATSON & ASSOCIATES LTD

DIAMOND DRILL LOG

PROPERTY: SADIM  
HOLE No.: 7

Page 2

FROM	TO	LITHOLOGICAL DESCRIPTION	ASSAYS							
			FROM	TO	WIDTH	Au ppb	Ag ppm	Pb ppm	Cu ppm	Sample #
		15.72 - 16.46	16.50	17.50	1.00	62	0.5	3	85	1514
		QTZ. VNS.	17.50	18.50	1.00	1420	10.9	84	38	1515
		10.4 - 10.67 - BROKEN (IN GOUGE) + WK F. PY; 11.86 & 12.30;	18.50	19.50	1.00	295	1.9	5	21	1516
		12.40 (0.5 CMS. @ 55/CA & 60/CA RESPECTIVELY); 14.56; 14.65	19.50	20.50	1.00	360	2.1	3	40	1517
		60/CA, MINOR PY, FRACT. FINELY @ 45/CA;	20.50	21.50	1.00	495	2.8	3	28	1518
		15.70 - 16.46 - SCATTERED QTZ. FRAGS. IN GOUGE + WELY. DISSEM. PY;								
		17.80 - 18.30 - P. DISSEM. PY, AS IRREG. DISTRIB. SMALL XTAL CLUSTERS, + V.F. Pbs, AS ISOLATED WISPS IN HAIRLINE FRACTS.;								
		18.8 - 18.9 - IRREG., STRINGERS, SPARSE PY 55/CA;								
		20.3 - 20.5 - 55/CA;								
		21.0 - 21.8 - IRREG. LOWER 5 CM. WITH NUMEROUS NARROW QTZ. VNLTs. DOM. @ 55/CA (0.25 CMS.)								
		PYRITE								
		IRREG. DISSEM. THROUGHOUT, CONC. ADJ. TO QTZ. VNS./FRACTS. - UP TO 5-10% @ 10.21 - 10.5; 11.4 - 11.58; 11.6 - 12.5;								
		14.75 - 16.0; & 17.5 - 22.0.								
		RECOVERY 90% +								
22.0	30.94	TUFF	21.50	22.50	1.00	120	0.8	2	128	1519
		DOM. PALE PURPLE GREY, CONTAINING NARROW (0.5 M.) IRREG.	22.50	23.50	1.00	3	0.1	2	31	1520
		BUFF ALT. ZONES. NUMEROUS IRREG. NARROW QTZ. HEALED FRACTS.,	23.50	24.50	1.00	1	0.1	2	31	1521
		CREAMY BARREN, VAR. ATTITUDES/CA - RARE 'GLASSY' QTZ. VNLTs. IN ZONES OF ALT. WITH ADJ. PY ZONES.	24.50	25.50	1.00	40	0.3	4	64	1522
			25.50	26.50	1.00	1	0.1	3	34	1523
		ALT. ZONES	26.50	27.50	1.00	32	0.3	2	20	1524
		22.4 - 22.7 (SPARSE F. PY & IN QTZ. VNLT. @ 65/CA);	27.50	28.50	1.00	1	0.1	3	28	1525
		24.67 - 25.05 (APPROX. 5% PATCHILY DISSEM. F. PY IN LOWER 0.2 M.);	28.50	29.50	1.00	250	1.4	3	249	1526
		26.8 - 27.0 (APPROX. 5% PY ADJ. TO IRREG. VNLT. @ 60/CA);	29.50	30.50	1.00	2	0.1	3	14	1527
		28.5 - 29.0 (10% V.F. PY OVERLYING 0.1 M. GOUGE/FRACT. ZONE. 1 CM. QTZ. VN. @ 65/CA 28.7)								
		26.45 - 26.50 - IRREG. ZONE, SCHISTOSE DIORITIC? COMP.								
		29.0 - 30.94 - 1.0 M. OF CORE LOST								
		RECOVERY 90%								
30.94	47.0	TUFF	30.50	31.50	1.00	1	0.1	3	15	1528
		SIMILAR TO ABOVE, BUT MORE Pervasively ALT. - DOM. PALE BUFF,	31.50	32.50	1.00	46	0.4	3	42	1529



## I. M. WATSON &amp; ASSOCIATES LTD

## DIAMOND DRILL LOG

PROPERTY: SADIM  
HOLE No.: 7

Page 4

FROM	TO	LITHOLOGICAL DESCRIPTION	FROM	TO	WIDTH	ASSAYS				Sample #
						Au ppb	Ag ppm	Pb ppm	Cu ppm	
53.5	54.75	FAULT ZONE PALE GREY GOUGE CONTAINING ABUND. SMALL ANG. FRAGS. VN. QTZ. & GREY ALT. TUFF? RECOVERY 65%	53.50	54.50	1.00	585	5.2	9	91	1551
54.75	55.47	NO RECOVERY								
55.47	55.75	QTZ. VN. & GOUGE PALE GREY & BLACK, CALC. TR. PY?, BROKEN RECOVERY 90%	54.50	55.50	1.00	0	0.0	0	0	1552
55.75	57.25	LIMESTONE - BLACK, GRAPHITIC SOFT, WITH INTERC. DK. GREY HARDER BAND. ALL HIGHLY SHEARED, BROKEN. NO VIS. SULPH. RECOVERY 90%	55.50	56.50	1.00	190	3.2	46	105	1553
57.25	58.0	TUFF PALE BUFF/GREY, HIGHLY ALT., LOWER 0.27 M. MOD. PYRITISED RECOVERY 98%	56.50	57.50	1.00	215	2.5	63	73	1554
58.0	61.87	LIMESTONE - PALE & DK. GREY INTENSELY DEFORMED - SHATTERED, ELONG. CLASTS - GEN. CHAOTIC TEXTURE - DK. IRREG. SUTURES, (STYLOLITES) CRUDE FOLTN. DEV. # 60.4 60/CA 61.1 - 1 CM. GOUGE LINED SLIP @ 55/CA 61.5 - 61.87 - HIGHLY SHEARED, FRACT. - SLIPS @ APPROX. 45/CA RECOVERY 95%	57.50	58.50	1.00	440	2.8	15	64	1555
			58.50	59.50	1.00	36	0.7	24	18	1556
			59.50	60.50	1.00	120	2.1	15	68	1557
			60.50	61.50	1.00	290	1.4	10	65	1558
61.87	62.07	FAULT PALE GREY GOUGE CONTAINING SMALL. ANG. ALT. TUFF (PALE BUFF) FRAGS. CONTACT @ 40/CA								
62.07	73.40	CALCAREOUS GRIT/BX HIGHLY VAR. IN COLOUR & TEXTURE	61.50	62.50	1.00	325	1.3	22	38	1559
			62.50	63.50	1.00	11	0.2	7	35	1560

I. M. WATSON & ASSOCIATES LTD

DIAMOND DRILL LOG

PROPERTY: SADIM  
HOLE No.: 7

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FROM	TO	LITHOLOGICAL DESCRIPTION	FROM	TO	WIDTH	ASSAYS				Sample #
						Au ppb	Ag ppm	Pb ppm	Cu ppm	
		PALE SALMON PINK TO BUFF (IN ALT. ZONES ADJ. TO FRACTS/FAULTS)	63.50	64.50	1.00	15	0.2	8	35	1561
		TO DON. DK. PURPLE DOWN HOLE. BX. FRAGS. ANGULAR - SUB ROUNDED	64.50	65.50	1.00	6	0.2	7	17	1562
		- PURPLE, RED, BROWN, FEW MMS. TO 1 CM.+ - INTERSTITIAL PALE	65.50	66.50	1.00	122	1.1	8	103	1563
		CARB. HIGHLY FRACT. SHATTERED. CARB. HEALED., DON. DIR. APPROX.	66.50	67.50	1.00	16	0.1	8	37	1564
		PARALLEL TO CRUDE BEDDING/BANDING @ 40-50/CA.	67.50	68.50	1.00	210	1.3	29	30	1565
		PYRITE, IRREG. & FINELY DISSEM. AS V. F. STREAKS & ALONG F.	68.50	69.50	1.00	4	0.2	7	30	1566
		VNLTS., GEN. @ 40/CA, @ SMALL ANGLE TO BEDS/BANDING	69.50	70.50	1.00	8	0.1	5	35	1567
		65.5 - 71.0 - LOST CORE (APPROX. 92% RECOVERY)	70.50	71.50	1.00	3	0.3	5	45	1568
		70.87 - 71.0 - BROKEN CORE, GOUGE (FAULT ZONE)	71.50	72.50	1.00	2	3.1	7	57	1569
		RECOVERY 95%								
73.40		FAULT/SLIP GOUGE LINED 65/CA								
73.40	74.0	LIMESTONE - DK. GREY BLACK GRAPH., HIGHLY HEARD FRACT. SIM. TO SECTION ABOVE (POSS. FAULTED REPETITION OF SEQUENCE?) LOWER CONTACT SHARP @ 48/CA	72.50	73.50	1.00	7	0.1	10	56	1570
74.0	76.0	LIMESTONE, GREY DK. GREY, FRACT., SHEARED (SIM. TO SECTION 58.0 - 61.87 ABOVE) & BI'D. LOCALLY HIGHLY DISTORTED V. F. BANDING/BEDDING - SCATTERED IRREG. CARB. VNLTS. & SEGS. RECOVERY 90%	73.50 74.50	74.50 75.50	1.00 1.00	1 1	0.2 0.2	11 5	36 12	1571 1572
76.0	77.66	LIMESTONE - BLACK-GREY INTENSELY SHEARED/FRACT. LR. CONTACT ALONG SHEAR @ 65/CA RECOVERY 90%	75.50 76.50	76.50 77.50	1.00 1.00	4 21	0.1 0.1	16 106	11 45	1573 1574
77.66	77.86	FAULT INTENSELY SHEARED/FRACT. PALE BUFF TUFF/GOUGE 65/CA FOLTHS. RECOVERY 100%								
77.86	80.12	ALTERATION ZONE PALE BUFF V. F. GR. TUFF? - WKLY. SCHISTOSE, ELONG. STREAKS CARB. CRUDE F. BANDING EXT. F. CHERTY PARTINGS - OCC. ELONG. WISPS & STREAKS BANDS @ 5/CA. CORE BROKEN/FRACT. RECOVERY 90-95%	77.50 78.50	78.50 79.50	1.00 1.00	6 13	0.3 0.2	112 3	85 200	1575 1576

I. M. WATSON & ASSOCIATES LTD

DIAMOND DRILL LOG

PROPERTY: SADIM  
HOLE No.: 7

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FROM	TO	LITHOLOGICAL DESCRIPTION	FROM	TO	WIDTH	ASSAYS				Sample #
						Au ppb	Ag ppm	Pb ppm	Cu ppm	
80.12	81.23	NYLONITE? BANDED QTZ. SERICITE ROCK - FINELY DISSEM. PY IN SERICITIC 'BANDS'. POSS. UP TO 5% V. F. PY. IN IRREG. PATCHES & BANDS OF SERICITIC MATERIAL. RECOVERY 95%	79.50	80.50	1.00	55	0.3	7	72	1577
81.23	84.5	ALTERATION ZONE SERICITE - CHL. SCH? - SIM. TO SECTION (77.86 - 80.12) ABOVE - BECOMING FAINTLY GREEN DOWN HOLE RECOVERY 85%	80.50	81.50	1.00	88	0.5	6	15	1578
			81.50	82.50	1.00	4	0.1	4	47	1579
			82.50	83.50	1.00	6	0.3	4	165	1580
			83.50	84.50	1.00	2	0.1	5	150	1581
84.5	89.0	ANDESITIC TUFF MED.-DK. GREEN, V. F. GR. FINELY BANDED APPROX. 40/CA, FAIRLY MASS. LOCALLY FINELY FRACT., WKLY 'BLEACHED'. SLIPS 30-45/CA, CHLORITIC. RECOVERY 95%	84.50	85.50	1.00	2	0.1	5	131	1582
			85.50	86.50	1.00	1	0.2	4	146	1583
			86.50	87.50	1.00	2	0.2	2	112	1584
			87.50	89.00	1.50	1	0.1	14	120	1585

END OF HOLE  
CORE RECOVERY APPROX. 95%  
CASING PULLED



=====

1. 7.1 (11.00 d.t. Core Angle: 90 11.00 t.t.)

FROM:	10.50	-----	WESTINGS:	7.83
			SOUTHINGS:	3.00
			ELEVATION:	991.60
	380.000	Au ppb		
	2.636	Ag ppm		
	11.364	Pb ppm		
	45.909	Cu ppm		

TO:	21.50	-----	WESTINGS:	7.83
			SOUTHINGS:	3.00
			ELEVATION:	980.60

2. 7.2 ( 2.00 d.t. Core Angle: 90 2.00 t.t.)

FROM:	17.50	-----	WESTINGS:	7.83
			SOUTHINGS:	3.00
			ELEVATION:	984.60
	857.500	Au ppb		
	6.400	Ag ppm		
	44.500	Pb ppm		
	29.500	Cu ppm		

TO:	19.50	-----	WESTINGS:	7.83
			SOUTHINGS:	3.00
			ELEVATION:	982.60

3. 7.3 (10.00 d.t. Core Angle: 90 10.00 t.t.)

FROM:	52.50	-----	WESTINGS:	7.83
			SOUTHINGS:	3.00
			ELEVATION:	949.60
	257.100	Au ppb		
	2.140	Ag ppm		
	21.000	Pb ppm		
	57.600	Cu ppm		

TO:	62.50	-----	WESTINGS:	7.83
			SOUTHINGS:	3.00
			ELEVATION:	939.60

I. M. WATSON & ASSOCIATES LTD

DIAMOND DRILL LOG

PROPERTY: SADIM

HOLE No.: 8

Collar Westings: 7.67

Collar Southings: 2.75

Collar Elevation: 1009.40

Collar Inclination: -90.00

Grid Bearing: 0.00

Final Depth: 98.45

Logged by: IMW

Date: June 1987

Down-hole Survey:

FROM	TO	LITHOLOGICAL DESCRIPTION	FROM	TO	WIDTH	ASSAYS				Sample #
						Au ppb	Ag ppb	Pb ppb	Cu ppb	
0	3.35	OVERBURDEN								
3.35	30.78	CALCAREOUS ANDESITIC BX & TUFF VARIABLE SEQUENCE OF CALCAREOUS PURPLE GRITS & BX'S. INTER- CALATED WITH DARK GREEN F. GR. TUFFS. UPPER 7 M. RUSTY WEATHERED ZONE. ABUND. F. QTZ./CARB. HEALED FRACTS., NO OBVIOUS PREFERRED ORIENTATION, RANGE FROM APPROX. 70/CA TO 5/CA. IRREG. - SPACED APPROX. EVERY 5 CM. 3.6 - BEDS @ 40/CA. 6.2 - 6.3 - 3 CM. BLEACHED ZONES FRINGING PYRITISED QTZ. VNLTs. (3) @ 65/CA 5.04 - 5.18 - RUSTY GOUGE ZONE 9.6 - F. EPIDOTE FRINGING CARB. VN. APPROX. 15/CA 20.27 - 20.57 - GROUND CORE 50% RECOVERY 20.57 - 20.88 - BROKEN CORE 70% RECOVERY 21.03 - 21.04 - BROKEN CORE 30% RECOVERY 21.95 - 22.3 - CARB. HEALED FRACTS. - DOM. FRACT. DIR. APPROX. 25/CA 24.3 - 24.4 - SHEAR ZONE, LR. CONTACT PARALLEL TO CRUDE LAYERING IN U/LYING CALC. GRIT, BLEACHED ABOVE AND BELOW - CONTACT AND BANDS @ 45/CA 24.9 - 25.4 - CALC. GRIT/CONG. CRUDELY LAYERED 35/CA FRAGS. UP TO 2 CMS. PURPLE, RED, OFF-WHITE, SUB-ANGULAR TO POORLY ROUNDED 25.9 - F. BEDDED CALC. 'WACKE' APPROX. 40/CA 26.0 - 26.3 - GRIT BAND, AS ABOVE, DOM. ELONG. PALE CALC. CLASTS? 'BEDS' @ 45/CA LOWER 0.5 M. OF SECTION BECOMING PROGRESSIVELY BLEACHED, ALTERED (SER., CARB.?), WK. CHL.? ALONG SLIPS @ 35/CA	3.35	4.00	0.65	1	0.4	11	46	1586
			4.00	5.00	1.00	1	0.1	3	79	1587
			5.00	6.00	1.00	1	0.3	5	102	1588
			6.00	7.00	1.00	76	1.1	10	76	1589
			7.00	8.00	1.00	5	0.1	2	168	1590
			8.00	9.00	1.00	3	0.1	2	69	1591
			9.00	10.00	1.00	1	0.1	13	71	1592
			10.00	11.00	1.00	1	0.1	5	45	1593
			11.00	12.00	1.00	1	0.3	2	76	1594
			12.00	13.00	1.00	1	0.1	11	58	1595
			13.00	14.00	1.00	1	0.1	5	62	1596
			14.00	15.00	1.00	1	0.1	2	70	1597
			15.00	16.00	1.00	1	0.2	2	86	1598
			16.00	17.00	1.00	2	0.1	5	77	1599
			17.00	18.00	1.00	1	0.2	5	95	1600
			18.00	19.00	1.00	1	0.1	4	72	1601
			19.00	20.00	1.00	1	0.1	6	29	1602
			20.00	21.00	1.00	1	0.1	6	19	1603
			21.00	22.00	1.00	1	0.3	7	24	1604
			22.00	23.00	1.00	2	0.1	5	27	1605
			23.00	24.00	1.00	3	0.1	4	39	1606
			24.00	25.00	1.00	3	0.1	5	85	1607
			25.00	26.00	1.00	1	0.2	4	61	1608
			26.00	27.00	1.00	1	0.1	4	34	1609
			27.00	28.00	1.00	1	0.1	8	6	1610
			28.00	29.00	1.00	1	0.1	8	8	1611
			29.00	30.00	1.00	1	0.1	5	6	1612
		RECOVERY 90%								
30.78	33.07	ALTERATION ZONE 30.85 - 30.91 - PALE GREY/BUFF GOUGE CONTAINING ANG. QTZ. FRAGS. MINOR PY. AS SMALL XTALS. CONTACT APPROX. 65/CA. 30.91 - 31.55 - QTZ. VN., BROKEN, CONTAINING SMALL CLUSTERS V.F. SULPHIDE XTALS., PY, POSS Pbs?? (APPROX. 2% COMBINED) 31.55 - 31.63 - GOUGE & QTZ. FRAGS. 31.63 - 32.5 - PALE GREEN, 'STRIPED', CHL. SER. CARB. SCHIST - FOLTH. 30/CA, ALTERATION DECREASING DOWN HOLE; WKLY.,	30.00	31.00	1.00	1	0.1	10	4	1613
			31.00	32.00	1.00	660	4.1	54	28	1614
			32.00	33.00	1.00	13	0.1	15	24	1615





I. M. WATSON & ASSOCIATES LTD

DIAMOND DRILL LOG

PROPERTY: SADIM  
HOLE No.: 8

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FROM	TO	LITHOLOGICAL DESCRIPTION	FROM	TO	WIDTH	ASSAYS				Sample #
						Au ppb	Ag ppm	Pb ppm	Cu ppm	
75.13	75.43	FAULT GOUGE & CRUSHED PURPLE GREY TUFF INCL. 4 CMS. GROUND QTZ. VN. @ HW CONTACT  RECOVERY 97%								
75.43	91.6	ANDESITIC BRECCIA/TUFF DARK PURPLE GREY - PROB. FRAGMENTAL. IRREG./AMORPHOUS CLASTS AND PATCHES IN FINER GRAINED GRNDMASS. INTENSELY & FINELY FRACT. THROUGHOUT - NUMEROUS CARB. HEALED VNLTs. & HAIR FRACTS. CONTAINS FAIRLY BROAD ZONES (APPROX. 1 M.) OF HIGHLY ALTERED TUFF, CONTAINING FINE FELs. XTAL. FRAGS. RESEMBLES 'HOST ROCK' BUT SL. DARKER BUFF.  ALTERATION ZONES WKLY. PYRITISED ASSOC'T'D. WITH NARROW QTZ./CARB. VNLTs. @ 77.5 - 79.0 - PYRITE WKLY. & ERRATICALLY DISSEM. ONLY OVER LOWER 0.9 M. OF ZONE (ccp NOTED IN XTAL CLUSTER @ 78.95 M.) 84.28 - 86.5 - V. SPARSELY PYRITISED (ISOLATED SMALL XTALS) EXCEPT @ 84.8 - 85.3 (APPROX. 5% DISSEM.) 6 CM. QTZ. VN. @ 85.0 @ 35/CA - MINOR ccp & Pbs 86.5 - 88.7 - PATCHY PY  QTZ. VNS. @ 85.0 - 6CMS. @ 35/CA; 86.5 - 86.8 PY; 88.0 - .3 CMS. @ 65/CA  RECOVERY 92%	75.00	76.00	1.00	1	0.1	6	13	1658
			76.00	77.00	1.00	1	0.1	7	22	1659
			77.00	78.00	1.00	3	0.1	4	13	1660
			78.00	79.00	1.00	175	0.9	3	173	1661
			79.00	80.00	1.00	1	0.1	5	10	1662
			80.00	81.00	1.00	1	0.1	5	14	1663
			81.00	82.00	1.00	1	0.1	2	8	1664
			82.00	83.00	1.00	2	0.1	3	10	1665
			83.00	84.00	1.00	4	0.1	4	9	1666
			84.00	85.00	1.00	1060	6.2	7	68	1667
			85.00	86.00	1.00	75	0.4	6	70	1668
			86.00	87.00	1.00	1	0.1	6	3	1669
			87.00	88.00	1.00	10	0.1	3	35	1670
			88.00	89.00	1.00	1	0.1	3	41	1671
			89.00	90.00	1.00	1	0.1	4	15	1672
			90.00	91.00	1.00	3	0.1	8	4	1673
91.6	93.4	ALTERATION ZONE PALE BUFF, F.-MED. GR., SMALL FELs FRAGS./XTALS IN SERICITISED/ CARBONATISED GRNDMASS. NUMEROUS QTZ. & QTZ. CARB. VNLTs./ SEGS.  PYRITE THROUGHOUT (APPROX. 2%) MOST ABUND (UP TO 5%) ADJ. TO STRONGER FRACTS. & VNS.  QTZ. VNS. + PY 91.72 - 92.0 - SMALL VNLTs./SEGS. (BX/GOUGE APPROX. 3 CMS. @ 91.70 35/CA; 92.40 - 92.42; 92.96 - 93.20 (PY SLICKS ACROSS SLIPS)	91.00	92.00	1.00	55	0.1	7	100	1674
			92.00	93.00	1.00	245	1.0	2	29	1675



=====

1. 8.1 ( 3.00 d.t. Core Angle: 90 3.00 t.t.)

FROM:	44.00 -----	WESTINGS:	7.67
		SOUTHINGS:	2.75
		ELEVATION:	965.40
	2193.333 Au ppb		
	15.533 Ag ppm		
	688.000 Pb ppm		
	349.667 Cu ppm		

TO:	47.00 -----	WESTINGS:	7.67
		SOUTHINGS:	2.75
		ELEVATION:	962.40

2. 8.2 ( 2.00 d.t. Core Angle: 90 2.00 t.t.)

FROM:	52.00 -----	WESTINGS:	7.67
		SOUTHINGS:	2.75
		ELEVATION:	957.40
	636.000 Au ppb		
	4.150 Ag ppm		
	9.000 Pb ppm		
	46.500 Cu ppm		

TO:	54.00 -----	WESTINGS:	7.67
		SOUTHINGS:	2.75
		ELEVATION:	955.40

3. 8.3 ( 3.00 d.t. Core Angle: 90 3.00 t.t.)

FROM:	53.00 -----	WESTINGS:	7.67
		SOUTHINGS:	2.75
		ELEVATION:	956.40
	503.667 Au ppb		
	3.300 Ag ppm		
	8.000 Pb ppm		
	58.000 Cu ppm		

TO:	56.00 -----	WESTINGS:	7.67
		SOUTHINGS:	2.75
		ELEVATION:	953.40

AVERAGED ASSAY INTERVALS  
PROPERTY: SADIM  
HOLE No: 8

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4. 8.4 ( 2.00 d.t. Core Angle: 90 2.00 t.t.)

FROM:	84.00 -----	WESTINGS:	7.67
		SOUTHINGS:	2.75
		ELEVATION:	925.40
	567.500 Au ppb		
	3.300 Ag ppm		
	6.500 Pb ppm		
	69.000 Cu ppm		

TO:	86.00 -----	WESTINGS:	7.67
		SOUTHINGS:	2.75
		ELEVATION:	923.40

5. 8.5 ( 5.00 d.t. Core Angle: 90 5.00 t.t.)

FROM:	92.00 -----	WESTINGS:	7.67
		SOUTHINGS:	2.75
		ELEVATION:	917.40
	343.000 Au ppb		
	2.480 Ag ppm		
	12.800 Pb ppm		
	43.000 Cu ppm		

TO:	97.00 -----	WESTINGS:	7.67
		SOUTHINGS:	2.75
		ELEVATION:	912.40



I. M. WATSON & ASSOCIATES LTD

DIAMOND DRILL LOG

PROPERTY: SADIM

HOLE No.: 9

Collar Westings: 7.67

Collar Southings: 2.95

Collar Elevation: 1002.10

Collar Inclination: -90.00

Grid Bearing: 0.00

Final Depth: 112.78

Logged by: IMW

Date: Aug 87

Down-hole Survey:

FROM	TO	LITHOLOGICAL DESCRIPTION	FROM	TO	WIDTH	ASSAYS				Sample
						AU ppb	Ag ppb	Pb ppm	Cu ppm	
0	2.4	OVERBURDEN								
2.4	20.2	TUFF/BX	2.40	4.00	1.60	1	0.3	11	61	1701
		DOM. MAROON, GREY GREEN, HIGHLY VARIABLE. CLOSELY INTER-	4.00	5.00	1.00	63	0.6	11	60	1702
		CALATED BANDS OF FINE TUFF, LAPILLI TUFF & FINE BX. TUFF	5.00	6.00	1.00	4	0.3	15	31	1703
		& BX'S POLYLITHIC - MAROON, PINK, GREY, GREEN & WHITE (LST.)	6.00	7.00	1.00	6	0.3	9	37	1704
		BX. FRAGS. TO 2 CMS. UPPER 5 M. RUST STAINED ALONG FRACTS.	7.00	8.00	1.00	1	0.3	7	6	1705
		MOD. & IRREG. FRACT. THROUGHOUT. FRACTS. CARB. HEALED, DOM.	8.00	9.00	1.00	12	0.3	9	82	1706
		@ 60/CA. SOME RARE & LOCAL ALTERATION (BLEACHING) AROUND	9.00	10.00	1.00	15	0.4	11	115	1707
		NARROW QTZ. VNS. SULPHIDES RARE/ABSENT	10.00	11.00	1.00	1	0.4	11	101	1708
		4.5 - 4.65 - RUSTY & BUFF ALT. ADJ. TO FRACT. @ 4.60 @	11.00	12.00	1.00	1	0.3	7	35	1709
		55/CA MINOR Mn STAIN	12.00	13.00	1.00	1	0.2	9	63	1710
		5.9 - 6.5 - FRACT./CARB. ZONE IN PURPLE TUFF 1 CM. CARB.	13.00	14.00	1.00	1	0.4	7	56	1711
		VNS. @ 6.15 & 6.2 @ 50/CA	14.00	15.00	1.00	1	0.3	11	48	1712
		7.5 - 7.8 - BROKEN CORE - HEAVILY FRACT. CARB./SER./CHL.	15.00	16.00	1.00	1	0.2	9	68	1713
		DEVELOPED ALONG FRACTS.	16.00	17.00	1.00	1	0.2	7	11	1714
		8.1 - 8.55 - BROKEN, SHATTERED CORE - ZONE OF INTENSE	17.00	18.00	1.00	1	0.3	7	69	1715
		FRACT. (CARB./SER./CHL.)	18.00	19.00	1.00	2	0.3	10	2	1716
		(7.2 - 8.5 CORE RECOVERY APPROX. 80%)	19.00	20.00	1.00	1	0.2	10	5	1717
		8.8 - BEDS (IN PALE PURPLE CALC. TUFF) @ 40/CA								
		10.9 - BEDS (IN PALE GREEN CALC. TUFF) @ 25/CA								
		LST./VOLC. BX. 11.0 - 11.4 & 13.3 - 14.0 - (ABUND. SHARDS/ CLASTS PALE GREY - WHITE LST.)								
		13.2 - BEDS @ 45/CA								
		15.06 - 15.46 - SHEARED HEAVILY CHLORITISED VOLC. BX. - WITHIN DOM. PURPLE TUFFS. CONTACT @ 15.46 @ 45/CA								
		15.5 - 16.65 - HIGHLY FRACT., CARBONATISED, SL. RUSTY PURPLE TUFF INCL. GOUGE ZONE @ 16.46 - 16.65; PARALLEL/CA. CORE BROKEN, GROUND IN PART.								
		16.65 - 17.53 - STRONGLY CALC. MED. GR. PURPLE GRIT								
		17.53 - 18.10 - COARSE BX.								
		18.10 - 20.2 - MOD. CALC. MED. TO FINE GR. GREY TO PURPLE TUFF. FRACTS. HEALED WITH MILKY CARB. PARALLEL/CA								
		18.20 - 19.00 - MOD. ALTERATION (BLEACHING)								
20.2	23.16	ALTERED TUFF	20.00	21.00	1.00	660	5.6	251	62	1718
		PALE GREY TO CREAM COLOURED, FINE GRAINED, RELATIVELY UNFRAC-	21.00	22.00	1.00	630	6.9	243	83	1719
		TURED. MODERATELY CALCAREOUS SECTIONS. PYRITISED SERICITE- CHLORITE-ALTERATION. MINERALISATION CONSISTS OF DISSEM. PY REPLACING MAFIC MINERALS AS AT 20.32; AND AS VEIN FILLING IN	22.00	23.00	1.00	605	5.2	30	62	1720

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FROM	TO	LITHOLOGICAL DESCRIPTION	FROM	TO	WIDTH	ASSAYS				Sample
						AU ppb	Ag ppm	Pb ppm	Cu ppm	
		FRACTURES AT 60/CA WITH QTZ., PY, Pbs, MINOR ccp, & CALCITE AS AT 21.00; AND AS CONCENTRATIONS OF PYRITE (MAINLY) ALONG POORLY DEFINED FOLIATIONS/FRACTS., AS AT 22.75. WHERE QTZ. VEINS OCCUR, THEY ARE ONLY SPARSELY MINERALISED WITH SLIGHT INCREASE OF MIN. AT MARGINS OF VEINS. MINOR QTZ. STRINGERS 20.30, 21.80, 22.90 20 CM. FRACTURE (SHEAR) - GOUGE AT 22.00 - 22.60								
23.16	29.26	ANDESITE TUFF	23.00	24.00	1.00	360	2.9	46	42	1721
		DENSE, FINE GRAINED GREEN (BLEACHED), ALTERATION INCREASING DOWN HOLE FROM 2.8 M.	24.00	25.00	1.00	37	0.5	9	51	1722
		FRACTURE ZONES - 23.30 - 23.77, 24.30 - 25.50 - 50% RECOVERY;	25.00	26.00	1.00	103	0.9	10	64	1723
		25.50; 26.82; 28.80 - 29.26 - GOUGE 50% RECOVERY	26.00	27.00	1.00	2	0.2	12	27	1724
		28.06 - MINOR QTZ. STRINGERS 45/CA	27.00	28.00	1.00	52	0.5	10	24	1725
			28.00	29.00	1.00	7	0.2	9	6	1726
29.26	53.00	ALTERED TUFF	29.00	30.00	1.00	179	1.5	9	60	1727
		WITH NARROW BANDS UP TO 1.5 M. INTERCALATED	30.00	31.00	1.00	168	1.3	9	43	1728
		UNALTERED, GREENISH PURPLE FINE TO MED. GRAINED NON-CALC.	31.00	32.00	1.00	580	4.4	26	34	1729
		LITHIC TUFF/LAPILLI TUFF. MINERALISED THROUGHOUT. ALTERATION ZONES STRONGEST AT OR NEAR QTZ./VN. FRACTS.	32.00	33.00	1.00	67	0.6	10	56	1730
		MIN. CONSISTS OF DISSEM. PY; PY-Pbs IN QTZ. VN.	33.00	34.00	1.00	370	2.9	13	83	1731
			34.00	35.00	1.00	330	2.1	10	71	1732
			35.00	36.00	1.00	370	2.8	10	88	1733
		QTZ. VNS.	36.00	37.00	1.00	157	1.1	7	94	1734
		29.26; 31.50 - 31.85; 33.40; 33.95 @ 45/CA; 36.95 @ 45/CA;	37.00	38.00	1.00	250	2.0	7	53	1735
		37.60 @ 45/CA; 37.75 - 38.10 @ 30/CA; 39.50 @ 35/CA; 39.85 @ 30/CA; 40.15 CUT BY SHEAR @ 20/CA; 41.65 - 41.75	38.00	39.00	1.00	380	7.3	42	58	1736
			39.00	40.00	1.00	360	2.7	12	69	1737
			40.00	41.00	1.00	460	1.5	14	123	1738
		MINERALISED SECTIONS (DISSEM. PY)	41.00	42.00	1.00	320	1.9	5	146	1739
		29.26 - 30.75; 31.00 - 32.00; 31.55 - 31.85 QTZ. VN. Pbs;	42.00	43.00	1.00	205	1.1	6	38	1740
		35.00 - 37.00; 34.20; 34.50; 36.95; 37.30 - 38.45 INCL.	43.00	44.00	1.00	41	0.6	8	235	1741
		37.75 - 38.10 Pbs IN QTZ.; 38.75 - 40.20; 41.30 - 42.80.	44.00	45.00	1.00	6	0.1	4	34	1742
			45.00	46.00	1.00	6	0.2	3	49	1743
		FAULTS	46.00	47.00	1.00	42	0.2	3	62	1744
		31.70 - 33.15; 35.90 - 36.80 (BROKEN); 36.00 - 36.88;	47.00	48.00	1.00	43	0.4	12	21	1745
		43.00 - 44.30; 44.75 - 45.00; 40.20 (GOUGE) - 40.50;	48.00	49.00	1.00	47	0.5	8	30	1746
		43.10 - 44.25; 44.75 (GOUGE) - 44.95; 45.70 - 46.15;	49.00	50.00	1.00	205	1.2	6	123	1747
		47.00 - 54.15 (GOUGE); GOUGE 48.20 - 48.70	50.00	51.00	1.00	5	0.1	4	13	1748
			51.00	52.00	1.00	3	0.1	5	18	1749
			52.00	53.00	1.00	3	0.1	7	7	1750
53.00	64.75	LITHIC TUFF/LAPILLI TUFF	53.00	54.00	1.00	1	0.1	6	6	1751
		FINE GRAINED GREENISH EVEN TEXTURED TUFF WITH MINOR INTER-	54.00	55.00	1.00	19	0.1	2	17	1752

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FROM	TO	LITHOLOGICAL DESCRIPTION	ASSAYS							
			FROM	TO	WIDTH	AU ppb	Ag ppm	Pb ppm	Cu ppm	Sample
		CALATED NARROW BANDS OF CREAM NON-CALC. ALTERED UNMINERALISED	55.00	56.00	1.00	4	0.1	2	27	1753
		LAPILLI TUFF/BX. MED. SIZED TO COARSE FRAGMENTS OF VARIABLE	56.00	57.00	1.00	17	0.2	2	46	1754
		COMPOSITION, INCREASING DOWN HOLE NUMEROUS NARROW FRACTS.	57.00	58.00	1.00	4	0.1	8	24	1755
		HEALED WITH NON-CALC. WHITE CARBONATES, OFTEN EXHIBITING	58.00	59.00	1.00	1	0.1	2	31	1756
		DISPLACEMENTS. FRACTS. AT 45/CA AND NEARLY PARALLEL/CA.	59.00	60.00	1.00	1	0.3	2	152	1757
		ABUNDANT SLIPS WITH CHLORITE MINOR SERICITE.	60.00	61.00	1.00	1	0.1	3	102	1758
			61.00	62.00	1.00	175	0.7	5	197	1759
			62.00	63.00	1.00	3	0.1	2	10	1760
			63.00	64.00	1.00	1	0.2	10	11	1761
64.75	74.88	ALTERED BX/TUFF	64.00	65.00	1.00	1	0.1	5	35	1762
		CREAM COLOURED WITH ORANGE TINT, MED. TO COARSE RELICT	65.00	66.00	1.00	93	1.2	9	263	1763
		FRAGMENTAL TEXTURE READILY VISIBLE. CONSIDERABLE SERICITE,	66.00	67.00	1.00	1	0.1	2	12	1764
		KAOLIN, MINOR CHLORITE. SLIPS WITH CHL. AT 30/CA. STRONG	67.00	68.00	1.00	335	2.4	8	123	1765
		SHEARING, FOLIATION AT 66.45 - 68.00. NO QTZ. VNS.	68.00	69.00	1.00	12	0.1	3	12	1766
		FAULTS WITH GOUGE AT 68.45; 72.15; 73.00; 74.37 - 74.88.	69.00	70.00	1.00	60	0.3	9	106	1767
			70.00	71.00	1.00	3650	26.0	4	309	1768
			71.00	72.00	1.00	38	0.2	2	49	1769
			72.00	73.00	1.00	44	0.2	4	14	1770
			73.00	74.00	1.00	11	0.1	5	7	1771
74.88	75.90	LIMESTONE	74.00	75.00	1.00	325	2.6	19	40	1772
		BLACK, NYLONITISED, GRAPHITIC BEDS AT 50/CA.								
75.90	77.72	TUFFACEOUS LIMESTONE	75.00	76.00	1.00	850	8.1	121	143	1773
		GREY, THIN BEDDED, STRONGLY CALCAREOUS,	76.00	77.00	1.00	24	0.1	20	19	1774
		IMPURE LST? - POORLY BEDDED TO MASSIVE.								
77.72	78.30	LIMESTONE - BLACK	77.00	78.00	1.00	21	0.9	39	26	1775
		NYLONITISED, GRAPHITIC BEDS 45/CA.								
78.30	79.50	ALTERED TUFF	78.00	79.00	1.00	9	1.2	9	71	1776
		PALE GREY PYRITISED, SERICITIC COARSE GRAINED TUFF/GRIT.								
		NON-CALC. LITTLE QTZ. VEINING; DISSEM. PY WEARLY								
		LINEAR AT SHALLOW ANGLE TO CA. SERICITIC SLIPS AT 45/CA.								
79.50	82.15	LIMESTONE - BLACK	79.00	80.00	1.00	250	2.2	20	93	1777
		GRAPHITIC 'NYLONITISED', HIGHLY SHEARED CALCITE VEINLETS ALONG	80.00	81.00	1.00	10	0.5	27	43	1778
		BEDDING LINEATIONS AT 30/CA.	81.00	82.00	1.00	8	0.8	35	86	1779

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FROM	TO	LITHOLOGICAL DESCRIPTION	FROM	TO	WIDTH	ASSAYS				Sample
						AU ppb	Ag ppm	Pb ppm	Cu ppm	
82.15	90.44	BX/TUFF ALTERED	82.00	83.00	1.00	25	0.2	15	34	1780
		PALE CREAM & MOTTLED PURPLE, FINE TO COARSE SERICITIC,	83.00	84.00	1.00	49	0.2	26	70	1781
		BRECCIA WITH INTERCALATED BANDS PALE CREAM FINE TUFF. COARSE	84.00	85.00	1.00	7	0.1	13	41	1782
		POLYLITHIC FRAGMENTAL TEXT. FINE GRAINED GROUND MASS	85.00	86.00	1.00	12	0.1	8	61	1783
		PERVASIVELY ALTERED (SERICITE, KAOLIN, CHL.). BECOMING	86.00	87.00	1.00	61	0.5	7	55	1784
		COARSER, LESS ALTERED, MORE PURPLE DOWN HOLE.	87.00	88.00	1.00	3	0.1	16	21	1785
		NO QTZ. VEINING. SULPHIDES ONLY IN FINE GRAINED TUFFS AS AT	88.00	89.00	1.00	1	0.3	2	40	1786
		85.90. BEDDING 50/CA. 82.15 - 90.44; 89.25 - 89.95 GOUGE	89.00	90.00	1.00	4	0.1	2	74	1787
90.44	93.88	LIMESTONE - BLACK	90.00	91.00	1.00	5	0.6	2	46	1788
		GRAPHITIC HIGHLY SHEARED AND SHATTERED. NARROW INTERBEDDED	91.00	92.00	1.00	3	0.8	3	56	1789
		BANDS CALC. CREAM COLOURED F. GR. MOD. ALT. TUFF	92.00	93.00	1.00	1	0.9	9	36	1790
		92.00 - 92.96 - GOUGE, FAULT								
		94.30 - SHEAR ZONE WITH GOUGE								
		RECOVERY 60% ?								
93.88	94.55	ALTERED TUFF	93.00	94.00	1.00	8	0.6	2	28	1791
		PALE CREAM FINE TO MEDIUM GRAINED MOD. CALC. SPARSELY								
		PYRITISED FOLIATION AT 60/CA.								
94.55	96.16	LIMESTONE - BLACK	94.00	95.00	1.00	4	0.2	5	20	1792
		GRAPHITIC HIGHLY SHEARED CALCITE VEINLETS ALONG BEDDING	95.00	96.00	1.00	1	0.2	33	11	1793
		LINERATIONS AT 45/CA.								
96.16	97.00	ALTERED TUFF	96.00	97.00	1.00	3	0.3	19	57	1794
		PALE CREAM, FINE GRAINED, MOD. ALTERED, PYRITISED TUFF.								
		FAULT GOUGE AT 96.30 - 96.62.								
97.00	98.60	VOLCANIC BX	97.00	98.00	1.00	1	0.3	2	69	1795
		PURPLE-GREEN MED.-COARSE NON-CALCAREOUS BRECCIA -								
		MONOLITHIC (TUFF) SCATTERED F. CARB./QTZ. VEINLETS.								
98.60	103.53	ANDESITIC TUFF	98.00	99.00	1.00	1	0.2	2	104	1796
		WEAKLY & VARIABLY ALTERED GREEN, DENSE,	99.00	100.00	1.00	1	0.3	2	79	1797
		F. GR., LOCALLY BLEACHED.	100.00	101.00	1.00	1	0.3	2	100	1798
			101.00	102.00	1.00	1	0.3	2	99	1799

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FROM	TO	LITHOLOGICAL DESCRIPTION	ASSAYS							
			FROM	TO	WIDTH	AU ppb	Ag ppm	Pb ppm	Cu ppm	Sample
			102.00	103.00	1.00	9	0.2	2	116	1800
103.53	112.78	TUFF/BX	103.00	104.00	1.00	2	0.1	2	88	1801
		POLYLITHIC DARK GREEN TO PURPLE MED. GRAINED VOLCANIC BRECCIA,	104.00	105.00	1.00	1	0.2	3	109	1802
		& LAPILLI TUFF. F. GR. TUFF MODERATELY FRACTURED. FRACTS.	105.00	106.00	1.00	4	0.1	4	138	1803
		HEALED BY QTZ./CARB. AND EPIDOTE NARROW ALTERATION	106.00	107.00	1.00	3	0.1	2	116	1804
		HALOS ADJACENT TO FRACTURES.	107.00	108.00	1.00	1	0.1	2	104	1805
			108.00	109.00	1.00	3	0.1	3	101	1806
			109.00	110.00	1.00	2	0.1	2	110	1807
		E.O.H.	110.00	111.00	1.00	1	0.1	2	110	1808
		CORE RECOVERY 86%	111.00	112.00	1.00	4	0.1	2	123	1809
		CASING LEFT IN HOLE	112.00	112.78	0.78	3	0.1	2	119	1810

AVERAGED ASSAY INTERVALS  
PROPERTY: SADIM  
HOLE No: 9

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1. 9.1 ( 3.00 d.t. Core Angle: 90 3.00 t.t.)

FROM:	20.00	-----	WESTINGS:	7.67
			SOUTHINGS:	2.95
			ELEVATION:	982.10
	631.667	AU ppb		
	5.900	Ag ppm		
	174.667	Pb ppm		
	69.000	Cu ppm		

TO:	23.00	-----	WESTINGS:	7.67
			SOUTHINGS:	2.95
			ELEVATION:	979.10

2. 9.2 (12.00 d.t. Core Angle: 90 12.00 t.t.)

FROM:	31.00	-----	WESTINGS:	7.67
			SOUTHINGS:	2.95
			ELEVATION:	971.10
	320.750	AU ppb		
	2.533	Ag ppm		
	13.500	Pb ppm		
	76.083	Cu ppm		

TO:	43.00	-----	WESTINGS:	7.67
			SOUTHINGS:	2.95
			ELEVATION:	959.10

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DIAMOND DRILL LOG

PROPERTY: SADIM

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Collar Westings: 7.42

Collar Southings: 2.75

Collar Elevation: 1018.60

Collar Inclination: -90.00

Grid Bearing: 0.00

Final Depth: 150.72

Logged by: IMW

Date: August 1987

Down-hole Survey:

FROM	TO	LITHOLOGICAL DESCRIPTION	FROM	TO	WIDTH	ASSAYS				Sample #
						Au ppb	Ag ppm	Pb ppm	Cu ppm	
0	3.66	OVERBURDEN								
3.66	36.64	TUFF/BX, CALC.	4.00	5.00	1.00	1	0.1	5	51	1811
		DOM. MAROON, GREY GREEN, HIGHLY VARIABLE, FINE-MED. GRAINED	5.00	6.00	1.00	1	0.2	5	107	1812
		TUFF & BX., UPPER 5 M. RUST STAINED (WEATHERING). STRONGLY	6.00	7.00	1.00	1	0.5	6	1204	1813
		CALC. FINELY & IRREG. FRACT. THROUGHOUT; DOM. SETS @ 30 &	7.00	8.00	1.00	1	0.1	3	145	1814
		70/CA - HEALED MAINLY BY CARB., WITH MINOR LOCAL CHLORITE,	8.00	9.00	1.00	1	0.1	3	63	1815
		EPIDOTE.	9.00	10.00	1.00	2	0.1	3	56	1816
			10.00	11.00	1.00	1	0.1	3	41	1817
		FAULT/PROM. FRACTS.	11.00	12.00	1.00	1	0.1	6	39	1818
		14.85 - 15.00; 16.00 - 16.50; 16.75 - 17.0	12.00	13.00	1.00	1	0.1	3	47	1819
			13.00	14.00	1.00	1	0.1	5	43	1820
		RECOVERY 90%	14.00	15.00	1.00	1	0.1	2	87	1821
			15.00	16.00	1.00	1	0.2	8	121	1822
			16.00	17.00	1.00	1	0.4	7	374	1823
			17.00	18.00	1.00	1	0.4	6	547	1824
			18.00	19.00	1.00	30	0.2	9	42	1825
			19.00	20.00	1.00	1	0.1	9	14	1826
			20.00	21.00	1.00	1	0.1	4	60	1827
			21.00	22.00	1.00	6	0.3	5	54	1828
			22.00	23.00	1.00	6	0.3	2	67	1829
			23.00	24.00	1.00	14	0.4	2	67	1830
			24.00	25.00	1.00	4	0.4	2	46	1831
			25.00	26.00	1.00	2	0.1	2	61	1832
			26.00	27.00	1.00	1	0.1	2	77	1833
			27.00	28.00	1.00	1	0.2	5	64	1834
			28.00	29.00	1.00	1	0.2	5	59	1835
			29.00	30.00	1.00	2	0.2	3	74	1836
			30.00	31.00	1.00	1	0.2	3	64	1837
			31.00	32.00	1.00	1	0.1	5	83	1838
			32.00	33.00	1.00	1	0.3	6	55	1839
			33.00	34.00	1.00	1	0.1	2	50	1840
			34.00	35.00	1.00	1	0.1	6	64	1841
			35.00	36.00	1.00	2	0.1	6	100	1842
36.64	49.25	TUFF/BX	36.00	37.00	1.00	1	0.1	7	29	1843
		SIMILAR TO ABOVE, BUT LESS HEMATITIC STAINING, NON-CALC.	37.00	38.00	1.00	1	0.2	6	30	1844
		39.10 - NARROW GOUGE ZONE CONTAINING QTZ. FRAGS.	38.00	39.00	1.00	1	0.2	10	50	1845
		39.80 - NARROW GOUGE ZONE CONTAINING QTZ. FRAGS.	39.00	40.00	1.00	175	0.6	13	90	1846
		42.52 - NARROW GOUGE ZONE CONTAINING QTZ. FRAGS.	40.00	41.00	1.00	1	0.1	11	52	1847
		44.0 - 45.60 - GOUGE	41.00	42.00	1.00	20	0.2	9	58	1848

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FROM	TO	LITHOLOGICAL DESCRIPTION	ASSAYS							
			FROM	TO	WIDTH	Au ppb	Ag ppm	Pb ppm	Cu ppm	Sample #
		FRACT. ZONES ALSO @ 49.32 - 49.98; 53.6 - 53.8	42.00	43.00	1.00	150	1.0	3	44	1849
		49.07 - QTZ. STRINGER @ 60/CA, WITH NARROW ALTERATION HALO	43.00	44.00	1.00	295	2.0	3	61	1850
		(BLEACHING, Tr. PY)	44.00	45.00	1.00	425	2.5	2	37	1851
			45.00	46.00	1.00	295	1.9	24	58	1852
		RECOVERY 95%	46.00	47.00	1.00	12	0.3	4	101	1853
			47.00	48.00	1.00	43	0.3	3	70	1854
			48.00	49.00	1.00	150	1.4	5	53	1855
49.25	61.55	TUFF/BX. CALC.	49.00	50.00	1.00	9	0.2	2	107	1856
		DOM. MAROON BL., (SIMILAR TO 3.66 - 36.64 ABOVE) MINOR NARROW	50.00	51.00	1.00	6	0.1	3	16	1857
		ZONES OF ALTERATION (BLEACHING, CARBONATISATION, WELY. DISSEM.	51.00	52.00	1.00	1	0.2	6	19	1858
		PY) SURROUNDING ZONES OF FRACTURING, FAULTS & RARE QTZ. VNS.	52.00	53.00	1.00	1	0.1	6	46	1859
		PROM. FRACTS. @ 53.6 - 53.80 (GOUGE)	53.00	54.00	1.00	1	0.2	6	5	1860
		NARROW QTZ. VNS./VNLS. @ 55.0 - 55.09; @ 56.15 (3 CMS.) 20/CA;	54.00	55.00	1.00	12	0.2	4	11	1861
		58.50 (1 CM) @ 60/CA (V.F. PY); 60.35 (1 CM); & 61.55 (3 CMS.)	55.00	56.00	1.00	35	0.6	8	256	1862
		@ 45/CA (SPARSE PY)	56.00	57.00	1.00	235	1.5	12	95	1863
			57.00	58.00	1.00	1	0.1	5	27	1864
		RECOVERY 95% +	58.00	59.00	1.00	2	0.2	15	44	1865
			59.00	60.00	1.00	6	0.1	3	25	1866
			60.00	61.00	1.00	1	0.1	7	28	1867
61.55	62.79	TUFF, ALTERED	61.00	62.00	1.00	850	6.6	157	76	1868
		BLEACHED, PALE BUFF, FAINTLY MOTTLED, REFLECTING VARIABLE								
		ALTERATION, WELY. & IRREG. PYRITISED - STRONGEST ADJ. TO								
		FRACTS./QTZ. VNS.								
		QTZ. VNS.								
		61.65 (10 CMS.) 45/CA - SPARSE PY								
		61.85 (5 CMS.) 45/CA - SPARSE PY								
		RECOVERY 95% +								
62.79	66.14	TUFF/BX. CALC.	62.00	63.00	1.00	55	0.2	12	32	1869
		SIM. TO SECTIONS ABOVE. QTZ. VNLS. @	63.00	64.00	1.00	132	0.9	5	26	1870
		65.0 - 65.25 45/CA, CONTAINING MINOR PY, Pbs; 66.0 (1 CM)	64.00	65.00	1.00	92	0.6	9	33	1871
			65.00	66.00	1.00	64	0.3	5	53	1872
		RECOVERY 97%								
66.14	74.15	TUFF/BX	66.00	67.00	1.00	980	7.9	86	209	1873
		DOM. MAROON GREEN, NON-CALC. LOCALLY WELY BEDDED. BEDS @	67.00	68.00	1.00	210	0.8	7	16	1874
		45-60/CA	68.00	69.00	1.00	22	0.2	8	42	1875
			69.00	70.00	1.00	1	0.1	6	27	1876



I. M. WATSON & ASSOCIATES LTD

DIAMOND DRILL LOG

PROPERTY: SADIM  
HOLE No.: 10

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FROM	TO	LITHOLOGICAL DESCRIPTION	ASSAYS							
			FROM	TO	WIDTH	Au ppb	Ag ppm	Pb ppm	Cu ppm	Sample #
		RECOVERY 96%	70.00	71.00	1.00	60	0.4	5	20	1877
			71.00	72.00	1.00	230	1.6	5	69	1878
			72.00	73.00	1.00	4	0.1	3	38	1879
			73.00	74.00	1.00	1	0.1	2	69	1880
74.15	76.50	TUFF, ALTERED	74.00	75.00	1.00	110	0.6	6	75	1881
		SIM. TO ALTERED ZONES ABOVE. ALTERATION RELATED TO QTZ.	75.00	76.00	1.00	560	3.3	6	131	1882
		VMLTS. HEALED P. FRACTS. @ 74.90; 75.0; 75.5 (PbS);								
		75.6 (38/CA); & 75.8								
		RECOVERY 95%								
76.50	78.40	TUFF/BX	76.00	77.00	1.00	480	2.7	47	105	1883
		AS ABOVE - DOM. PURPLE-MAROON-GREEN, P. CRSE. GRAINED TUFFS &	77.00	78.00	1.00	8	0.1	3	39	1884
		BXS.; FRACT. IRREG. - PROM. FRACTS @ 76.65 - 76.85 - HIGHLY								
		SHATTERED								
		RECOVERY 90%								
78.40	80.0	FAULT ZONE	78.00	79.00	1.00	6	0.1	5	60	1885
		HIGHLY SHATTERED TUFF/BX - BROKEN CORE	79.00	80.00	1.00	1	0.1	5	15	1886
		RECOVERY 90%								
80.0	108.0	TUFF/BX	80.00	81.00	1.00	5	0.1	2	35	1887
		AS ABOVE - MINOR WEAK ALTERATION (BLEACHING, FREELY DISSEM.	81.00	82.00	1.00	690	4.4	5	149	1888
		PY) ADJACENT TO RARE FRACT. CONTROLLED NARROW QTZ. VMLTS. @	82.00	83.00	1.00	72	0.2	2	17	1889
		84.75 - 85.30; 86.9 - 87.3; 90.1 - 90.9; 99.36 - 100.15;	83.00	84.00	1.00	5	0.2	4	67	1890
		104.5 - 104.8; 106.8 - 107.0; ALSO MINOR QTZ. FRAGS. IN	84.00	85.00	1.00	58	0.3	4	48	1891
		BROKEN CORE @ 82.5 - 82.6; 91.6 - 92.25; & 102.5 - 107.5	85.00	86.00	1.00	240	1.5	3	277	1892
			86.00	87.00	1.00	30	0.3	6	26	1893
		RECOVERY 97%	87.00	88.00	1.00	2800	19.9	392	117	1894
			88.00	89.00	1.00	6	0.1	5	43	1895
			89.00	90.00	1.00	71	0.4	2	38	1896
			90.00	91.00	1.00	173	1.5	3	157	1897
			91.00	92.00	1.00	110	0.5	5	138	1898
			92.00	93.00	1.00	39	0.3	5	192	1899
			93.00	94.00	1.00	1	0.2	3	71	1900
			94.00	95.00	1.00	9	0.2	20	49	12001
			95.00	96.00	1.00	3	0.1	29	71	12002
			96.00	97.00	1.00	18	0.2	12	96	12003

I. M. WATSON & ASSOCIATES LTD

DIAMOND DRILL LOG

PROPERTY: SADIM  
HOLE No.: 10

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FROM	TO	LITHOLOGICAL DESCRIPTION	ASSAYS							
			FROM	TO	WIDTH	Au ppb	Ag ppm	Pb ppm	Cu ppm	Sample #
			97.00	98.00	1.00	4	0.1	17	51	12004
			98.00	99.00	1.00	320	2.2	14	208	12005
			99.00	100.00	1.00	1	0.1	12	107	12006
			100.00	101.00	1.00	29	0.3	6	75	12007
			101.00	102.00	1.00	260	1.4	10	120	12008
			102.00	103.00	1.00	108	0.8	7	116	12009
			103.00	104.00	1.00	17	0.1	10	53	12010
			104.00	105.00	1.00	430	2.7	5	164	12011
			105.00	106.00	1.00	2	0.1	13	41	12012
			106.00	107.00	1.00	76	0.5	12	117	12013
			107.00	108.00	1.00	1	0.2	11	23	12014
108.0	121.0	TUFF, ALTERED	108.00	109.00	1.00	240	1.4	13	46	12015
		PALE GREEN - BUFF, F. GR. CARBONATISED & SERITICISED; FINELY	109.00	110.00	1.00	25	0.1	9	10	12016
		& ERRATICALLY PYRITISED ALONG & ADJACENT TO QTZ. HEALED	110.00	111.00	1.00	121	0.9	13	28	12017
		FRACTS.; VNS. FROM 'VHLT' TO 2.5 CM. @ 117.6 (PY + ccp);	111.00	112.00	1.00	79	0.4	6	31	12018
		119.20 (PY, ccp, Pbs); 119.90 - 45/CA	112.00	113.00	1.00	168	1.5	13	25	12019
		FRACTS./SHEAR ZONES @ 108.30; 110.50; 114.0; 119.0	113.00	114.00	1.00	37	0.3	10	19	12020
		RECOVERY 95%	114.00	115.00	1.00	850	5.8	9	66	12021
			115.00	116.00	1.00	221	1.4	5	46	12022
			116.00	117.00	1.00	380	2.4	9	63	12023
			117.00	118.00	1.00	860	7.1	72	233	12024
			118.00	119.00	1.00	890	7.0	16	135	12025
			119.00	120.00	1.00	560	3.7	5	77	12026
			120.00	121.00	1.00	1890	16.2	440	803	12027
121.0	123.5	FAULT	121.00	122.00	1.00	930	8.9	55	163	12028
		STRONG GOUGE FRACT. ZONE	122.00	123.00	1.00	240	2.8	103	90	12029
		RECOVERY 90%								
123.5	140.90	LIMESTONE	123.00	124.00	1.00	147	2.3	264	55	12030
		BLACK - DARK GREY, HIGHLY SHEARED GRAPHITIC. WELL BEDDED -	124.00	125.00	1.00	128	2.2	151	90	12031
		50-60/CA, LOCALLY VARIABLE (DRAG FOLDING)	125.00	126.00	1.00	19	1.8	177	41	12032
		125.0 - FRACT./GOUGE	126.00	127.00	1.00	35	1.7	121	32	12033
		131.75 - FRACT./GOUGE	127.00	128.00	1.00	14	0.5	42	19	12034
		RECOVERY 95%	128.00	129.00	1.00	59	13.7	943	444	12035
			129.00	130.00	1.00	5	0.9	75	131	12036
			130.00	131.00	1.00	4	0.2	7	11	12037
			131.00	132.00	1.00	6	0.6	8	28	12038
			132.00	133.00	1.00	7	0.3	15	17	12039
			133.00	134.00	1.00	3	0.5	4	29	12040
			134.00	135.00	1.00	16	1.0	6	36	12041



=====

1. 10.1 ( 3.00 d.t. Core Angle: 90 3.00 t.t.)

FROM: 85.00 ----- WESTINGS: 7.42  
SOUTHINGS: 2.75  
ELEVATION: 933.60

1023.333 Au ppb  
7.233 Ag ppm  
133.667 Pb ppm  
140.000 Cu ppm

TO: 88.00 ----- WESTINGS: 7.42  
SOUTHINGS: 2.75  
ELEVATION: 930.60

2. 10.2 ( 8.00 d.t. Core Angle: 90 8.00 t.t.)

FROM: 114.00 ----- WESTINGS: 7.42  
SOUTHINGS: 2.75  
ELEVATION: 904.60

822.625 Au ppb  
6.563 Ag ppm  
76.375 Pb ppm  
198.250 Cu ppm

TO: 122.00 ----- WESTINGS: 7.42  
SOUTHINGS: 2.75  
ELEVATION: 896.60

3. 10.3 ( 5.00 d.t. Core Angle: 90 5.00 t.t.)

FROM: 117.00 ----- WESTINGS: 7.42  
SOUTHINGS: 2.75  
ELEVATION: 901.60

1026.000 Au ppb  
8.580 Ag ppm  
117.600 Pb ppm  
282.200 Cu ppm

TO: 122.00 ----- WESTINGS: 7.42  
SOUTHINGS: 2.75  
ELEVATION: 896.60

I. M. WATSON & ASSOCIATES LTD

DIAMOND DRILL LOG

PROPERTY: SADIM

HOLE No.: 11

Collar Westings: 7.38

Collar Southings: 3.00

Collar Elevation: 1014.70

Collar Inclination: -90.00

Grid Bearing: 0.00

Final Depth: 148.44

Logged by: IMW

Date: August 1987

Down-hole Survey:

FROM	TO	LITHOLOGICAL DESCRIPTION	FROM	TO	WIDTH	ASSAYS				Sample #
						Au ppb	Ag ppm	Pb ppm	Cu ppm	
0	0.91	OVERBURDEN								
0.91	13.80	TUFF	0.91	2.30	1.39	2	0.1	4	98	16101
		DK. GREEN-GREY, MOTTLED PURPLE. FRAGS. DOM. PURPLE	2.30	3.30	1.00	2	0.1	2	110	16102
		MAROON, MINOR DK. GREEN/GREY, F. GR. VOLC. UP TO 3 CMS.	3.30	4.30	1.00	1	0.1	4	93	16103
		LOCALLY WKLY - MOD. ALT. SER.-EP.-CARB. IN ADJ. & ALONG	4.30	5.30	1.00	3	0.3	4	166	16104
		RANDOMLY ORIENTED FRACTS., WKLY - MOD. MAGNETIC. OCC. MAL. ON	5.30	6.30	1.00	2	0.2	4	335	16105
		FRACT. PLANES.	6.30	7.30	1.00	14	0.1	3	114	16106
		3.16 - 4.15 - QTZ. HEALED FRACT., SL. RUSTY 10/CA.	7.30	8.30	1.00	4	0.2	3	119	16107
		POSS. V.F. SULPHIDES.	8.30	9.30	1.00	4	0.1	4	83	16108
		4.87 - 4.90 - QTZ. CARB. HEALED FRACT., ALONG RUSTY OPEN	9.30	10.30	1.00	4	0.2	4	89	16109
		SLIP 75/CA.	10.30	11.30	1.00	9	0.1	3	73	16110
		5.50 - 5.85 - EP, MOD./STRONG WITH CARB IN IRREG. FRACTS.	11.30	12.30	1.00	3	0.2	4	100	16111
		6.1 - MINOR MAL. AS SMALL FLECKS ALONG IRREG. FRACT. PLANE	12.30	13.30	1.00	2	0.1	4	92	16112
		7.85 - 7.95 - IRREG. EP. CARB. ALT. ALONG FRACT. 55/CA, MINOR MAL.								
		9.5 - 9.6; 9.71 - 10.00; 10.40 - 10.44; FRACT. RELATED CARB. -EP. ZONES								
		10.8 - 11.2 - CARB. LINED FRACT. APPROX. 10/CA.								
		13.50 - QTZ. VN. (0.5CM) 65/CA								
		RECOVERY 97%								
13.80	16.88	TUFF ALT.	13.30	14.30	1.00	1	0.2	6	111	16113
		MAINLY BUFF, BUT PALE PURPLE BROWN, FINE GRAINED, WITH NARROW	14.30	15.30	1.00	34	0.4	6	101	16114
		IRREG. ZONES OF COARSER POLYLITHIC GRIT; ALTERATION (BLEACHING, DISSEM. PY) RELATED & MARGINAL TO QTZ. (CARB.)	15.30	16.30	1.00	220	1.5	11	67	16115
		HEALED FRACT. ZONES. FRACTS. 45/CA & APPROX. PARALLEL/CA. FRACTS. TO 15.25 RUST COATED BLEACHED, PYRITISED.								
		ALT. ZONES								
		14.48 - 14.80 (WK.F.PY.);								
		15.24 - 15.40 INCL. GOUGE @ 15.24 - 15.32. CONTRACT @ 80/CA;								
		15.63 - 15.78; 15.9 - 16.67 INCL. QTZ. FILLED GOUGE;								
		15.85 - 16.15.								
		RECOVERY 97%								
16.88	23.16	TUFF	16.30	17.30	1.00	48	0.5	6	49	16116





I . M . WATSON & ASSOCIATES LTD

DIAMOND DRILL LOG

PROPERTY: SADIM  
HOLE No.: 11

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FROM	TO	LITHOLOGICAL DESCRIPTION	FROM	TO	WIDTH	ASSAYS				Sample #
						Au ppb	Ag ppm	Pb ppm	Cu ppm	
		RECOVERY 95%								
41.85	42.60	TUFF DIRTY GREEN, F.GR. CHLORITIC, CALC. HIGH CLAY CONTENT - INTENSLY SHEARED.	41.30	42.30	1.00	3	0.1	6	68	16141
		RECOVERY 100%								
42.6	44.0	TUFF/BX PURPLE, HIGHLY VARIABLE, CALC. TUFF DOMINANTLY PURPLE & MAROON VOLC. FRAGS. WITH IRREG. ZONES PALE CARB.	42.30	43.30	1.00	4	0.2	9	248	16142
		RECOVERY 97%								
44.0	46.93	ALT. ZONE PALE BUFF, GREEN, V. F.GR. SER./CARB. ROCK - ORIG. TEXTURE OBSCURED, IRREG. SMALL QTZ./CARB. VNLTS., ERRATICALLY DISTRIB. MINOR V. F. PY. AS SMALL ISOLATED XTALS. CORE BROKEN FRACT'D. 46.30 - 46.35 - FAULT, GOUGE ZONE CONT. QTZ. FRAGS., MINOR F.PY 46.90 - 46.93 - PY APPROX. 3%	43.30	44.30	1.00	1	0.1	8	32	16143
			44.30	45.30	1.00	1	0.1	8	41	16144
			45.30	46.30	1.00	55	0.5	12	97	16145
		RECOVERY 95%								
46.93	48.2	TUFF PALE GREEN-BUFF (PARTIALLY ALT.), V.F. GR., CHLORITIC. FAIRLY MASS. ISOLATED FRAGS. DK. TUFF. MINOR CARB. QTZ. VNLTS. @ 47.6 & 47.9, LATTER 1 CM. VN. CONTAINS CORE OF PYRITISED QTZ. 47.9 - 48.2 - CORE BROKEN	46.30	47.30	1.00	18	0.1	12	33	16146
		RECOVERY 95%								
48.2	50.6	ALTERATION ZONE PALE BUFF, GREENISH TINGE DIMINISHING DOWN HOLE, LOCALLY WELY. MOTTLED WHERE ALTERATION INCOMPLETE. FINELY PYRITISED ADJACENT & WITHIN QTZ. HEALED FRACT. ZONES.	47.30	48.30	1.00	47	0.4	5	11	16147
			48.30	49.30	1.00	8490	67.6	1734	111	16148
			49.30	50.30	1.00	710	6.1	159	46	16149







I. M. WATSON & ASSOCIATES LTD

DIAMOND DRILL LOG

PROPERTY: SADIM  
HOLE No.: 11

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FROM	TO	LITHOLOGICAL DESCRIPTION	FROM	TO	WIDTH	Au ppb	ASSAYS			Sample #
							Ag ppm	Pb ppm	Cu ppm	
82.1	99.61	TUFF - ALTERED	78.30	79.30	1.00	158	1.1	3	123	16178
		DK. GREY & BUFF, PARTIALLY ALTERED P. GR. - TRANSITIONAL,	79.30	80.30	1.00	31	0.1	3	55	16179
		LOCALLY SHARP CONTACTS BET. GREY & BUFF PHASES, LATTER	80.30	81.30	1.00	240	1.3	4	102	16180
		VARIABLY PYRITISED STRONGEST ADJ. TO QTZ. HEALED FRACTS.	81.30	82.30	1.00	85	0.5	4	60	16181
		STRONGEST VNS/PY ASSOCT'D. WITH MOST PROM. FRACTS./SHEARS.	82.30	83.30	1.00	220	1.6	3	103	16182
		NUMEROUS FINE FRACTS. @ 60/CA CUT BY LESS ABUND.	83.30	84.30	1.00	87	0.3	5	52	16183
		STEEPER & IRREG. VNS./VNLTS.	84.30	85.30	1.00	350	2.3	2	96	16184
		ALT. ZONES @ 82.2 - 83.15; 83.95 - 85.05 (INCL. QTZ. VN. @	85.30	86.30	1.00	2	0.1	2	12	16185
		84.5 - 84.63 @ 45/CA); 87.35 - 88.0 (INCL. GOUGE ZONE	86.30	87.30	1.00	7	0.2	3	141	16186
		87.9 - 88.3); 89.0 - 89.3 (FRACT. @ 10/CA).	87.30	88.30	1.00	23	0.2	2	65	16187
		ALTERATION BECOMING MORE PERVASIVE FROM 89.0.	88.30	89.30	1.00	5	0.2	2	109	16188
		MINOR QTZ. VNS. @ 90.15 (1 CM. @ 47/CA; 90.4 (LESS THAN 1 CM.)	89.30	90.30	1.00	193	1.5	2	201	16189
		(CORE MAINLY BROKEN 90 - 98 M.)	90.30	91.30	1.00	184	2.2	4	81	16190
		92.77 - 92.90 - GOUGE, FINELY BROKEN CORE	91.30	92.30	1.00	132	0.6	3	75	16191
		95.5 - 95.65 SHATTER/GOUGE ZONE 65/CA	92.30	93.30	1.00	38	0.3	2	25	16192
		97.86 - 97.96 - BROKEN QTZ, VN.; 98.26 1 CM. QTZ. VN. + PY	93.30	94.30	1.00	17	0.2	2	35	16193
		98.7 - 1.5 CM. QTZ. VN., MINOR PY 65/CA	94.30	95.30	1.00	1	0.1	2	9	16194
			95.30	96.30	1.00	1	0.1	2	13	16195
		RECOVERY 95%	96.30	97.30	1.00	1	0.1	2	10	16196
			97.30	98.30	1.00	380	2.9	3	62	16197
	98.30	99.30	1.00	31	0.3	3	150	16198		
99.61	101.0	TUFF	99.30	100.30	1.00	7	0.2	4	14	16199
		AS ABOVE. BUT REL. UNALTERED, GREY BROWN. SOME QTZ./CARB. HEALED FRACTS. 100.6 - 100.7 ADJ. TO BX. ZONE.								
		RECOVERY 98%								
101.0	108.37	TUFF, ALTERED	100.30	101.30	1.00	1	0.1	3	7	16200
		ALTERATION ZONE - INTENSE INCREASING DOWN HOLE.	101.30	102.30	1.00	245	0.1	7	70	16201
		PYRITISED SCATTERED QTZ. VNS. (FRACT. HEALING)	102.30	103.30	1.00	31	0.2	3	52	16202
		QTZ. VNS. WITH PYRITIC HALOS @ 102.6 - 2 CMS. SHATTERED;	103.30	104.30	1.00	155	0.7	5	109	16203
		103.7 1 CM. (BROKEN).	104.30	105.30	1.00	245	1.1	3	101	16204
		PYRITE ZONES - (DISSEN. SPECKS & FINE PY XTAL CLUSTERS)	105.30	106.30	1.00	360	1.9	7	141	16205
		105.17 - 105.76; 107.28 - 107.5; 107.7 - 108.35.	106.30	107.30	1.00	55	0.1	5	86	16206
		FOLTN. DEVELOPING APPROACHING MAJOR SHEAR - 55/CA @ 107.4	107.30	108.30	1.00	920	6.5	4	195	16207
		RECOVERY 92%								
108.37	114.1	MAJOR SHEAR ZONE	108.30	109.30	1.00	850	8.4	10	532	16208
		INTENSELY SHEARED & BX'D TUFF, BUFF, SERICITIC, SCHISTOSE IN	109.30	110.30	1.00	845	7.7	35	33	16209
		MAIN SHEAR, BX'D. BOUDINAGE STRUCTURES ADJ. TO SHEARS,	110.30	111.30	1.00	2970	39.0	1009	480	16210





=====

1. 11.1 ( 2.00 d.t. Core Angle: 90 2.00 t.t.)

FROM:	48.30	-----	WESTINGS:	7.38
			SOUTHINGS:	3.00
			ELEVATION:	966.40
	4600.000	Au ppb		
	36.850	Ag ppm		
	946.500	Pb ppm		
	78.500	Cu ppm		

TO:	50.30	-----	WESTINGS:	7.38
			SOUTHINGS:	3.00
			ELEVATION:	964.40

2. 11.2 ( 7.00 d.t. Core Angle: 90 7.00 t.t.)

FROM:	56.30	-----	WESTINGS:	7.38
			SOUTHINGS:	3.00
			ELEVATION:	958.40
	1014.286	Au ppb		
	9.186	Ag ppm		
	157.429	Pb ppm		
	105.429	Cu ppm		

TO:	63.30	-----	WESTINGS:	7.38
			SOUTHINGS:	3.00
			ELEVATION;	951.40

3. 11.3 ( 2.00 d.t. Core Angle: 90 2.00 t.t.)

FROM:	61.30	-----	WESTINGS:	7.38
			SOUTHINGS:	3.00
			ELEVATION:	953.40
	1862.500	Au ppb		
	18.050	Ag ppm		
	363.000	Pb ppm		
	99.500	Cu ppm		

TO:	63.30	-----	WESTINGS:	7.38
			SOUTHINGS:	3.00
			ELEVATION:	951.40

=====  
4. 11.4 (17.00 d.t. Core Angle: 90 17.00 t.t.)

FROM: 68.30	-----	WESTINGS:	7.38
		SOUTHINGS:	3.00
		ELEVATION:	946.40
169.200 Au	ppb		
1.121 Ag	ppm		
4.035 Pb	ppm		
79.694 Cu	ppm		

TO: 85.30	-----	WESTINGS:	7.38
		SOUTHINGS:	3.00
		ELEVATION:	929.40

5. 11.5 ( 3.00 d.t. Core Angle: 90 3.00 t.t.)

FROM: 89.30	-----	WESTINGS:	7.38
		SOUTHINGS:	3.00
		ELEVATION:	925.40
169.667 Au	ppb		
1.433 Ag	ppm		
3.000 Pb	ppm		
119.000 Cu	ppm		

TO: 92.30	-----	WESTINGS:	7.38
		SOUTHINGS:	3.00
		ELEVATION:	922.40

6. 11.6 ( 5.00 d.t. Core Angle: 90 5.00 t.t.)

FROM: 101.30	-----	WESTINGS:	7.38
		SOUTHINGS:	3.00
		ELEVATION:	913.40
207.200 Au	ppb		
0.800 Ag	ppm		
5.000 Pb	ppm		
94.600 Cu	ppm		

TO: 106.30	-----	WESTINGS:	7.38
		SOUTHINGS:	3.00
		ELEVATION:	908.40

AVERAGED ASSAY INTERVALS  
PROPERTY: SADIM  
HOLE No: 11

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7. 11.7 ( 6.00 d.t. Core Angle: 90 6.00 t.t.)

FROM: 107.30 -----	WESTINGS:	7.38
	SOUTHINGS:	3.00
	ELEVATION:	907.40
1036.500 Au ppb		
11.433 Ag ppm		
187.500 Pb ppm		
225.333 Cu ppm		

TO: 113.30 -----	WESTINGS:	7.38
	SOUTHINGS:	3.00
	ELEVATION:	901.40

8. 11.8 ( 4.00 d.t. Core Angle: 90 4.00 t.t.)

FROM: 107.30 -----	WESTINGS:	7.38
	SOUTHINGS:	3.00
	ELEVATION:	907.40
1396.250 Au ppb		
15.400 Ag ppm		
264.500 Pb ppm		
310.000 Cu ppm		

TO: 111.30 -----	WESTINGS:	7.38
	SOUTHINGS:	3.00
	ELEVATION;	903.40



I. M. WATSON & ASSOCIATES LTD

DIAMOND DRILL LOG

PROPERTY: SADIM

HOLE No.: 12

Collar Westings: 7.38

Collar Southings: 3.25

Collar Elevation: 1012.50

Collar Inclination: -90.00

Grid Bearing: 0.00

Final Depth: 108.51

Logged by: IMW  
Date: SEPT. 1987

Down-hole Survey:

FROM	TO	LITHOLOGICAL DESCRIPTION	FROM	TO	WIDTH	ASSAYS				Sample #
						Au ppb	Ag ppm	Pb ppm	Cu ppm	
0	3.4	OVERBURDEN								
3.4	13.17	TUFF/BX	3.40	5.00	1.60	1	0.1	6	87	16231
		PURPLE F-CRSE. (LAPILLI), POLYLITHIC; DOM. PURPLE & MAROON	5.00	6.00	1.00	1	0.1	3	72	16232
		FRAGS. IN F. MATRIX, LOCALLY GREEN CHLORITIC, COARSEST ZONES	6.00	7.00	1.00	1	0.1	2	95	16233
		WITH CLASTS TO 1.0 CM. SCATTERED, IRREG. (QTZ.) CARB. HEALED	7.00	8.00	1.00	1	0.1	3	62	16234
		TENSION FRACTS., DOM. TRENDS 35/CA & 20-25/CA - SOME RUST	8.00	9.00	1.00	3	0.1	2	49	16235
		STAINED 3.65 - 4.0 - BROKEN, GOUGEY	9.00	10.00	1.00	1	0.1	9	54	16236
		FAULT	10.00	11.00	1.00	1	0.1	5	60	16237
		9.0 - 9.9 - GREEN, CHL. ZONE, INCL. GOUGE FILLED FRACT.	11.00	12.00	1.00	1	0.1	2	47	16238
		FRACTS. @ 9.7 - 9.9	12.00	13.00	1.00	3	0.1	3	13	16239
		12.25 - 12.4 - GOUGE, PALE CREAMY BUFF, CONTAINING MINOR QTZ. FRAGS.								
		RECOVERY 94%								
13.17	17.3	TUFF	13.00	14.00	1.00	5	0.1	2	61	16240
		SIMILAR TO ABOVE IN TEXTURE, BUT VARIABLY ALT. COLOUR RANGES	14.00	15.00	1.00	1	0.1	5	18	16241
		FROM PURPLE BROWN (FRESH) TO PALE GREY-BUFF (SER./CARB.) IN	15.00	16.00	1.00	1	0.1	7	40	16242
		ALTERATION ZONES.	16.00	17.00	1.00	1	0.1	5	75	16243
		FRACTS. IRREG., LOCALLY INTENSE CAUSING SHATTERING & SHEARING								
		ALT. ZONES								
		@ 13.7 - 13.85; 14.7 - 15.2; 15.6 - 15.91; FRACT. ZONE								
		14.2 - 14.5 (X SETS IRREG. TENSION FRACTS.)								
		14.6 - GOUGE FILLED SLIP @ 30/CA								
		RECOVERY 97%								
17.3	26.2	TUFF, ALTERED	17.00	18.00	1.00	205	0.9	6	39	16244
		INTENSELY ALTERED TUFF/BX. ORIG. TEXTURE OBSCURED WHERE ALT.	18.00	19.00	1.00	3740	24.5	1217	134	16245
		COMPLETE (SER./CARB./PY/QTZ) PALE BUFF, MOTTLED PURPLE P. GR.,	19.00	20.00	1.00	510	2.8	133	33	16246
		FINELY WGLY. TO MOD. PYRITISED ADJ. TO QTZ. HEALED FRACTS.	20.00	21.00	1.00	1280	7.3	65	105	16247
		QTZ. VNS.	21.00	22.00	1.00	136	0.8	11	56	16248
		17.60 1 CM. 75/CA WITH PY IRREG. P. XTAL CLUSTERS ALONG VN.	22.00	23.00	1.00	1585	14.4	338	44	16249
		MARGIN - TRACES V.P. PbS	23.00	24.00	1.00	8	0.1	9	9	16250
			24.00	25.00	1.00	24	0.3	13	10	16251

I. M. WATSON & ASSOCIATES LTD

DIAMOND DRILL LOG

PROPERTY: SADIM  
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FROM	TO	LITHOLOGICAL DESCRIPTION	ASSAYS							
			FROM	TO	WIDTH	Au ppb	Ag ppm	Pb ppm	Cu ppm	Sample #
		18.2 - 19.2 - 2 CMS. IRREG., LAMINATED (SER. PARTINGS) 5/CA. CONTAINS SCATTERED PY & Pbs - APPROX. 3% MIXED SULPH. - IN HIGHLY SHEARED SER. SCHISTOSE TUFF	25.00	26.00	1.00	1	0.1	2	26	16252
		19.4 - 19.5 - WKLY. PYRITISED								
		22.0 - 22.63 - SHATTERED, FINELY VUGGY QTZ./CARB. WITH MINOR V.F. DISSEM. PY CENTRAL 'PARTING' (22.17 - 22.38)								
		FRACTS. 19.2 - 19.9 - HIGHLY SHEARED, SLIPS @ 15-20/CA 19.93 - 20.65 - PALE GREEN/MAROON HIGHLY SERICITISED. FRACT. & SHEARED, PATCHY F. PY; 22.6 - 22.9 - GREEN GOUGE, FAULT 22.9 - 23.1 - CHL. SLIP/FAULT @ 12/CA								
		RECOVERY 95%								
26.2	63.2	ALTERATION ZONE	26.00	27.00	1.00	5515	40.5	1083	564	16253
		PERVASIVELY ALTERED TUFF (CARB. SER. QTZ.) DOM. PALE BUFF, LOCALLY WELY. MOTTLED PURPLE/PALE GREEN (INCOMPLETELY ALT. TUFF). ORIG. TEXTURE ALMOST WHOLLY OBTURED, SOME 'SHADOW' REMNANTS OF CLASTS. (FAIRLY MASS. & REL. UNDEFORMED COMPARED WITH ALTERATION ZONES IN TRENCHES & OTHER HOLES).	27.00	28.00	1.00	230	1.0	10	71	16254
			28.00	29.00	1.00	215	1.0	9	53	16255
			29.00	30.00	1.00	1880	13.2	261	107	16256
			30.00	31.00	1.00	765	5.5	27	83	16257
			31.00	32.00	1.00	11	0.1	5	45	16258
			32.00	33.00	1.00	5	0.1	3	8	16259
			33.00	34.00	1.00	80	0.7	2	77	16260
		PY PATCHILY DISSEM. ADJ. TO QTZ. HEALED FRACTS. (FRACTS. NOT AS EXTENSIVE AS USUAL IN ALT. ZONES) @	34.00	35.00	1.00	70	0.5	4	90	16261
		26.69 - 26.97 - QTZ. VN. BROKEN - APPROX. 2% FINE Pbs & PY ALONG FRACTS. 2 CMS. GOUGE CLAY @ UPPER CONTACT.	35.00	36.00	1.00	680	5.4	766	153	16262
			36.00	37.00	1.00	54	0.3	14	101	16263
		29.4 - 29.7 - GOUGE/SHATTER ZONE	37.00	38.00	1.00	1865	13.2	43	159	16264
		30.18 - 30.2 - 0.6 M. CORE LOSS (TUBE FAILED TO LOCK)	38.00	39.00	1.00	1940	18.0	133	141	16265
			39.00	40.00	1.00	235	1.5	?	106	16266
		QTZ. VNS. 35.18 (1 CM.) @ 40/CA (PY)	40.00	41.00	1.00	690	5.8	11	184	16267
			41.00	42.00	1.00	625	4.6	5	81	16268
		35.3 - 35.5 - (PY, Pbs) 25/CA	42.00	43.00	1.00	280	2.6	8	86	16269
		36.4 - (1 CM.) APPROX. 35/CA	43.00	44.00	1.00	350	2.4	6	56	16270
		37.4 - 37.68 - (1 CM.) 10/CA	44.00	45.00	1.00	230	1.5	6	64	16271
		38.25 - 38.9 - APPROX. 10 COALESCING PYRITISED QTZ. STRINGERS HEAVILY FLANKED BY APPROX. 5-7% PY IN HOST. ATTITUDES PARALLEL /CA TO 40/CA	45.00	46.00	1.00	625	4.6	7	58	16272
			46.00	47.00	1.00	460	2.9	10	49	16273
			47.00	48.00	1.00	182	1.1	10	83	16274
		39.96 - 40.1 - 1 CM. 2-PHASE QTZ. VWLT. (1 CM.) CONTAINING F. PY 30/CA	48.00	49.00	1.00	230	1.8	8	84	16275
			49.00	50.00	1.00	215	2.3	10	115	16276
		40.2 - 40.7 - IRREG. QTZ. STRINGERS 40/CA, CUT & DISPL. (0.5 CMS.) BX X-FRACTS @ 70 DEG./CA	50.00	51.00	1.00	770	8.0	21	56	16277
			51.00	52.00	1.00	98	1.0	5	106	16278
		41.3 - 41.56 - 40/CA (TR. PY)	52.00	53.00	1.00	119	1.2	2	64	16279



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DIAMOND DRILL LOG

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FROM	TO	LITHOLOGICAL DESCRIPTION	FROM	TO	WIDTH	ASSAYS				Sample #
						Au ppb	Ag ppm	Pb ppm	Cu ppm	
RECOVERY 93%										
80.6	91.9	TUFF ALTERED	80.00	81.00	1.00	47	0.1	6	34	16307
		DN. BUFF F. GR. PHASE, AS ABOVE. FINELY FRACT., QTZ./CARB.	81.00	82.00	1.00	124	0.9	2	89	16308
		HEALED, SPARSELY PYRITISED AROUND VNS./FRACTS. - FRACT.	82.00	83.00	1.00	10	0.1	8	49	16309
		INTENSIFYING DOWN HOLE FROM APPROX. 87.0 M.	83.00	84.00	1.00	3	0.3	6	170	16310
		84.2 - 85.3 - SCATTERED SMALL QTZ. VNS. WITH MINOR PY, Tr. ccp	84.00	85.00	1.00	410	2.5	5	243	16311
		@ 84.22 (1 CM.);	85.00	86.00	1.00	23	0.1	5	26	16312
		84.55 - (1 CM.) 10/CA, Tr PY;	86.00	87.00	1.00	1	0.1	4	15	16313
		84.86 & 84.95 - (PY);	87.00	88.00	1.00	21	0.3	3	27	16314
		85.0 - (PY, IRREG.)	88.00	89.00	1.00	305	2.1	6	315	16315
		87.9 - 88.1 - GOUGE, BROKEN	89.00	90.00	1.00	107	0.2	6	87	16316
			90.00	91.00	1.00	141	0.6	7	45	16317
RECOVERY 95%										
91.9	95.3	FAULT/SHEAR ZONE	91.00	92.00	1.00	152	0.6	10	77	16318
		INTENSELY SHEARED ALT. TUFF; FOLTN. 55/CA BECOMING CLAY RICH	92.00	93.00	1.00	219	2.9	14	266	16319
		GOUGE @ 92.5	93.00	94.00	1.00	121	1.4	33	315	16320
			94.00	95.00	1.00	115	0.8	25	183	16321
95.3	108.51	LIMESTONE	95.00	96.00	1.00	480	4.0	83	111	16322
		UPPER 1.4 M. EXT. SHEARED, GOUGE	96.00	97.00	1.00	13	2.9	225	80	16323
		96.4 - 98.0 - PALE GREY F. GR., FINELY LAM. @ 65/CA	97.00	98.00	1.00	5	0.6	55	10	16324
		98.0 - 108.51 - DARK GREY LST.								
END OF HOLE										
CORE RECOVERY APPROX. 96%										
CASING LEFT IN HOLE										

=====

1. 12.1 (24.00 d.t. Core Angle: 90 24.00 t.t.)

FROM:	18.00 -----	WESTINGS:	7.38
		SOUTHINGS:	3.25
		ELEVATION:	994.50
	922.667 Au ppb		
	6.737 Ag ppm		
	173.792 Pb ppm		
	101.667 Cu ppm		

TO:	42.00 -----	WESTINGS:	7.38
		SOUTHINGS:	3.25
		ELEVATION:	970.50

2. 12.2 ( 5.00 d.t. Core Angle: 90 5.00 t.t.)

FROM:	18.00 -----	WESTINGS:	7.38
		SOUTHINGS:	3.25
		ELEVATION:	994.50
	1450.200 Au ppb		
	9.960 Ag ppm		
	352.800 Pb ppm		
	74.400 Cu ppm		

TO:	23.00 -----	WESTINGS:	7.38
		SOUTHINGS:	3.25
		ELEVATION:	989.50

3. 12.3 ( 3.00 d.t. Core Angle: 90 3.00 t.t.)

FROM:	18.00 -----	WESTINGS:	7.38
		SOUTHINGS:	3.25
		ELEVATION:	994.50
	1843.333 Au ppb		
	11.533 Ag ppm		
	471.667 Pb ppm		
	90.667 Cu ppm		

TO:	21.00 -----	WESTINGS:	7.38
		SOUTHINGS:	3.25
		ELEVATION:	991.50

AVERAGED ASSAY INTERVALS  
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4. 12.4 ( 5.00 d.t. Core Angle: 90 5.00 t.t.)

FROM:	26.00 -----	WESTINGS:	7.38
		SOUTHINGS:	3.25
		ELEVATION:	986.50
	1721.000 Au ppb		
	12.240 Ag ppm		
	278.000 Pb ppm		
	175.600 Cu ppm		

TO:	31.00 -----	WESTINGS:	7.38
		SOUTHINGS:	3.25
		ELEVATION:	981.50

5. 12.5 ( 4.00 d.t. Core Angle: 90 4.00 t.t.)

FROM:	26.00 -----	WESTINGS:	7.38
		SOUTHINGS:	3.25
		ELEVATION:	986.50
	1960.000 Au ppb		
	13.925 Ag ppm		
	340.750 Pb ppm		
	198.750 Cu ppm		

TO:	30.00 -----	WESTINGS:	7.38
		SOUTHINGS:	3.25
		ELEVATION:	982.50

6. 12.6 ( 2.00 d.t. Core Angle: 90 2.00 t.t.)

FROM:	26.00 -----	WESTINGS:	7.38
		SOUTHINGS:	3.25
		ELEVATION:	986.50
	2872.500 Au ppb		
	20.750 Ag ppm		
	546.500 Pb ppm		
	317.500 Cu ppm		

TO:	28.00 -----	WESTINGS:	7.38
		SOUTHINGS:	3.25
		ELEVATION:	984.50

=====

7. 12.7 (20.00 d.t. Core Angle: 90 20.00 t.t.)

FROM: 35.00 -----	WESTINGS: 7.38
	SOUTHINGS: 3.25
	ELEVATION: 977.50
534.450 Au ppb	
4.310 Ag ppm	
58.700 Pb ppm	
116.600 Cu ppm	

TO: 55.00 -----	WESTINGS: 7.38
	SOUTHINGS: 3.25
	ELEVATION: 957.50

8. 12.8 ( 7.00 d.t. Core Angle: 90 7.00 t.t.)

FROM: 35.00 -----	WESTINGS: 7.38
	SOUTHINGS: 3.25
	ELEVATION; 977.50
869.857 Au ppb	
6.971 Ag ppm	
139.857 Pb ppm	
132.143 Cu ppm	

TO: 42.00 -----	WESTINGS: 7.38
	SOUTHINGS: 3.25
	ELEVATION: 970.50

9. 12.9 ( 5.00 d.t. Core Angle: 90 5.00 t.t.)

FROM: 37.00 -----	WESTINGS: 7.38
	SOUTHINGS: 3.25
	ELEVATION: 975.50
1071.000 Au ppb	
8.620 Ag ppm	
39.800 Pb ppm	
134.200 Cu ppm	

TO: 42.00 -----	WESTINGS: 7.38
	SOUTHINGS: 3.25
	ELEVATION: 970.50

AVERAGED ASSAY INTERVALS  
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10. 12.10 ( 2.00 d.t. Core Angle: 90 2.00 t.t.)

FROM: 37.00 -----	WESTINGS: 7.38
	SOUTHINGS: 3.25
	ELEVATION: 975.50
1902.500 Au ppb	
15.600 Ag ppm	
88.000 Pb ppm	
150.000 Cu ppm	

TO: 39.00 -----	WESTINGS: 7.38
	SOUTHINGS: 3.25
	ELEVATION: 973.50

11. 12.11 ( 8.00 d.t. Core Angle: 90 8.00 t.t.)

FROM: 88.00 -----	WESTINGS: 7.38
	SOUTHINGS: 3.25
	ELEVATION: 924.50
205.000 Au ppb	
1.575 Ag ppm	
23.000 Pb ppm	
174.875 Cu ppm	

TO: 96.00 -----	WESTINGS: 7.38
	SOUTHINGS: 3.25
	ELEVATION: 916.50





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DIAMOND DRILL LOG

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FROM	TO	LITHOLOGICAL DESCRIPTION	ASSAYS							
			FROM	TO	WIDTH	Au ppb	Ag ppm	Pb ppm	Cu ppm	Sample #
		18.55 18.65 GOUGE 35/CA, MINOR V.F. PY								
		19.10 19.35 GOUGE								
		RECOVERY 95%								
19.7	26.5	TUFF/BX	19.50	20.50	1.00	39	0.2	5	16	16342
		DOM. PURPLE, AS SECTION (6.9 - 18.0) ABOVE, INCREASINGLY	20.50	21.50	1.00	11	0.1	2	13	16343
		FRACT./SHEARED DOWN HOLE, INCLUDES NARROW ALT. ZONE 24.9 -	21.50	22.50	1.00	6	0.1	2	28	16344
		25.4 APPROX. 3% DISSEM. PY. QTZ. VNLT. @ 25.2 (APPROX. 0.5	22.50	23.50	1.00	7	0.1	4	109	16345
		CMS.) @ 35/CA (PARALLELS FOLTN.)	23.50	24.50	1.00	6	0.2	5	116	16346
		20.4 - 20.73 - BROKEN, GOUGE	24.50	25.50	1.00	79	0.5	8	89	16347
		21.6 - 21.7 - BROKEN, GOUGE	25.50	26.50	1.00	9	0.1	4	37	16348
		23.3 - 23.9 - INTENSE TIGHT FRACTS., RANDOMLY ORIENTED,								
		INCLUDING GOUGE @ 23.8 - 23.9								
		RECOVERY 97%								
26.5	29.0	ALTERATION ZONE/QTZ. VN.	26.50	27.50	1.00	3020	31.7	100	302	16349
		RUSTY BROKEN, AS ABOVE	27.50	28.50	1.00	1510	9.5	14	226	16350
		QTZ. VN.								
		26.7 - 27.7 IN BLEACHED, SER. TUFF, PYRITISED (APPROX. 5-7%)								
		CONTACTS VAGUE, 35/CA. (27.7 - 29.0) QTZ. VN. FRAGS. RUSTY								
		WITH SPARSE P. SULPHIDES (PY, POSS. Pbs) ALONG CONTACTS								
		28.6 - 1 CM. QTZ. VN. WITH PY @ 20/CA								
		RECOVERY 90%+								
29.0	70.22	TUFF/BX	28.50	29.50	1.00	112	0.7	5	68	16351
		PURPLE, SIM. TO ABOVE. WKLY. ALTERED - LOCAL NARROW ZONES OF	29.50	30.50	1.00	7	0.1	3	23	16352
		BLEACHING/PYRITISATION ADJ. TO FRACTS./QTZ. VNS. FRACTURES,	30.50	31.50	1.00	9	0.2	7	101	16353
		ERRATIC, IRRBG. QTZ. CARB. HEALED, DOM. TREND 40/CA	31.50	32.50	1.00	4	0.1	4	40	16354
			32.50	33.50	1.00	51	0.1	2	30	16355
		ALTERATION ZONES @	33.50	34.50	1.00	5	0.1	2	36	16356
		31.5 - 32.1 - RUSTY SLIPS 20-50/CA	34.50	35.50	1.00	4	0.1	6	28	16357
		32.8 - 35.5 - WK. ALTERATION ZONE. FINE WKLY. DISSEM. PY	35.50	36.50	1.00	4	0.1	4	26	16358
		SLIGHT BLEACHING ALONG QTZ. HEALED FRACTS. @ 33.3 (25/CA)	36.50	37.50	1.00	7	0.6	2	178	16359
		34.5; 35.3; 35.35; 35.39 (80/CA);	37.50	38.50	1.00	1	0.1	2	23	16360
		36.73 - 36.93 - ALONG GOUGE FILLED SLIP @ 25/CA - MINOR QTZ.	38.50	39.50	1.00	5	0.2	5	79	16361
		PY;	39.50	40.50	1.00	3	0.3	5	269	16362
		38.1 - 38.22 - SLIP 50/CA;	40.50	41.50	1.00	1	0.1	6	247	16363

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## DIAMOND DRILL LOG

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FROM	TO	LITHOLOGICAL DESCRIPTION	ASSAYS							
			FROM	TO	WIDTH	Au ppb	Ag ppm	Pb ppm	Cu ppm	Sample #
39.8	40.9	BROAD MOTTLED ZONE (PURPLE/BUFF) ADJ. TO SERICITE	41.50	42.50	1.00	3	0.2	8	110	16364
		SCHISTOSE SLIP/FRACT. ZONE 40.07 - 40.4 @ 25/CA	42.50	43.50	1.00	6	0.1	4	170	16365
43.0	44.0	CHL. SLIPS 25/CA	43.50	44.50	1.00	11	0.2	3	114	16366
45.0	45.2	CHL. SLIPS 30/CA	44.50	45.50	1.00	7	0.1	7	176	16367
46.58	46.61	CHL./SER. GOUGE 35/CA	45.50	46.50	1.00	5	1.0	4	140	16368
47.9	70.22	INCRBASINGLY GREEN COLOUR - EPIDOTE AS IRREG. BLEBS, PATCHES INCR. IN SIZE DOWN HOLE	46.50	47.50	1.00	16	0.1	5	57	16369
			47.50	48.50	1.00	3	0.1	2	47	16370
50.5	51.0	OPEN IRREG., SLIP 5-10/CA	48.50	49.50	1.00	2	0.2	4	18	16371
52.2	53.3	QTZ.CARB. HEALED SLIP 30/CA	49.50	50.50	1.00	3	0.1	6	14	16372
53.2	53.3	SLIP + GOUGE APPROX. 5-10/CA	50.50	51.50	1.00	8	0.3	5	38	16373
53.8	53.8	QTZ./CARB./CHL. VN. 85/CA	51.50	52.50	1.00	12	0.2	3	93	16374
54.5	54.6	WK. ALT. ZONE, BLEACHED. MINOR F. PY	52.50	53.50	1.00	9	0.5	3	88	16375
56.1	56.72	SLIP/GOUGE ZONE APPROX. 15 DEG./CA	53.50	54.50	1.00	15	0.1	3	64	16376
56.72	58.2	WK. ALT. ZONE REL. TO NUMEROUS QTZ. HEALED FRACTS. MAINLY @ 50/CA (ALL LESS THAN 1 CM.); ERRATIC F. PY THROUGHOUT ZONE	54.50	55.50	1.00	4	0.1	5	46	16377
			55.50	56.50	1.00	25	0.1	3	76	16378
			56.50	57.50	1.00	59	0.4	6	126	16379
58.8	61.0	NUMEROUS CARB./QTZ. RAMIFYING STRINGERS HEALING SHATTER ZONE FRACTS., LOCALLY MINOR BRCCCIATION. A FEW LARGER (APPROX. 1 CM.) LATER VNS. - E.G. 59.0 @ 65/CA	57.50	58.50	1.00	60	0.2	8	178	16380
			58.50	59.50	1.00	11	0.1	6	415	16381
			59.50	60.50	1.00	5	0.3	4	124	16382
60.2	60.4	SLIP/GOUGE 25/CA	60.50	61.50	1.00	4	0.1	11	60	16383
61.5	61.9	SHATTER/GOUGE ZONE	61.50	62.50	1.00	8	0.2	5	170	16384
62.4	62.6	GOUGE, BROKEN CORE	62.50	63.50	1.00	7	0.4	2	339	16385
62.7	63.2	SHATTER/FRACT. BY ZONES CARB. HEALED	63.50	64.50	1.00	3	0.1	6	58	16386
64.5	65.0	DK. GREEN, MOTTLED CHL. ZONE	64.50	65.50	1.00	93	0.7	10	177	16387
67.2	67.5	SHEAR/SLIP ZONE 15/CA	65.50	66.50	1.00	7	0.4	2	40	16388
67.5	68.9	EPIDOTE RICH ZONE - STRONG PERVASIVE EPIDOTE	66.50	67.50	1.00	2	0.2	3	79	16389
			67.50	68.50	1.00	2	0.5	2	69	16390
RECOVERY 96%			68.50	70.20	1.70	4	0.6	4	111	16391

EOH  
RECOVERY 96%  
CASING LEFT IN HOLE

AVERAGED ASSAY INTERVALS

PROPERTY: sadim

HOLE No: 13

=====

1. 13.1 ( 2.00 d.t. Core Angle: 90 2.00 t.t.)

FROM:	26.50 -----	WESTINGS:	6.61
		SOUTHINGS:	1.85
		ELEVATION:	1013.00
	2265.000 Au ppb		
	20.600 Ag ppm		
	57.000 Pb ppm		
	264.000 Cu ppm		
TO:	28.50 -----	WESTINGS:	6.61
		SOUTHINGS:	1.85
		ELEVATION:	1011.00

I. M. WATSON & ASSOCIATES LTD

DIAMOND DRILL LOG

PROPERTY: SADIM

HOLE No.: 14

Collar Westings: 7.37

Collar Southings: 3.50

Collar Elevation: 1009.50

Collar Inclination: -90.00

Grid Bearing: 0.00

Final Depth: 99.67

Logged by: IMW

Date: SEPT. 1987

Down-hole Survey:

FROM	TO	LITHOLOGICAL DESCRIPTION	FROM	TO	WIDTH	ASSAYS				Sample #
						Au ppb	Ag ppm	Pb ppm	Cu ppm	
0	3.96	OVERBURDEN								
3.96	12.10	TUFF	3.96	5.50	1.54	3	0.1	6	17	16392
		PURPLE, F. GR., FINELY BEDDED, MINOR NARROW BANDS	5.50	6.50	1.00	1	0.1	8	226	16393
		POLYLITHIC BX. UPPER 4 M. WEATHERED IN PART, PARTIC. ALONG	6.50	7.50	1.00	7	0.1	9	77	16394
		FRACTS. & IN STRONG SHEAR ZONES. CALCAREOUS, RANDOM IRREG.	7.50	8.50	1.00	4	0.1	9	34	16395
		CARB. HEALED FRACTS.	8.50	9.50	1.00	2	0.1	4	20	16396
		3.96 - 6.0 - MAINLY BROKEN CORE, INCL. RUSTY CLAY GOUGE	9.50	10.50	1.00	1	0.1	7	23	16397
		@ 4.07 - 4.26 & 5.49 - 6.0 (FAULTS)	10.50	11.50	1.00	87	0.2	4	23	16398
		6.85 - 7.62 - CLAY, PARTLY RUSTY GOUGE.								
		7.62 - 9.0 - HIGHLY DECOMPOSED, WEATH., SOFT., CLAYEY								
		TEXTURE.								
		8.9 - BEDS @ 50/CA; 11.8 - 45/CA								
		11.3 - QTZ. VN. 0.5 CM. @ 35/CA, WITH 2 CM. ALT. HALO								
		(BLEACHING, SPARSE V.F. DISSEM. PY). TUFF COARSENING FROM								
		11.5, CUT BY STEEP CARB. HEALED FRACTS.								
		RECOVERY 94%								
12.10	14.94	CALCAROUS BX	11.50	12.50	1.00	3	0.9	6	44	16399
		HIGHLY SHEARED & ALTERED. (CARB., SER., BLEACHED)	12.50	13.50	1.00	66	0.3	14	69	16400
		RECOVERY 95%	13.50	14.50	1.00	4	0.1	5	35	16401
14.94	18.75	ALTERATION ZONE	14.50	15.50	1.00	26	0.1	17	9	16402
		PALE GREY - CREAMY BUFF, TO PALE PURPLE INTENSELY SHEARED &	15.50	16.50	1.00	121	0.3	13	8	16403
		ALT. (SER./CARB.?) F. GR. TUFF CONTAINING NARROW GRIT/BX BANDS.	16.50	17.50	1.00	78	0.4	9	16	16404
		LATTER TEND TO BE LESS ALTERED, ORIG. TEXTURE OBVIOUS.	17.50	18.50	1.00	205	1.3	7	144	16405
		NUMEROUS QTZ./CARB. HEALED RAMIFYING FRACTS., DOM. TREND								
		PARALLEL/POLTN. @ 30/CA, PY ERRATIC, F., REL. TO FRACTS.								
		15.15 - 15.25 - QTZOSE CLAY GOUGE								
		15.83 - 16.85 - GOUGE/SHEARED, BLEACHED TUFF. SPARSE F. PY.								
		17.6 - 17.8 - GOUGE 2-3% F. PY.								
		18.1 - 18.65 - GOUGE, INCL. QTZ. VN. 18.45 - 18.56								
		RECOVERY 97%								
18.75	21.5	TUFF/BX. CALC.	18.50	19.50	1.00	81	0.4	13	68	16406
		PURPLE, GREY, BUFF MOTTLED TUFF, HIGHLY, BUT VARIABLY	19.50	20.50	1.00	240	1.2	32	36	16407



I. M. WATSON & ASSOCIATES LTD

DIAMOND DRILL LOG

PROPERTY: SADIM  
HOLE No.: 14

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FROM	TO	LITHOLOGICAL DESCRIPTION	FROM	TO	WIDTH	ASSAYS				Sample #
						Au ppb	Ag ppm	Pb ppm	Cu ppm	
33.58	45.4	TUFF	33.50	34.50	1.00	4	0.1	2	8	16421
		MODERATELY-STRONGLY ALT. VAR. GREEN, GREY-GREEN, GREY-PURPLE	34.50	35.50	1.00	205	1.3	14	22	16421
		TO BUFF, DEPENDING ON DEGREE OF ALTERATION. DOM. F. GR. NR.	35.50	36.50	1.00	240	1.7	9	67	16423
		MASS. (NO POLYLITHIC EX. PHASES) FINELY & TIGHTLY SHATTERED.	36.50	37.50	1.00	1	0.1	5	11	16424
		DK. LINED F. FRACTS. DISPL. DK. & LIGHT BANDS (UP TO 1 CM.	37.50	38.50	1.00	2	0.1	7	47	16425
		MOVEMENTS) NUMEROUS IRREG. FRACTS. BUT DOM. SET IS CARB.	38.50	39.50	1.00	1	1.0	5	14	16426
		HEALED @ 30/CA. PY SPARSE.	39.50	40.50	1.00	143	0.8	6	127	16427
			40.50	41.50	1.00	16	0.1	2	64	16428
		QTZ. VNS. @ 34.59 - 2CMS. BROKEN; 35.9 - 36.2 (PY);	41.50	42.50	1.00	1	0.1	4	39	16429
		41.5 - 41.6 - 45/CA	42.50	43.50	1.00	4	0.2	3	31	16430
		41.09 - 41.25 - SHEARED, GOUGE	43.50	44.50	1.00	1	0.2	2	103	16431
		41.5 - 1 CM. BROKEN QTZ. VN. + GOUGE								
		RECOVERY 97%								
45.4	91.14	ALTERATION ZONE	44.50	45.50	1.00	148	0.7	2	74	16432
		AS ABOVE (33.58 - 45.4) BUT WHOLLY ALTERED TO PALE BUFF GREY;	45.50	46.50	1.00	520	3.5	6	77	16433
		REL. ABUND. QTZ. AS VNS. & STRINGERS, PYRITE FINELY SPECKLED	46.50	47.50	1.00	1300	8.6	2	76	16434
		THROUGHOUT, MOST INTENSE ADJ. TO LARGER QTZ. VNS. - OVERALL	47.50	48.50	1.00	32	0.3	3	85	16435
		5%, LOCALLY 7-10%. ALSO NUMEROUS RAMIPTING DK. (CHL?) FINE	48.50	49.50	1.00	500	4.3	4	109	16436
		FRACTS., AS IN SCTN. ABOVE BUT DIMINISHING BELOW 60 M.	49.50	50.50	1.00	810	6.6	33	82	16437
			50.50	51.50	1.00	1920	16.4	6	60	16438
		QTZ. VNS.	51.50	52.50	1.00	1620	15.7	11	143	16439
		45.45 - 45.55 - 40/CA;	52.50	53.50	1.00	1360	15.2	96	279	16440
		46.3 - 1 CM. 52/CA.	53.50	54.50	1.00	1290	13.9	185	348	16441
		46.7 & 46.84 - IRREG. QTZ. VNS., SEGS. (LESS THAN 1 CM.)	54.50	55.50	1.00	740	5.8	74	122	16442
		46.97 - 47.02 - IRREG.;	55.50	56.50	1.00	1100	9.1	31	2100	16443
		47.36 - 47.39 - STRINGERS 60/CA	56.50	57.50	1.00	390	2.8	11	18	16444
		47.55 - BROKEN VN. APPROX. 1 CM.	57.50	58.50	1.00	1120	9.0	15	57	16445
		48.7 - 49.4 - NUMEROUS SMALL, IRREG. STRINGERS SPARSE F. PY.	58.50	59.50	1.00	2100	13.7	13	101	16446
		49.4 - 49.9 - BROKEN, ABUND. DK. CHLORITIC? IRREG. F.	59.50	60.50	1.00	1070	6.8	11	76	16447
		PARTINGS FINELY DUSTED WITH SULPHIDES. UPPER CONTACT 45/CA.	60.50	61.50	1.00	500	3.4	6	105	16448
		49.9 - 50.0 - NUMEROUS PARALLEL STRINGERS (FRACTS.) 10/CA.	61.50	62.50	1.00	5	0.1	4	50	16449
		50.13 - 50.5 - PY WK., STRONGEST ALONG DK. CHL? PARTINGS	62.50	63.50	1.00	49	0.3	3	62	16450
		51.35 - 51.8 - AS ABOVE, PY ALONG F. DK. PARTINGS, 10/CA	63.50	64.50	1.00	220	1.2	2	94	16451
		51.9 - 52.43 - NUMEROUS STRINGERS, FRACT. REL. SEGREGATIONS	64.50	65.50	1.00	14	0.1	3	124	16452
		+ WK. PY.	65.50	66.50	1.00	37	0.2	4	84	16453
		52.5 - 53.7 - APPROX. 70% QTZ. - IRREG., MILKY, ILL-DEFINED	66.50	67.50	1.00	31	0.3	2	119	16454
		VNS./SEGS. CONTAINING IRREG. REMNANT OF HOST ROCK WISPS &	67.50	68.50	1.00	1	0.1	2	23	16455
		SHARDS OF DK. CHL. FINELY PYRITISED.	68.50	69.50	1.00	260	1.3	3	47	16456
		54.9 - 55.45 - 30/CA (AS ABOVE)	69.50	70.50	1.00	9	0.2	2	48	16457
		56.0 - 57.7 - QTZ., FRACTURED @ 15/CA., IRREG. CONTACT @	70.50	71.50	1.00	58	0.7	2	145	16458
		45/CA EST. 80% QTZ.	71.50	72.50	1.00	41	0.3	2	49	16459

I. M. WATSON & ASSOCIATES LTD

DIAMOND DRILL LOG

PROPERTY: SADIM  
HOLE No.: 14

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FROM	TO	LITHOLOGICAL DESCRIPTION	ASSAYS							
			FROM	TO	WIDTH	Au ppb	Ag ppm	Pb ppm	Cu ppm	Sample #
		57.8 - 1 CM. QTZ. VN.	72.50	73.50	1.00	390	2.4	5	90	16460
		57.9 - 58.0 - 45/CA.	73.50	74.50	1.00	760	4.7	5	112	16461
		58.2 - 58.37 - ALL WITH SPARSE BUT FAIRLY CRSE. PY CLUSTERS ALONG DK. PARTINGS/FRACTS.	74.50	75.50	1.00	101	0.7	2	115	16462
		58.4 - 61.3 - APPROX. 60% QTZ. - IRREG. SEGS. AS ABOVE.	75.50	76.50	1.00	6	0.1	4	22	16463
		61.45 - 61.8 - (ALT. TUFF) CONTAINS WISPS SER? (BUFF) WITH SMALL BLEBS BRIGHT GREEN MARIPOSITE??	76.50	77.50	1.00	1	0.1	3	29	16464
		60.75 - 60.9 - 35/CA.	77.50	78.50	1.00	89	0.4	2	84	16465
		60.97 - 61.1 - 45/CA.	78.50	79.50	1.00	15	0.2	5	99	16466
		62.5 - GOUGE SLIP 45/CA.	79.50	80.50	1.00	230	1.6	3	132	16467
		66.7 - 66.9 - F.QTZ./CARB. HEALED FRACTS. 45/CA DOM. WITH CRSE. DISSEM. PY CLUSTERS.	80.50	81.50	1.00	495	7.3	41	62	16468
		67.0 - DIMINISHING QTZ. CONTENT/PY DOWNHOLE.	81.50	82.50	1.00	13	0.1	2	36	16469
		67.6 - 68.5 - BROKEN, SHEARED WITH GOUGE. MINOR QTZ.	82.50	83.50	1.00	118	0.9	5	100	16470
		70.3 - 70.7 - (APPROX. 0.18 M. CORE LOSS) SHEARED/GOUGE	83.50	84.50	1.00	47	0.4	2	73	16471
		70.8 - 71.3 - BROKEN, SHEARED	84.50	85.50	1.00	2	0.1	2	28	16472
		72.65 - 72.95 - BROKEN, FRACT., MINOR GOUGE	85.50	86.50	1.00	29	0.3	2	113	16473
		73.05 - 73.5 - BROKEN, FRACT., MINOR GOUGE + QTZ. STRINGERS	86.50	87.50	1.00	4	0.1	5	129	16474
		74.0 - 74.13 - BROKEN SHEARED QTZ. VN. + PY @ 45/CA. (CORE LOSS APPROX. 0.12 M.)	87.50	88.50	1.00	1	0.1	2	98	16475
		74.83 - 78.05 - 1 CM. VN., MINOR PY, CARB. FRINGED	88.50	89.50	1.00	1	0.1	4	64	16476
		79.5 & 79.8 - 79.9 - BROKEN, FRACT.	89.50	90.50	1.00	1	0.1	2	95	16477
		79.9 - 80.4 - SHATTERED - CHL./CARB. SLIPS & GOUGE								
		80.77 - 81.5 - FINELY SHATTERED/CARB. VNS. @ 40/CA								
		83.82 - 84.5 - SHEAR ZONE, GOUGE								
		84.7 - CREAMY QTZ. HAIR VNLT. COATED WITH V.F. BLACK METALLIC - SUB-METALLIC + V. MINOR PY (ccp?) - SIM. MINERAL @ 85.2 ON FRACT. SURFACE								
		86.8 - 87.4 - FRACTURE GOUGE ZONE (CORE LOSS 0.1 M.)								
		88.85 - 88.95 - BROKEN, GOUGE FRACTS.								
		90.65 - FRACTS. GOUGE (APPROX. 5 CMS.) @ 60/CA.								
		RECOVERY 97%								
91.14	97.38	FAULT	90.50	91.50	1.00	10	0.3	13	139	16478
		MAJOR SHEAR ZONE, GREY-DK. GREY SL. CALC. CLAY GOUGE UPPER CONTACT 80/CA. PALE GREY LST. FRAGS. IN GOUGE FROM 93.2	91.50	92.50	1.00	102	0.6	44	93	16479
		BLACK. LST. FRAGS. IN GOUGE FROM 94.8	92.50	93.50	1.00	15	1.7	178	83	16480
			93.50	94.50	1.00	22	2.0	102	71	16481
			94.50	95.50	1.00	18	1.4	102	42	16482
		RECOVERY 85%	95.50	96.50	1.00	10	0.9	47	44	16483



I . M . WATSON & ASSOCIATES LTD

DIAMOND DRILL LOG

PROPERTY: SADIM  
HOLE No.: 14

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FROM	TO	LITHOLOGICAL DESCRIPTION	FROM	TO	WIDTH	ASSAYS				Sample #
						Au ppb	Ag ppm	Pb ppm	Cu ppm	
97.38	99.67	LIMESTONE	96.50	97.50	1.00	7	0.6	80	19	16484
		PALE/DK. GREY, CRUDELY BEDDED 40/CA. GOUGE SHEAR ZONES @	97.50	98.50	1.00	24	3.6	956	177	16485
		77.6 - 98.4	98.50	99.67	1.17	8	1.1	68	53	16486

EOH  
RECOVERY 96%  
CASING LEFT IN HOLE

AVERAGED ASSAY INTERVALS  
PROPERTY: SADIM  
HOLE No: 14

=====

1. 14.1 ( 2.00 d.t. Core Angle: 90 2.00 t.t.)

FROM:	21.50 -----	WESTINGS:	7.37
		SOUTHINGS:	3.50
		ELEVATION:	988.00
	1023.000 Au ppb		
	8.700 Ag ppm		
	210.500 Pb ppm		
	59.000 Cu ppm		

TO:	23.50 -----	WESTINGS:	7.37
		SOUTHINGS:	3.50
		ELEVATION:	986.00

2. 14.2 (14.00 d.t. Core Angle: 90 14.00 t.t.)

FROM:	46.50 -----	WESTINGS:	7.37
		SOUTHINGS:	3.50
		ELEVATION:	963.00
	1096.571 Au ppb		
	9.157 Ag ppm		
	35.357 Pb ppm		
	261.143 Cu ppm		

TO:	60.50 -----	WESTINGS:	7.37
		SOUTHINGS:	3.50
		ELEVATION:	949.00

3. 14.3 (10.00 d.t. Core Angle: 90 10.00 t.t.)

FROM:	50.50 -----	WESTINGS:	7.37
		SOUTHINGS;	3.50
		ELEVATION:	959.00
	1271.000 Au ppb		
	10.840 Ag ppm		
	45.300 Pb ppm		
	330.400 Cu ppm		

TO:	60.50 -----	WESTINGS:	7.37
		SOUTHINGS:	3.50
		ELEVATION;	949.00

AVERAGED ASSAY INTERVALS  
PROPERTY: SADIM  
HOLE No: 14

=====

4. 14.4 ( 4.00 d.t. Core Angle: 90 4.00 t.t.)

FROM:	50.50	-----	WESTINGS:	7.37
			SOUTHINGS:	3.50
			ELEVATION:	959.00
	1547.500	Au ppb		
	15.300	Ag ppm		
	74.500	Pb ppm		
	207.500	Cu ppm		

TO:	54.50	-----	WESTINGS:	7.37
			SOUTHINGS:	3.50
			ELEVATION:	955.00

I. M. WATSON & ASSOCIATES LTD

DIAMOND DRILL LOG

PROPERTY: SADIM

HOLE No.: 15

Collar Westings: 6.32

Collar Southings: 2.14

Collar Elevation: 1039.50

Collar Inclination: -45.00

Grid Bearing: 360.00

Final Depth: 65.23

Logged by: IMW

Date: SEPT. 1987

Down-hole Survey:

FROM	TO	LITHOLOGICAL DESCRIPTION	FROM	TO	WIDTH	ASSAYS				Sample #
						Au ppb	Ag ppm	Pb ppm	Cu ppm	
0	4.88	OVERBURDEN								
4.88	33.3	TUFF/BX	4.88	6.00	1.20	1	0.1	9	29	16487
		CALC. TUFF/IMPURE LMST., INTERLAYERED WITH LST./VOLC. BX.,	6.00	7.00	1.00	1	0.4	5	104	16488
		LATTER DOMINATING DOWNHOLE. LOCALLY LST. FORMS DISCRETE	7.00	8.00	1.00	1	0.2	4	19	16489
		BANDS & MASSES OF 'COALBSCING' FRAGS. OF SIM. COMP. BUT	8.00	9.00	1.00	2	0.3	6	34	16490
		VARYING SIZE (0.05 CMS. - 3 CMS.). FROM APPROX. 20.5 M. MAINLY	9.00	10.00	1.00	3	0.1	5	9	16491
		LST./VOLC. BX., ELONGATED PALE GREY LST. CLASTS IN PURPLE VOLC.	10.00	11.00	1.00	2	0.1	6	13	16492
		MATRIX.	11.00	12.00	1.00	3	0.1	7	10	16493
		4.88 - 6.0 - PINKISH BUFF, MED. GR. TUFF CUT BY NUMEROUS	12.00	13.00	1.00	1	0.1	8	7	16494
		BLUEY GREY QTZ. CARB. HEALED TENSION FRACTS. DOM. @ 25/CA	13.00	14.00	1.00	1	0.2	297	38	16495
		6.0 - 7.0 - DOM. PURPLE TUFF, STREAKED BY CALC. VNS./PARTINGS	14.00	15.00	1.00	1	0.2	8	30	16496
		APPROX. 30/CA	15.00	16.00	1.00	2	0.1	6	14	16497
		7.0 - 8.45 - RUSTY DOM. CALC. TUFF, FRACT. PLANES HEAVILY	16.00	17.00	1.00	1	0.1	7	44	16498
		STIPPLED BY DK. DENDRITIC Mn?	17.00	18.00	1.00	1	0.1	4	49	16499
		8.45 - 9.10 - MR. MASS. PALE GREY 'LST'	18.00	19.00	1.00	3	0.1	4	23	16500
		9.10 - 10.5 - LST. BX; DOM. GREY SEMI ROUNDED CALC. CLASTS,	19.00	20.00	1.00	1	1.0	6	40	16501
		CLOSELY PACKED IN PURPLE VOLC. MATRIX	20.00	21.00	1.00	1	0.2	6	33	16502
		10.5 - 20.5 - CHAOTIC MIXTURE TUFFS & LST./VOL. BX., F. MASS.,	21.00	22.00	1.00	1	0.2	4	29	16503
		BUT CUT BY NUMEROUS SMALL CARB. HEALED FRACTS. DOM. 50 - 70/CA	22.00	23.00	1.00	1	0.1	2	34	16504
		(SURFACE WEATH. ALONG OPEN FRACTS TO 11.5 M.)	23.00	24.00	1.00	1	0.1	9	56	16505
		20.5 - 33.3 - LST./VOLC. BX. ELONG. GREY CLASTS IN PURPLE	24.00	25.00	1.00	1	0.2	2	42	16506
		VOLC. MATRIX ELONG. @ 35/CA. MINOR GREEN AND. ZONES/FRAGS.	25.00	26.00	1.00	1	0.2	3	36	16507
		OVER LOWER 6 M.	26.00	27.00	1.00	1	0.1	3	40	16508
		RECOVERY 98%	27.00	28.00	1.00	1	0.1	6	28	16509
			28.00	29.00	1.00	1	0.1	8	40	16510
			29.00	30.00	1.00	1	0.2	5	16	16511
			30.00	31.00	1.00	2	0.1	7	19	16512
			31.00	32.00	1.00	1	0.1	2	73	16513
			32.00	33.00	1.00	6	0.1	6	34	16514
33.3	34.80	ALTERATION ZONE	33.00	34.00	1.00	9	0.1	5	15	16515
		CALC. TUFF BX., BLEACHED, (SER?)								
		33.30 - 33.55 - STRONG SHEAR/GOUGE. UPPER CONTACT ALONG SLIP								
		@ 45/CA. NO VIS. SULPHIDES								
		RECOVERY 97%								
34.80	43.2	TUFF	34.00	35.00	1.00	1	0.2	9	20	16516
		DOM. PURPLE, F. GR., MOD. CALC., CUT BY IRREG. SPACED CARB.	35.00	36.00	1.00	8	0.1	7	8	16517
		HEALED FRACTS. UP TO 1 CM. 45-70/CA	36.00	37.00	1.00	1	0.2	7	23	16518





**APPENDIX 2**  
**GEOCHEMICAL ANALYTICAL REPORTS**

## GEOCHEMICAL ICP ANALYSIS

.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 CA P LA CR MG BA TI B W AND LIMITED FOR NA AND K. AU DETECTION LIMIT BY ICP IS 3 PPM.  
 - SAMPLE TYPE: Rock Chips      ANALYSIS BY AA FROM 10 GRAM SAMPLE.

DATE RECEIVED: JUNE 2 1987

DATE REPORT MAILED: *June 10/87*ASSAYER: *D. Toyes*...DEAN TOYE, CERTIFIED B.C. ASSAYER

I.M. WATSON &amp; ASSOCIATES

File # 87-1542

SAMPLE#	MO	CU	PB	ZN	AG	NI	CO	MN	FE	AS	U	AU	TH	SR	CD	SB	BI	V	CA	P	LA	CR	MG	BA	TI	B	AL	NA	K	W	AU*
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	%	PPM	PPM	%	PPM	%	%	%	%	%	%	PPM	PPM
SAD-067761	3	84	3	56	.2	11	15	1164	4.63	8	5	ND	1	37	1	2	3	20	5.06	.112	5	3	.09	204	.01	4	.58	.06	.18	1	1
SAD-067762	3	3	12	11	.3	3	2	384	.93	12	5	ND	1	724	1	2	6	4	28.31	.026	3	1	.21	19	.01	2	.05	.01	.02	3	7
SAD-067763	2	50	4	61	.2	16	16	990	4.94	4	5	ND	1	94	1	2	3	14	8.75	.113	6	4	.13	120	.01	2	.41	.06	.08	1	4
SAD-067764	4	80	5	79	.3	33	24	1010	6.56	11	5	ND	1	27	1	2	2	49	2.14	.095	7	15	.47	118	.01	5	1.09	.03	.10	1	13
SAD-067765	2	142	4	65	.3	13	18	1164	5.35	27	5	ND	1	121	1	2	2	49	5.80	.135	5	7	.90	209	.01	3	.78	.07	.14	1	1
SAD-067766	2	185	7	55	.2	20	16	1124	4.88	15	5	ND	1	58	1	2	2	25	3.60	.152	7	6	.15	413	.01	3	.44	.07	.12	1	1
SAD-067767	2	103	4	94	.2	20	34	1250	6.68	4	5	ND	1	20	1	2	2	29	3.26	.092	3	2	.15	108	.01	3	.61	.06	.16	1	1
SAD-067768	2	14	2	45	.1	2	8	996	3.84	2	5	ND	7	24	1	2	2	10	2.08	.190	28	1	.08	108	.01	3	.56	.05	.19	2	1
SAD-067769	1	9	3	99	.2	7	14	991	4.48	4	5	ND	1	46	1	2	2	19	8.78	.106	3	2	.27	254	.01	2	.38	.07	.16	1	1
SAD-067770	1	8	2	7	4.4	2	1	138	.52	2	5	ND	1	9	1	2	2	2	.27	.006	2	3	.09	365	.01	2	.02	.01	.02	1	760
SAD-067771	1	3	2	74	.1	1	2	790	1.39	3	5	ND	1	12	1	2	2	2	.95	.030	8	1	.25	42	.01	3	.48	.03	.11	1	1
SAD-067772	2	86	15	71	.3	16	11	1004	3.89	17	5	ND	1	189	1	2	2	56	10.57	.095	5	23	.88	95	.01	2	1.14	.07	.11	1	6
SAD-067773	2	62	7	58	.4	14	13	880	4.60	9	5	ND	1	67	1	2	2	36	8.25	.109	6	10	.28	123	.01	2	.52	.07	.19	1	7
SAD-067774	2	133	5	46	.2	7	9	764	3.35	10	5	ND	1	33	1	2	2	31	4.38	.127	12	3	.12	102	.01	2	.50	.05	.13	1	1
SAD-067775	2	97	8	82	.4	8	13	884	5.26	19	5	ND	1	74	1	2	2	86	5.45	.144	9	10	.78	154	.01	2	1.27	.07	.16	1	1
SAD-067776	1	110	8	74	.3	20	15	864	4.91	13	5	ND	1	70	1	2	2	47	8.70	.146	6	19	.63	176	.01	4	1.20	.06	.27	1	1
SAD-067777	2	95	9	111	.2	19	17	906	5.08	11	5	ND	1	58	1	2	2	127	4.94	.114	5	19	1.21	58	.16	4	1.74	.07	.11	1	1
SAD-067778	3	71	2	69	.1	6	15	1476	4.35	2	5	ND	1	202	1	2	2	39	8.61	.041	2	2	2.08	1379	.01	2	.20	.05	.12	1	23
SAD-067779	1	32	3	88	.2	4	12	1493	4.35	3	5	ND	1	114	1	2	2	49	9.36	.074	4	2	1.45	1828	.01	3	.55	.08	.15	1	1
VAN-067780	9	598	22	133	.7	11	15	1146	6.02	8	5	ND	1	39	1	2	2	132	1.32	.133	5	14	2.17	64	.27	3	1.96	.05	.05	1	1
STD C/AU-R	20	59	39	133	6.9	69	28	1011	3.97	42	17	7	35	49	17	16	18	64	.48	.100	36	56	.90	183	.08	37	1.75	.07	.13	12	480



ACME ANALYTICAL LABORATORIES  
852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6  
PHONE 253-3158 DATA LINE 251-1011

DATE RECEIVED: JUNE 15 1987

DATE REPORT MAILED: *June 17/87..*

### GEOCHEMICAL ICP ANALYSIS

.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 CA P LA CR MG BA TI B W AND LIMITED FOR NA AND K. AU DETECTION LIMIT BY ICP IS 3 PPM.  
- SAMPLE TYPE: Rock Chips AU\* ANALYSIS BY AA FROM 10 GRAM SAMPLE.

ASSAYER: *D. Toy*. DEAN TOYE, CERTIFIED B.C. ASSAYER

I.M. WATSON & ASSOCIATES PROJECT-SADIM File # 87-1752 ✓

SAMPLE#	CU PPM	PB PPM	AG PPM	AU* PPB
2901	1	2	.1	1
2902	2	2	.1	1
2903	3	2	.1	1
2904	43	8	.3	1
2905	7	14	.4	1
2906	13	2	.1	1
STD C/AU-R	61	42	7.1	510

SAMPLE#	CU	PB	AG	AU**
	PPM	PPM	PPM	PPB
<i>SAD 067781</i>	<i>7</i>	<i>2</i>	<i>1</i>	<i>1</i>
SAD-067782	33	5	.1	2
SAD-067783	39	10	.1	2
SAD-067784	27	8	.1	3
SAD-067785	35	11	.2	1
SAD-067786	28	9	.1	2
SAD-067787	25	3	.1	1
SAD-067788	26	8	.1	4
SAD-067789	17	2	.1	1
SAD-067790	21	4	.1	76
STD C/AU-R	60	40	7.1	495

**GEOCHEMICAL ICP ANALYSIS**

.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 CA P LA CR MG BA TI B W AND LIMITED FOR NA AND K. AU DETECTION LIMIT BY ICP IS 3 PPM.  
 - SAMPLE TYPE: Rock Chips AU\* ANALYSIS BY AA FROM 10 GRAM SAMPLE.

ASSAYER: *D. Toye* DEAN TOYE, CERTIFIED B.C. ASSAYER

I.M. WATSON PROJECT-SADIM File # 87-1893 Page 1

SAMPLE#	CU PPM	PB PPM	AG PPM	AU* PPB
2001	22	9	.3	31
2002	17	5	.1	9
2003	7	5	.1	13
2004	4	6	.1	12
2005	8	2	.1	16
2006	13	10	.1	15
2007	15	5	.1	11
2008	12	7	.1	3
2009	12	11	.1	4
STD C/AU-R	60	40	6.9	490
2010	10	5	.1	7
2011	16	5	.1	10
2012	24	5	.1	6
2013	28	11	.1	8
2014	16	11	.1	10
2015	22	4	.1	5
2016	123	6	.1	5
2017	75	8	.1	4
2018	121	6	.2	13
2019	81	12	.3	16
2020	29	3	.2	15
2021	37	6	.1	9
2022	22	9	.1	16
2023	16	2	.2	9
2024	75	6	.1	1
2025	70	11	.1	2
2026	26	12	.1	3
2027	23	11	.1	14
2028	28	9	.2	25
2029	67	8	.1	9
2030	78	7	.2	5
2031	2307	16	4.8	10
2032	398	14	.5	28
2033	98	21	3.9	490
2034	139	22	2.6	270
2035	50	8	.2	6
2036	18	9	.1	3

SAMPLE#	CU PPM	PB PPM	AG PPM	AU* PPB
2037	7	6	.1	2
2038	62	16	.1	7
2039	87	9	.1	5
2040	325	12	.2	3
2041	32	6	.1	6
2042	28	5	.1	4
2043	15	5	.1	4
2044	98	8	1.5	295
2045	125	20	21.2	3330
2046	105	40	3.9	620
2047	74	8	.2	43
2048	59	7	.1	6
2049	99	5	.1	7
2050	226	59	.9	115
STD C/AU-R	58	38	6.9	505

### GEOCHEMICAL ICP ANALYSIS

.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 CA P LA CR MG BA TI B W AND LIMITED FOR NA AND K. AU DETECTION LIMIT BY ICP IS 3 PPM.  
- SAMPLE TYPE: Rock Chips AU\* ANALYSIS BY AA FROM 10 GRAM SAMPLE.

ASSAYER: *D. Toye* DEAN TOYE, CERTIFIED B.C. ASSAYER

I.M.WATSON & ASSOCIATES PROJECT-SADIM File # 87-1957 Page 1

SAMPLE#	CU PPM	PB PPM	AG PPM	AU* PPB
2051	107	12	.3	20
2052	90	5	.1	10
2053	37	11	.1	1
2054	49	9	.1	2
2055	40	8	.1	3
2056	60	7	.1	1
2057	50	5	.1	2
2058	91	11	.1	1
2059	1004	8	.2	4
2060	315	3	4.6	630
2061	309	6	.1	10
2062	149	2	.1	7
2063	69	8	.1	9
2064	26	4	.1	6
2065	116	8	.1	9
2066	123	6	.1	5
2067	144	27	3.4	460
2068	112	5	.5	83
2069	232	5	7.2	995
2070	91	10	5.4	1225
2071	75	11	1.7	425
2072	358	20	4.9	840
2073	190	9	.3	46
2074	87	8	1.1	138
2075	92	12	.2	79
2076	30	8	.1	6
2077	234	7	1.3	225
2078	171	4	.2	21
2079	93	15	.6	102
2080	213	7	.5	73
2081	267	12	.2	41
2082	136	11	1.0	185
2083	78	8	.1	6
2084	303	26	7.2	1090
2085	108	10	.1	6
2086	156	5	.1	11
STD C/AU-R	59	35	6.8	515

SAMPLE#	CU PPM	PB PPM	AG PPM	AU* PPB
2087	160	6	.1	67
2088	719	3	.1	14
2089	132	14	.1	38
2090	124	6	.1	17
2091	206	7	.1	33
2092	120	5	.1	15
2093	163	2	.1	14
2094	134	8	1.8	310
2095	88	69	1.5	250
2096	347	7	.1	44
2097	284	15	3.1	470
2098	350	13	2.8	420
2099	411	25	8.7	1140
2100	115	9	1.2	310
2101	40	8	.1	69
2102	77	11	.4	165
2103	196	6	.6	220
2104	92	4	.1	58
2105	145	5	1.1	305
2106	105	7	2.2	380
2107	80	4	.2	95
2108	124	12	.5	230
2109	93	20	.8	210
2110	160	11	1.4	340
2111	101	9	.4	87
2112	96	4	.1	28
2113	439	8	.3	168
2114	276	2	.1	43
2115	118	3	.1	65
2116	122	13	.1	49
2117	108	5	.1	83
2118	246	10	1.5	320
2119	140	7	.7	203
2120	507	6	1.0	220
2121	92	4	.1	56
2122	55	6	.1	37
STD C/AU-R	61	41	6.7	470

SAMPLE#	CU PPM	PB PPM	AG PPM	AU* PPB
2123	113	9	.1	52
2124	137	4	.1	31
2125	281	5	1.9	260
2126	159	7	1.2	152
2127	204	3	.1	19
2128	149	12	.1	12
2129	189	5	.1	6
2130	278	8	.1	28
2131	112	5	.1	3
2132	451	5	1.2	165
2133	321	6	1.8	245
2134	180	7	.3	88
2135	162	6	.1	2
2136	164	4	.1	8
2137	127	2	.1	2
2138	96	7	.1	9
2139	94	7	.1	10
2140	42	15	.1	19
2141	14	9	.1	9
2142	10	12	.1	3
2143	15	3	.1	7
2144	16	6	.1	1
2145	65	7	.1	14
2146	76	12	.2	36
2147	14	7	.1	2
2148	2214	4	6.7	121
2149	361	8	1.6	56
2150	28	10	.1	20
2151	44	12	.1	2
2152	56	7	.1	12
2153	695	4	3.1	32
2154	258	11	2.5	360
2155	312	21	2.1	350
2156	148	11	6.4	850
2157	34	6	.1	18
2158	209	15	.2	26
STD C/AU-R	62	37	6.9	485

SAMPLE#	CU PPM	PB PPM	AG PPM	AU* FPB
2159	85	4	.1	11
2160	97	2	.1	6
2161	29	9	.1	2
2162	49	6	.1	6
2163	29	10	.1	4
2164	11	4	.1	1
2165	11	3	.1	3
2166	29	8	.1	2
2167	234	4	.1	1
2168	169	10	.1	12
2169	58	6	.1	3
2170	53	8	.1	1
2171	28	9	.1	2
2172	355	10	.3	2
2173	380	9	.3	4
2174	105	6	.2	6
2175	77	8	.1	10
2176	99	10	.1	1
2177	64	10	.2	8
2178	32	6	.1	6
2179	452	6	2.2	12
2180	28	6	.2	38
2181	14	3	.1	9
2182	52	15	.6	105
2183	26	15	.2	57
2184	8	8	.1	14
2185	12	9	.1	2
2186	4	12	.1	4
2187	29	10	.1	15
2188	58	12	.4	55
2189	88	11	.1	15
2190	74	13	.1	28
2191	36	11	.1	6
2192	171	13	.1	8
2193	78	7	.1	2
STD C/AU-R	61	37	6.9	510



SAMPLE#	CU PPM	PB PPM	AG PPM	AU* PPB
VAN-067798	306	5	.1	8 ✓
VAN-067799	115	4	.1	1 ✓
VAN-067800	196	5	.1	2 ✓
VAN-6801	206	4	.1	1 ✓
VAN-6802	582	6	.1	1 ✓

### GEOCHEMICAL ICP ANALYSIS

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THIS LEACH IS PARTIAL FOR MN FE CA P LA CR MG BA TI B W AND LIMITED FOR NA AND K. AU DETECTION LIMIT BY ICP IS 3 PPM.  
- SAMPLE TYPE: Core AU\* ANALYSIS BY AA FROM 10 GRAM SAMPLE. SADIM

ASSAYER: *D. Toye* DEAN TOYE, CERTIFIED B.C. ASSAYER

I.M. WATSON File # 87-2033 Page 1

SAMPLE#	CU PPM	PB PPM	AG PPM	AU* PPB
1508	65	2	2.8	395
1509	39	4	1.4	175
1510	33	3	.5	68
1511	39	4	1.4	245
1512	87	6	2.8	350
1513	30	8	1.9	315
1514	85	3	.5	62
1515	38	84	10.9	1420
1516	21	5	1.9	295
1517	40	3	2.1	360
1518	28	3	2.8	495
1519	128	2	.8	120
1520	31	2	.1	3
1521	28	2	.1	1
1522	63	4	.3	40
1523	34	3	.1	1
1524	20	2	.3	32
1525	28	3	.1	1
1526	249	3	1.4	250
1527	14	3	.1	2
1528	15	3	.1	1
1529	42	3	.4	46
1530	115	5	1.8	320
1531	46	3	.8	122
1532	19	4	.3	37
1533	40	3	.7	130
1534	14	4	.1	3
1535	45	4	.3	62
1536	143	3	.4	40
1537	216	3	.5	99
1538	165	3	.7	175
1539	117	2	.4	68
1540	88	3	.2	33
1541	154	5	1.4	260
1542	96	3	.1	14
1543	138	2	.1	11
STD C/AU-R	58	38	7.0	490

SAMPLE#	CU PPM	PB PPM	AG PPM	AU* PPB
1544	1350	3	2.5	22
1545	2	5	.1	1
1546	47	8	.2	42
1547	5	8	.2	8
1548	2	12	.3	39

ACME ANALYTICAL LABORATORIES  
852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6  
PHONE 253-3158 DATA LINE 251-1011

DATE RECEIVED: JUNE 29 1987

DATE REPORT MAILED: *July 1/87...*

### GEOCHEMICAL ICP ANALYSIS

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- SAMPLE TYPE: Rock Chips AU\* ANALYSIS BY AA FROM 10 GRAM SAMPLE.

ASSAYER: *D. Toye* DEAN TOYE, CERTIFIED B.C. ASSAYER

I.M. WATSON PROJECT-SADIM File # 87-2038 Page 1

SAMPLE#	CU PPM	PB PPM	AG PPM	AU* PPB
2194	61	8	.3	2
2195	75	8	.4	1
2196	94	7	.2	7
2198	12	10	.2	9
2199	61	11	.3	29
2200	49	8	.1	6
2201	59	8	.2	11
2202	34	8	.2	4
2203	32	9	.1	1
2204	71	8	.2	1
2205	74	5	.3	7
2206	114	8	.2	1
2207	110	7	.1	2
2208	101	7	.2	2
2209	100	9	.3	3
2210	168	34	.2	2
2211	119	9	.2	3
2212	70	6	.1	1
2213	78	8	.1	1
2214	43	4	.1	1
2215	52	5	.2	4
2216	78	11	.3	16
2217	49	10	.2	5
2218	81	9	.2	3
2219	67	5	.1	3
2220	48	10	.1	3
2221	16	4	.1	2
2222	39	4	.1	2
2223	45	9	.2	2
2224	13	3	.1	1
2225	12	3	.1	1
2226	48	5	.1	1
2227	29	3	.1	1
2228	31	5	.1	2
2229	52	5	.1	3
STD C/AU-R	58	39	6.9	490

ACME ANALYTICAL LABORATORIES  
852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6  
PHONE 253-3158 DATA LINE 251-1011

DATE RECEIVED: JUNE 29 1987

DATE REPORT MAILED: *July 6/87*....

### GEOCHEMICAL ICP ANALYSIS

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- SAMPLE TYPE: Rock Chips AU\* ANALYSIS BY AA FROM 10 GRAM SAMPLE.

ASSAYER: *P. Toyer* DEAN TOYE, CERTIFIED B.C. ASSAYER

I.M. WATSON PROJECT-SADIM File # 87-2038A Page 1

SAMPLE#	CU PPM	FB PPM	AG PPM	AU* PPB
2230	73	8	.3	22
2231	56	7	.2	2
2232	51	12	.2	3
2233	32	8	.2	2
2234	41	7	.1	1
2235	56	7	.1	2
2236	60	5	.1	1
2237	56	276	.6	7
2238	53	92	.8	1
2239	97	11	.1	3
2240	84	11	.2	4
STD C/AU-R	57	38	7.1	505

ACME ANALYTICAL LABORATORIES  
852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6  
PHONE 253-3158 DATA LINE 251-1011

DATE RECEIVED: JUNE 30 1987

DATE REPORT MAILED: *July 7/87.*

### GEOCHEMICAL ICP ANALYSIS

.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 CA P LA CR MG BA TI B W AND LIMITED FOR NA AND K. AU DETECTION LIMIT BY ICP IS 3 PPM.  
- SAMPLE TYPE: Core AU\* ANALYSIS BY AA FROM 10 GRAM SAMPLE.

ASSAYER: *D. Toye* DEAN TOYE, CERTIFIED B.C. ASSAYER

I.M. WATSON PROJECT-SADIM File # 87-2095

SAMPLE#	CU PPM	PB PPM	AG PPM	AU* PPB
1549	9	4	.3	59
1550	54	6	2.2	370
1551	91	9	5.2	585
1553	105	46	3.2	190
1554	73	63	2.5	215
1555	64	15	2.8	440
1556	18	24	.7	36
1557	68	15	2.1	120
1558	65	10	1.4	290
1559	38	22	1.3	325
1560	35	7	.2	11
1561	35	8	.2	15
1562	17	7	.2	6
1563	103	8	1.1	122
1564	37	8	.1	16
1565	30	29	1.3	210
1566	30	7	.2	4
1567	35	5	.1	8
1568	45	5	.3	3
STD C/AU-R	61	38	7.2	485

ACME ANALYTICAL LABORATORIES  
852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6  
PHONE 253-3158 DATA LINE 251-1011

DATE RECEIVED: JULY 2 1987

DATE REPORT MAILED: *July 14/87*

### GEOCHEMICAL ICP ANALYSIS

.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 CA P LA CR MG BA TI B W AND LIMITED FOR NA AND K. AU DETECTION LIMIT BY ICP IS 3 PPM.  
- SAMPLE TYPE: Rock Chips AU\* ANALYSIS BY AA FROM 10 GRAM SAMPLE.

ASSAYER: *D. Toye*. DEAN TOYE, CERTIFIED B.C. ASSAYER

I.M. WATSON PROJECT-VANCO/SADIM File # 87-2117 Page 1

SAMPLE#	CU PPM	PB PPM	AG PPM	AU* PPB
VAN-1901	36	4	.3	3
VAN-1902	169	4	.5	2
VAN-1903	41	6	.1	6
VAN-1904	408	4	.3	2
VAN-1905	197	10	.3	1
VAN-1906	53	5	.2	3
VAN-1907	181	5	.4	1
VAN-1908	221	6	.3	1
VAN-1909	41	6	.2	1
VAN-1910	198	9	.3	1
VAN-1911	50	9	.1	1
VAN-1912	17	5	.2	1
VAN-1913	664	9	.7	1
VAN-1914	69	6	.1	1
VAN-1915	87	4	.2	2
VAN-1916	177	3	.1	1
SAD-2907	67	2	3.2	505
SAD-2908	369	28	29.8	3600
SAD-2909	64	14	5.2	1020
VAN-6701	427	9	.2	4
VAN-6702	114	2	.2	7
VAN-6703	25	7	.1	1
VAN-6704	57	6	.2	5
VAN-6705	54	7	.1	7
VAN-6706	101	19	.3	1
VAN-6707	5165	117	6.2	1
VAN-6708	6946	20	3.1	1
VAN-6709	123	8	.4	1
VAN-6710	220	7	.2	3
VAN-6711	163	7	.5	4
VAN-6712	91	7	.1	1
VAN-6713	3990	9	5.1	1
VAN-6714	53	9	.1	1
VAN-6715	99	6	.1	1
VAN-6716	153	4	.1	2
VAN-6717	156	11	.2	1
STD C/AU-R	65	42	7.3	505

SAMPLE#	CU PPM	PB PPM	AG PPM	AU* PPB
VAN-6718	22	6	.2	1
VAN-6719	3182	8	3.4	27
VAN-6720	4584	4	1.4	1
VAN-6721	26	5	.1	2
VAN-6722	234	10	.3	2
VAN-6723	2743	12	4.6	24
VAN-6724	57	3	.1	1
VAN-6725	70	4	.1	1
VAN-6726	24	5	.1	1
VAN-6727	683	101	.5	5
VAN-6803	588	529	.8	1
VAN-6804	12178	4	12.2	2
VAN-6805	69	18	.2	1
VAN-6806	139	8	.1	1
VAN-6807	10627	10	6.6	1
VAN-6808	324	12	.2	13
VAN-6809	287	10	.1	1
VAN-6810	136	7	.2	1
VAN-6811	232	4	.3	1
VAN-6812	35	7	.1	1
VAN-6813	30	3	.1	1
VAN-6814	16	8	.1	1
VAN-6815	27	4	.1	1
VAN-6816	37	4	.1	1
VAN-6817	46	3	.1	2
VAN-6818	131	6	.2	1
VAN-6819	66	3	.1	1
VAN-6820	72	8	.1	1
VAN-6821	103	10	.1	1
VAN-6822	19	5	.1	1
VAN-6823	26	6	.1	2
VAN-6824	52	4	.1	1
VAN-6825	32	4	.1	2
VAN-6826	50	7	.2	1
VAN-6827	29	6	.2	1
VAN-6828	62	9	.1	1
STD C/AU-R	63	43	7.2	505



SAMPLE#	CU PPM	PB PPM	AG PPM	AU* PPB
VAN-6829	61	4	.7	28
VAN-6830	46	11	.7	19
VAN-6831	63	7	.6	1
VAN-6832	109	10	.5	1
VAN-6833	226	17	1.0	1
VAN-6834	128	11	.5	1
VAN-6835	68	8	.3	1
VAN-6836	187	8	.5	1
VAN-6837	150	160	2.4	1
VAN-6838	101	7	.7	1
VAN-6839	44	4	.6	1
VAN-6840	158	6	.4	1
VAN-6841	58	9	.7	1
VAN-6842	51	7	.6	2
VAN-6843	48	6	.5	1
VAN-6844	183	6	.5	1
VAN-6845	93	7	.7	2
VAN-6846	57	4	.5	1
VAN-6847	23	4	.4	1
VAN-6848	68	10	.3	1
VAN-6849	12935	12	2.8	1
VAN-6850	113	5	.3	1
G-1501	167	6	.5	2
G-1502	44	5	1.4	225
G-1503	71	6	4.0	520
G-1504	91	5	1.5	250
G-1505	69	3	.5	29
G-1506	49	3	.2	1
G-1507	58	3	1.2	150
091201	211	5	.6	1
091202	124	6	.5	1
091203	136	8	.5	1
091204	164	14	.6	3
091209	6903	13	11.6	9
091210	67	2	.5	1
091211	113	8	.6	1
STD C/AU-R	58	38	7.2	505

SAMPLE#	CU PPM	PB PPM	AG PPM	AU* PPB
091212	165	10	.1	4
091213	120	8	.2	1
091214	84	8	.2	3
091215	65	4	.1	6
091216	258	10	.2	1
091217	197	14	.1	6
091218	121	8	.3	2
091205	209	5	.1	7
091206	212	6	.1	5
091207	97	6	.2	3
091208	95	2	.2	2

ACME ANALYTICAL LABORATORIES  
852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6  
PHONE 253-3158 DATA LINE 251-1011

DATE RECEIVED: JULY 1 1987

DATE REPORT MAILED: *July 11/87*

### GEOCHEMICAL ICP ANALYSIS

.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 CA P LA CR MG BA TI B W AND LIMITED FOR NA AND K. AU DETECTION LIMIT BY ICP IS 3 PPM.  
- SAMPLE TYPE: P1-PAN CONC P2-4 ROCK AU\* ANALYSIS BY AA FROM 10 GRAM SAMPLE.

ASSAYER: *D. Toye* DEAN TOYE, CERTIFIED B.C. ASSAYER

I.M. WATSON PROJECT-SADIM File # 87-2135 Page 1

SAMPLE#	CU PPM	PB PPM	AG PPM	AU* PPB
SAD-1951	43	13	.2	1
SAD-1952	42	9	.1	4
SAD-1953	47	9	.2	1
SAD-1955	51	10	.2	1
SAD-1957	44	13	.1	1
SAD-1958	34	8	.1	39
SAD-1959	48	8	.2	1
SAD-1960	48	12	.1	1
SAD-1962	49	12	.1	1
SAD-1963	49	9	.1	470
SAD-1964	48	8	.1	15
SAD-1965	46	11	.2	1
SAD-1966	60	8	.2	1
SAD-1967	47	14	.1	1
SAD-1968	45	9	.1	1
SAD-1969	45	10	.2	1
SAD-1970	44	9	.1	1
SAD-1971	44	12	.1	1
SAD-1972	43	9	.1	23
SAD-1973	43	13	.1	1
SAD-1974	40	15	.1	17
STD C/AU-S	61	43	7.3	48

SAMPLE#	CU PPM	PB PPM	AG PPM	AU* PPB
SAD-1954R	23	9	.1	5
SAD-1956R	52	15	.1	4
SAD-1961R	16	9	.1	1
SAD-1975R	24	44	.1	1
SAD-1976R	3	6	.1	1
SAD-1977R	6	10	.1	4
SAD-1978R	6	10	.1	1
SAD-1999R	92	19	.1	1
SAD-2000R	12	39	.3	2
2241	65	9	.1	2
2242	175	9	.1	1
2243	95	10	.1	1
2244	80	7	.1	2
2245	88	11	.1	1
2246	37	6	.1	4
2247	38	5	.1	3
2248	125	11	.1	1
2249	100	7	.2	8
2250	53	10	.2	6
2251	69	15	.2	18
2252	143	9	.2	47
2253	184	20	.3	22
2254	135	7	.1	8
2255	98	13	.1	7
2256	72	12	.1	9
2257	80	13	.1	1
2258	177	9	.1	8
2259	109	16	.2	22
2260	138	15	.2	33
2261	99	10	.5	58
2264	96	9	.1	6
2265	143	14	.1	2
2273	136	8	.1	4
2274	111	6	.2	1
2275	130	7	.1	6
2276	132	11	.6	5
STD C/AU-R	58	35	7.3	485

SAMPLE#	CU PPM	PB PPM	AG PPM	AU* PPB
2277	127	190	.2	8
2278	110	30	.1	3
2279	160	21	.1	4
2280	257	32	.1	2
2281	128	13	.1	4
2282	114	23	.4	8
2283	219	22	1.4	82
2284	17	9	.1	4
2285	42	11	.1	5
2286	112	14	.1	2
2287	70	6	.1	2
2288	93	9	.2	12
2289	48	11	.1	5
2290	91	12	.3	32
2291	102	13	.2	31
2292	96	11	.1	42
2293	107	20	.1	5
2294	21	11	.3	1
2295	39	12	.1	10
2296	50	11	.2	17
2297	107	16	.1	11
2298	77	5	.1	4
2299	118	13	.1	15
2300	77	2	.1	3
2301	72	8	.1	4
2302	66	7	.1	3
2303	64	17	.7	17
2304	132	8	.2	18
2305	65	12	.3	32
2306	18	9	.4	2
2307	25	18	.3	4
2308	73	34	.1	27
2309	103	15	.1	9
2310	105	11	.2	1
2311	50	5	.2	2
2312	70	4	.1	2
STD C/AU-R	58	41	7.2	505

SAMPLE#	CU PPM	PB PPM	AG PPM	AU* PPB
2313	125	8	.1	9
2314	148	9	.1	4
2315	138	12	.7	5
2316	148	7	.1	5
2317	74	7	.1	1
2318	177	10	.1	1
2319	140	4	.1	6
2320	77	4	.1	18
2321	45	4	.4	142
2322	28	9	.9	130
2323	30	5	.6	125
2324	78	9	.5	14
2325	11	8	.3	20
2326	61	6	.1	132
2327	55	8	.3	7
2328	51	6	.3	1
2329	108	6	.5	1
2330	155	6	.1	7
2331	134	11	2.4	485
2332	134	5	4.8	725
2333	83	10	1.1	220
2910	38	10	.1	1
2911	19	10	2.6	520
STD C/AU-R	58	40	7.5	495

ACME ANALYTICAL LABORATORIES  
852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6  
PHONE 253-3158 DATA LINE 251-1011

DATE RECEIVED: JULY 9 1987

DATE REPORT MAILED: *July 18/87*

### GEOCHEMICAL ICP ANALYSIS

.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 CA P LA CR MG BA TI B W AND LIMITED FOR NA AND K. AU DETECTION LIMIT BY ICP IS 3 PPM.  
- SAMPLE TYPE: Rock Chips AU\* ANALYSIS BY AA FROM 10 GRAM SAMPLE.

ASSAYER: *D. Toy* DEAN TOYE, CERTIFIED B.C. ASSAYER

I.M. WATSON PROJECT-SADIM File # 87-2328

SAMPLE#	CU PPM	PB PPM	AG PPM	AU* PPB
2436	14	2	.4	11
2437	53	6	.3	5
2438	203	2	.4	9
2439	102	2	.3	6
2440	85	3	.1	6
2441	44	2	.3	8
2442	80	2	.4	5
2443	53	7	.5	3
2444	105	2	.3	5
2445	77	2	.3	26
2446	166	2	.4	42
2447	130	5	.1	16
2448	114	7	.1	28
2449	86	2	.2	9
2450	114	2	1.3	220
2451	99	4	.7	102
STD C/AU-R	58	41	7.3	490

*July 21/87*

### GEOCHEMICAL ICP ANALYSIS

.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 CA P LA CR MG BA TI B W AND LIMITED FOR NA AND K. AU DETECTION LIMIT BY ICP IS 3 PPM.

- SAMPLE TYPE: P1-CORE P2-4 ROCK AU\* ANALYSIS BY AA FROM 10 GRAM SAMPLE.

ASSAYER: *D. Speyer* DEAN TOYE, CERTIFIED B.C. ASSAYER

I.M. WATSON PROJECT - SADIM File # 87-2355A Page 1

SAMPLE#	CU PPM	PB PPM	AG PPM	AU* PPB
SAD-1569 ✓	57	7	3.1	2
SAD-1570 ✓	56	10	.1	7
SAD-1571 ✓	36	11	.2	1
SAD-1572 ✓	12	5	.2	1
SAD-1573 ✓	11	16	.1	4
SAD-1574 ✓	45	106	.1	21
SAD-1575 ✓	85	112	.3	6
SAD-1576 ✓	200	3	.2	13
SAD-1577 ✓	72	7	.3	55
SAD-1578 ✓	15	6	.5	88
SAD-1579 ✓	47	4	.1	4
SAD-1580 ✓	165	4	.3	6
SAD-1581 ✓	150	5	.1	2
SAD-1582 ✓	131	5	.1	2
SAD-1583 ✓	146	4	.2	1
SAD-1584 ✓	112	2	.2	2
SAD-1585 ✓	120	14	.1	1
SAD-1586	46	11	.4	1
SAD-1587	79	3	.1	1
SAD-1588	102	5	.3	1
SAD-1589	76	10	1.1	76
SAD-1590	168	2	.1	5
SAD-1591	69	2	.1	3
SAD-1592	71	13	.1	1
SAD-1593	45	5	.1	1
SAD-1594	76	2	.3	1
SAD-1595	58	11	.1	1
SAD-1596	62	5	.1	1
SAD-1597	70	2	.1	1
SAD-1598	86	2	.2	1
SAD-1599	77	5	.1	2
SAD-1600	95	5	.2	1
SAD-1601	72	4	.1	1
STD C/AU-R	60	41	7.2	485



SAMPLE#	CU PPM	PB PPM	AG PPM	AU* PPB
SAD-2334	87	3	.4	12
SAD-2335	102	2	.1	3
SAD-2336	82	2	.2	5
SAD-2337	81	5	.2	4
SAD-2338	53	7	.4	2
SAD-2339	91	7	.2	25
SAD-2340	191	3	.2	5
SAD-2341	154	2	.1	1
SAD-2342	63	2	.1	4
SAD-2343	108	2	.1	3
SAD-2344	186	7	.3	8
SAD-2345	106	2	.5	29
SAD-2346	40	2	.4	11
SAD-2347	120	6	1.0	151
SAD-2348	75	9	.3	20
SAD-2349	17	2	.4	4
SAD-2350	56	6	.1	1
SAD-2351	78	2	.1	5
SAD-2352	87	3	.1	4
SAD-2353	63	2	.1	3
SAD-2354	67	2	.1	1
SAD-2355	49	2	.4	1
SAD-2356	159	5	.2	1
SAD-2357	180	4	.4	20
SAD-2358	292	9	.6	3
SAD-2359	22	2	.1	6
SAD-2360	18	9	.1	2
SAD-2361	20	11	.1	4
SAD-2362	9	3	.1	1
SAD-2363	10	2	.1	2
SAD-2364	9	6	.1	4
SAD-2365	12	11	.5	15
SAD-2366	16	8	.1	8
SAD-2367	29	14	.1	10
SAD-2368	106	2	1.8	250
SAD-2369	113	67	4.8	650
STD C/AU-R	60	38	7.2	470

SAMPLE#	CU PPM	PB PPM	AG PPM	AU* PPB
SAD-2370	20	40	.7	4
SAD-2371	41	53	.8	1
SAD-2372	52	9	.4	1
SAD-2373	53	15	.5	1
SAD-2374	77	16	.6	85
SAD-2375	38	18	.4	6
SAD-2376	34	9	.4	13
SAD-2377	12	17	.5	2
SAD-2378	35	16	.4	7
SAD-2379	61	8	.2	1
SAD-2380	15	5	.2	1
SAD-2381	51	7	.4	1
SAD-2382	118	15	.3	1
SAD-2383	99	22	.3	2
SAD-2384	67	6	.3	3
SAD-2385	481	18	.1	1
SAD-2386	162	16	.2	4
SAD-2387	141	11	.1	1
SAD-2388	126	11	.3	1
SAD-2389	256	14	.2	1
SAD-2390	163	2	.3	14
SAD-2391	114	10	.4	26
SAD-2392	131	14	.3	4
SAD-2393	178	8	.4	5
SAD-2394	196	2	.5	31
SAD-2395	133	18	.2	2
SAD-2396	159	12	.1	3
SAD-2397	139	10	.1	1
SAD-2398	110	10	.4	2
SAD-2399	108	4	.1	1
SAD-2400	115	8	.2	3
SAD-2401	129	6	.5	1
SAD-2402	162	2	.2	4
SAD-2403	109	11	.3	1
SAD-2404	121	5	.1	3
SAD-2405	91	5	.2	2
STD C/AU-R	58	37	7.2	490

SAMPLE#	CU PPM	PB PPM	AG PPM	AU* PPB
SAD-2406	86	8	.3	2
SAD-2407	81	8	.5	2
SAD-2408	137	8	.2	175
SAD-2409	120	6	.1	1
SAD-2410	135	8	.3	52
SAD-2411	113	17	.5	12
SAD-2412	24	11	.3	5
SAD-2413	61	7	.2	8
SAD-2414	13	6	.1	29
SAD-2415	8	3	.1	29
SAD-2416	21	3	.2	120
SAD-2417	26	138	1.4	165
SAD-2418	9	2	.1	12
SAD-2419	58	8	.4	23
SAD-2420	60	4	.2	10
SAD-2421	339	2	.5	3
SAD-2422	453	2	.6	2
SAD-2423	87	10	.1	1
SAD-2424	66	13	.4	2
SAD-2425	110	2	.1	2
SAD-2426	76	3	.1	2
SAD-2427	85	9	.1	49
SAD-2428	104	12	.1	11
SAD-2429	88	2	.1	3
SAD-2430	56	8	.1	1
SAD-2431	88	2	.3	4
SAD-2432	131	2	.1	8
SAD-2433	116	8	.1	3
SAD-2434	96	11	.4	4
SAD-2435	69	7	.1	4
STD C/AU-R	60	39	7.0	485

ACME ANALYTICAL LABORATORIES  
852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6  
PHONE 253-3158 DATA LINE 251-1011

DATE RECEIVED: JULY 18 1987

DATE REPORT MAILED: *July 30/87..*

### GEOCHEMICAL ICP ANALYSIS

.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 CA P LA CR MG BA TI B W AND LIMITED FOR NA AND K. AU DETECTION LIMIT BY ICP IS 3 PPM.  
- SAMPLE TYPE: P1-SOIL P2-P.C. P3-ROCK P4-6 CORE AU\* ANALYSIS BY AA FROM 10 GRAM SAMPLE.

ASSAYER: *D. Toye* DEAN TOYE, CERTIFIED B.C. ASSAYER

I.M. WATSON PROJECT-SADIM File # 87-2532 Page 1

SAMPLE#	CU PPM	PB PPM	AG PPM	AU* PPB
SAD-5901	37	2	.1	2
SAD-5902	58	4	.2	8
SAD-5903	39	7	.1	3
SAD-5904	30	8	.1	4
SAD-5905	21	6	.1	1
SAD-5906	68	5	.2	1
SAD-5907	28	7	.1	3
SAD-5908	35	5	.1	1
SAD-5909	33	7	.1	2
SAD-5910	32	5	.1	4
SAD-5911	38	2	.1	1
SAD-5912	173	7	.3	2
STD C/AU-S	58	41	7.2	52

## I.M. WATSON SADIM FILE # 87-2532

Page 2

SAMPLE#	CU PPM	PB PPM	AG PPM	AU* PPB
SAD-1979	51	4	.1	1
SAD-1980	50	9	.3	1
SAD-1982	47	8	.1	1
SAD-1983	43	8	.2	1
SAD-1984	48	8	.2	24
SAD-1985	50	10	.2	6
SAD-1986	47	8	.1	5
SAD-1987	45	12	.2	1
SAD-1988	44	5	.1	7
STD C	61	39	7.3	-

## I.M. WATSON PROJECT-SADIM FILE # 87-2532

Page 3

SAMPLE#	CU PPM	PB PPM	AG PPM	AU* PPB
SAD-1981R	44	5	.1	2
SAD-088613R	16	4	.2	1
SAD-088614R	16	7	.2	2
SAD-088615R	45	7	.2	1

SAMPLE#	CU PPM	PB PPM	AG PPM	AU* PPB
G 1602	29	6	.1	1
G 1603	19	6	.1	1
G 1604	24	7	.3	1
G 1605	27	5	.1	2
G 1606	39	4	.1	3
G 1607	85	5	.1	3
G 1608	61	4	.2	1
G 1609	34	4	.1	1
G 1610	6	8	.1	1
G 1611	8	8	.1	1
G 1612	6	5	.1	1
G 1613	4	10	.1	1
G 1614	28	54	4.1	660
G 1615	24	15	.1	13
G 1616	3	9	.1	9
G 1617	6	6	.1	1
G 1618	15	5	.1	1
G 1619	18	4	.1	1
G 1620	11	7	.2	1
G 1621	18	2	.1	1
G 1622	34	6	.1	6
G 1623	62	2	.1	1
G 1624	100	6	.3	35
G 1625	123	7	.4	82
G 1626	40	3	.1	2
G 1627	251	255	13.2	2040
G 1628	185	1046	13.2	1760
G 1629	613	763	20.2	2780
G 1630	79	9	.4	40
G 1631	28	5	.1	7
G 1632	44	8	.2	20
G 1633	67	4	.1	27
G 1634	59	6	.2	9
G 1635	38	9	.1	2
G 1636	55	9	8.2	1270
G 1637	38	5	.1	1
STD C/AU-R	59	41	7.3	500

SAMPLE#	CU PPM	PB PPM	AG PPM	AU* PPB
G 1638	81	10	1.6	240
G 1639	66	8	.2	21
G 1640	38	3	.1	1
G 1641	52	6	.2	3
G 1642	47	6	.1	1
G 1643	77	5	.2	1
G 1644	63	6	1.1	210
G 1645	53	6	.1	1
G 1646	146	5	1.6	225
G 1647	143	6	2.8	470
G 1648	65	15	.1	10
G 1649	87	4	3.2	540
G 1650	150	5	.8	145
G 1651	43	7	.3	1
G 1652	63	7	.2	2
G 1653	111	2	.1	1
G 1654	65	6	.1	1
G 1655	60	4	.1	1
G 1656	18	3	.1	1
G 1657	25	6	.1	1
G 1658	13	6	.1	1
G 1659	22	7	.1	1
G 1660	13	4	.1	3
G 1661	173	3	.9	175
G 1662	10	5	.1	1
G 1663	14	5	.1	1
G 1664	8	2	.1	1
G 1665	10	3	.1	2
G 1666	9	4	.1	4
G 1667	68	7	6.2	1060
G 1668	70	6	.4	75
G 1669	3	6	.1	1
G 1670	35	3	.1	10
G 1671	41	3	.1	1
G 1672	15	4	.1	1
G 1673	4	8	.1	3
STD C/AU-R	58	37	7.1	510

SAMPLE#	CU PPM	PB PPM	AG PPM	AU* PPB
G 1674	100	7	.1	55
G 1675	29	2	1.0	245
G 1676	50	9	6.8	625
G 1677	38	21	1.1	195
G 1678	48	24	1.5	225
G 1679	30	8	2.0	425
G 1680	28	10	.4	55
STD C	64	40	7.5	-



20-ppm 2011-01-19-1

ACME ANALYTICAL LABORATORIES  
852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6  
PHONE 253-3158 DATA LINE 251-1011

DATE RECEIVED: JUL 30 1987

DATE REPORT MAILED: *Aug 1/87*

### GEOCHEMICAL ICP ANALYSIS

.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 CA P LA CR MG BA TI B W AND LIMITED FOR NA AND K. AU DETECTION LIMIT BY ICP IS 3 PPM.  
- SAMPLE TYPE: P1-2 ROCK P3-SILT/PAN CON AU# ANALYSIS BY AA FROM 10 GRAM SAMPLE.

ASSAYER: *D. Toye* DEAN TOYE, CERTIFIED B.C. ASSAYER

I.M. WATSON & ASSOCIATES PROJECT-SAD File # 87-2863 Page 1

SAMPLE#	CU PPM	PB PPM	AG PPM	AU* PPB
SAD-5001	121	11	.1	2
SAD-5002	112	20	.6	1
SAD-5003	36	2	.1	1
SAD-5005	89	9	.3	5
SAD-5006	207	13	.3	3
SAD-5007	115	12	.1	3
SAD-5008	99	10	.2	1
SAD-5009	111	10	.1	1
SAD-5010	59	7	.3	4
SAD-5011	153	5	.2	3
SAD-5012	125	9	.1	17
SAD-5013	148	13	.1	3
SAD-5014	126	8	.1	14
SAD-5015	78	4	.1	1
SAD-5016	79	10	.1	2
SAD-5017	119	8	.2	2
SAD-5018	501	15	.1	87
SAD-5019	420	5	.7	8
SAD-5022	84	2	.1	1
SAD-5023	125	20	.3	6
SAD-5913	72	12	.1	2
SAD-5914	98	16	.1	4
SAD-5915	123	14	.1	4
SAD-5916	116	6	.2	1
SAD-5917	94	7	.1	4
SAD-5918	100	7	.1	5
SAD-5919	9	4	.1	5
SAD-5920	1234	414	.6	54
SAD-5921	79	9	.1	5
SAD-5922	164	16	.1	4
SAD-5923	101	8	.1	3
SAD-5924	82	6	.1	6
SAD-5925	72	9	.3	5
SAD-5926	117	53	.2	1
SAD-5927	117	24	.1	2
SAD-5928	27	12	.2	7
STD C/AU-R	58	42	6.9	495

SAMPLE#	CU PPM	PB PPM	AG PPM	AU* PPB
SAD-5929	116	11	.2	1
SAD-5930	94	10	.1	6
SAD-5931	100	12	.3	1
SAD-5932	36	8	.2	1
SAD-5933	24	10	.9	2

SAMPLE#	CU PPM	PB PPM	AG PPM	AU* PPB
SAD-5004	74	15	.1	1
SAD-5020	63	17	.1	1
SAD-5021	38	16	.1	1

ACME ANALYTICAL LABORATORIES  
852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6  
PHONE 253-3158 DATA LINE 251-1011

DATE RECEIVED: AUG 1 1987

DATE REPORT MAILED: *Aug 4/87*

### GEOCHEMICAL ICP ANALYSIS

.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 CA P LA CR MG BA TI B W AND LIMITED FOR NA AND K. AU DETECTION LIMIT BY ICP IS 3 PPM.

- SAMPLE TYPE: ROCK AU\* ANALYSIS BY AA FROM 10 GRAM SAMPLE.

ASSAYER: *D. Toye* DEAN TOYE, CERTIFIED B.C. ASSAYER

I.M. WATSON PROJECT-SADIM File # 87-2913

SAMPLE#	CU PPM	PB PPM	AG PPM	AU* PPB
SAD 5051	32	2	.1	1
SAD 5052	29	7	.1	5
SAD 5053	25	5	.2	1
SAD 5934	111	5	.3	4
SAD 5935	50	5	.1	1
SAD 5936	75	9	.1	1
SAD 5937	55	7	.3	1
SAD 5938	63	6	.3	1
SAD 5939	60	11	.2	2
SAD 5940	73	9	.2	4
SAD 5941	9	4	.2	3
STD C/AU-R	59	42	7.3	500

ACME ANALYTICAL LABORATORIES  
852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6  
PHONE 253-3158 DATA LINE 251-1011

DATE RECEIVED: AUG 5 1987

DATE REPORT MAILED: *Aug. 13/87*

### GEOCHEMICAL ICP ANALYSIS

.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 CA P LA CR MG BA TI B W AND LIMITED FOR NA AND K. AU DETECTION LIMIT BY ICP IS 3 PPM.  
- SAMPLE TYPE: ROCK AU\* ANALYSIS BY AA FROM 10 GRAM SAMPLE.

ASSAYER: *D. Toye* DEAN TOYE, CERTIFIED B.C. ASSAYER

I.M. WATSON & ASSOCIATES PROJECT-SADIM File # 87-3010

SAMPLE#	CU PPM	PB PPM	AG PPM	AU* PPB
SAD-5024	19	6	.3	2
SAD-5025	141	9	.1	2
SAD-5026	362	9	.2	3
SAD-5027	204	8	.2	2
SAD-5028	157	4	.2	2
SAD-5054	102	4	.1	2
SAD-5055	12	4	.2	1
SAD-5056	35	8	.2	2
SAD-5057	16	10	.2	3
SAD-5058	106	8	.3	3
SAD-5059	60	3	.2	2
SAD-5060	90	4	.1	1
SAD-5061	116	5	.4	3
SAD-5062	131	6	.3	7
SAD-5101	107	3	.1	2
SAD-5102	77	2	.3	1
SAD-5103	70	6	.3	3
SAD-5104	16	9	.2	2
SAD-5105	82	2	.1	2
SAD-5106	99	7	.2	1
SAD-5107	100	3	.2	3
SAD-5108	19	6	.2	1
SAD-5109	109	6	.2	1
SAD-5110	64	2	.3	2
SAD-5942	99	5	.1	2
SAD-5943	29	2	.1	1
SAD-5944	22	10	.2	3
SAD-5945	22	6	.2	1
SAD-5946	10	10	.4	2
SAD-5947	87	8	.3	1
SAD-5948	21	4	.3	2
SAD-5949	80	6	.2	2
SAD-5950	73	5	.3	3
STD C/AU-R	59	40	7.4	495

ACME ANALYTICAL LABORATORIES  
 852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6  
 PHONE 253-3158 DATA LINE 251-1011

DATE RECEIVED: AUG 7 1987  
 DATE REPORT MAILED: *Aug. 17/87...*

**GEOCHEMICAL ICP ANALYSIS**

.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 CA P LA CR MG BA TI B W AND LIMITED FOR NA AND K. AU DETECTION LIMIT BY ICP IS 3 PPM.  
 - SAMPLE TYPE: ROCK AU\* ANALYSIS BY AA FROM 10 GRAM SAMPLE.

ASSAYER: *D. Toy* DEAN TOYE, CERTIFIED B.C. ASSAYER

I.M. WATSON & ASSOCIATES PROJECT-SADIM File # 87-3076 Page 1

SAMPLE#	CU PPM	PB PPM	AG PPM	AU* PPB
SAD-1989	155	13	.1	20
SAD-1990	121	8	.1	17
SAD-1991	118	7	.1	21
SAD-1992	83	7	.1	16
SAD-1993	50	10	.1	40
SAD-1994	107	12	.1	52
SAD-1995	134	13	.1	49
SAD-2452	256	10	.1	23
SAD-2453	191	10	4.1	815
SAD-2454	113	10	.3	80
SAD-2455	142	8	.2	30
SAD-2915	91	7	.2	36
SAD-2916	628	10	.5	13
SAD-2917	557	10	.5	17
SAD-2918	44	6	.1	9
SAD-2919	23	4	.1	8
SAD-2920	51	3	.1	8
SAD-2921	19	9	.1	11
SAD-2922	22	10	.1	9
SAD-2923	51	10	.1	11
SAD-2924	97	12	.3	55
SAD-2925	443	7	2.1	275
SAD-2926	42	11	.1	67
SAD-2927	49	11	.4	74
SAD-2928	232	8	1.5	240
SAD-2929	2821	185	355.6	52600
SAD-2930	1250	104	293.2	42300
SAD-2931	901	63	35.0	4720
SAD-2932	307	14	16.8	2410
SAD-2933	204	13	4.4	720
SAD-2934	182	10	3.9	495
SAD-2935	438	8	.9	72
SAD-2936	44	8	.4	20
SAD-2937	447	7	.3	22
SAD-2938	94	6	.3	10
SAD-2939	47	7	.1	7
STD C/AU-R	58	40	6.9	495

⚡ ASSAY REQUIRED FOR CORRECT RESULT -

SAMPLE#	CU PPM	PB PPM	AG PPM	AU* PPB
SAD-2940	51	31	.1	32
SAD-2941	31	20	.1	6
SAD-2942	37	21	.2	9
SAD-2943	40	14	.2	71
SAD-2944	152	27	.1	13
SAD-2945	136	19	.1	19
SAD-2946	74	20	.1	17
SAD-2947	153	28	.1	14
SAD-2948	97	27	.1	12
SAD-2949	63	17	.1	11
SAD-2950	107	24	.2	36
STD C/AU-R	62	41	7.2	490

ACME ANALYTICAL LABORATORIES  
852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6  
PHONE 253-3158 DATA LINE 251-1011

DATE RECEIVED: AUG 13 1987

DATE REPORT MAILED: *Aug 20/87*

### GEOCHEMICAL ICP ANALYSIS

.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 CA P LA CR MG BA TI B W AND LIMITED FOR NA AND K. AU DETECTION LIMIT BY ICP IS 3 PPM.  
- SAMPLE TYPE: ROCK AU\* ANALYSIS BY AA FROM 10 GRAM SAMPLE.

ASSAYER: *D. Toye* DEAN TOYE, CERTIFIED B.C. ASSAYER

I.M. WATSON & ASSOCIATES PROJECT-SADIM File # 87-3257

SAMPLE#	CU PPM	PB PPM	AG PPM	AU* PPB
F-5705	94✓	13✓	2.3✓	360✓
F-5706	85	11	.4	128
F-5707	114	13-	.5	132
F-5708	56	8	.1	8
F-5709	43	6	.1	25
F-5710	146	11	.5	78
F-5711	109	5	.3	21
F-5712	80	9	.1	19
F-5713	83	7	.4	13
F-5714	81	13	.2	7
F-5715	114	10	.2	3
F-5716	53	9	.1	3
F-5717	77	4	.1	1
F-5718	111	12	.1	2

**GEOCHEMICAL ICP ANALYSIS**

.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 CA P LA CR MG BA TI B W AND LIMITED FOR NA AND K. AU DETECTION LIMIT BY ICP IS 3 PPM.  
 - SAMPLE TYPE: ROCK AU\* ANALYSIS BY AA FROM 10 GRAM SAMPLE.

ASSAYER: *D. Toye* DEAN TOYE, CERTIFIED B.C. ASSAYER

I.M. WATSON PROJECT-SADIM File # 87-3293 Page 1

SAMPLE#	CU PPM	PB PPM	AG PPM	AU* PPB
SAD-2456	205	8	.2	15
SAD-2457	137	2	.1	9
SAD-2458	38	6	.1	6
SAD-2459	84	9	.1	11
SAD-2460	286	9	2.8	385
SAD-2461	170	9	3.4	485
SAD-2462	149	4	.2	16
SAD-2463	300	7	.1	21
SAD-2464	170	9	.1	12
SAD-2465	117	13	.1	19
SAD-2466	101	8	.4	70
SAD-2467	140	10	.2	42
SAD-2468	163	6	6.8	795
SAD-2469	392	2	5.0	520
SAD-2470	74	7	.2	9
SAD-2471	48	6	.2	8
SAD-2472	45	16	.1	12
SAD-2473	32	5	.4	16
SAD-2474	22	8	.1	3
SAD-2475	34	9	.2	21
SAD-2476	55	7	.4	68
SAD-2477	48	7	.1	21
SAD-2478	182	14	.5	20
SAD-2479	26	16	.1	4
SAD-2480	21	6	.1	1
SAD-2481	38	12	.1	8
SAD-2482	57	11	.1	6
SAD-2483	70	7	.1	7
SAD-2484	156	13	.1	8
SAD-2485	237	10	.1	2
SAD-2486	278	11	.1	2
SAD-2487	50	7	.1	9
SAD-2488	29	8	.1	3
SAD-2489	164	8	.2	11
SAD-2490	326	12	.3	11
SAD-2491	190	9	.2	31
STD C/AU-R	58	39	7.2	495



SAMPLE#	CU PPM	PB PPM	AG PPM	AU* PPB
SAD-2492	45	21	.1	7
SAD-2493	37	25	.1	2
SAD-2494	245	9	.1	37
SAD-2495	123	14	.1	9
SAD-2496	16	18	.1	3
SAD-2497	8	17	.1	4
SAD-2498	11	11	.1	9
SAD-2499	11	12	.1	9
SAD-2500	9	11	.1	7
SAD-5063	66	14	.1	1
SAD-5064	70	19	.1	1
SAD-5065	119	18	.2	1
SAD-5066	57	11	.1	1
SAD-5067	9	7	.1	1
SAD-5068	2	11	.2	1
SAD-5069	66	11	.1	1
SAD-5070	59	9	.1	1
SAD-5071	139	9	.1	1
SAD-5072	40	20	.1	1
SAD-5073	130	18	.1	1
SAD-5074	21	6	.1	2
SAD-5075	20	11	.1	1
SAD-5076	4	2	.2	1
SAD-5077	110	14	.1	1
SAD-5078	38	15	.1	2
SAD-5079	107	7	.2	1
SAD-5080	48	18	.1	1
SAD-5081	58	12	.1	2
SAD-5082	30	16	.1	1
SAD-5083	34	11	.1	1
SAD-5084	67	16	.1	2
SAD-5085	45	10	.1	1
SAD-5111	124	11	.1	1
SAD-5112	86	12	.1	1
SAD-5113	39	15	.1	2
SAD-5114	40	11	.1	1
STD C/AU-R	57	40	7.1	490

SAMPLE#	CU PPM	PB PPM	AG PPM	AU* PPB
SAD-5115	53	16	.3	1
SAD-5116	31	19	.2	2
SAD-5117	116	11	.1	1
SAD-5118	5	12	.1	1
SAD-5119	14	14	.3	1
SAD-5120	15	12	.3	2
SAD-5121	14	15	.3	1
SAD-5122	53	8	.1	1
SAD-5123	39	14	.3	1
SAD-5124	59	12	.1	1
SAD-5125	61	8	.1	2
SAD-5126	87	12	.1	2
SAD-5127	89	5	.1	1
SAD-5128	81	8	.1	1
SAD-5129	69	7	.1	1
SAD-5130	98	7	.1	1
SAD-5131	61	11	.1	1
SAD-5132	81	10	.1	1
SAD-5133	47	14	.1	1
SAD-5501	517	14	22.1	2980
SAD-5502	20	11	.2	32
SAD-5503	24	12	.4	43
SAD-5504	16	11	.1	4
SAD-5505	20	10	.1	11
SAD-5506	60	11	.1	13
SAD-5507	257	12	.5	30
SAD-5508	74	11	1.2	112
SAD-5509	51	12	.5	29
SAD-5510	85	14	.4	61
SAD-5511	102	17	37.0	6160
SAD-5512	186	10	3.2	675
SAD-5513	928	12	2.6	335
SAD-5514	689	8	1.1	72
SAD-5515	45	11	.2	41
SAD-5516	1147	7	3.1	275
SAD-5517	71	12	.2	33
STD C/AU-R	62	40	7.3	490

SAMPLE#	CU PPM	PB PPM	AG PPM	AU* PPB
SAD-5518	28	7	.1	30
SAD-5519	36	10	.1	6
SAD-5520	138	7	.1	5
SAD-5521	55	10	.1	11
SAD-5522	61	13	.1	37
SAD-5523	254	11	.5	82
SAD-5524	28	9	.1	9
SAD-5525	29	11	.1	8
SAD-5526	9	9	.2	37
SAD-5527	5	12	.1	7
SAD-5528	46	15	.1	9
SAD-5529	529	9	2.3	400
SAD-5530	281	9	2.7	320
SAD-5531	141	10	1.8	200
SAD-5532	270	11	2.6	360
SAD-5533	84	11	.1	16
SAD-5534	45	6	.2	3
SAD-5535	21	14	.2	5
SAD-5536	31	13	.1	12
SAD-5537	249	13	7.1	1020
SAD-5538	104	15	.2	17
SAD-5539	597	13	2.3	22
SAD-5540	58	13	.1	9
SAD-5541	90	11	.2	6
SAD-5542	45	16	.2	15
SAD-5543	105	13	.1	7
SAD-5544	125	14	.1	9
SAD-5545	143	16	.2	9
SAD-5546	121	11	.4	8
SAD-5547	56	15	.3	4
SAD-5548	377	14	.1	5
SAD-5549	93	10	.2	6
SAD-5550	92	12	.2	1
SAD-5551	25	6	.2	1
SAD-5552	33	7	.2	1
SAD-5553	228	16	.1	2
STD C/AU-R	61	39	7.4	500

SAMPLE#	CU PPM	PB PPM	AG PPM	AU* PPB
SAD-5554	196	12	.2	2
SAD-5555	246	11	.2	2
SAD-5556	323	12	.1	6
SAD-5557	144	9	.2	2
SAD-5558	89	12	.1	2
SAD-5559	191	15	.1	4
SAD-5560	346	10	.2	11
SAD-5561	890	19	.3	9
SAD-5562	1363	7	.3	4
SAD-5563	151	16	.4	5
SAD-5564	95	9	.1	1
SAD-5565	202	7	.1	1
SAD-5566	386	7	.1	1
SAD-5567	156	13	.1	10
SAD-5568	754	11	.2	1
SAD-5569	382	7	.4	16
SAD-5570	119	21	.3	36
SAD-5571	170	7	.1	3
SAD-5572	191	19	.3	1
SAD-5573	260	770	68.5	7150
SAD-5574	208	170	5.7	320
SAD-5575	126	25	1.4	68
SAD-5576	111	13	.6	18
SAD-5577	52	17	.2	5
SAD-5578	73	12	.3	10
SAD-5579	77	16	.1	14
SAD-5580	72	14	.4	41
SAD-5581	40	17	.1	1
SAD-5582	46	10	.1	86
SAD-5583	137	15	.1	14
SAD-5584	154	13	.2	1
SAD-5585	178	13	.2	1
SAD-5586	197	10	.1	1
SAD-5587	139	9	.1	7
SAD-5588	200	14	.1	11
SAD-5589	217	10	.1	4
STD C/AU-R	58	40	7.3	510

SAMPLE#	CU PPM	PB PPM	AG PPM	AU* PPB
SAD-5590	183	10	.1	4
SAD-5591	261	7	.1	4
SAD-5592	781	4	.1	1
SAD-5593	262	9	.1	6
SAD-5594	87	6	.1	7
SAD-5595	100	5	.1	8
SAD-5596	125	3	.7	112
SAD-5597	144	9	.7	123
SAD-5598	103	29	1.4	260
SAD-5599	121	194	5.0	760
SAD-5600	157	102	13.7	2280
SAD-5601	201	20	3.5	500
SAD-5602	147	9	.4	70
SAD-5603	122	9	.8	54
SAD-5604	292	6	.9	115
SAD-5605	528	21	11.9	1900
SAD-5606	471	9	3.4	420
SAD-5607	298	12	1.1	370
SAD-5608	199	4	.1	42
SAD-5609	237	9	.2	15
SAD-5610	184	4	.1	1
SAD-5611	156	17	.1	3
SAD-5612	155	6	.5	74
SAD-5613	105	10	.3	58
SAD-5614	127	8	7.9	1420
SAD-5615	87	7	.8	130
SAD-5616	32	5	.1	23
SAD-5617	96	13	1.0	112
SAD-5618	149	7	.2	33
SAD-5619	164	6	.7	120
SAD-5620	150	5	.4	61
SAD-5621	80	4	.1	12
SAD-5622	302	14	1.5	120
SAD-5623	225	9	.3	44
SAD-5624	225	11	.1	6
SAD-5625	29	9	.1	8
STD C/AU-R	59	42	7.0	515

SAMPLE#	CU PPM	PB PPM	AG PPM	AU* PPB
SAD-5626	25	5	.1	19
SAD-5627	14	10	.1	12
SAD-5628	16	8	.1	6
SAD-5629	422	6	2.4	230
SAD-5630	33	9	.1	15
SAD-5631	83	8	.5	52
SAD-5632	14	4	.1	5
SAD-5633	25	4	.1	11
SAD-5634	95	10	2.6	540
SAD-5635	147	9	3.3	480
SAD-5636	143	5	.6	82
SAD-5637	766	5	.7	63
SAD-5638	511	4	2.1	320
SAD-5639	162	8	1.7	270
SAD-5640	59	4	2.3	340
SAD-5641	16	8	.1	6
SAD-5642	1491	2	1.6	12
SAD-5643	127	6	3.9	640
SAD-5644	226	2	.4	7
SAD-5645	19	5	.2	29
SAD-5646	99	8	6.7	870
SAD-5647	595	13	10.0	1320
SAD-5648	842	3	.6	23
SAD-5649	797	3	1.6	142
SAD-5650	152	6	.8	93
SAD-5651	33	7	.1	11
SAD-5652	23	6	.2	3
SAD-5653	37	10	.1	9
SAD-5654	40	6	.1	4
SAD-5655	10	3	.2	8
SAD-5656	30	4	.1	18
SAD-5657	25	4	1.1	125
SAD-5658	32	3	1.4	280
SAD-5659	48	4	.3	44
SAD-5660	5	3	.1	9
SAD-5661	22	8	.1	16
SAD-5662	11	7	.1	21
STD C/AU-R	58	39	7.0	510

SAMPLE#	CU PPM	PB PPM	AG PPM	AU* PPB
SAD-5663	7	12	.1	1
SAD-5664	22	18	.1	8
SAD-5665	118	13	.1	7
SAD-5666	73	16	.1	4
SAD-5667	41	15	.1	8
SAD-5668	47	14	.1	10
SAD-5669	9	13	.1	1
SAD-5670	50	16	.1	1
SAD-5671	56	11	.1	1
SAD-5672	48	14	.2	1
SAD-5673	46	10	.1	1
SAD-5674	33	6	.1	4
SAD-5675	195	6	41.8	5520
SAD-5676	174	5	11.0	1610
SAD-5677	102	6	.5	70
SAD-5678	135	9	.3	24
SAD-5679	109	8	.2	11
SAD-5680	108	9	.4	29
SAD-5681	69	3	.9	127
SAD-5682	111	17	2.3	310
SAD-5683	71	9	.3	21
SAD-5684	95	6	.2	23
SAD-5685	73	5	.1	1
SAD-5686	90	10	.1	1
SAD-5687	35	3	.1	1
SAD-5688	34	2	.1	2
SAD-5689	137	5	.3	36
SAD-5690	63	11	.5	39
SAD-5691	42	4	1.9	240
SAD-5692	100	8	1.1	215
SAD-5693	76	9	.2	16
SAD-5694	83	9	.1	8
SAD-5695	70	8	.2	1
SAD-5696	29	9	.3	2
SAD-5697	87	8	.3	2
SAD-5698	26	7	.1	6
STD C/AU-R	59	40	7.3	500

SAMPLE#	CU PPM	PB PPM	AG PPM	AU* PPB
SAD-5699	42	6	.1	21
SAD-5700	217	2	4.0	445
SAD-5701	331	11	3.4	465
SAD-5702	32	2	.3	30
SAD-5703	67	12	3.6	505
SAD-5704	1062	8	4.3	385



ACME ANALYTICAL LABORATORIES  
852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6  
PHONE 253-3158 DATA LINE 251-1011

DATE RECEIVED: AUG 17 1987  
DATE REPORT MAILED: *Aug 29/87*

**GEOCHEMICAL ICP ANALYSIS**

.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 CA P LA CR MG BA TI B W AND LIMITED FOR NA AND K. AU DETECTION LIMIT BY ICP IS 3 PPM.  
- SAMPLE TYPE: ROCK AU\* ANALYSIS BY AA FROM 10 GRAM SAMPLE.

ASSAYER: *D. Toye* DEAN TOYE, CERTIFIED B.C. ASSAYER

I.M. WATSON & ASSOCIATES PROJECT-SAD File # 87-3383

SAMPLE#	CU PPM	PB PPM	AG PPM	AU* PPB
SAD-1681	3	2	.1	1
SAD-1682	2	2	.1	1
SAD-1683	55	13	.2	4
SAD-1684	54	12	.1	1
SAD-1685	22	8	.1	1
SAD-1686	2	5	.1	1
SAD-5086	4	9	.1	1
SAD-5087	6	10	.1	2
SAD-5088	31	10	.1	1
SAD-5089	63	11	.2	1
SAD-5090	77	9	.2	2
SAD-5134	68	13	.3	1
SAD-5135	113	11	.1	1
SAD-5136	8	13	.2	1
SAD-5137	34	12	.1	1
STD C/AU-R	58	40	7.3	510

ACME ANALYTICAL LABORATORIES  
852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6  
PHONE 253-3158 DATA LINE 251-1011

DATE RECEIVED: AUG 24 1987

DATE REPORT MAILED: *Aug 31/87*...

### GEOCHEMICAL ICP ANALYSIS

.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 CA P LA CR MG BA TI B W AND LIMITED FOR NA AND K. AU DETECTION LIMIT BY ICP IS 3 PPM.  
- SAMPLE TYPE: P1-CORE P2-CORE/ROCK AU\* ANALYSIS BY AA FROM 10 GRAM SAMPLE.

ASSAYER: *D. Toye* DEAN TOYE, CERTIFIED B.C. ASSAYER

I.M. WATSON & ASSOCIATES PROJECT-SAD File # 87-3567 Page 1

SAMPLE#	CU PPM	PB PPM	AG PPM	AU* PPB
<i>Sublot 29</i> G-1701	61	11	.3	1
G-1702	60	11	.6	63
G-1703	31	15	.3	4
G-1704	37	9	.3	6
G-1705	6	7	.3	1
G-1706	82	9	.3	12
G-1707	115	11	.4	15
G-1708	101	11	.3	1
G-1709	35	7	.3	1
G-1710	63	9	.2	1
G-1711	56	7	.4	1
G-1712	48	11	.3	1
G-1713	68	9	.2	1
G-1714	11	7	.2	1
G-1715	69	7	.3	1
G-1716	2	10	.3	2
G-1717	5	10	.2	1
G-1718	62	251	5.6	660
G-1719	83	243	6.9	630
G-1720	62	30	5.2	605
G-1721	42	46	2.9	360
G-1722	51	9	.5	37
G-1723	64	10	.9	103
G-1724	27	12	.2	2
G-1725	24	10	.5	52
G-1726	6	9	.2	7
G-1727	60	9	1.5	179
G-1728	43	9	1.3	168
G-1729	34	26	4.4	580
G-1730	56	10	.6	67
G-1731	83	13	2.9	370
G-1732	71	10	2.1	330
G-1733	88	10	2.8	370
G-1734	94	7	1.1	157
G-1735	53	7	2.0	250
G-1736	69	7	2.3	380
STD C/AU-R	58	42	7.3	520

SAMPLE#	CU PPM	PB PPM	AG PPM	AU* PPB
G-1737	69	12	2.7	360
G-1738	123	14	1.5	460
G-1739	146	5	1.9	320
G-1740	38	6	1.1	205
G-1741	235	8	.6	41
G-1742	34	4	.1	6
G-1743	49	3	.2	6
G-1744	62	3	.2	42
G-1745	21	12	.4	43
G-1746	30	8	.5	47
G-1747	123	6	1.2	205
G-1748	13	4	.1	5
G-1749	18	5	.1	3
G-1750	7	7	.1	3
G-1751	6	6	.1	1
F-5147	209	2	12.8	2680
STD C/AU-R	57	41	7.1	485

ACME ANALYTICAL LABORATORIES  
852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6  
PHONE 253-3158 DATA LINE 251-1011

DATE RECEIVED: AUG 27 1987  
DATE REPORT MAILED: *Sept 2/87*.....

**GEOCHEMICAL ICP ANALYSIS**

.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 CA P LA CR MG BA TI B W AND LIMITED FOR NA AND K. AU DETECTION LIMIT BY ICP IS 3 PPM.  
- SAMPLE TYPE: Rock Chips AU\* ANALYSIS BY AA FROM 10 GRAM SAMPLE.

ASSAYER: *D. Toye* DEAN TOYE, CERTIFIED B.C. ASSAYER

I.M. WATSON & ASSOCIATES PROJECT-SAD File # 87-3684

SAMPLE#	CU PPM	PB PPM	AG PPM	AU* PPB
SAD-1687	43	13	.4	3
SAD-1688	120	2	.3	2
SAD-1689	39	18	.6	1
SAD-1690	60	11	.4	3
SAD-1691	105	10	.5	1
SAD-1692	84	20	.8	5
SAD-3818	88	14	.3	2
SAD-3819	119	10	.1	1
SAD-3820	149	13	.6	1
SAD-3821	57	8	.1	4
SAD-3822	65	4	.4	1
SAD-3823	1	4	.1	2
SAD-3824	6	6	.1	2
SAD-3825	10	16	.1	1
SAD-3826	4	5	.1	1
SAD-5138	2	13	.3	3
SAD-5139	6	8	.2	1
SAD-5140	358	14	.3	18
SAD-5141	124	7	.3	4
SAD-5142	33	3	.2	1
SAD-5143	7	2	.2	1
SAD-5144	88	14	.6	1
SAD-5145	210	12	.3	1
SAD-5146	143	12	.5	1
STD C/AU-R	58	39	7.3	490

ACME ANALYTICAL LABORATORIES  
852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6  
PHONE 253-3158 DATA LINE 251-1011

DATE RECEIVED: AUG 28 1987  
DATE REPORT MAILED: *Sept 8/87.*

### GEOCHEMICAL ICP ANALYSIS

.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 CA P LA CR MG BA TI B W AND LIMITED FOR NA AND K. AU DETECTION LIMIT BY ICP IS 3 PPM.  
- SAMPLE TYPE: Core AU\* ANALYSIS BY AA FROM 10 GRAM SAMPLE.

ASSAYER: *D. Toye* DEAN TOYE, CERTIFIED B.C. ASSAYER

I.M. WATSON & ASSOCIATES PROJECT-SAD File # 87-3728 Page 1

SAMPLE#	CU PPM	PB PPM	AG PPM	AU* PPB
G-1752	17	2	.1	19
G-1753	27	2	.1	4
G-1754	46	2	.2	17
G-1755	24	8	.1	4
G-1756	31	2	.1	1
G-1757	152	2	.3	1
G-1758	102	3	.1	1
G-1759	197	5	.7	175
G-1760	10	2	.1	3
G-1761	11	10	.2	1
G-1762	35	5	.1	1
G-1763	263	9	1.2	93
G-1764	12	2	.1	1
G-1765	123	8	2.4	335
G-1766	12	3	.1	12
G-1767	106	9	.3	60
G-1768	309	4	26.0	3650
G-1769	49	2	.2	38
G-1770	14	4	.2	44
G-1771	7	5	.1	11
G-1772	40	19	2.6	325
G-1773	143	121	8.1	850
G-1774	19	20	.1	24
G-1775	26	39	.9	21
G-1776	71	9	1.2	9
G-1777	93	20	2.2	250
G-1778	43	27	.5	10
G-1779	86	35	.8	8
G-1780	34	15	.2	25
G-1781	70	26	.2	49
G-1782	41	13	.1	7
G-1783	61	8	.1	12
G-1784	55	7	.5	61
G-1785	21	16	.1	3
G-1786	40	2	.3	1
G-1787	74	2	.1	4
STD C/AU-R	62	40	7.5	485

SAMPLE#	CU PPM	PB PPM	AG PPM	AU* PPB
G-1788	46	2	.6	5
G-1789	56	3	.8	3
G-1790	36	9	.9	1
G-1791	28	2	.6	8
G-1792	20	5	.2	4
G-1793	11	33	.2	1
G-1794	57	19	.3	3
G-1795	69	2	.3	1
G-1796	104	2	.2	1
G-1797	79	2	.3	1
G-1798	100	2	.3	1
G-1799	99	2	.3	1
G-1800	116	2	.2	9
G-1801	88	2	.1	2
G-1802	109	3	.2	1
G-1803	138	4	.1	4
G-1804	116	2	.1	3
G-1805	104	2	.1	1
G-1806	101	3	.1	3
G-1807	110	2	.1	2
G-1808	110	2	.1	1
G-1809	123	2	.1	4
G-1810	119	2	.1	3
STD C/AU-R	61	39	7.5	510

ACME ANALYTICAL LABORATORIES

DATE RECEIVED: SEPT 2 1987

852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6

PHONE 253-3158

DATA LINE 251-1011 DATE REPORT MAILED:

*Sept 13/87*

### GEOCHEMICAL ICP ANALYSIS

.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 CA P LA CR MG BA TI B W AND LIMITED FOR NA AND K. AU DETECTION LIMIT BY ICP IS 3 PPM.

- SAMPLE TYPE: Core AU\* ANALYSIS BY AA FROM 10 GRAM SAMPLE.

ASSAYER: *D. Toye* DEAN TOYE, CERTIFIED B.C. ASSAYER

I. M. WATSON ASSOC. PROJECT-SAD File # 87-3847 Page 1

SAMPLE#	CU PPM	PB PPM	AG PPM	AU* PPB
G1811	51	5	.1	1
G1812	107	5	.2	1
G1813	1204	6	.5	1
G1814	145	3	.1	1
G1815	63	3	.1	1
G1816	56	3	.1	2
G1817	41	3	.1	1
G1818	39	6	.1	1
G1819	47	3	.1	1
G1820	43	5	.1	1
G1821	87	2	.1	1
G1822	121	8	.2	1
G1823	374	7	.4	1
G1824	547	6	.4	1
G1825	42	9	.2	30
G1826	14	9	.1	1
G1827	60	4	.1	1
G1828	54	5	.3	6
G1829	67	2	.6	3
G1830	67	2	.4	14
G1831	46	2	.4	4
G1832	61	2	.1	2
G1833	77	2	.1	1
G1834	64	5	.2	1
G1835	59	5	.2	1
G1836	74	3	.2	2
G1837	64	3	.2	1
G1838	83	5	.1	1
G1839	55	6	.3	1
G1840	50	2	.1	1
G1841	64	6	.1	1
G1842	100	6	.1	2
G1843	29	7	.1	1
G1844	30	6	.2	1
G1845	50	10	.2	1
G1846	90	13	.6	175
STD C/AU-R	62	40	7.2	510

SAMPLE#	CU PPM	PB PPM	AG PPM	AU* PPB
G1847	52	11	.1	1
G1848	58	9	.2	20
G1849	44	3	1.0	150
G1850	61	3	2.0	295
G1851	37	2	2.5	425
G1852	58	24	1.9	295
G1853	101	4	.3	12
G1854	70	3	.3	43
G1855	53	5	1.4	150
G1856	107	2	.2	9
G1857	16	3	.1	6
G1858	19	6	.2	1
G1859	46	6	.1	1
G1860	5	6	.2	1
G1861	11	4	.2	12
G1862	256	8	.6	35
G1863	95	12	1.5	235
G1864	27	5	.1	1
G1865	44	15	.2	2
G1866	25	3	.1	6
G1867	28	7	.1	1
G1868	76	157	6.6	850
G1869	32	12	.2	55
G1870	26	5	.9	132
G1871	33	9	.6	92
G1872	53	5	.3	64
G1873	209	86	7.9	980
G1874	76	7	.8	210
G1875	42	8	.2	22
G1876	27	6	.1	1
G1877	20	5	.4	60
G1878	69	5	1.6	230
G1879	38	3	.1	4
G1880	69	2	.1	1
G1881	75	6	.6	110
G1882	131	6	3.3	560
STD C/AU-R	60	39	6.8	485



SAMPLE#	CU PPM	PB PPM	AG PPM	AU* PPB
G1883	105	47	2.7	480
G1884	39	3	.1	8
G1885	60	5	.1	6
G1886	15	5	.1	1
G1887	35	2	.1	5
G1888	149	5	4.4	690
G1889	17	2	.2	72
G1890	67	4	.2	5
G1891	48	4	.3	58
G1892	277	3	1.5	240
G1893	26	6	.3	30
G1894	117	392	19.9	2800
G1895	43	5	.1	6
G1896	38	2	.4	71
G1897	157	3	1.5	173
G1898	138	5	.5	110
G1899	192	5	.3	39
G1900	71	3	.2	1
STD C/AU-R	61	39	6.9	510



SAMPLE#	CU PPM	PB PPM	AG PPM	AU* PPB
E 12001	49	20	.2	9
E 12002	71	29	.1	3
E 12003	79	12	.2	18
E 12004	51	17	.1	4
E 12005	208	14	2.2	320
E 12006	107	12	.1	1
E 12007	75	6	.3	29
E 12008	120	10	1.4	260
E 12009	116	7	.8	108
E 12010	53	10	.1	17
E 12011	164	5	2.7	430
E 12012	41	13	.1	2
E 12013	117	12	.5	76
E 12014	23	11	.2	1
E 12015	46	13	1.4	240
E 12016	10	9	.1	25
E 12017	28	13	.9	121
E 12018	31	6	.4	79
E 12019	25	13	1.5	168
E 12020	19	10	.3	37
E 12021	66	9	5.8	850
E 12022	46	5	1.4	221
E 12023	63	9	2.4	380
E 12024	233	72	7.1	860
E 12025	135	16	7.0	890
E 12026	77	5	3.7	560
E 12027	803	440	16.2	1890
E 12028	163	55	8.9	930
E 12029	90	103	2.8	240
E 12030	55	264	2.3	147
E 12031	90	151	2.2	128
E 12032	41	177	1.8	19
E 12033	32	121	1.7	35
E 12034	19	42	.5	14
E 12035	444	943	13.7	59
STD C/AU-R	61	39	7.2	485

ACME ANALYTICAL LABORATORIES  
852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6  
PHONE 253-3158

DATE RECEIVED: SEPT 15 1987

DATA LINE 251-1011 DATE REPORT MAILED:

*Sept. 26/87*

### GEOCHEMICAL ICP ANALYSIS

.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 CA P LA CR MG BA TI B W AND LIMITED FOR NA AND K. AU DETECTION LIMIT BY ICP IS 3 PPM.  
- SAMPLE TYPE: ROCK AU\* ANALYSIS BY AA FROM 10 GRAM SAMPLE.

ASSAYER: *D. Toyne* DEAN TOYE, CERTIFIED B.C. ASSAYER

I.M. WATSON PROJECT-SAD File # 87-4201 Page 1

SAMPLE#	CU PPM	PB PPM	AG PPM	AU* PPB
SAD-9101	13	9	.2	1
SAD-9102	111	6	.6	21
SAD-9103	12	8	.3	3
SAD-9104	26	6	.3	1
SAD-9105	145	8	.3	8
SAD-9106	229	9	.1	15
SAD-9107	144	8	.3	10
SAD-9108	613	10	1.2	162
SAD-9109	95	7	.3	7
SAD-9110	76	4	.1	8
SAD-9111	72	4	.1	2
SAD-9112	32	9	.5	2
SAD-9113	70	5	.4	1
SAD-9114	64	4	.4	3
SAD-9115	49	10	.5	10
SAD-9116	58	9	.4	12
SAD-9117	71	13	.6	13
SAD-9118	88	7	.3	9
SAD-9119	99	7	.7	27
SAD-9120	82	8	.6	35
SAD-9121	143	8	.6	36
SAD-9122	102	12	.8	75
SAD-9123	110	13	1.1	122
SAD-9124	87	6	.3	16
SAD-9125	93	9	.5	9
SAD-9126	200	67	1.0	20
SAD-9127	157	24	1.1	57
SAD-9128	58	5	.5	21
SAD-9129	86	2	.3	6
SAD-9130	91	5	.1	8
SAD-9131	131	10	.3	4
SAD-9132	159	7	.3	34
SAD-9133	221	7	.1	20
SAD-9134	200	3	.1	3
SAD-9135	178	7	.5	2
SAD-9136	838	6	1.0	11
STD C	56	34	6.9	-

SAMPLE#	CU PPM	PB PPM	AG PPM	AU* PPB
SAD-9137	122	6	.6	12
SAD-9138	100	3	.3	10
SAD-9139	65	4	.2	9
SAD-9140	428	4	.4	8
SAD-9141	165	11	.3	8
SAD-9142	182	21	.8	102
SAD-9143	139	60	1.6	310
SAD-9144	109	5	.2	1
SAD-9145	132	6	.4	2
SAD-9146	152	5	.3	1
SAD-9147	132	4	.5	1
SAD-9148	71	4	.2	1
SAD-9149	72	3	.2	4
SAD-9150	17	3	.2	3
SAD-9151	43	4	.2	1
SAD-9152	30	4	.2	1
SAD-9153	9	5	.3	5
SAD-9154	19	3	.3	1
SAD-9155	46	4	.2	1
SAD-9156	82	2	.3	1
SAD-9157	44	2	.1	1
SAD-9158	66	4	.2	5
SAD-9159	48	4	.2	1
SAD-9160	11	6	.3	1
SAD-9161	240	9	1.0	177
STD C/AU-R	57	41	7.0	530

ACME ANALYTICAL LABORATORIES  
852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6  
PHONE 253-3158

DATE RECEIVED: SEPT 18 1987

DATA LINE 251-1011 DATE REPORT MAILED: *Oct 2/87*

### GEOCHEMICAL ICP ANALYSIS

.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 CA P LA CR MG BA TI B W AND LIMITED FOR NA AND K. AU DETECTION LIMIT BY ICP IS 3 PPM.  
- SAMPLE TYPE: P1-3 CORE P4-PAN-CONS. AU\* ANALYSIS BY AA FROM 10 GRAM SAMPLE.

ASSAYER: *D. Toye* DEAN TOYE, CERTIFIED B.C. ASSAYER

I.M. WATSON PROJECT-SAD File # 87-4310 Page 1

SAMPLE#	CU PPM	PB PPM	AG PPM	AU* PPB
SAD-16101	98	4	.1	2
SAD-16102	110	2	.1	2
SAD-16103	93	4	.1	1
SAD-16104	166	4	.3	3
SAD-16105	335	4	.2	2
SAD-16106	114	3	.1	14
SAD-16107	119	3	.2	4
SAD-16108	83	4	.1	4
SAD-16109	89	4	.2	4
SAD-16110	73	3	.1	9
SAD-16111	100	4	.2	3
SAD-16112	92	4	.1	2
SAD-16113	111	6	.2	1
SAD-16114	101	6	.4	34
SAD-16115	67	11	1.5	220
SAD-16116	49	6	.5	48
SAD-16117	64	4	.4	5
SAD-16118	64	5	.2	1
SAD-16119	103	3	.2	1
SAD-16120	57	4	.1	1
SAD-16121	59	5	.3	2
SAD-16122	75	4	.1	2
SAD-16123	54	5	.1	1
SAD-16124	76	3	.1	1
SAD-16125	54	5	.1	3
SAD-16126	54	3	.1	2
SAD-16127	65	7	.2	1
SAD-16128	78	4	.2	1
SAD-16129	58	6	.1	4
SAD-16130	81	6	.2	7
SAD-16131	5	8	.1	2
SAD-16132	6	8	.1	1
SAD-16133	10	7	.1	8
SAD-16134	7	8	.1	1
SAD-16135	23	6	.4	1
SAD-16136	169	10	.5	73
STD C/AU-R	58	37	7.2	520

SAMPLE#	CU PPM	PB PPM	AG PPM	AU* PPB
SAD-16137	317	14	1.7	127
SAD-16138	38	12	.4	9
SAD-16139	43	9	.2	1
SAD-16140	17	9	.1	1
SAD-16141	68	6	.1	3
SAD-16142	248	9	.2	4
SAD-16143	32	8	.1	1
SAD-16144	41	8	.1	1
SAD-16145	97	12	.5	55
SAD-16146	33	12	.1	18
SAD-16147	11	5	.4	47
SAD-16148	111	1734	67.6	8490
SAD-16149	46	159	6.1	710
SAD-16150	28	15	.6	69
SAD-16151	49	6	.2	10
SAD-16152	27	7	1.0	108
SAD-16153	8	4	.3	35
SAD-16154	32	6	.4	62
SAD-16155	65	5	.5	54
SAD-16156	72	184	8.7	1120
SAD-16157	99	133	4.7	565
SAD-16158	133	41	4.9	515
SAD-16159	176	8	5.5	605
SAD-16160	59	10	4.4	570
SAD-16161	119	657	20.3	2260
SAD-16162	80	69	15.8	1465
SAD-16163	84	8	1.9	280
SAD-16164	39	5	.2	20
SAD-16165	42	5	.2	1
SAD-16166	26	4	.1	1
SAD-16167	25	5	.1	1
SAD-16168	109	6	1.3	220
SAD-16169	72	5	1.9	255
SAD-16170	32	4	.5	26
SAD-16171	55	6	2.5	310
SAD-16172	111	5	.9	84
STD C	58	40	7.3	-

SAMPLE#	CU PPM	PB PPM	AG PPM	AU* PPB
SAD-16173	64	2	.4	97
SAD-16174	90	4	1.1	210
SAD-16175	92	4	.5	146
SAD-16176	69	6	1.4	165
SAD-16177	75	3	1.5	215
SAD-16178	123	3	1.1	158
SAD-16179	55	3	.1	31
SAD-16180	102	4	1.3	240
SAD-16181	60	4	.5	85
SAD-16182	103	3	1.6	220
SAD-16183	52	5	.3	87
SAD-16184	96	2	2.3	350
SAD-16185	12	2	.1	2
SAD-16186	141	3	.2	7
SAD-16187	65	2	.2	23
SAD-16188	109	2	.2	5
SAD-16189	201	2	1.5	193
SAD-16190	81	4	2.2	184
SAD-16191	75	3	.6	132
SAD-16192	25	2	.3	38
SAD-16193	35	2	.2	17
SAD-16194	9	2	.1	1
SAD-16195	13	2	.1	1
SAD-16196	10	2	.1	1
SAD-16197	62	3	2.9	380
SAD-16198	150	3	.3	31
SAD-16199	14	4	.2	7
SAD-16200	7	3	.1	1
STD C/AU-R	57	38	7.2	510

SAMPLE#	CU PPM	PB PPM	AG PPM	AU* PPB
SAD-5039	44	5	.1	3
SAD-5040	45	9	.1	29
SAD-5041	45	8	.1	5



ACME ANALYTICAL LABORATORIES  
852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6  
PHONE 253-3158

DATE RECEIVED: SEPT 21 1987

DATA LINE 251-1011 DATE REPORT MAILED: *Oct 2/87*

### GEOCHEMICAL ICP ANALYSIS

.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 CA P LA CR MG BA TI B W AND LIMITED FOR NA AND K. AU DETECTION LIMIT BY ICP IS 3 PPM.  
- SAMPLE TYPE: Core AU\* ANALYSIS BY AA FROM 10 GRAM SAMPLE.

ASSAYER: *D. Toye* DEAN TOYE, CERTIFIED B.C. ASSAYER

I.M. WATSON PROJECT-SAD File # 87-4328

SAMPLE#	CU PPM	PB PPM	AG PPM	AU* PPB
SAD-16201	70	7	.1	245
SAD-16202	52	3	.2	31
SAD-16203	109	5	.7	155
SAD-16204	101	3	1.1	245
SAD-16205	141	7	1.9	360
SAD-16206	86	5	.1	55
SAD-16207	195	4	6.5	920
SAD-16208	532	10	8.4	850
SAD-16209	33	35	7.7	845
SAD-16210	480	1009	39.0	2970
SAD-16211	51	31	1.3	109
SAD-16212	61	36	5.7	525
SAD-16213	54	14	.7	55
SAD-16214	44	44	1.0	75
SAD-16215	145	259	5.0	93
SAD-16216	54	87	2.5	41
SAD-16217	18	8	.1	4
SAD-16218	16	17	.5	26
SAD-16219	27	29	.8	85
SAD-16220	29	47	.1	23
SAD-16221	53	11	.1	20
SAD-16222	151	11	.8	20
SAD-16223	56	9	.2	18
SAD-16224	60	6	.4	21
SAD-16225	31	11	.1	9
SAD-16226	49	8	.1	11
SAD-16227	57	9	.1	5
SAD-16228	90	5	.2	2
SAD-16229	65	11	.1	3
SAD-16230	181	4	.1	6
STD C/AU-R	59	40	7.2	530



SAMPLE#	CU PPM	PB PPM	AG PPM	AU* PPB
E 16267	184	11	5.8	690
E 16268	81	5	4.6	625
E 16269	86	8	2.6	280
E 16270	56	6	2.4	350
E 16271	64	6	1.5	230
E 16272	58	7	4.6	625
E 16273	49	10	2.9	460
E 16274	83	10	1.1	182
E 16275	84	8	1.8	230
E 16276	115	10	2.3	215
E 16277	56	21	8.0	770
E 16278	106	5	1.0	98
E 16279	64	2	1.2	119
E 16280	78	5	.9	151
E 16281	508	97	7.1	890
E 16282	60	7	2.5	260
E 16283	39	6	.1	14
E 16284	14	5	.1	4
E 16285	11	5	.1	2
E 16286	12	6	.1	5
E 16287	16	4	.1	3
E 16288	172	5	1.5	133
E 16289	124	2	1.5	225
E 16290	27	5	.1	11
E 16291	34	6	.1	1
E 16292	20	3	.1	2
E 16293	179	2	1.3	161
E 16294	25	5	.1	15
E 16295	36	4	.3	75
E 16296	114	3	.8	143
E 16297	128	4	1.5	250
E 16298	81	2	.1	26
E 16299	84	2	.6	86
E 16300	50	2	.3	47
STD C/AU-R	62	39	7.3	-

ACME ANALYTICAL LABORATORIES                      DATE RECEIVED: SEPT 22 1987  
 852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6  
 PHONE 253-3158                      DATA LINE 251-1011 DATE REPORT MAILED: *Oct 3/87*

**GEOCHEMICAL ICP ANALYSIS**

.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 CA P LA CR MG BA TI B W AND LIMITED FOR NA AND K. AU DETECTION LIMIT BY ICP IS 3 PPM.  
 - SAMPLE TYPE: Core      AU\* ANALYSIS BY AA FROM 10 GRAM SAMPLE.

ASSAYER: *D. Key* DEAN TOYE, CERTIFIED B.C. ASSAYER

I.M. WATSON PROJECT-SADIM      File # 87-4429      Page 1

SAMPLE#	CU PPM	PB PPM	AG PPM	AU* PPB
16301	172	2	.2	51
16302	15	3	.1	1
16303	39	5	.1	1
16304	42	8	.1	1
16305	9	8	.1	1
16306	21	11	.1	2
16307	34	6	.1	47
16308	89	2	.9	124
16309	49	8	.1	10
16310	170	6	.3	3
16311	243	5	2.5	410
16312	26	5	.1	23
16313	15	4	.1	1
16314	27	3	.3	21
16315	315	6	2.1	305
16316	87	6	.2	107
16317	45	7	.6	141
16318	77	10	.6	152
16319	266	14	2.9	290
16320	315	33	1.4	121
16321	183	25	.8	115
16322	111	83	4.0	480
16323	80	225	2.9	13
16324	10	55	.6	5
16325	7	11	.1	3
16326	108	6	.2	5
16327	302	8	.3	16
16328	46	9	.1	7
16329	168	4	.6	114
16330	39	5	.1	4
16331	51	8	.1	3
16332	8	4	.1	1
16333	91	4	.1	4
16334	7	2	.1	1
16335	39	5	.1	6
16336	67	7	.1	4
STD C/AU-R	59	41	6.9	510

SAMPLE#	CU PPM	PB PPM	AG PPM	AU* PPB
16337	104	3	.1	5
16338	238	7	.2	4
16339	6	5	.1	1
16340	39	14	1.1	37
16341	137	3	3.6	505
16342	16	5	.2	39
16343	13	2	.1	11
16344	28	2	.1	6
16345	109	4	.1	7
16346	116	5	.2	6
16347	89	8	.5	79
16348	37	4	.1	9
16349	302	100	31.7	3020
16350	226	14	9.5	1510
16351	68	5	.7	112
16352	23	3	.1	7
16353	101	7	.2	9
16354	40	4	.1	4
16355	30	2	.1	51
16356	36	2	.1	5
16357	28	6	.1	4
16358	26	4	.1	4
16359	178	2	.6	7
16360	23	2	.1	1
16361	79	5	.2	5
16362	269	5	.3	3
16363	247	6	.1	1
16364	110	8	.2	3
16365	170	4	.1	6
16366	214	3	.2	11
16367	176	7	.1	7
16368	140	4	.1	5
16369	57	5	.1	16
16370	47	2	.1	3
16371	18	4	.2	2
16372	14	6	.1	3
STD C/AU-R	59	38	6.8	520

SAMPLE#	CU PPM	PB PPM	AG PPM	AU* PPB
16373	38	5	.3	8
16374	93	3	.2	12
16375	88	3	.5	9
16376	64	3	.1	15
16377	46	5	.1	4
16378	76	3	.1	25
16379	126	6	.4	58
16380	178	8	.2	60
16381	415	6	.1	11
16382	124	4	.3	5
16383	60	11	.1	4
16384	170	5	.2	8
16385	339	2	.4	7
16386	58	6	.1	3
16387	177	10	.7	93
16388	40	2	.4	7
16389	79	3	.2	2
16390	69	2	.5	2
16391	111	4	.6	4
STD C/AU-R	59	37	7.0	510

ACME ANALYTICAL LABORATORIES

DATE RECEIVED: SEPT 30 1987

852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6

PHONE 253-3158

DATA LINE 251-1011 DATE REPORT MAILED:

*Oct. 13/87.*

### GEOCHEMICAL ICP ANALYSIS

.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 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: Core AU\* ANALYSIS BY AA FROM 10 GRAM SAMPLE.

ASSAYER: *D. Toye* DEAN TOYE, CERTIFIED B.C. ASSAYER

I.M. WATSON PROJECT-SAD File # 87-4554 Page 1

SAMPLE#	CU PPM	PB PPM	AG PPM	AU* PPB
E 16392	17	6	.1	3
E 16393	226	8	.1	1
E 16394	77	9	.1	7
E 16395	34	9	.1	4
E 16396	20	4	.1	2
E 16397	23	7	.1	1
E 16398	23	4	.2	87
E 16399	44	6	.9	3
E 16400	69	14	.3	66
E 16401	35	5	.1	4
E 16402	9	17	.1	26
E 16403	8	13	.3	121
E 16404	16	9	.4	78
E 16405	144	7	1.3	205
E 16406	68	13	.4	81
E 16407	36	32	1.2	240
E 16408	99	5	.3	68
E 16409	32	8	.7	126
E 16410	86	413	16.7	1920
E 16411	53	9	.1	12
E 16412	45	6	.1	5
E 16413	17	7	.1	1
E 16414	80	7	.1	1
E 16415	9	5	.1	2
E 16416	35	10	1.9	305
E 16417	13	10	.1	1
E 16418	18	7	.4	87
E 16419	89	14	1.1	146
E 16420	3	8	.1	2
E 16421	8	2	.1	4
E 16422	22	14	1.3	205
E 16423	67	9	1.7	240
E 16424	11	5	.1	1
E 16425	47	7	.1	2
E 16426	14	5	.1	1
E 16427	127	6	.8	143
STD C/AU-R	61	40	7.4	505

SAMPLE#	CU PPM	PB PPM	AG PPM	AU* PPB
E 16428	64	2	.1	16
E 16429	39	4	.1	1
E 16430	31	3	.2	4
E 16431	103	2	.2	1
E 16432	74	2	.7	148
E 16433	77	6	3.5	520
E 16434	76	2	8.6	1300
E 16435	85	3	.3	32
E 16436	109	4	4.3	500
E 16437	82	33	6.6	810
E 16438	60	6	16.4	1920
E 16439	143	11	15.7	1620
E 16440	279	96	15.2	1360
E 16441	348	185	13.9	1290
E 16442	122	74	5.8	740
E 16443	201	31	9.1	1100
E 16444	18	11	2.8	390
E 16445	57	15	9.0	1120
E 16446	101	13	13.7	2100
E 16447	76	11	6.8	1070
E 16448	105	6	3.4	500
E 16449	50	4	.1	5
E 16450	62	3	.3	49
E 16451	94	2	1.2	220
E 16452	124	3	.1	14
E 16453	84	4	.2	37
E 16454	119	2	.3	31
E 16455	23	2	.1	1
E 16456	47	3	1.3	260
E 16457	48	2	.2	9
E 16458	145	2	.7	58
E 16459	49	2	.3	41
E 16460	90	5	2.4	390
E 16461	112	5	4.7	760
E 16462	115	2	.7	101
E 16463	22	4	.1	6
STD C/AU-R	59	40	7.1	510



SAMPLE#	CU PPM	PB PPM	AG PPM	AU* PPB
E 16464	29	3	.1	1
E 16465	84	2	.4	89
E 16466	99	5	.2	15
E 16467	132	3	1.6	230
STD C/AU-R	62	41	7.3	495
E 16468	36	2	.1	13
E 16469	100	5	.9	118
E 16470	73	2	.4	47
E 16471	28	2	.1	2
E 16472	113	2	.3	29
E 16473	176	6	.3	38
E 16474	129	5	.1	4
E 16475	98	2	.1	1
E 16476	64	4	.1	1
E 16477	95	2	.1	1
E 16478	139	13	.3	10
E 16479	93	44	.6	102
E 16480	83	178	1.7	15
E 16481	71	102	2.0	22
E 16482	42	102	1.4	18
E 16483	44	47	.9	10
E 16484	19	80	.6	7
E 16485	177	956	3.6	24
E 16486	53	68	1.1	8
E 16487	29	9	.1	1
E 16488	104	5	.4	1
E 16489	19	4	.2	1
E 16490	34	6	.3	2
E 16491	9	5	.1	3
E 16492	13	6	.1	2
E 16493	10	7	.1	3
E 16494	7	8	.1	1
E 16495	38	297	.2	1
E 16496	30	8	.2	1
E 16497	14	6	.1	2
E 16498	44	7	.1	1
E 16499	49	4	.1	1

SAMPLE#	CU PPM	PB PPM	AG PPM	AU* PPB
E 16500	23	4	.1	3
E 16501	40	6	.1	1
E 16502	33	6	.2	1
E 16503	29	4	.2	1
E 16504	34	2	.1	1
E 16505	56	9	.1	1
E 16506	42	2	.2	1
E 16507	36	3	.2	1
E 16508	40	3	.1	1
E 16509	28	6	.1	1
E 16510	40	8	.1	1
E 16511	16	5	.2	1
E 16512	19	7	.1	2
E 16513	73	2	.1	1
E 16514	34	6	.1	6
E 16515	15	5	.1	9
E 16516	20	9	.2	1
E 16517	8	7	.1	8
E 16518	23	7	.2	1
E 16519	40	4	.2	1
E 16520	57	4	.1	2
E 16521	31	4	.1	1
E 16522	37	2	.2	1
E 16523	72	3	.1	1
E 16524	12	6	.1	2
E 16525	51	2	1.8	250
E 16526	61	5	.1	14
E 16527	45	5	.1	10
E 16528	87	9	.3	4
E 16529	23	5	.1	6
E 16530	101	6	.1	13
E 16531	22	2	.1	1
E 16532	149	6	.3	64
E 16533	34	2	.1	8
E 16534	17	2	.1	6
E 16535	8	4	.1	11
STD C/AU-R	60	40	7.3	485

SAMPLE#	CU PPM	PB PPM	AG PPM	AU* PPB
E 16536	125	3	.4	110
E 16537	367	2	.7	124
E 16538	185	5	.1	6
E 16539	92	2	.1	1
E 16540	11	3	.1	4
E 16541	978	2	.5	15
E 16542	106	2	.1	18
E 16543	13	2	.1	1
E 16544	60	4	.1	3
E 16545	214	2	.3	1
E 16546	903	2	1.2	1
STD C/AU-R	60	35	6.9	480