MAP NO.: 116 A /4, 5

ASSESSMENT REPORT X

PROSPECTUS

CONFIDENTIAL X

OPEN FILE

DOCUMENT NO: 093010

MINING DISTRICT: Dawson

TYPE OF WORK: Geochemical Sampling
Geological Mapping

REPORT FILED UNDER: Tombstone Explorations Co. Ltd.

DATE PERFORMED: July 2 - August 8, 1991.

DATE FILED: DECEMBER 30, 1991

LOCATION: **LAT.:** 64°16'N
LONG.: 137°54'W

AREA: Mike Lake Area

VALUE $: 103,400.00

CLAIM NAME & NO.:
Lorrie 1 - 56, Lorrie 80 - 81, Lorrie 103 - 133,
Lorrie 135 - 232.
Jamie 1 - 215.

GRANT NUMBER TOO NUMEROUS TO LIST. FOR ACCURACY CHECK OWNERSHIP CARD

WORK DONE BY: David Strain

WORK DONE FOR: Tombstone Explorations Co. Ltd.

DATE TO GOOD STANDING:

REMARKS: # 116 - A - Mike Lake Area
The property consists of upper Proterozoic and lower Cambrian sedimentary rocks of the Selwyn Basin which are intruded by syenite plugs and dykes of Cretaceous age. Mapping identified four types of mineralization. The area considered most likely to contain economic quantities of gold occurs between the North Vein and Nit Lake. Continued exploration is planned by company.

VOLUME I OF II

Geological and Geochemical Report

on the

LORRIE PROPERTY

Dawson Mining District
Yukon Territory

NTS: 116A/4,5
Latitude 64°16'N Longtitude 137°54'W

Owner of Claims: Tombstone Explorations Co. Ltd.

By: David M. Strain
Placer Dome Exploration Limited
December 10, 1991

093010

This report has been examined by the Geological Evaluation Unit under Section 53 (4) Yukon Quartz Mining Act and is allowed as representation work in the amount of $ 103,400.00 .

Robert Dubluk

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

OFFICE OF THE REGIONAL MANAGER
MINERAL RIGHTS
JAN 08 1992
WHITEHORSE
YUKON TERRITORY

SUMMARY

Tombstone Explorations Company Ltd.'s property consists of 395 contiguous mineral claims in the Dawson Mining District, Yukon. It is accessible by helicopter from Dawson.

The 1991 exploration program by Placer Dome Exploration Ltd. consisted of prospecting, reconnaissance geological mapping, reconnaissance soil sampling and rock sampling. The overall cost of the program including office work and computer use was $173,549.

The property is underlain by upper Proterozoic and lower Cambrian sedimentary rocks of the Selwyn Basin. The sediments are intruded by syenite plugs and dykes of Cretaceous age. The intrusions have caused widespread thermal metamorphism forming variable biotite and calc-silicate hornfels aureoles. The extent of the hornfels suggests a larger intrusion at depth.

Four main types of mineralization have been identified on the property:

- Disseminated arsenopyrite in porous and/or reactive quartzite and calcareous grits of the Hyland Group.

- Shear related. Quartz-carbonate altered fault zones with quartz-sulphide lenses (Birdie and Bindie Zones), and jamesonite veins in the headwall of Lorrie Lake Cirque (Rimrock Occurrence).

- True skarn development in calcareous phyllite/limestone, north of Lorrie Lake.

- Veins or replacements adjacent to syenite dykes.

Potential for the argillite of the Kechika Group to host exhalative massive sulphides is indicated, but considered low.

Results of the soil and rock sampling suggest that the syenites were enriched in gold, arsenic and copper, and the argillite of the Kechika Group are enriched locally in silver, lead and zinc.

Mineralization and/or alteration similar to that at Brewery Creek was not identified on the property.

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SUMMARY (continued)

The area considered most likely to contain economic quantities of gold occurs between the North Vein and Nit Lake.

Continued exploration is warranted, and the following work is recommended:

-Trenching and rock sampling at the Birdie and Bindie Zones. An attempt to trace the structure to the east should also be undertaken.

-Grid establishment, soil and rock sampling, and geological mapping in the area of Skarn Ridge.

-Grid establishment, soil sampling, induced polarization surveys, and additional prospecting and rock sampling in the area between the North Vein and Nit Lake.

-Follow-up prospecting, mapping, soil and rock sampling of gold soil anomalies B-4194 to B-4196, and the two soil lines 1.5 km north of Nit Lake.

093010

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1.0 INTRODUCTION

1.1 LOCATION, ACCESS AND TOPOGRAPHY

The Lorrie property is located in central Yukon approximately 77 km east-northeast of Dawson City (Figure 1), centered on co-ordinates 64° 16' North Latitude and 137° 54' West Longitude, at the headwaters of Brewery and Aussie Creeks (NTS--116 A/4, 116 A/5, 116 B/1, 116 B/8).

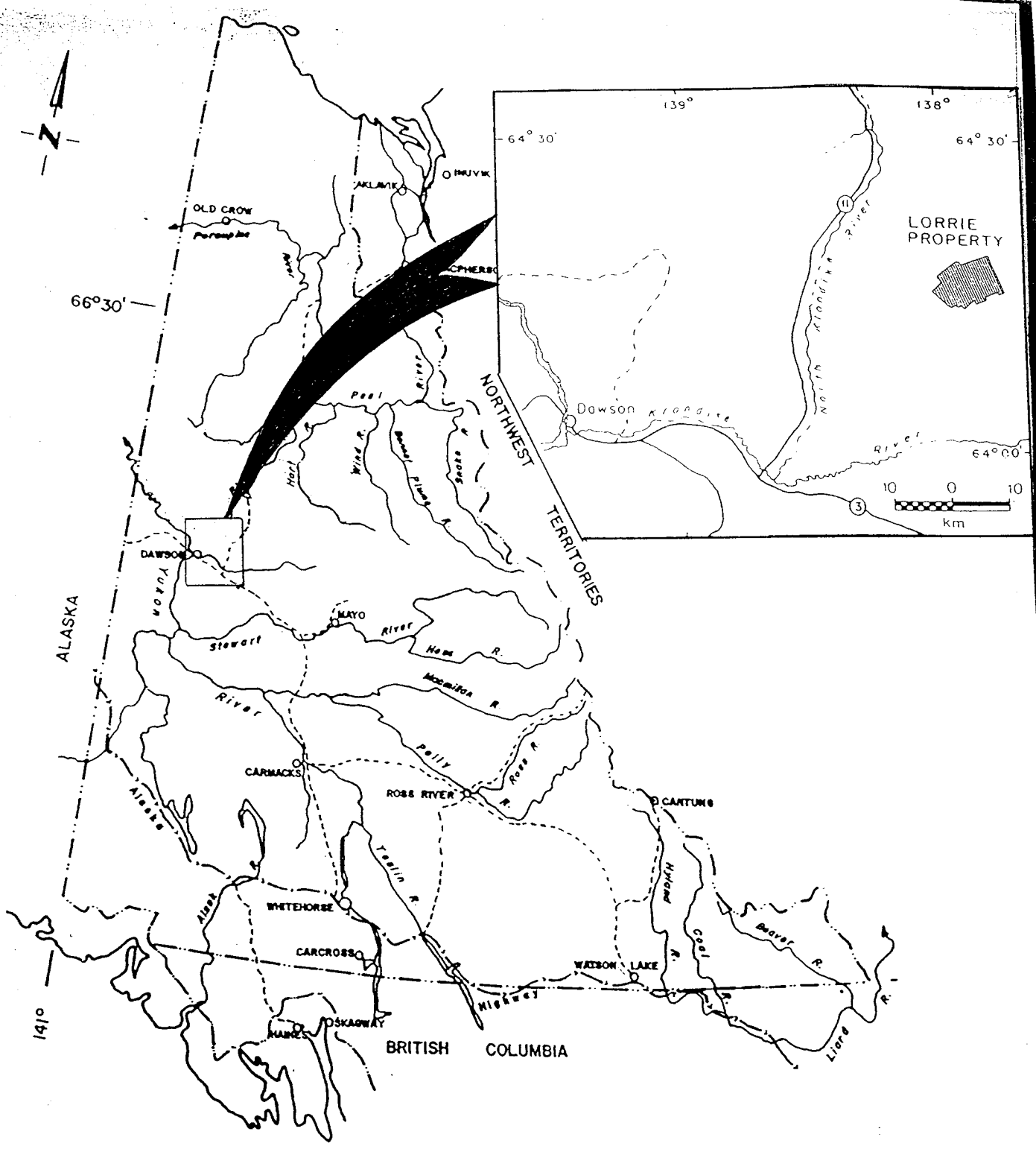
Access to the property is by helicopter from Dawson, a flight of 30 minutes. The 1991 Placer Dome Exploration fly-camp was mobilized from a highways maintenance camp on the Dempster Highway, 55 km north from the junction with the Klondike Highway.

The property is situated in the southern Ogilvie Mountians. The topography is quite rugged exhibiting precipitous north-facing slopes with large talus aprons, sharp peaks and ridges, and steep, grass and felsenmeer covered south-facing slopes. Elevations on the property range from 1070 m to 2040 m. The main drainages in the area (North Klondike River, Brewery and Hamilton Creeks) flow southward in broad, roughly north-south valleys, transecting a rather chaotic pattern of the subordinate drainages.

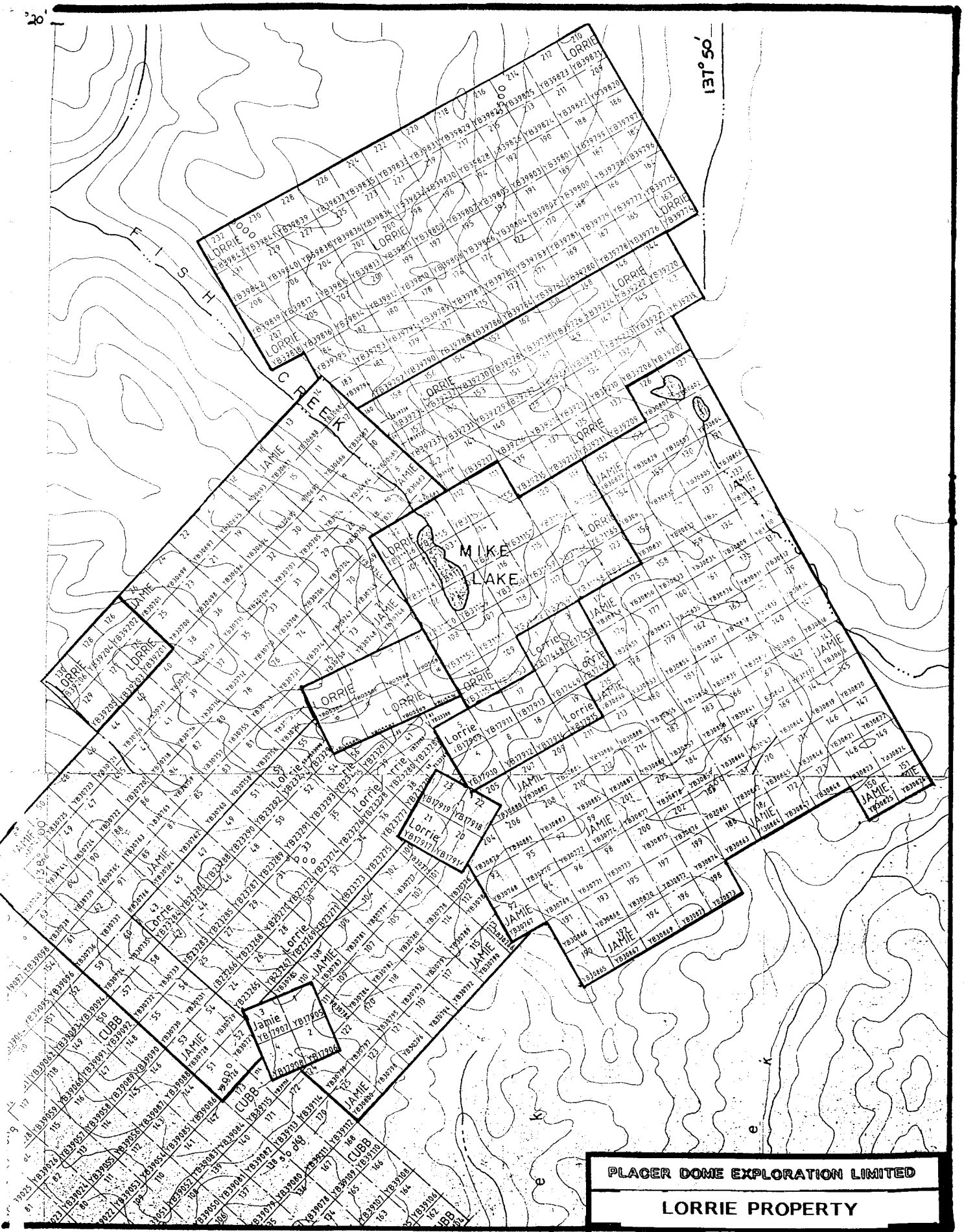
1.2 MINERAL CLAIMS

The Lorrie property is comprised of the Lorrie and the Jamie claims, consisting of 395 unsurveyed two-post mineral claims(Figure 2-Claim Location Map) , covering approximately 8220 ha in one contiguous block in the Dawson Mining District. (See Table 1 for a listing of claims and their new expiry dates.).

Walhala Explorations Ltd. acquired the Lorrie and Jamie claims by staking during the period 1987 to 1990. Walhala sold the claims to Tombstone Explorations Co. Ltd. in June 1990, retaining a 1.5% Net Smelter Return Interest.



PLACER DOME EXPLORATION LIMITED	
LORRIE PROPERTY	
LOCATION MAP	
Scale = 1 : 6,336,000	NTS: 116A Fig. # 1



PLACER DOME EXPLORATION LIMITED

LORRIE PROPERTY

CLAIM MAP

Scale = 1:61,645 | Fig.# 2

CLAIM	GRANT NO.	EXPIRY DATE	CLAIM	GRANT NO.	EXPIRY DATE
Lorrie 138	YB39214	31/12/91	Jamie 24	YB30699	31/12/93
Lorrie 145	YB39221	31/12/91	Jamie 26	YB30701	31/12/93
Jamie 51	YB30726	91/12/31	Jamie 45-50	YB30720-YB30725	31/12/93
Lorrie 209-232	YB39820-YB39843	25/01/92	Jamie 61-68	YB30736-YB30743	31/12/93
Lorrie 18-19	YB17914-YB17915	31/12/92	Jamie 86-91	YB30761-Yb30766	31/12/93
Jamie 98-99	YB30773-YB30774	31/12/92	Jamie 96	YB30771	31/12/93
Jamie 134-151	YB30809-YB30826	31/12/92	Jamie 118	YB30793	31/12/93
Jamie 158-203	YB30833-YB30878	31/12/92	Lorrie 211	YB39822	25/01/94
Jamie 209-215	YB30884-YB30890	31/12/92	Lorrie 6	YB17910	31/12/94
Lorrie 163-208	YB39774-YB39819	25/01/93	Lorrie 8	YB17912	31/12/94
Lorrie 126	YB39202	31/12/93	Lorrie 101	YB31145	31/12/94
Lorrie 128	YB39204	31/12/93	Lorrie 111	YB31155	31/12/94
Lorrie 130	YB39206	31/12/93	Lorrie 112	YB31156	31/12/94
Lorrie 146	YB39222	31/12/93	Lorrie 136-137	YB39212-YB39213	31/12/94
Lorrie 155-158	YB39231-YB39234	31/12/93	Lorrie 139-144	YB39215-YB39220	31/12/94
Jamie 13-14	YB30688-YB30689	31/12/93	Lorrie 147-154	YB39223-YB39230	31/12/94
Jamie 16	YB30691	31/12/93	Lorrie 159-162	YB39235-YB39238	31/12/94
Jamie 18	YB30693	31/12/93	Jamie 5-12	YB30680-YB30687	31/12/94
Jamie 20	YB30695	31/12/93	Jamie 15	YB30690	31/12/94
Jamie 22	YB30697	31/12/93	Jamie 17	YB30692	31/12/94

TABLE 1 - CLAIM DATA

CLAIM	GRANT NO.	EXPIRY DATE	CLAIM	GRANT NO.	EXPIRY DATE
Jamie 27-29	YB30702-YB30704	31/12/94	Jamie 1-4	YB17905-YB17908	31/12/95
Jamie 69-70	YB30744-YB30745	31/12/94	Jamie 19	YB30694	31/12/95
Jamie 92	YB30767	31/12/94	Jamie 21	YB30696	31/12/95
Jamie 94-95	YB30769-YB30770	31/12/94	Jamie 23	YB30698	31/12/95
Jamie 97	YB30772	31/12/94	Jamie 25	YB30700	31/12/95
Jamie 113	YB30788	31/12/94	Jamie 30-44	YB30705-YB30719	31/12/95
Jamie 204-208	YB30879-YB30883	31/12/94	Jamie 52-60	YB30727-YB30735	31/12/95
Lorrie 1-4	YB17448-YB17451	01/12/95	Jamie 71-85	YB30746-YB30760	31/12/95
Lorrie 5	YB17909	31/12/95	Jamie 93	YB30768	31/12/95
Lorrie 7	YB17911	31/12/95	Jamie 100-112	YB30775-YB30787	31/12/95
Lorrie 9-17	YB5584-YB5591, YB17913	31/12/95	Jamie 114-117	YB30789-YB30792	31/12/95
Lorrie 20-23	YB17916-YB17919	31/12/95	Jamie 119-133	YB30794-YB30808	31/12/95
Lorrie 24-56	YB23265-YB23297	31/12/95	Jamie 152-157	YB30827-YB30832	31/12/95
Lorrie 80-81	YB23299-YB23300	31/12/95			
Lorrie 103-110	YB31147-YB31154	31/12/95			
Lorrie 113-125	YB31157-YB39201	31/12/95			
Lorrie 127	YB39203	31/12/95			
Lorrie 129	YB39205	31/12/95			
Lorrie 131-133	YB39207-YB39209	31/12/95			
Lorrie 135	YB39211	31/12/95			

TABLE 1 - CLAIM DATA

1.3 HISTORY

Records of prospecting in the area go back to 1917 when W. Walker staked some ground on Antimony Mountain, 15 km west of the Lorrie property. The Antimony, Gold (Cu, Ag, Pb, Zn) veins on Antimony Mt. have received sporadic exploration throughout the years, culminating in 1000m of diamond drilling by Anaconda in 1980, and mapping, soil sampling and geophysics by Total Energold in 1989.

In the mid 1960's, claims were located in the Mike Lake area (centrally located on the present Lorrie Property), by Hart River Mines Ltd. The ground was restaked in 1975 by Canalta Resources as the Mike claims. Canalta completed three diamond drill holes on an auriferous quartz-arsenopyrite-tourmaline vein just south of Mike Lake, and trenching on similar mineralization east of Mike Lake. In 1973 Belmoral Mines Ltd. performed work on the AS and GH claims, near Mike Lake, evaluating disseminated chalcopyrite and narrow arsenopyrite veins within and near porphyritic syenite. In 1985 Gallagher Explorations Ltd. conducted geological and geochemical work on ground covering the vein drilled by Canalta in 1975.

Short programs of prospecting and geological mapping were conducted on the Lorrie Property for Walhala Explorations Ltd. in 1988 and 1989 (Doherty, R.A.).

In 1990, the claims were sold to Tombstone Explorations Co. Ltd. who carried out an exploration program that year, consisting of prospecting, rock and stream sediment sampling. During this program, 200 rock samples, 129 stream sediment samples, and eight soil samples were collected (Report on the 1990 Geological and Geochemical Exploration Work on the Lorrie Property by H.Keyser and J. Laudon).

In 1989, Noranda discovered gold-antimony mineralization at Brewery Creek, 25 km southwest of the Lorrie property. Ongoing exploration there has outlined a significant reserve of low grade, mainly intrusive-hosted, thrust related epithermal gold.

2.0 ECONOMIC ASSESSMENT

The geologic setting at the Lorrie Property is similar to that at Brewery Creek, and this style of mineralization was the main target. Other styles of mineralization known to occur in the area are: stibnite with associated gold values hosted in aplite cutting syenite on Antimony Mountain; quartz veins containing pyrite, arsenopyrite, pyrrhotite and minor chalcopyrite and sphalerite, also on Antimony Mountain.

3.0 REGIONAL GEOLOGY (FIGURE # 3)

The Lorrie property is situated over Upper Proterozoic and Lower Palaeozoic miogeosynclinal sediments of the Selwyn Basin, between the Robert Service Thrust to the north and Tintina Fault to the southwest. West of the Tintina Trench lie crystalline rocks of the Yukon-Tanana terrane, and north of the Robert Service Thrust lie Mesozoic strata of the Selwyn Basin.

The Proterozoic-Palaeozoic sediments are intruded by mid-Cretaceous stocks, dykes and sills, members of the Tombstone intrusions. These mainly discordant bodies occur in a belt parallel to and approximately 45 km east of the Tintina Trench.

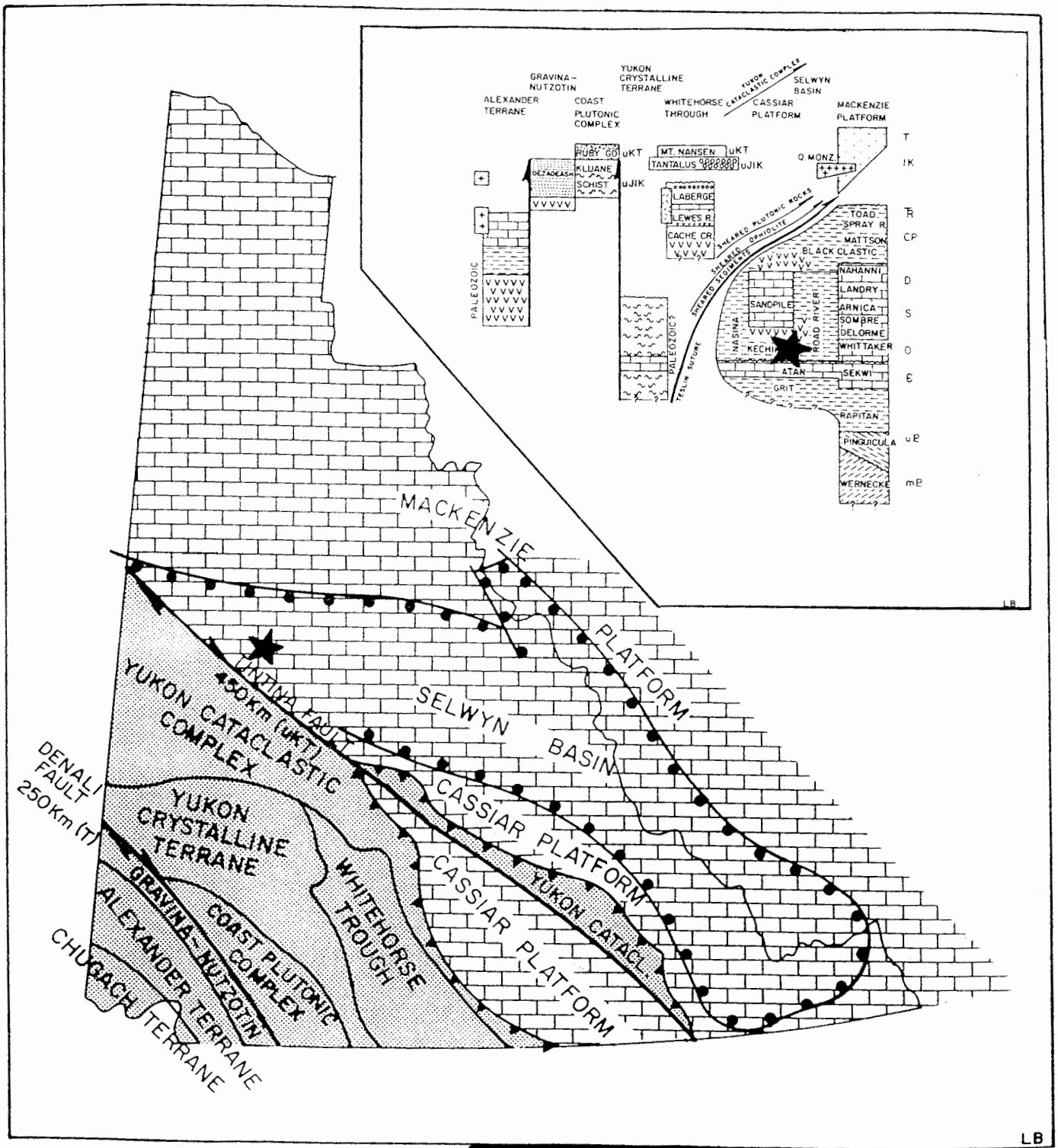
4.0 PROPERTY GEOLOGY (FIGURE # 8)

4.1 ROCK TYPES

4.1.1 Hyland Group (PCh)

The Hyland Group is herein defined as those areas underlain primarily by quartzite; however, as with the Kechika Group, a variety of lithologies exists.

At the northern claim boundary, maroon shale/phyllite was observed, sparsely interbedded with non-foliated, micaceous quartzite. Between the north claim boundary and Nit Lake, micaceous quartzite gives way to a succession of; light grey to orange weathering, varicoloured, thin to medium bedded, fine grained quartzite; light grey to slightly orange weathering, brown, soft laminated siltstone; dark weathering , dark brown siltstones, wackes and hornfels, lesser quartzite and fissile rusty shale to siltstone.



PLACER DOME EXPLORATION LIMITED	
LORRIE PROPERTY	
REGIONAL GEOLOGY	
Scale = 1 : 6,336,000	NTS: 116A Fig.# 3

The area between Nit Lake and the North Vein is underlain by interbedded quartzite, variable argillaceous sediments, ansparse quartz pebble grit. The quartzite is a light brown to orange weathering, bimodal, relatively thick bedded(0.5 m to 4.0 m), quartz arenite, which occurs as thicker sequences or as individual beds separated by argillaceous horizons. Argillites range from recessive, soft, pale earthy green mudstone, to resistant, hard, black, thick bedded, variably hornfelsed argillite and argillaceous siltstone. Beds of quartz pebble conglomerate to grit occur interspersed within the above described package. These units are 0.5 m to 5.0 m(?) thick, and comprised of 10 to 60%, 0.5 cm to 1.0 cm, subrounded quartz clasts supported by a matrix grading from pure quartz sand to actinolite-tourmaline-arsenopyrite. The latter type is interpreted to have resulted from metasomatism of an originally calcareous matrix. Mineralization at the North "Vein", Pebble Zone, and Nit Zones occurs in this unit.

4.1.2 Kechika Group (COk)

On the property, the Kechika Group is comprised of three distinct units:

- Calcareous Phyllite (COkshc)- Calcareous Phyllite occurs primarily inthe south part of the property. The unit weathers buff brown and varies from limestone to argillaceous limestone to calcareous siltstone, and displays well developed, undulatory slaty cleavage. Primary layering is locally discernable as laminae 0.3 cm to 1.0 cm in thickness, typical of flysch deposits.

- Calc-Silicate Hornfels (COkcs)- This unit represents the hornfelsed equivalent of the calcareous phyllite, and is the dominant lithology in the south and central part of the claims. These rocks are white weathering, resistant, very fine grained and siliceous with distorted and irregular banding. The colour of fresh surfaces ranges from pinkish white, light to dark green and brown to dark grey. Thin section studies by Barette recognized the assemblages tremolite, calcite, quartz, scapolite, diopside, and biotite, chlorite, alkali feldspar. Very fine grained plagioclase and epidote were identified by means of x-ray diffraction.

- Argillite (COkarg)- Argillaceous rocks south of the main contact between Hyland Group and Kechika Group are lumped under the name Argillite; however, a wide variation in lithology is indicated, as well as stratigraphic position. Generally, this unit forms the base

which underlies the calcareous phyllite/ calc-silicate hornfels, and rests upon Hyland Group.

Much of the argillite unit is rusty weathering, hard, very fine grained, black to dark purplish brown, pyrrhotitic hornfels. It is this lithology which forms the impressive gossans in the Mike Lake area. Pyrrhotite occurs as very fine disseminations in concentrations of 0.5 to 5.0%. Bedding and primary textures are often difficult to make out in these areas.

In a few localities, non-hornfelsed argillaceous sediments were observed, such as in the creek bed 600 m north of Lorrie Lake. Here we see a succession of well bedded dark grey siltstone, very fine grained, rhythmically bedded cherty siltstone, and thick bedded, medium dark grey weathering, grey micaceous grit. The micaceous grit is interbedded with argillaceous limestone(and/or calcareous siltstone and arenite), and rhythmically bedded shale.

Rusty weathering, black cherty argillite and siltstone occurs interfolded with calc-silicate hornfels, one kilometre south of the central syenite plug.

4.1.3 Syenite (Ksy)

Three plugs, one to two square kilometres in areal extent intrude the Hyland and Kechika Group rocks. These small intrusions are referred to as the south, central and north plugs, and as group have a northeast trend across the property. Numerous dykes, ranging in width from 0.5 m to 10.0 m, were mapped on all parts of the property; east-west and north-south trends predominate, but the dykes can have any orientation.

The syenitic plugs are generally medium grained, equigranular, aphyric, and composed of 60% subhedral orthoclase, 25% mafic minerals (biotite, clinopyroxene, opaque minerals), 15% plagioclase, and 5% anhedral quartz. The syenitic dykes are fine to medium grained and porphyritic, with phenocrysts of orthoclase, plagioclase, and biotite, ranging in size from 0.1 mm to more than 2.0 cm (Barrete, P., 1982).

Emplacement of the syenite has led to widespread contact metamorphism / metasomatism. The type of mineralogy developed is dependant on the affected lithology; rusty, biotitic hornfels developing

in argillaceous rocks, and calc-silicate hornfels in calcareous rocks. Local skarn development was also observed. The extent of hornfelsing does not appear compatible with the size of the mapped intrusions and suggests that they are connected at depth.

4.1.4 Gabbro (Kgab)

Outcrops of hornblende gabbro were mapped in creek beds north and east of Lorrie Lake. It is medium to dark grey weathering, jointed and irregularly fractured, very weakly magnetic, medium to coarse grained, and comprised of 50 to 60% hornblende, and 40 to 50% plagioclase. The unit attains widths of 10 m and has both concordant and discordant relationships with enclosing sediments.

4.2 STRUCTURAL GEOLOGY

Structure on the Lorrie Property is quite complex and remains poorly documented. Foliation and bedding measurements in the field give the impression of a fairly consistent homoclinal sequence; however, intense folding was observed in cliffs where contrasting lithologies occur. Observed folds occur as abrupt kinks in bedding and are tight to isoclinal with moderate south dipping, to nearly flat lying axial planes, and shallow, westward plunging fold axes (limited data).

4.2.1 Rock Fabric and Contacts

Strike and dip of bedding is very consistent at the property scale, especially within the Hyland Group. Sediments of the Hyland Group have an approximate average strike and dip of 105°/50°S, whereas the Kechika Group rocks show a similar average, but broader range in orientation, including some north dips.

Slaty cleavage is well developed in the calcareous phyllite, forming jaggedy shingles. The cleavage is subparallel to bedding, but has a more southerly average strike. Minor black, fissile shales were noted elsewhere within the Kechika Group, as well as in the argillaceous portions of the Hyland Group. Foliation in the form of slaty cleavage was not noted in the calc-silicate hornfels; they are very coherent and blocky weathering. The calc-silicate hornfels display colour banding which is believed to represent relict primary laminae.

The main contact between Hyland Group and Kechika Group was observed in only one location east of Mike Lake, and appears to be a conformable, gradational transition. This contact appears to warp to the north, just north of Mike Lake, but was not defined in this area. A gradational transition also occurs within the Kechika Group between the argillite and calc-silicate hornfels. Contacts between argillite and calcareous phyllite were not observed. Contacts between syenite and enclosing sediments in most places are steep and discordant, but a few sills were documented.

4.2.2 Faults

Steeply south dipping, east striking faults were observed at various locations across the property (Birdie/Bindie Zones, Lorrie Lake Cirque, South Vein, Bev Zone, and Pebble Zone). The type of movement on these structures is unknown, but is generally not thought to be great, as no changes in lithology occur across them. East-west trending structures marked by recessive zones and mineralized, brecciated talus, occur south of Nit Lake, and may represent thrust faults.

Local intense fracturing between 020° and 045° was noted on the property, which may have served as the control for the emplacement of certain dykes.

4.3 ALTERATION

Porphyry style hydrothermal alteration was not observed on the property. The syenites are generally quite fresh, exhibiting only weak deuteric alteration of hornblende(?). Some of the dykes have narrow pyrite/pyrrhotite halos with attendant weak silicification. The primary effect of the intrusions is thermal, hornfels being widespread on the property.

Intense quartz-carbonate alteration occurs at the Birdie and Bindie Zones, but is restricted to the confines of the faults, and does not affect the footwall or hanging wall for any appreciable distance.

4.4 MINERALIZATION

Four main styles of mineralization were observed on the Lorrie property:

- Skarn-like replacement of reactive matrix or clasts in calcareous grits. The North vein, Pebble-Zone, and the area between the Pebble-zone and the Nit Lake occurrences are of this type. The mineralization is mainly arsenopyrite in a disseminated form within grit horizons; gold values range from lows around 100 ppb in grit with low arsenopyrite, to a high of 2.28 oz/ton from a grab of nearly massive arsenopyrite. Galena, chalcopyrite and pyrite were also noted. Thrust faults and/or bedding planes and/or porous units provided channelways for solutions.

- Shear-related quartz-carbonate zones with quartz-sulphide lenses at the Birdie and Bindie Zones, and jamesonite, pyrrhotite, stibnite, chalcopyrite, sphalerite veins (1590 and 1620 m veins-Rimrock Occurrence) in the headwall of Lorrie Lake cirque. The sulphide veins carry high silver (up to 500 ppm) and negligible gold (100 ppb). The Birdie and Bindie Zones occur along a significant structure which was tested basically at one elevation by rock sampling, and by soil sampling over a 1000 m x 250 m x 20 m grid. Chip sampling on the Birdie Zone returned low gold values up to 362 ppb over 4.25 m; grab samples of the quartz-sulphide lenses from the Bindie Zone returned gold values to 0.405 opt. The soil sampling revealed highly anomalous gold (many > 1000 ppb) in talus fines, especially down-slope from the Bindie Zone. Approximately 3.0 km of the Birdie/ Bindie structure occur on the property, mainly beneath deep colluvium. Both shear related types cut "tight", very fine grained, calc-silicate hornfels.

- True skarn development in calcareous phyllite and limestone, north of Lorrie Lake. The calcareous unit is 50 to 100 m thick, but was not traced east of the Skarn Zone. The quartz-diopside-calcite-actinolite-wollastonite-axinite skarn is anomalous copper, gold and silver. One, six meter chip sample (B-3806) was taken of the skarn which returned values of 842 ppm Cu, 440 ppb Au, and 1.8 ppm silver. Control for mineralization appears to be simple proximity of the calcareous unit to syenite dykes, as no faults were observed in this area.

- Pyrrhotite-arsenopyrite-chalcopyrite-pyrite veins or replacements with gold, adjacent to syenite dykes. This style of mineralization was observed only within the Kechica Group sediments, the main example being the Bev Zone. Here, an east-west structure hosts porphyritic and fine grained, fractured syenite cutting hornfelsed argillite, cherty hornfels and calcareous argillite. Mineralization is spotty, but grabs of dark coloured actinolite-pyrrhotite pods returned gold values to 15 g/t (1990 sampling).

BIRDIE AND BINDIE ZONE

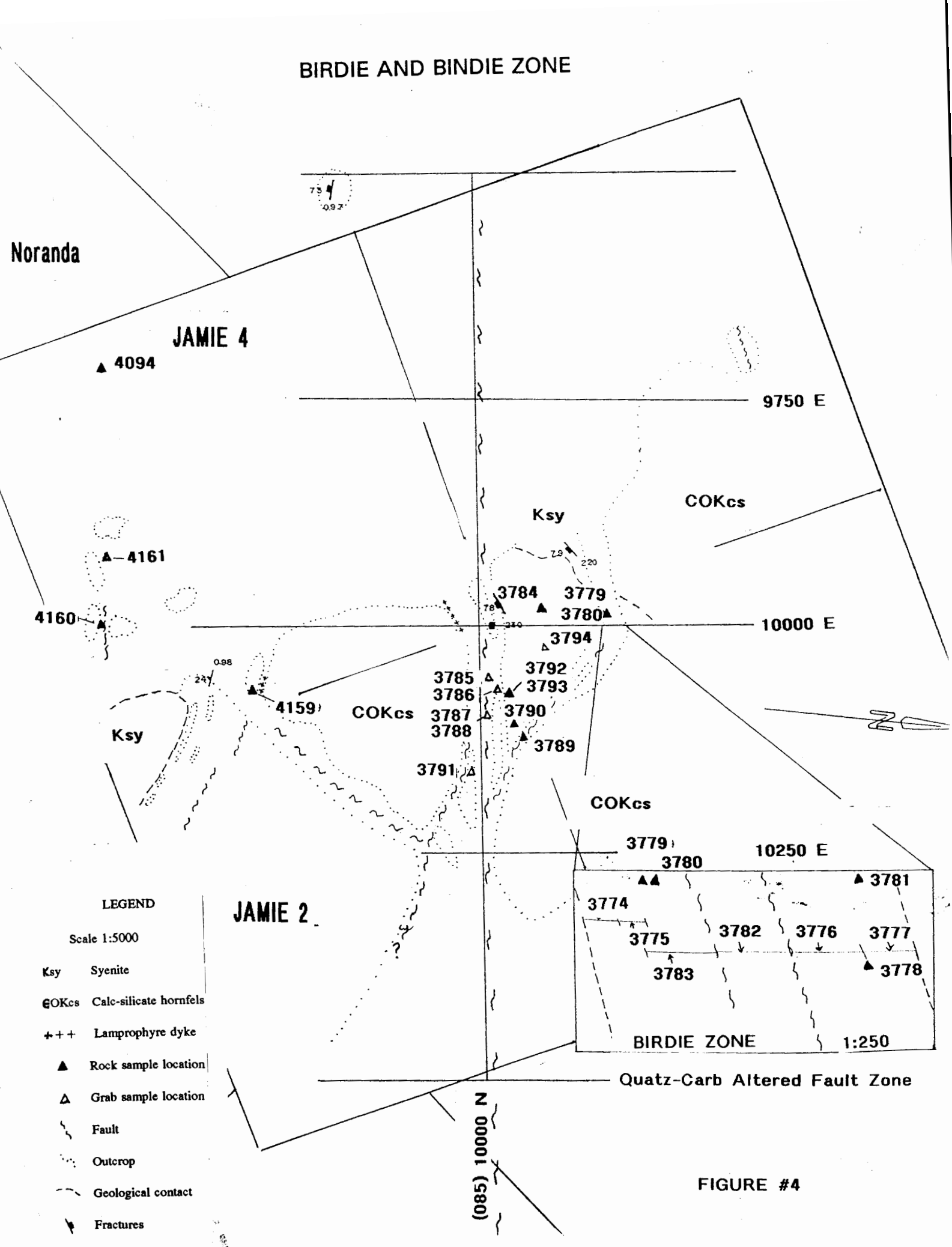


FIGURE #4

Samp. #	Width(m)	Au(ppb)	Ag(ppm)	Cu(ppm)	As(ppm)
3774	1.5	133	0.8	70	1308
3775	1.0	355	1.0	69	330
3776	4.0	32	0.5	31	42
3777	3.0	34	0.5	22	96
3778		<5	1.9	19	69
3779		86	37.0	78	144
3780		70	39.0	43	125
3781		<5	8.0	31	95
3782	1.1	297	0.6	24	17
3783	4.25	362	1.0	48	53
3784		1024	148.0	19	711
3785		5385	9.0	56	23.4%
3786		57	117.0	133	910
3787		<5	2.8	61	19.9%
3788		58	86.0	162	1779
3789	1.4	<5	1.6	11	0.32%
3790		>6000	4.0	14	33.07
3791		114	0.3	124	0.33%
3792		357	0.6	70	0.97%
3793		285	0.7	15	4.2%
3794		22	0.1	2	937
4094		44	4.6	1186	2244
4159	1.4	18	0.5	191	346
4160		>6000			
4161		61	0.8	134	3484

TABLE #2 LITHOGEOCHEMICAL DATA-BIRDIE & BINDIE ZONES

PEBBLE ZONE SAMPLE LOCATION

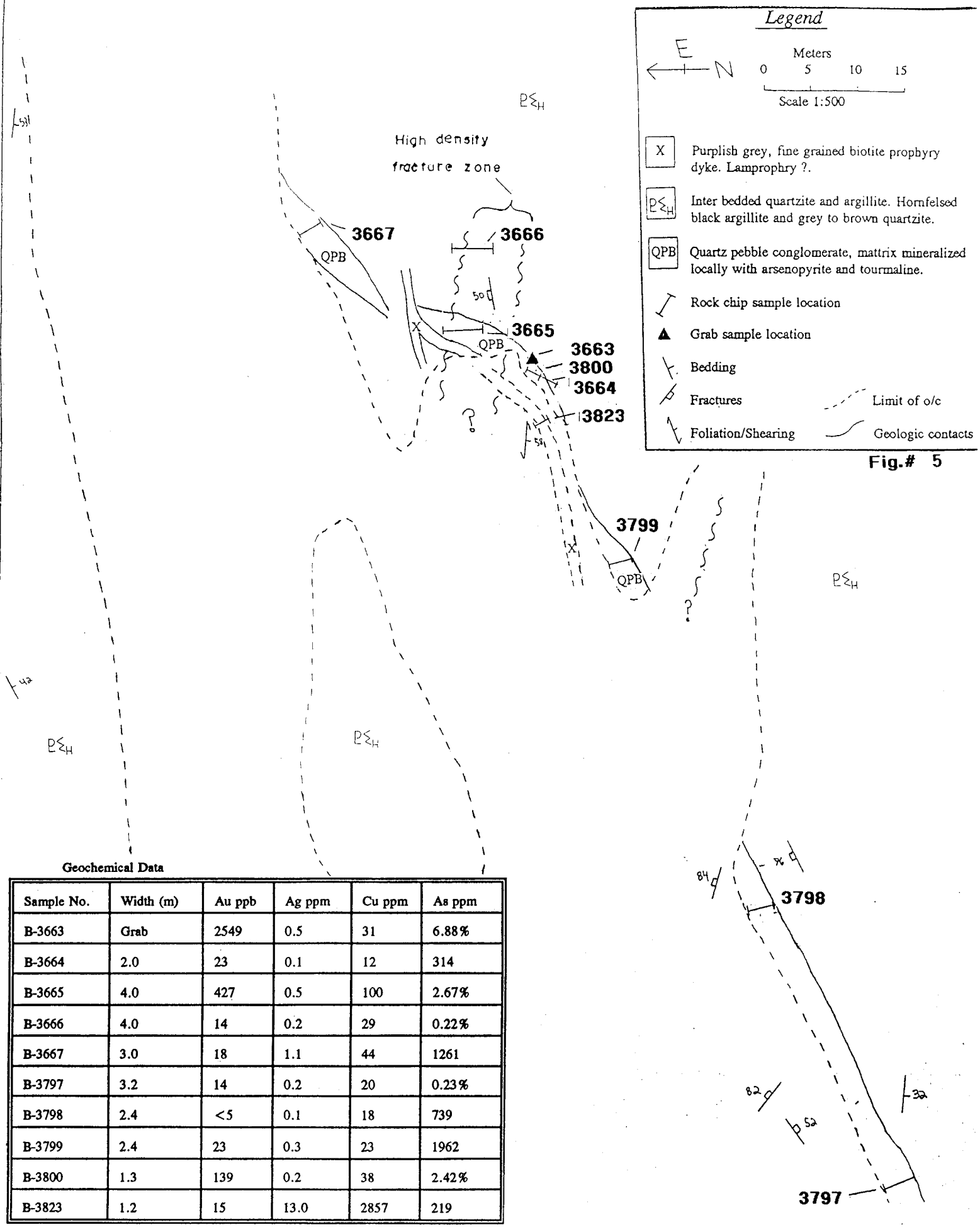


Fig.# 5

Geochemical Data

Sample No.	Width (m)	Au ppb	Ag ppm	Cu ppm	As ppm
B-3663	Grab	2549	0.5	31	6.88%
B-3664	2.0	23	0.1	12	314
B-3665	4.0	427	0.5	100	2.67%
B-3666	4.0	14	0.2	29	0.22%
B-3667	3.0	18	1.1	44	1261
B-3797	3.2	14	0.2	20	0.23%
B-3798	2.4	<5	0.1	18	739
B-3799	2.4	23	0.3	23	1962
B-3800	1.3	139	0.2	38	2.42%
B-3823	1.2	15	13.0	2857	219

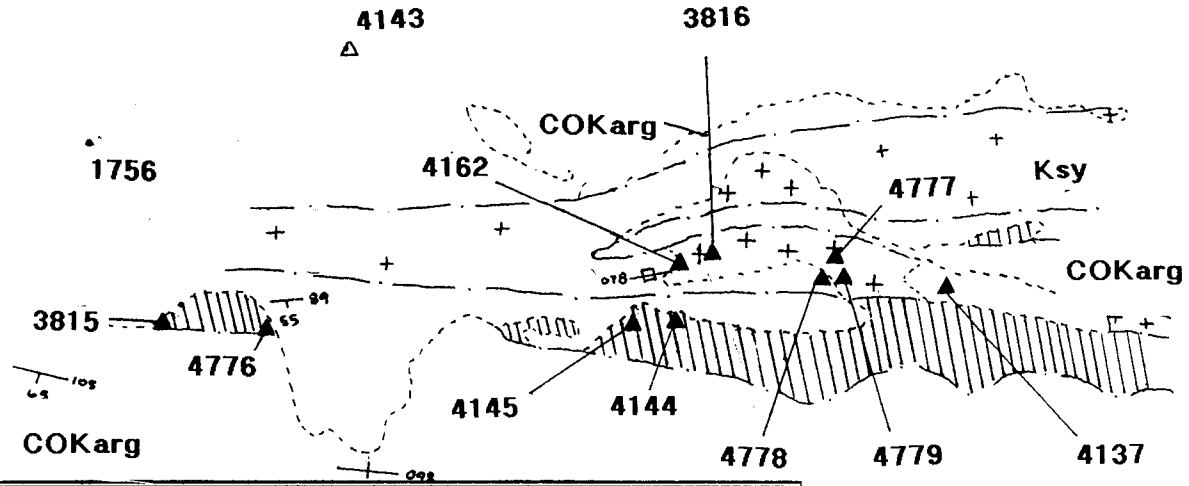
BEV ZONE

LEGEND

Scale 1:1000

Ksy	Syenite
€OKarg	Purple biotite hornfels with thin bedded sandstone and minor quartzite
	Po,cp,aspy and py mineralization in cherty hornfels; local dense black skarn
▲	Rock chip sample location
FH/△	Grab sample/location
●	Soil sample location
	Bedding, Fractures, Limit of o/c
	Geologic contacts

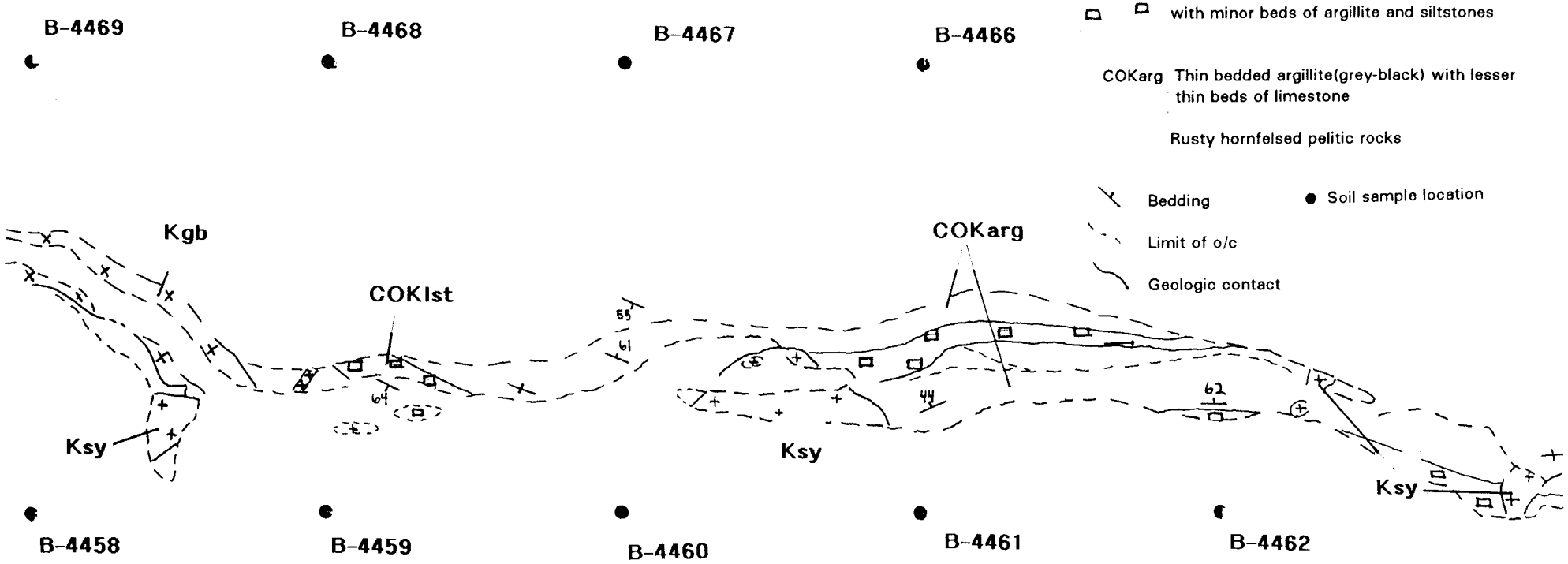
Fig.# 6



Geochemical Data

Samp. #	Width(m)	Au(ppb)	Ag(ppm)	Cu(ppm)	As(ppm)
3815	2.0	0.027opt	0.9	358	0.30%
3816	5.0	0.026opt	1.4	339	113
4137	FH	127	1.0	32	332
4143	FH	15	3.0	3792	4.44%
4144	2.0	148	0.5	366	1260
4145	3.0	476	0.6	430	253
4162	5.0	12	0.6	129	200
4776	1.85	29	1.6	2127	95
4777	2.4	23	0.5	130	79
4778	2.7	29	0.4	102	54

LORRIE LAKE CAMP GRID



LEGEND

Scale 1:1000

N

Ksy + Hbl-Bio syenite

Kgb × Hbl gabbro

COKlst Predominately thick bedded grey-black limestone with minor beds of argillite and siltstones

COKarg Thin bedded argillite(grey-black) with lesser thin beds of limestone

Rusty hornfelsed pelitic rocks

Bedding

Limit of o/c

Geologic contact

● Soil sample location

FIGURE #7

5.0 GEOCHEMICAL SURVEYS

Seven hundred and eighty two soil samples were collected during the course of the program. The two main objectives of the sampling were to follow-up the 1990 silt sampling program, and to gather data from below inaccessible areas (talus fines below cliffs). Most of the sampling was of a reconnaissance nature, soils being taken from specific elevations generally at 50m intervals. No orientation survey, per say, was undertaken because of the poor horizon development, and the highly variable nature of the terrain and soil conditions.

A total of 186 rock samples were collected and submitted for analyses. Of these 70 were grab samples of float, 52 were grab samples of bedrock and 64 were chip samples.

5.1 SOIL SAMPLING

5.1.1 Soil Development, Terrain, Vegetation

Most of the soils collected were from slopes ranging from 10° to 40°, and were basically of two types- poorly developed soil on grassy, moderate slopes, or talus fines with no soil horizon development or vegetation cover.

5.1.2 Sample Collection, Preparation and Analysis

Most soil sampling traverses were contour (altimeter) and hip-chain controlled. Samples were collected with either a mattock or small shovel, placed into standard kraft paper bags, and were labelled according to company sample tag numbers. These numbers, all prefixed by the letter B, were written on the outside of the sample bags, and on tyvex tags which mark the sample site. A portion of the sample tag was placed inside the sample bag for backup identification.

A total of 79 grid-labelled soils were collected from the Birdie/ Bindie Zone grid. Sample collection, preparation, and analytical methods were the same as for the reconnaissance-type soil samples, except that no tag was placed in the soil bag.

Most of the soils were sent first to Northern Analytical Laboratories where the samples were prepared and analyzed for gold. Once the gold analyses were completed for a particular batch, sample pulps were forwarded to Placer Dome Research Centre, where they were analyzed by ICP for a multi-element suite (see Appendix B for a description of this procedure).

5.1.3 Treatment and Presentation of Results

All soil results were separated into three data sets referred to as conventional soils, talus fines, and grid soils, and a basic statistical analysis run on each set. The analysis consisted of computer generated correlation matrices, frequency histograms and probability plots (Appendix C). The frequency histogram was examined for each element of each data set, and the first significant break in the bar graph was chosen as the threshold value for that element. The threshold values are listed on each map.

For the presentation of soil geochemical data, seven maps were produced; one showing sample identification numbers (Fig. 9), and one for each of the six elements chosen for presentation (Au, Ag, As, Cu, Pb, Zn; Figs. 10 to 15). All values greater than the threshold for each of the data sets are posted.

5.1.4 Discussion and Interpretation of Results

The soil sampling carried out was of a reconnaissance nature, with the exception of the Birdie-Bindie Zone grid sampling, and as such did not define any mineralized zones. The program was successful in giving geochemical signatures to various lithologies and mineralized zones, and in some cases, tracing mineralized structures and identifying potentially mineralized areas.

Correlation matrices show a moderate positive correlation between gold, and arsenic,copper, and silver in talus fines and in conventional soils. On the Birdie and Bindie Zone grid, gold did not correlate with any of the elements treated.

Numerous gold soil anomalies occur on the property. Outstanding gold anomalies include the Birdie and Bindie Zone area (also highly anomalous in As, Ag, Pb, Cu and Zn), and the area of two

soil lines 1.5 km north of Nit Lake; the northern-most line is also highly anomalous in arsenic and copper.

The Birdie and Bindie Zones are part of a complex, altered and mineralized fault structure in proximity to syenite. The geochemical results reflect the mineralization, but the values are perhaps somewhat magnified (especially gold), where samples were taken from confined chutes following mineralized structures.

The northern most soil line on the property is a string of 17 samples, of which seven contain greater than 300 ppb gold, five greater than 500 ppb, and one containing 0.75 g/t gold. The adjacent soil line immediately to the south is significantly anomalous in gold. This area is underlain mainly by syenite but no significant mineralization was noted which would explain this anomaly.

Other gold soil anomalies of merit include:

- A gold anomaly 2.5 km south of Mike Lake (samples B-4194 to 4198). These samples are below a unit of folded argillite, siltstone and chert, containing pyrite laminae.

- A moderate gold anomaly 1.0 km north east of Mike Lake (samples B-1661 to 1666, B-1840 and 1847). This area is underlain mainly by argillite, but skarn float, and evidence of faulting were noted here.

- The anomaly comprised of samples B-4224 to 4227 and 4229, east of the Pebble Zone. Although the anomaly is low order and of limited extent, it may be marking a continuation of the Pebble Zone structure.

- Gold anomalies in talus fines B-1726 to B-1734, at the "Fish Bowl" (interbedded and folded Calc-silicate and Argillite Hornfels cut by syenite dykes); Mike Lake Cirque (syenite of the central plug with numerous quartz-arsenopyrite veinlets); spotty gold highs at Nit Bowl (reflecting mineralized quartzite and fault structures).

A significant copper-arsenic-(spotty gold) anomaly occurs in the Skarn ridge/ Rubble Lake area. A skarn body of unknown dimensions, and syenite and gabbro dykes, underlie part of Skarn Ridge, and a persistent, 30 cm wide, massive arsenopyrite vein, as well as local malachite staining, were observed in the steep, north facing slope south of Rubble Lake. Talus fine samples below this slope did not

return any anomalous gold values. Weak copper ,arsenic and gold values occur in soils just northeast of Rubble Lake and may be reflecting a disseminated copper zone evaluated by Belmoral Mines Ltd. in 1973.

Base metal anomalies with local silver values underlain by Kechika Group sediments, may be related to syngenetic base metal sulphides in certain horizons.

5.2 ROCK SAMPLING

5.2.1 Sampling Procedure

Virtually all mineralization encountered was sampled. Sample size varied depending on the type of sample and amount of material available. All samples were identified by the same type of alpha-numeric code as the soil samples (B-1234), and sample sites marked with a tyvex tag secured to a rock with orange flagging tape.

5.2.2 Discussion of Results

Gold in rocks correlates positively with arsenic and copper. Silver shows a very strong positive correlation with lead and zinc, and a weak positive correlation with arsenic and copper. Statistical information can be seen in Appendix C.

In a general way, rock samples taken of mineralization from within Kechika Group contain higher concentrations of silver, lead, and zinc, than those taken of mineralization from the Hyland Group.

A total of 21 samples were taken from the Birdie and Bindie Zones. At the Birdie Zone (north splay), seven chip and four grab samples were taken. Gold values from the Birdie Zone were low, the best result was from a 4.25m chip sample(B-3783) which returned a value of 362 ppb. Grab samples B-3779 and 80 were high in silver, returning values of 37.0 and 39.0 ppm. Chip sampling was not possible at the Bindie Zone due to its recessive nature, but two samples, B-3785 and 3790 were high in gold and arsenic. Some very high silver, lead and zinc values were also obtained from the Bindie Zone. No copper values over threshold were returned from any of the samples at either zone.

Sampling of jamesonite veins,in Lorrie Lake Cirque, (Rim Rock occurrence) gave high values in silver, lead, zinc and arsenic, with negligible copper and gold.

Two chip and four grab samples of massive sulphide from the Phone Zone (2.5 km east of Lorrie Lake) returned very high values in silver, lead, zinc and arsenic, with anomalous copper and gold. This zone is very poorly exposed, and its nature of occurrence is poorly understood. However, its mineralogy, and the fact that it occurs in cherty argillites, suggests sedimentary hosted exhalite.

The highest copper value obtained from the property was float from Skarn Ridge (B-3809), which ran 1.07%. This sample also contained 4.20 g/t gold. A six meter chip sample of the skarn returned 842 ppm copper, and 440 ppb gold.

Eight chip samples and one grab sample were taken from the Bev Zone. The highest gold values obtained were from chip samples B-3815 and B-3816 which ran 0.93 and 0.90 g/t gold respectively. Anomalous silver, arsenic and copper values are common. Mineralization here is in cherty hornfels adjacent to a syenite dyke and is very spotty.

Sampling at the Pebble Zone failed to return significant gold mineralization, but numerous samples immediately to the north contain high gold and arsenic. The samples north of the Pebble Zone are quartzites and grits mineralized with arsenopyrite.

The three chip samples B-3825, B-4126 and B-4127, taken from a small, very gossanous, locally massive sulphide skarn, returned interesting gold values of 1.54 g/t, 3.10 g/t, and 10.52 g/t gold respectively. Sulphides present are arsenopyrite, chalcopyrite and pyrite. This showing occurs in quartzite and pebble conglomerate with some chert present, and appears to be a pod parallel to the slope.

Rock samples taken from the Nit Lake Cirque generally gave low gold values with the exception of sample B-3695, which returned a value of 1.84 g/t. This sample was taken from a very large breccia boulder, common to the immediate area. It also contained very high grades of silver, lead and arsenic. Abundant mineralized float was observed in this area, but no bedrock mineralization was found.

6.0 STATEMENT OF EXPENSES

Personnel: Field work July 2 to August 8, 1991 Office (report and computer plotting) October 18 to December 11, 1991	
J. Kowalchuck (District Geologist) field and office consultant 5 days @ $400 per day	$ 2,000.
G. Shevchenko (Senior Geologist) field orientation 1.5 days @ $315 per day	473.
D. Strain (Project Geologist) Field supervision and reporting 89.5 days @ $315 per day	28,193.
I. Coster (Geologist) field mapping 24.5 days @ $315 per day	7,718.
D. Brownlee (Contract services) field mapping 29.25 days @ 225 per day plus expenses	9,078.
G. Couture (Field Geologist) mapping, sampling and plotting 63.5 days @ $180 per day	11,400.
S. Ebert (Field Geologist) mapping, sampling and plotting 62 days @ $180 per day	11,160.
B. Brown (Camp cook and field assistant) 52 days @ $180 per day	9,360.
B. Rear (Computer Technician) office plotting 10 days @ $180 per day	1,800.
Total Personnel costs	$81,182.
Assay and Geochemical charges for 782 soil and 186 rock samples Northern analytical sample preparation @ $1.50 per soil and $4.25 per rock sample. Gold assays at $8.50 for 10 g and $11.00 for 1 ton assay determinations. ICP analysis by PDI Research Centre @ $5 per sample.	16,567.
Frontier Helicopters 32.8 hours @ $660 per hour plus fuel	28,161.
Data acquisition and supplies (maps, air photo, photo mosaic and satellite imagery, map copying)	3,995.
Yukon travel, freight for sample shipment, and radio communications monitored by Macdonald services ($20 per day) and camp preparation by Jacques Moreau 5 days @ $200 per day	2,640.
Norcan truck rental @ $1225 per month plus fuel and service	4,582.
Camp operations; camp supplies, food, accommodation during office period	14,443.
TOTAL (Assessment related expenses)	$ 151,570.

Other Project Expenses	
Claim staking (MBW Surveys)	$ 5,670.
Holding Costs (Option payment, filing fees)	15,315.
Travel outside Yukon	3,782.
Total	$24,767.

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R.D.

7.0 CONCLUSIONS

Based on the distribution of elements, and of syenite bodies, it appears probable that the syenites themselves were the source for gold, copper and arsenic, and that certain argillaceous units of the Kechika Group supplied the elements lead, zinc and silver

Release of metal-charged fluids probably occurred very late in the differentiation of the syenitic magma. This conclusion is based on the scarcity of skarn mineralization in the calc-silicate hornfels; it would appear that thermal metamorphic effects, in most cases, rendered calcareous phyllite unreactive and impermeable prior to the release of mineralizing fluids. Similarly, thermal metamorphic effects on the argillites probably led to a reduction in permeability, downgrading the potential for disseminated deposits in these areas.

Based on observed mineralization, and the availability of porous and reactive lithologies, the area considered most likely to contain economic quantities of gold occurs between the North Vein and Nit Lake. The significance of abundant tourmaline in this area is unclear, but on the property scale may be a form of alteration indicating the release of fluids.

Mineralization or alteration similar to that at Brewery Creek was not found on the property. No thrust faults were positively identified.

Potential for the argillaceous rocks of the Kechica Group to host exhalative massive sulphides is indicated, but considered low.

8.0 RECOMMENDATIONS

Although rock sampling from the Birdie and Bindie Zones returned low gold values, it is recommended that further sampling be done. Trenches will be necessary to reach less weathered bedrock, which would involve blasting and hand mucking. An attempt to trace the Birdie/Bindie structure to the east should be undertaken.

Further, more detailed, sampling and geological mapping should be carried out in the vicinity of Skarn Ridge. The terrain here is steep but traversable and a control grid could be established, with the baseline parallel to bedding. The objective of this work would be to define the limits of skarn mineralization.

Additional work is required in the area between the North Vein and Nit Lake, to further evaluate the nature and extent of mineralization. Grids should be established over the North Vein, and east of the Pebble Zone, with baselines parallel to bedding. The grids would be used as control for soil sampling, and induced polarization surveys. The type of mineralization observed in these areas should give good chargeability highs and perhaps weak resistivity lows. Conventional soil sampling would be effective east of the Pebble Zone, but alternative sampling methods may be required in the area of the North Vein due to probable thicker overburden cover. Additional prospecting and sampling is require between the Pebble Zone and the Nit Lake structure.

Follow-up prospecting, mapping and sampling is warranted in the areas of gold soil anomalies B-4194 to B-4198, and the two soil lines 1.5 km north of Nit Lake.

9.0 LIST OF REFERENCES

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Metamorphism of Sedimentary Rocks by Syenitic Intrusions in the Tombstone Range. 116 A/4, Yukon Territory. In D.I.A.N.D. Yukon Exploration and Geology 1981, p.34-37.

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Keyser, H.J. and Laudon,J.L., Aurum Geological Consultants Inc.
Report on the 1990 Geological and Geochemical Exploration work on the Lorrie Property, November 30,1990.

10.0 STATEMENT OF QUALIFICATIONS (D.M.S.)

I, **DAVID M. STRAIN**, hereby certify that:

1. I am a graduate of Cambrian College of Applied Arts and Technology, Sudbury, Ontario, with a diploma in Geological Engineering Technology (1978).

2. I was enroled in Geological Sciences at the University of British Columbia from 1980 to 1983.

3. I have been involved in geology and mineral exploration continuously since 1975.

4. I supervised and participated in the exploration program on which this report is based.

December 10, 1991

David M. Strain

APPENDIX A

Rock Sample Descriptions

* values in ppm unless otherwise stated

SAMPLE NO.	LOCATION AND DESCRIPTION	Au ppb	Ag	Cu	As	
B-3801	Stockworked Hnfls w/Py and tr. ga., sphal	<5	2.3	36	61	
B-3802	1.0m chip of 2.0m wide zone w/massive Py and ga. on hw side 065°/75° S.	30	430	509	201	
B-3803	Grab of unmin'z intrusive (porph syen) talus	<5	3.3	26	25	
B-3804	Grab of qtz vn flt. Source 100m up slope.	10	1.5	8	2	
B-3805	Grab of pyritic, alt'd intrusive	<5	0.6	41	248	
B-3806	6.0m chip of actinolite-diop skn w/ccp, mal	440	1.8	842	254	
B-3807	1.25m chip - coarse xtlline calc veinlets (10cm) and alt'd intrus. host	<5	0.6	134	0.28%	
B-3808	Grab Striped pale grn/dk. green skn w/ 2% combined Py/Po, ccp and aspy	191	7.0	2477	988	
B-3809	Grab of flt skarn w/ 1 - 3% ccp	4209	37	1.07%	1005	
B-3810	Grab of ccp-bearing skn	<5	8.0	0.51%	23	
B-3811	Grab of 25cm, weakly pyritic, qtz vn	<5	0.2	109	16	
B-3812	Grab of 156°/vert epithermal carb zone around qtz veinlets	<5	<0.1	16	61	
B-3813	Grab of diss. & stringer po minor ccp dyke related	32	1.1	790	124	
B-3814	Same loc, as B-3813. 0.75m chip adjacent to dyke	2983	2.0	87	79	
B-3815	2.0m chip of zone with pods of semi-massive po w/ccp. Same as B-4776	1125	0.9	358	0.30%	

* Values in ppm unless otherwise stated

SAMPLE NO.	LOCATION AND DESCRIPTION	Au ppb	Ag	Cu	As	
B-3816	5.0m chip. Fine to mg. intrusive w/3% vfg po and /or aspy +/- ccp	0.026opt >6000	1.4	339	113	
B-3817	Grab of talus: Porph syen. w/ 1cm qtz vn w/aspy	32	0.3	12	0.63%	
B-3818/3819	Chip-like samples of very fine talus to give general reflection of bulk grade of cliffs above. Two analyses on each sample.	-80 65 +80 55 -80 73 +80 43				
B-3820	Grab from talus: Light grey, pyrrhotitic (aspy?) aplite	14	0.6	23	61	
B-3821	Flt rusty dk grn to blk, m.g. mafic intrus(?) 15% po, 1% ccp. Mod magnetic.	20	1.0	793		
B-3822	July 21, Fish Bowl. Massive sulph. bld in talus; po, py, aspy(?), minor ccp; sugary qtz gangue.	110	128.0	1229	2.84%	High pb, Zn, Cd
B-3823	July 22, Pebble Zone. 1.2m chip across 1.0m wide mineralized lamprophyre(?) dyke. Purplish grey, med grnd bi-plag-k-spar(?) w/red-brn clots. Up to 6% diss blebs of ccp, poss tr aspy. Non-mag, wths orange brn.	15	13.0	2857	219	
B-3824	July 22, N of Pebble Zone. Float in subtle recess zone. Rehealed gouge? Brxx. Powdery grey & yellow grn with (scorodite); clayey, non-calc, minor qtz veinleting. 5 - 10% fine to coarse aspy.	1723	3.5	269	62000	
B-3825	July 22, N of Pebble Zone. 5.0m chip of qtz-diop-aspy. Skarn. Very gossanous. Unusual shape to 25m x 5m body. Frags or beds of white to green chert (flint). Up to 30% med grained aspy, 6% denthritic, filmy ccp. Host rx. Qtzites & qtz-peb cong.	1535	4.5	2507	51200	

* Values in ppm unless otherwise stated

Sample No.	Location and Description	Au ppb	Ag	Cu	As	
B-4126	July 22, Same loc as B-3825. 1.5m chip of same skn as B-3825. Mainly coarse qtzite w/asyp & ccp. also some dense act-diop-qtz skn. Minor py evident.	>6000 0.090opt	13.0	8400	23500	
B-4127	July 22, Same loc & skn as B-3825, B-4126. 1.5m chip. Variable character across chip; deeply wth porous oxides to f.g. grn. silicous rock, to sugary textrd, heavily min'zd w/subhedral aspy (up to 50%) and tr ccp.	>6000 0.305opt	3.5	1146	60800	
B-4128	July 22, NE of camp. 1.5m chip. Very siliceous hnfls. Locally bleached, some very white, sugary, vuggy qtz-vn, and pods of massive po. Diss po & minor py.	113	0.4	145	997	
B-4129	July 23, S of camp. 2.0m chip of bleached hnfls adjacent to (N side) of dyke. Metasomatic ccp, aspy tr ga. Intrusive is porphyritic and has unusual wavy frac. // bedding, vert contacts.	331	2.4	1352	0.46%	
B-4130	July 25, SE of Rubble Lk. 30cm chip across 30cm wide pale grn with massive aspy vein @ 93 degrees 60 degrees S. Vein contains minor blebs of ccp and minor blk tourmaline gangue. Host - purple hnfls.	0.051opt				
B-4131	July 25, SE of Rubble Lk. 2.0m chip of hard purple hnfls w/5% diss po and minor ccp blebs and frac coatings, adjacent to (S side) 30cm aspy vn (B-4130).	207	1.6	735	1847	
B-4132	July 25, SE of Rubble Lk. 2.0m chip adjacent to (N side) of 30cm aspy vn. Hnfls here containing greater amount of sx; minor aspy, 2% ccp on frac's.	89	2.8	1402	0.59%	
B-4133	July 25, SE of Rubble Lk. 0.5m chip adjacent to (N side) 10m wide syen.(?) dyke. Sample of rusty pyrrhotitic hnfls. Minor ccp.	196	0.4	530	270	

* Values in ppm unless otherwise stated

SAMPLE NO.	LOCATION AND DESCRIPTION	Au ppb	Ag	Cu	As	
B-4134	July 26, Phone Zone. Grab (30cm chip) of locally alt'ed, brxx, heavily frac'd, min'z. cherty hnfls. Main min'z mtl is a chloritic soft, clayey rehealed gouge(?); chalco occurs as coarse blebs with calcite, po occurs in alt'ed bleached mtl, tr galena.	218	16.0	1395	0.54%	
B-4135	July 26, Phone Zone. grab of rock similar to 4134 but here min'z with py, ga, aspy, sphal, tr ccp and jamesonite(?). See GC's descrip of B-4085 - 88.	194	72.0	467	3.67%	High Pb Zn, Cd
B-4136	July 26, m W of Phone Zone samples. See GC's descrip.	241	3.4	1532	823	
B-4137	July 27, Bev Zone. float of light orange brn with calcite min bx with tr py and galena	127	1.0	32	332	Sr 1224
B-4138	July 30, m SW of camp. Grab of yellowish wth, c.g. qzit with veinlets (2mm) of blk actinolite or tourmaline, and 2% diss blebs of aspy.	41	4.8	40	2469	B: 337 Pb 666
B-4139	July 30, m SW of camp. 1.0m chip across 1.0m wide, intensely frac'd, orange brn wth, f.g. grey dioritic dyke w/10% fine diss po.	<5	0.7	262	32	
B-4140	July 30, m SW of camp. Subcrop (?) of heavily pyritized (coarse blotches and frac fillings) qtz-pebble cong. Minor po and ccp.	67	1.6	622	7	
B-4141	Aug 11, Skarn Ridge at soil site B-4430. Flt of un min'z calcite-actinolite skn.	<5	0.1	37	371	
B-4142	Aug 11, Skn Ridge at soil site B-4430. Flt of sugary f.g. diop-calc skn w/ sparse, large striated xtlls of aspy.	<5	0.7	246	942	

* Values in ppm unless otherwise stated

Sample No	Location and Description	Au ppb	Ag	Cu	As	
B-4143	Aug 11, Bev Zone. Flt grab of massive po with minor ccp.	15	3.0	3792	4.44%	
B-4144	Bev Zone. 2.0m chip of rusty with banded, grey, churty hnfls w/pods of act-garnet-py skarn. Zone 6.0m wide but too steep to sample completely.	148	0.5	366	1260	
B-4145	Bev Zone. 3.0m chip same as B-4144	476	0.6	430	253	

Sample No	Location and Description	Au ppb	Ag ppm	Cu ppm	As ppm	
B-1591	5-8% vfg Po, calc-silicate hnf, 4m chip, 700m W of Lorrie lk	35	0.5	60	22	
B-1592	mal & Az stained pale calc-silicate, G.S., Float (as above)	<5	<0.1	2412	8	
B-1593	Msv Po With .5% each; sphal, ccp, gn, G.S. 2" vein,(same loc. as above)	320	0.4	253	0.62%	
B-3751	2% sx in thin shear, Po,Py,ccp, G.S., 300m SE of Lorrie lk.	<5	2.3	210	143	
B-3752	as above, same "vein"	<5	0.6	154	36	
B-3753	Msv Po, 1-3% ccp, tr sphal, 1m chip, back wall Lorrie lk cirque (1590 vein)	65	52.0	1135	2.25%	high Cd Zn Pb
B-3754	Po(5%) tr ccp, calc-silicate, 6m chip, footwal of B-3753, loc as above	10	4.6	186	0.37%	
B-3755	2m chip hangingwall of B-3753, as above plus qtz-carb veinlets	30	0.7	25	88	
B-3756	Msv jamesonite, G.S. float, Po, ccp, as above	20 / 25	142.0	639	57	high Pb Zn Sb Cd
B-3757	G.S., float, as above, 150m N of above	80	21.0	892	2.57%	High Pb Zn Sb Cd
B-3758	G.S., o/c, as above (B-3756)	<5	14.0	444	0.22%	High Pb Zn Sb

Sample No	Location and Description	Au ppb	Ag ppm	Cu ppm	As ppm	
B-3759	rotten ferricrete brxx with goethitic lined holes, grab float, gash-west at 4850 ft elev.	<5	1.9	1103	142	
B-3760	Intensely clay altered rusty intrusive. grab flaot, same loc. as above	<5	0.9	236	38	
B-3761	Msv jamesonite Po ccp, grab, 100m NW of main 1590 vein	<5	72.0	788	0.22%	High Pb Sb
B-3764	Msv sx, Po, sphal, jamesonite, tr py, ccp, gn, grab float, 1000m SSE Lorrie lk on base of cliffs	<5	158.0	1176	176	V.high Pb Zn Cd Sb
B-3765	orange weathering qtz-carb flooded, grab float, saddle 2km SSE of Lorrie Lk	13	1.3	54	674	
B-3766	grab float, With 2% Asp needles, as above	<5	4.7	86	1.31%	anom Zn Pb
B-3767	Msv Po boulder, grab float, talus east of camp	1054	13.0	1181	6.40%	
B-3768	Brecciated lst, 2% Asp, 1% ccp, grab float, at soil B-4600 in hanging valley	75	1.1	30	1.11%	
B-3769	Bull qtz (vn), grab talus, 20m W of soil B-4628 in hanging valley	15	0.4	45	651	
B-3770	Bull qtz (vn), 2.5m chip, at soil B-4630 in hanging valley	8	0.4	80	34	
B-3771	Bull qtz (vn), grab float, along ridge N of hanging valley	9	0.1	4	12	

Sample No	Location and Description	Au ppb	Ag ppm	Cu ppm	As ppm	
B-3772	qtz veinlets through float grab sample, along ridge N of hanging valley	26	0.1	1	<5	
B-3773	mal in qtz veined mdst, grab float, 34m N of soil B-4453 cirque N of hanging valley	8	5.0	2305	129	
B-3774	1.5m chip, highly fractured calc silicate with cross cutting qtz carb veinlets. minor gal, Py, chalcedonic qtz. gossan	133	0.8	70	1308	
B-3775	1m chip, same as above	355	1.0	69	330	
B-3776	4m chip, sheared qtz-carb and sheared intrusive, 8% qtz carb stringers, tr Py, Po, sphal, jamesonite	32	0.5	31	42	
B-3777	sheared qtz-carb, few veinlets, tr Py, Po, 3m chip	34	0.5	22	96	
B-3778	1-2cm wide qtz-cal veinlet with 5-8% jamesonite, grab	<5	1.9	19	69	
B-3779	grab subcrop, calc-sil cross cut by qtz carb veinlets, sheared, Py, Gn, 3-5% euhedral and calcedonic qtz, Ga is euhedral in veinlets, brecciated, siderite carbonates	86	37.0	78	144	
B-3780	grab, breccia, qtz-carb veinlets cross cutting calc-sil, stockworking, Gn, sheared Py, euhedral and amorphous qtz, jamesonite?	70	39	43	125	high Pb Sb
B-3781	10cm qtz-carb vein with 5-10% sphal, Py, tr Po, tr Gn, grab	<5	8.0	31	95	anom Pb Zn
B-3782	1.1m chip, unaltered calc-silicate hnf,1-2% Py, Po	297	0.6	24	17	

Sample No	Location and Description	Au ppb	Ag ppm	Cu ppm	As ppm	
B-3783	4.25m chip, same as B-3774,75	362	1.0	48	53	
B-3784	grab o/c, Gn & carb-qtz veinlets in qtz rich shear, 25-30m wide, 3-5% Gn, x-cutting calc sil	1024	148.0	19	711	high Pb
B-3785	grab talus, Msv Asp-qtz vein, amorphous & euhedral qtz, scorodite staining, ass carb veining, brecciated frags.	5385	9.0	56	23.4%	
B-3786	qtz-carb brxx with 5% Asp frags,1-2% Py in matrix, grab float (1715m elev)	57	117.0	133	910	high Pb Zn Sb
B-3787	oops! no notes available.	<5	2.8	61	19.9%	
B-3788	qtz vein brxx, 60% Asp, sphal, Py, grab float elev 1720m	58	86.0	162	1779	high Pb Zn
B-3789	intense qtz-carb flooding, no sulfides, 1.4m chip	<5	1.6	11	0.32%	
B-3790	grab, massive Asp in calc sil host, 80% Asp, 20% qtz, irregular pod 20cm wide	>6000	4.0	14	33.07	
B-3791	rusty hnf arg, 2-3% f.g. Po, Grab	114	0.3	124	0.33%	
B-3792?	grab, Asp pods or veins ass with qtz, brecciated calc sil and scorodite weathering. 40% Asp. stockwork qtz carb veinlets	357	0.6	70	0.97%	
B-3793?	same as above	285	0.7	15	4.20%	

Sample No	Location and Description	Au ppb	Ag ppm	Cu ppm	As ppm	
B-3794	grab, Asp-qtz-carb vein or pod along 080,75 degree structure. x-cuts calc sil, siliceous and argillic alteration	22	0.1	2	937	
B-3795	qtz with 3-4% blebby Asp & tourmaline, grab float, elev 1785m. Pebble zone.	41	1.1	389	0.97%	
B-3796	recrystalized qtz with black fractures & tourmaline, 2% Asp, grab float. Pebble zone.	29	0.2	29	1200	
B-3797	pebble congl, tr Asp, 3.2m chip, 1675 elev. Pebble zone.	14	0.2	20	0.23%	
B-3798	pebble congl, .5-1% Asp, 2.4m chip, 1690m. Pebble zone.	<5	0.1	18	739	
B-3799	pebble congl, .5-1% Asp,2.4m chip, 1705m elev. Pebble zone.	23	0.3	23	1962	
B-3800	pebble congl? sheared, 3% Asp, 1.3m chip, 1715m elev. Pebble zone.	139	0.2	38	2.42%	

Sample No	Location and Description	Au ppb	Ag ppm	Cu ppm	As ppm	
B-4151	4.0m chip, mineralized dike "fishbowl".	250	0.5	59	0.35%	
B-4152	Grab from 4m wide syenite dike, <5% sulfides, ridge N of Mike lk.	735	0.3	67	115	
B-4153	Grab, pink wthrng semi rusty syenite float, <2% sulfides, ridge N Mike lk.	136	0.1	24	53	
B-4154	Grab, minor bull qtz vn, Py, ccp, tetra, mal stn in subphyllitic calc siltst. Rubble lk.	142	0.2	550	188	
B-4155	Grab, bluish black silicious arg, bdd Py & small qtz-Po veinlets 0.1-0.25 cm. SE map sheet.	4138				
B-4156	Grab, bleached yellowish wtherd qtzite, minor clay alter & mod fault brecciation, fault structure on strike to east of pebble zone.	49	1.8	19	16	
B-4157	Grab, banded grey chert, barren qtz stringers up to 2cm, ave 0.25cm.	28	0.4	39	369	
B-4158	Grab, banded grey chert, very rusty, <0.5% diss sulfides.	<5	0.1	32	<5	
B-4159	1.4m chip, skarn, greyish black f. med. gr., swirling qtz veinlets and small blebs (0.1-0.2cm) , dissem Asp and Po (2-5% throughout), Bindy.	18	0.5	191	346	
B-4160	Grab, small shear (0.25m), soft pale olive green, brecciated, Birdy Bindy.	>6000				
B-4161	Grab, skarny Chs, Asp, ccp, Py, Po, Bindy Birdy.	61	0.8	134	3484	
B-4162	Bev Zone, chip to substantiate sample B-3816	12	0.6	129	200	

Sample No	Location and Description	Au ppb	Ag ppm	Cu ppm	As ppm	
B-3651	3 m chip sample gossanous bedded arg and chert w 2-4% Py & Po some carb veinlets, o/c	<5	0.2	42	15	
B-3652	G.S. cherty unit in hnf. arg. with veinlets of Py, qtz plus calcite. o/c	<5	0.2	121	19	
B-3653	rusty wth. boulder in talus, tr of sulfides gal or jamesonite? very weathered	65	470.0	374	596	high Pb Zn Cd
B-3654	3 m chip across massive sulfide & weathered fault gouge & mineralized calc-sil-hnf. Str. 82, dip 82 NW 2-5% jamesonite, mainly Po.	10	4.8	391	870	
B-3655	o/c rusty goethitic & jarositic clay altered diorite in probable fault zone, 3m wide str. 190 dip 80 E	5	4.1	80	137	
B-3656	G.S. o/c Calcareous arg w slatey cleavage, veinlets of calcite, orange color on cleavage surfaces	<5	<0.1	15	35	
B-3657	G.S. talus skarn- calc sil, banded. 1-2% ccp, mal stn. Axinite and Actinolite abundant	47	16.0	.54%	377	
B-3658	G.S. talus skarn- calc sil, 1-2% ccp, 2% Po +or- Asp	<5	12	.54%	.82%	
B-3659	G.S. talus pebble cong boulder in creek	76	1.3	24	72	
B-3660	G.S. talus boulder, qtzite. dark grey, rounded qtz grains. 2-3 % f.g. sulfides in matrix. 2% sec. bio.	252	0.5	28	11	
B-3661	G.S. talus, 50% subrounded qtz pebbles in limonitic silicic matrix with brown holes (vugs)	95	0.3	22	76	

Sample No	Location and Description	Au ppb	Ag ppm	Cu ppm	As ppm	
B-3662	G.S. o/c, fine siltstone grading to congl. Yellow stn. with realgar along fractures	<5	0.4	5	14	
B-3663	G.S. o/c pebble zone, 15-20 % Asp. Highgrade sample, qtz pebble congl. host.	2549	0.5	31	6.88%	
B-3664	2m chip of hanging wall above congl, pebble zone, unmineralized. hnf arg and grey siltst.	23	0.1	12	314	
B-3665	4m chip pebble zone	427	0.5	100	2.67%	
B-3666	4m chip pebble zone	14	0.2	29	0.22%	
B-3667	3m chip pebble zone	18	1.1	44	1261	
B-3668	G.S. pebble congl. unit above main showing, pebble zone, tr of Asp & tourmaline, 2m wide bed	26	0.3	50	481	
B-3669						
B-3670	G.S. subcrop. Top of mtn above pebble zone, massive Asp up to 20%, abundant qtz 25%, plus tourmaline. scorodite stn. Some arg frags (vien?)	1779	43.0	2135	14.3%	
B-3671	1m chip across vein in qtzite. 1m wide vein, 1-25% Asp dissem and in veinlets. qtz gangue, wth.	146	0.1	47	32	
B-3672	G.S. talus, skarned & mineralized qtz pebble congl. Act. and Po, tr Asp, tourmaline replacing matrix	153	0.1	61	184	
B-3673	G.S. talus, massive Asp (70%), 30% qtz	2.22opt	2.3	16	304000	
B-3674	2m chip, across mineralized qtzite. 1-2% Asp dissem and in veinlets	2076 0.09opt	0.6	107	5400	

Sample No	Location and Description	Au ppb	Ag ppm	Cu ppm	As ppm	
B-3675	2.5m chip. extremely weathered, act, cal, qtz, with 2-30% Asp.	.357opt	1.1	324	49600	
B-3676	G.S. o/c 2" Asp vein in qtzite	.173opt	0.8	147	133000	
B-3677	G.S. o/c, Pebbly qtzite to congl. 2-3% Asp dissem along fractures "fracture zone"	286	0.3	88	0.48%	
B-3678	G.S. o/c, "fracture zone" as above	198	0.2	84	766	
B-3679	G.S. o/c, "fracture zone" as above	205	0.7	184	2.567%	
B-3680	G.S. talus, weathered intrusive with 2-5% Po, trace Asp?	81	0.5	24	338	
B-3681	1m chip across skarn in creek bed. garnet, diopside, cal, black actinolite. 1m x 4m zone	812	0.1	9	48	
B-3682	G.S. talus, fine gr. silicious hnf. with 1-2% Sulf.	18	<0.1	25	41	
B-3683	60cm chip at old sample # RS-90-18. vein 15cm wide, massive Po (90%), 2-3% ccp. minor sulfides in hnf arg wall rock	2004 0.155opt	2.0	3087	2200	
B-3689	G.S. o/c, grey qtz sandstone grit. 2% Po dissem	26	0.3	107	82	
B-3690	G.S. talus, rusty boulder with 1.5cm vein of Py and tr galena, in qtz ss	245	46.0	560	0.58%	0.62% Pb
B-3691	G.S. o/c, pebbly qtzite with vein qtz, 1m wide zone extends a few 100m. tr Asp & tourmaline	59	0.2	18	209	
B-3692	G.S. o/c, altered mafic dike, rusty weathering, N of pebble zone	25	0.2	127	25	

Sample No	Location and Description	Au ppb	Ag ppm	Cu ppm	As ppm	
B-3693	G.S. o/c, 3m wide shear zone trending 104 degrees, clay alteration	24	5.0	24	483	
B-3694	30cm chip across mineralized pod, fractures trending 044, and 095 degrees	97	1.3	163	0.76%	
B-3695	G.S. large breccia boulder, (relatively abundant in area), Asp in matrix. Poss related to fault structure trending 97 degrees, south of Nit lk.	1844	358	869	116000	highPb 596 Sb 1138 Bi
B-3696	G.S. talus, skarn boulder, 1.75m x 0.5m x 0.5m, Act, diopside, cal, tr ccp & Po	109	1.2	33	135	
B-3697	G.S. o/c, rusty weathered zone, 0.5m across where sampled, irregular skarn pod in qtzite, tr Po, Asp, ccp	9	1.8	690	0.58%	
B-3698	2m chip across weathered skarn zone approx. 2m x 7m, above Nit lk.	23	3.3	1505	2.54%	5208 W
B-3699	2m discontinueous chip across skarned silicified zone (same location as above)	513				
B-3700	G.S. talus, qtz congl, tr of scorodite	46	2.5	57	208	
B-3751	G.S. o/c, subparallel qtz veins in silicified calc silicate str. 47 degrees, dip 77 degrees SE. Some brecciated material, rusty. tr Py, Po, ccp	<5				
B-3752	same as B-3751	<5	0.6	154	36	

Sample No	Location and Description	Au ppb	Ag ppm	Cu ppm	As ppm	
B-3753	1m chip across massive sulfide, mainly Po, with some Py, ccp, jamesonite, sphal. Lorrie lk.	65	52.0	1135	2.25%	High Pb Zn Sb Cd
B-3754	6m chip below massive sulfide section. 1-2% sulfides (see Ian Costers notes)	10	4.6	186	0.37%	
B-3762	Talus, Massive sulfide boulder, 20% Py, 20% Po, 15% jamesonite, Asp, tr ccp.	140	90.0	24	9.76%	high Pb Zn Cd
B-3763	G.S. talus boulder, 1m x 0.5m, rusty, massive sulfide veins and stringers. Py, Po. hosted in diorite (syenite?)	<5	5.0	439	739	
B-3768	G.S. talus, Breccia lst. with 2% Asp, 1% ccp dissem and in stringers. angular frags cemented with calcite.	75	1.1	30	1.11%	
B-3771	G.S. qtz boulder 1m x 1m, in subcrop. massive qtz, barren, abundant qtz in area.	9	0.1	4	12	

Sample No	Location and Description	Au ppb	Ag ppm	Cu ppm	As ppm	
B-1938	Grab, stockwork calcite-qtz-act veinlets with Py, in calc sil hnf, 1-2% Py, n/s factures in o/c.	<5	<0.1	14	43	
B-1939	Grab, stockwork qtz-cal-act within cherty arg, minor dissem Py, talus.	<5	<0.1	63	26	
B-3701	1.25m chip across Msv sulfide vein, within calc sil, hw sampled	<5	3.0	212	220	
B-3702	0.75m chip across Msv sulfide, 022, 60 degrees, 0.1-5cm wide, rusty area 15m, minor Po in footwall intrusion closr to calc sil contact.	<5	1.3	335	40	
B-3774	1.5m chip, highly fractured calc sil with x-cutting qtz-carb veinlets, minor Ga, Py, chalcedonic qtz. gossan.	133	0.8	70	1308	
B-3775	1m chip, same as above.	355	1.0	69	330	
B-3779	Grab, subcrop, calc sil x-cut by qtz-carb veinlets, sheared Py, euhedral Gn, 3-5% euhedral and chalcedonic qtz, brecciated, siderite carb.	86	37.0	78	144	
B-3780	Grab, breccia, qtz-carb veinlets x-cutting calc sil, stockworking, Gn, sheared Py (5%) ass with veinlets, euhedral or amorphous qtz. Jamesonite?	70	39.0	43	125	high Pb Sb
B-4076	7m talus chip, talus fines and coarser rock fragments, calc sil, qtzite and minor int.	-80 46 +80 49				
B-4077	9m talus chip	-80 71 +80 63				

Sample No	Location and Description	Au ppb	Ag ppm	Cu ppm	As ppm	
B-3683	70cm chip, subcrop, cherty arg with Msv sulfide pods 5-15cm wide, trending 100 degrees, 10-15% Po, o/c.					
B-4078	Grab, mineralized dike 6m wide, 3% Po, 1% Asp, m.g., plag phenos, trending 22 degrees, highly fractured, baked at margins, forms gully, o/c.	126	0.4	101	56	
B-4079	Grab, purple hnf x-cut by hnb-Asp-qtz veining, enechelon qtz configuration, 1mm to 1cm veinlets, follow fractures & x-cut bedding, o/c.	65	9.0	490	706	
B-4080	Grab, brecciated qtzite with Asp matrix, scorodite weathering, frags of purple hnf, up to 2% Asp, talus.	64	0.4	51	302	
B-4082	Grab, qtz pebble breccia or congl?, calc sil frags with limey matrix, act-cal-qtz matrix, minor Asp, talus.	59	0.1	59	301	
B-4081	Grab, tourmilinized breccia, pervasive qtz and tourm veinlets in qtzite, tr to 1% Asp, euhedral and finally disseminated tourm, talus.	42	2.4	123	841	
B-4083	Grab, stockwork qtz-tourmaline veinlets in qtzite, 3-5% Asp, vugs of euhedral qtz, talus.	40	0.1	7	0.33%	
B-4084	Grab, qtz pebble congl, qtz feldspar frags, matrix supported, subangular, no vissible sulfides, talus.	42	0.1	14	41	
B-4085	2.45m chip, subcrop, chloritized and silicified sediment with 5-35% sulfides, massive bed or pod with ccp,Po,Py,Ga,sphal,jamesonite.	119	87.0	952	0.60%	High Pb Zn Cd

Sample No	Location and Description	Au ppb	Ag ppm	Cu ppm	As ppm	
B-4086	50cm chip, same as B-4085	45	153.0	0.80%	0.74%	vHigh Pb Zn Cd
B-4087	Grab, Msv Ga, ccp, in chloritized calc sil, tr Asp, talus	71	69.0	448	6.69%	high Pb Zn Cd
B-4088	Grab, Msv sphal, Ga, jamesonite,Po, in calc sil, tr Asp.	36	12.0	1376	375	
B-4089	Grab, talus, 25cm qtz vein with veinlets and disseminations. frags of finely laminated siltstone, ccp ass with dark mineral veinlets (2-4%).	18	3.6	1986	74	
B-4090	Grab, talus, qtz-carb veinlets x-cutting a metasiltstone & cherty arg hnf, 5-6% Po, ccp?,stockwork type veining with euhedral qtz in vugs, sulfides are dissem and in veinlets.	6	0.6	190	59	
B-4091	Grab, talus, rusty red qtz vein with arg frags, 1-2% ccp, dissem, euhedral qtz in vugs.	602				
B-4092	Grab, o/c, medium to f.g. biotite dike, 3-5% Po, tr Asp, unidentified green mineral, dissem sulfides.	66	0.3	44	1001	
B-4093	Grab, talus, qtz-carb altered, minor Ga, hem along cal veinlets, orange carb alter'n, cal is bladed and euhedral.	7	1.2	26	147	
B-4094	Grab, talus, green silicified calc sil hnf, dissem ccp (3-5%), 1-2% Po, tr Asp, Py, epidote-chloritized rock south of birdy and bindy zones.	44	4.6	1186	2244	

Sample No	Location and Description	Au ppb	Ag ppm	Cu ppm	As ppm	
B-4136	25cm chip sample, axinite ccp skarn in calc silicates, axinite veins of 1.5 cm highly fractured, mal and azur, 1-2% ccp, propylitized.	241	3.2	1532	823	
B-4526	Grab talus, skarn type, axinite, ccp, Po, in limey seds, limestone, disseminations.	50	0.7	1017	1772	
B-4527	Grab, rusty garnetiferous material, 3-5% Po, 0.5% f.g. specs.	<5	1.0	254	143	
B-4528	Grab, euhedral qtz in recrystalized ground mass, extremely siliceous, talus, dark brown to black calc sil.	13	0.1	66	239	
B-4529	Grab, talus, brecciated calc sil, chl matrix hosts 5% ccp, tr coarse sphal, Asp.	9	7.0	0.37%	236	
B-4530	Grab, talus, sphal, Gn, Py, in silicious calc silicate x-cutting qtz carb veinlets, tr ccp, hem stn.	117	160.0	2158	5.84%	vHigh Pb Zn Cd
B-4776	1.85m chip, rusty zone of phyllite hnf, irreg pods of Msv ccp, Py, Po, Asp, along bedding. Pods become massive with qtz gangue.	29	1.8	2127	95	
B-4777	2.4m chip, felsic-int dike, highly fractured, ccp <1%, Po 3-5%, Py, Mo, Asp, aphanitic with bio/hnb mafics.	23	0.5	130	79	
B-4778	2.7m chip, same as above.	29	0.4	102	54	
B-4779	Grab, in int (as above), gossan, high grade sulf.	20	1.3	757	72	
B-4780	Grab talus, qtzite boulder, stockwork qtz veinlets with Asp.	12	0.2	22	16	

APPENDIX B

Soil and Rock Geochemical Results

Analytical Procedures

Northern Analytical Laboratories ltd.

July 31,1991

Work Order # 13270

Placer Dome Exploration Limited
103 Platinum Road
Whitehorse, Yukon
Y1A 5M3

File # 13270

Project # Lorrie

Assay Certificate for Samples Provided

Sample #	Au ppb
B 3808	191
B 3809	4209
B 3810	<5
B 3811	<5
B 3812	<5
B 3656	<5
B 3657	47
B 3658	<5
B 4526	50
B 4527	<5
B 4528	13
B 4529	9
B 4530	117
B 3765	13
B 3766	<5
B 3767	1054
B 3768	75
B 3769	15
B 3770	8
B 3771	9
B 3772	26
B 3773	8

Certifed by C Hyoki

105 Copper Road, Whitehorse, YT, Y1A 2Z7 Ph: (403) 668-4968 Fax: (403) 668-4890

Northern Analytical Laboratories ltd.

August 7,1991

Work Order # 13270

Placer Dome Exploration Limited
103 Platinum Road
Whitehorse, Yukon
Y1A 5M3

File # 13270a

Project # Lorrie 275

Assay Certificate for Samples Provided

Sample #	Au ppb
B4576	170
B4577	16
B4578	<5
B4579	<5
B4580	17
B4581	45
B4582	58
B4583	62
B4584	11
B4585	24
B4586	84
B4587	<5
B4588	<5
B4589	21
B4590	<5
B4591	<5
B4592	<5
B4593	<5
B4594	6
B4595	<5
B4596	13
B4597	<5
B4598	<5
B4599	<5
B4600	<5

Certifed by_____

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Northern Analytical Laboratories ltd.

August 7,1991

Work Order # 13270

Placer Dome Exploration Limited
103 Platinum Road
Whitehorse, Yukon
Y1A 5M3

File # 13270b

Project # Lorrie 275

Assay Certificate for Samples Provided

Sample #	Au ppb
B3703	<5
B3704	<5
B3705	<5
B3706	<5
B3707	5
B3708	<5
B3709	<5
B3710	<5
B3711	<5
B3712	<5
B3713	<5
B3714	<5
B3715	<5
B3717	<5
B3718	<5
B3719	<5
B3720	<5
B3721	<5
B3722	<5
B3723	<5
B3724	<5
B3725	8
B3726	<5
B3727	<5

Certified by C Hypolite

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Northern Analytical Laboratories ltd.

August 7,1991

Work Order # 13270

Placer Dome Exploration Limited
103 Platinum Road
Whitehorse, Yukon
Y1A 5M3

File # 13270c

Project # Lorrie 275

Assay Certificate for Samples Provided

Sample #	Au ppb
B4434	32
B4435	54
B4436	290
B4437	5
B4438	<5
B4439	9
B4440	5
B4441	<5
B4442	20
B4443	10
B4444	<5
B4445	<5
B4446	11
B4447	5
B4448	32
B4449	9
B4450	<5
B4451	15
B4452	18
B4453	24
B4454	17
B4455	5
B4456	16
B4457	103

Certified by C Hypki

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Northern Analytical Laboratories ltd.

August 11,1991

Work Order # 13270

Placer Dome Exploration Limited
103 Platinum Road
Whitehorse, Yukon
Y1A 5M3

File # 13270d

Project # Lorrie 275

Assay Certificate for Samples Provided

Sample #	Au ppb
B4500	33
B4501	33
B4502	77
B4503	184
B4504	54
B4505	36
B4506	109
B4507	91
B4508	61
B4509	389
B4510	178
B4511	25
B4512	88
B4513	44
B4514	132
B4515	125
B4516	177
B4517	7
B4518	45

Certified by _____

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Northern Analytical Laboratories ltd.

August 11,1991

Work Order # 13270

Placer Dome Exploration Limited
103 Platinum Road
Whitehorse, Yukon
Y1A 5M3

File # 13270e

Project # Lorrie 275

Assay Certificate for Samples Provided

Sample #	Au ppb
B4476	62
B4477	36
B4478	24
B4479	7
B4480	8
B4481	<5
B4482	<5
B4483	7
B4484	<5
B4485	<5
B4486	9
B4487	<5
B4488	5
B4489	<5
B4490	<5
B4491	7
B4492	12
B4493	<5
B4494	15
B4495	<5
B4496	31
B4497	<5
B4498	54
B4499	91
B4366	<5
B4367	<5
B4368	<5
B4369	<5
B4372	152
B4373	<5
B4374	<5
B4375	19

Certified by _____

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Northern Analytical Laboratories ltd.

August 14,1991

Work Order # 13270

File # 13270f

Placer Dome Exploration Limited
103 Platinum Road
Whitehorse, Yukon
Y1A 5M3

Assay Certificate for Samples Provided

Sample #	Au ppb
B4626	<5
B4627	9
B4628	12
B4629	6
B4630	<5
B4631	<5
B4632	<5
B4633	5
B4634	29
B4635	<5
B4636	<5
B4637	52
B4639	<5
B4645	<5
B4646	<5
B4647	31
B3728	25
B3729	17
B3730	27
B3731	25
B3732	94
B3733	68
B3734	46
B3735	66
B3736	39
B3737	13
B3738	<5
B3739	30

Certified by C Hryotki

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Northern Analytical Laboratories ltd.

August 14,1991

Work Order # 13270

Placer Dome Exploration Limited
103 Platinum Road
Whitehorse, Yukon
Y1A 5M3

File # 13270g

Assay Certificate for Samples Provided

Sample #	Au ppb
B3740	41
B3741	31
B3742	26
B3743	36
B3744	37
B3745	111
B3746	30
B3747	21
B3748	33
B3749	19
B3750	22

Certified by Chkyokki

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Northern Analytical Laboratories ltd.

August 23,1991

Work Order # 13270

Placer Dome Exploration Limited
103 Platinum Road
Whitehorse, Yukon
Y1A 5M3

File # 13270h

Assay Certificate for Samples Provided

Sample #	Au oz/ton
B3767	0.032
B3809	0.140

Certified by C Hypolite

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Northern Analytical Laboratories ltd.

August 23,1991

Work Order # 13270

Placer Dome Exploration Limited
103 Platinum Road
Whitehorse, Yukon
Y1A 5M3

File # 13270i

Project # Lorrie 275

Assay Certificate for Samples Provided

Sample #	Au ppb
B4640	<5
B4641	<5
B4642	8
B4643	9
B4644	<5
B4648	32
B4649	10
B4650	<5

Certified by

105 Copper Road, Whitehorse, YT, Y1A 2Z7 Ph: (403) 668-4968 Fax: (403) 668-4890

Northern Analytical Laboratories ltd.

August 5,1991

Work Order # 13267

Placer Dome Exploration Limited
103 Platinum Road
Whitehorse, Yukon
Y1A 5M3

File # 13267a

Project # Lorrie
275

Assay Certificate for Samples Provided

Sample #	Au ppb
B1501	<5
B1502	<5
B1503	<5
B1512	<5
B1513	<5
B1514	<5
B1515	68
B1516	<5
B1517	<5
B1518	<5
B1519	<5
B1520	<5
B1521	<5
B1522	<5
B1523	<5
B1524	<5
B1525	<5
B1876	<5
B1877	<5
B1878	<5
B1879	<5
B1880	80
B1881	96
B1882	59
B1883	53
B1884	38
B1885	<5

Certified by Chyoki

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Northern Analytical Laboratories ltd.

August 5,1991

Work Order # 13267

Placer Dome Exploration Limited
103 Platinum Road
Whitehorse, Yukon
Y1A 5M3

File # 13267b

Project # Lorrie 275

Assay Certificate for Samples Provided

Sample #	Au ppb
B1886	<5
B1887	<5
B1888	<5
B1889	57
B1890	<5
B1891	<5

Certified by

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Northern Analytical Laboratories ltd.

July 30,1991

Work Order # 13276

Placer Dome Exploration Limited
103 Platinum Road
Whitehorse, Yukon
Y1A 5M3

File # 13276c

Project # Lorrie

Assay Certificate for Samples Provided

Sample #	Au ppb
B 3788	58
B 3789	<5
B 3790	>6000
B 3791	114
B 3792	357
B 3793	285
B 3794	22
B 3795	41
B 3796	29
B 3797	14
B 3798	<5
B 3799	23
B 3800	139

Certified by _____

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Northern Analytical Laboratories ltd.

August 23,1991

Work Order # 13276

Placer Dome Exploration Limited
103 Platinum Road
Whitehorse, Yukon
Y1A 5M3

File # 13276d

Project # Lorrie
275

Assay Certificate for Samples Provided

Sample #	Au ppb
B1676	412
B1677	638
B1678	<5
B1680	178
B1681	<5
B1682	<5
B1683	63
B1684	78
B1685	139
B1686	254
B3818 -80	65
B3818 +80	55
B3819 -80	73
B3819 +80	43
B4076 -80	46
B4076 +80	49
B4077 +80	63
B4077 -80	71
B4458	10
B4459	11
B4460	13
B4461	<5
B4462	9
B4463	27
B4464	28
B4465	<5
B4466	<5
B4467	<5
B4468	<5
B4469	<5

Certified by_____

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Northern Analytical Laboratories ltd.

August 23,1991

Work Order # 13276

Placer Dome Exploration Limited
103 Platinum Road
Whitehorse, Yukon
Y1A 5M3

File # 13276e

Project # Lorrie 275

Assay Certificate for Samples Provided

Sample #	Au oz/ton
B3814	0.071
B3815	0.027
B3816	0.026
B3784	0.025
B3785	0.323
B3790	0.405
B3663	0.066
B3670	0.048

Certified by Chyokki

105 Copper Road, Whitehorse, YT, Y1A 2Z7 Ph: (403) 668-4968 Fax: (403) 668-4890

Northern Analytical Laboratories ltd.

July 29,1991

Work Order # 13276

Placer Dome Exploration Limited
105 Platinum Rd.
Whitehorse, Yukon
Y1A 5M3

File # 13276a

Project # Lorrie

Assay Certificate For Samples Provided

Sample #	Au ppb
B3659	76
B3774	133
B3775	355
B3776	32
B3777	34
B3778	<5
B3779	86
B3780	70
B3781	<5
B3782	297
B3783	362
B3784	1024
B3785	5385
B3786	57
B3787	<5

Certified by CHytKi

105 Copper Road, Whitehorse, YT, Y1A 2Z7 Ph: (403) 668-4968 Fax: (403) 668-4890

Northern Analytical Laboratories ltd.

July 30,1991

Work Order # 13276

Placer Dome Exploration Limited
103 Platinum Road
Whitehorse, Yukon
Y1A 5M3

File # 13276b

Project # Lorrie

Assay Certificate for Samples Provided

Sample #	Au ppb
B 3660	252
B 3661	95
B 3662	<5
B 3663	2549
B 3664	23
B 3665	427
B 3666	14
B 3667	18
B 3668 3668	26
B 3669	115
B 3670	1779
B 4776	29
B 4777	23
B 4778	29
B 4779	20
B 4780	12
B 3813	32
B 3814	2983
B 3815	1125
B 3816	>6000
B 3817	32
B 3820	14
B 3821	20

Certified by CMyokki

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Northern Analytical Laboratories ltd.

August 10,1991

Work Order # 13291

Placer Dome Exploration Limited
103 Platinum Road
Whitehorse, Yukon
Y1A 5M3

File # 13291a

Project # Lorrie 275

Assay Certificate for Samples Provided

Sample #	Au ppb
B3671	146
B3672	153
B3673	>6000
B3674	2076
B3675	>6000
B3676	3479
B3677	286
B3678	198
B3679	205
B3680	81
B3681	812
B3682	18
B3683	2004
B3689	26
B3690	245
B3822	110
B3823	15
B3824	1723
B3825	1535
B4078	126
B4079	65
B4080	64
B4081	42
B4082	59
B4083	40
B4084	42
B4085	119
B4086	45
B4087	71
B4088	36

Certified by C Heyoka

105 Copper Road, Whitehorse, YT, Y1A 2Z7 Ph: (403) 668-4968 Fax: (403) 668-4890

Northern Analytical Laboratories ltd.

August 10,1991

Work Order # 13291

Placer Dome Exploration Limited
103 Platinum Road
Whitehorse, Yukon
Y1A 5M3

File # 13291b

Project # Lorrie
275

Assay Certificate for Samples Provided

Sample #	Au ppb
B4126	>6000
B4127	>6000
B4128	113
B4129	331
B4130	1747
B4131	207
B4132	89
B4133	196
B4134	218
B4135	194
B4136	241
B4137	127
B4151	250
B4152	735
B4153	136
B4154	142
B4155	4138

Certified by C Hrynkiw

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Northern Analytical Laboratories ltd.

August 27,1991

Work Order # 13291

Placer Dome Exploration Limited
103 Platinum Road
Whitehorse, Yukon
Y1A 5M3

File # 133291c

Project # Lorrie 275

Assay Certificate for Samples Provided

Sample #	Au ppb
B1504	41
B1505	105
B1506	380
B1507	207
B1508	84
B1509	<5
B1510	69
B1651	19
B1652	137
B1653	10
B1654	23
B1655	15
B1656	36
B1657	25
B1658	115
B1659	16
B1660	38
B1661	384
B1662	122
B1663	450
B1664	254
B1665	218
B1666	256
B1667	122
B1668	188
B1669	120
B1670	119
B1671	72
B1672	69
B1673	36
B1674	89

Certified by _____

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Northern Analytical Laboratories ltd.

August 28,1991 **Work Order #** 13291

Placer Dome Exploration Limited **File #** 13291d
103 Platinum Road
Whitehorse, Yukon **Project #** Lorrie
Y1A 5M3 275

Assay Certificate for Samples Provided

Sample #	Au ppb
B1675	89
B1687	310
B1688	1518
B1689	414
B1690	315
B1691	210
B1692	65
B1693	108
B1694	80
B1695	253
B1696	155
B1697	163
B1698	52
B1699	8
B1700	137
B1701	31
B1702	91
B1703	38
B1704	39
B1705	11
B1706	13
B1707	91
B1708	<5
B1709	<5
B1710	<5
B1711	<5
B1712	<5
B1713	<5
B1726	29
B1727	133

Certified by C Hrynkiw

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Northern Analytical Laboratories ltd.

August 28,1991 Work Order # 13291

Placer Dome Exploration Limited File # 13291e
103 Platinum Road
Whitehorse, Yukon Project # Lorrie
Y1A 5M3 275

Assay Certificate for Samples Provided

Sample #	Au ppb
B1728	457
B1729	1074
B1730	787
B1731	79
B1732	105
B1733	339
B1734	24
B1735	27
B1736	<5
B1737	30
B1738	62
B1739	<5
B1740	<5
B1741	206
B1742	<5
B1743	<5
B1744	121
B1745	225
B1746	354
B1747	98
B1751	<5
B1752	72
B1753	272
B1754	58
B1755	338
B1756	63
B1757	47
B1758	24
B1759	11
B1760	26
B1761	15
B1762	9

Certifed by C Hrynkiw

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Northern Analytical Laboratories ltd.

August 28,1991 Work Order # 13291

Placer Dome Exploration Limited
103 Platinum Road
Whitehorse, Yukon
Y1A 5M3

File # 13291f

Project # Lorrie
275

Assay Certificate for Samples Provided

Sample #	Au ppb
B1763	13
B1764	56
B1765	66
B1766	26
B1767	24
B1768	28
B1769	12
B1770	<5
B1771	117
B1772	36
B1773	55
B1774	48
B1775	35
B1776	206
B1777	30
B1778	32
B1779	314
B1780	82
B1781	1288
B1782	21
B1783	112
B1784	33
B1785	32
B1786	<5
B1787	29
B1788	10
B1789	53
B1790	23
B1791	<5
B1792	17
B1793	29

Certified by Chlyotki

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Northern Analytical Laboratories ltd.

August 28,1991

Work Order # 13291

Placer Dome Exploration Limited
103 Platinum Road
Whitehorse, Yukon
Y1A 5M3

File # 13291g

Project # Lorrie 275

Assay Certificate for Samples Provided

Sample #	Au ppb
B1794	1320
B1795	157
B1796	27
B1797	22
B1798	20
B1799	37
B1800	45
B1801	141
B1802	86
B1803	10
B1804	24
B1805	14
B1806	113
B1807	<5
B1808	19
B1809	9
B1810	<5
B1811	31
B1812	<5
B1813	<5
B1814	20
B1815	47
B1816	24
B1817	57
B1818	36
B1819	74
B1820	47
B1821	42
B1822	58
B1823	46
B1824	21
B1825	38

Certified by _____

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Northern Analytical Laboratories ltd.

August 28, 1991

Work Order # 13291

Placer Dome Exploration Limited
103 Platinum Road
Whitehorse, Yukon
Y1A 5M3

File # 13291h

Assay Certificate for Samples Provided

Sample #	Au ppb
B1826	36
B1827	22
B1828	26
B1829	72
B1830	39
B1831	34
B1832	21
B1833	13
B1834	<5
B1835	24
B1836	<5
B1837	<5
B1839	94
B1840	278
B1841	72
B1842	44
B1843	46
B1844	32
B1845	23
B1846	99
B1847	574
B1849	64
B1850	9
B1851	<5
B1852	35
B1853	<5
B1854	93
B1855	<5
B1856	15
B1857	<5
B1858	<5
B1859	<5

Certified by C Hrynkiw

105 Copper Road, Whitehorse, YT, Y1A 2Z7 Ph: (403) 668-4968 Fax: (403) 668-4890

Northern Analytical Laboratories ltd.

August 28,1991 Work Order # 13291

Placer Dome Exploration Limited File # 13291i
103 Platinum Road
Whitehorse, Yukon Project # Lorrie
Y1A 5M3 275

Assay Certificate For Samples Provided

Sample #	Au ppb
B1860	<5
B1861	<5
B1862	>6000
B1863	395
B1864	177
B1865	34
B1866	62
B1867	38
B1868	45
B1869	53
B1870	138
B1871	58
B1872	38
B1873	40
B1874	131
B1875	69
B3684	<5
B3685	<5
B3686	<5
B3687	<5
B3688	8
B4176	<5
B4177	43
B4178	15
B4179	52
B4180	23
B4181	90
B4182	188
B4183	79
B4184	60
B4185	<5

Certified by C Hyoki

105 Copper Road, Whitehorse, YT, Y1A 2Z7 Ph: (403) 668-4968 Fax: (403) 668-4890

Northern Analytical Laboratories ltd.

August 28,1991

Work Order # 13291

Placer Dome Exploration Limited
103 Platinum Road
Whitehorse, Yukon
Y1A 5M3

File # 13291j

Project # Lorrie
275

Assay Certificate for Samples Provided

Sample #	Au ppb
B4186	35
B4187	69
B4188	50
B4189	513
B4190	<5
B4191	<5
B4192	<5
B4193	76
B4194	507
B4195	1653
B4196	705
B4197	198
B4198	278
B4199	21
B4200	<5
B4201	42
B4202	94
B4203	9
B4204	12
B4205	39
B4206	9
B4207	14
B4208	5
B4209	27
B4210	264
B4211	391
B4212	16
B4213	13
B4214	19
B4215	<5
B4216	<5
B4217	<5
B4218	10

Certified by _____

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August 28,1991

Work Order # 13291

Placer Dome Exploration Limited
103 Platinum Road
Whitehorse, Yukon
Y1A 5M3

File # 13291k

Project # Lorrie 275

Assay Certificate for Samples Provided

Sample #	Au oz/ton
B4130	0.051
B3673	2.228
B3674	0.091
B3675	0.357
B3676	0.173
B3683	0.155
B3824	0.114
B3825	0.113
B4126	0.090
B4127	0.305
B4155	0.229

Certified by

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September 11,1991

Work Order # 13291

Placer Dome Exploration Limited
103 Platinum Road
Whitehorse, Yukon
Y1A 5M3

File # 132911

Project # Lorrie 275

Assay Certificate for Samples Provided

Sample #	Au oz/ton
1688	0.038
4195	0.047
1729	0.033
1781	0.020
1794	0.031
1862	0.004

Cerified by C Hryciw

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September 11,1991

Work Order # 13306

Placer Dome Exploration Limited
103 Platinum Road
Whitehorse, Yukon
Y1A 5M3

File # 13306f

Project # Lorrie 275

Assay Certificate for Samples Provided

Sample #	Au oz/ton
4119	0.022
4257	0.033
3695	0.030

Certified by CHypolki

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Northern Analytical Laboratories ltd.

August 29,1991

Work Order # 13306

Placer Dome Exploration Limited
103 Platinum Road
Whitehorse, Yukon
Y1A 5M3

File # 13306a

Project # Lorrie 275

Assay Certificate for Samples Provided

Sample #	Au ppb
B1714	122
B1715	50
B1716	14
B1717	79
B1718	15
B1748	<5
B1749	27
B1750	25
B1838	45
B1851	37
B1951	33
B1952	8
B1953	16
B1954	24
B1955	23
B1956	30
B1957	140
B1958	6
B1959	14
B1960	67
B1961	18
B1962	278
B1963	18
B1964	84
B1965	55
B1967	170
B1968	26
B1969	11
B1971	150
B1972	119

Certified by C Hypki

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August 29,1991

Work Order # 13310

Placer Dome Exploration Limited
103 Platinum Road
Whitehorse, Yukon
Y1A 5M3

File # 13310b

Project # Lorrie 275

Assay Certificate for Samples Provided

Sample #	Au ppb
B1973	34
B1974	293
B1975	273
B3691	59
B3692	25
B3693	24
B3694	97
B3695	1844
B3696	109
B3697	9
B3698	23
B3699	513
B3700	46
B4089	18
B4091	602
B4092	66
B4093	7
B4101	174
B4102	171
B4103	305
B4104	103
B4105	264
B4106	130
B4107	453
B4108	619
B4109	168
B4110	147
B4111	83
B4112	167
B4113	252

Cerified by _____

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Northern Analytical Laboratories ltd.

August 29,1991

Work Order # 13310

August 29, 1991 Exploration Limited

File # 13310c

103 Platinum Road
Whitehorse, Yukon
Y1A 5M3

Project # Lorrie
275

Assay Certificate for Samples Provided

Sample #	Au ppb
B4114	225
B4115	280
B4116	315
B4117	290
B4118	513
B4119	2428
B4120	165
B4121	191
B4122	287
B4123	603
B4124	450
B4125	522
B4140	67
B4156	49
B4170	288
B4171	286
B4172	443
B4173	165
B4174	212
B4175	107
B4219	8
B4220	10
B4221	209
B4222	223
B4223	210
B4224	114
B4225	524
B4226	121
B4227	210
B4228	109

Certified by _____

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Northern Analytical Laboratories ltd.

August 29,1991

Work Order # 13310

Placer Dome Exploration Limited
103 Platinum Road
Whitehorse, Yukon
Y1A 5M3

File # 13310d

Project # Lorrie 275

Assay Certificate for Samples Provided

Sample #	Au ppb
B4229	474
B4230	121
B4231	119
B4232	17
B4233	26
B4234	48
B4235	8
B4236	<5
B4237	11
B4238	19
B4239	9
B4240	13
B4241	99
B4242	11
B4243	57
B4244	31
B4245	30
B4246	40
B4246 -	40
B4247	37
B4248	45
B4249	26
B4250	657
B4251	183
B4252	206
B4253	121
B4254	71
B4255	175
B4256	47
B4257	1303

Certified by Chyoki

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Northern Analytical Laboratories ltd.

August 29,1991

Work Order # 13310

Placer Dome Exploration Limited
103 Platinum Road
Whitehorse, Yukon
Y1A 5M3

File # 13310e

Project #Lorrie
275

Assay Certificate for Samples Provided

Sample #	Au ppb
B4258	14
B4259	<5
B4260	<5
B4261	<5
B4262	16
B4263	18
B4264	11
B4265	60
B4266	60
B4267	171
B4268	187
B4269	85
B4270	436
B4271	58
B4272	175
B4273	312
B4274	86
B4275	15
B4276	854
B4277	648
B4278	214
B4279	118

Certified by C Hyatt

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Northern Analytical Laboratories ltd.

August 28,1991

Work Order # 13310

Placer Dome Exploration Limited
103 Platinum Road
Whitehorse, Yukon
Y1A 5M3

File # 13310b

Project # Lorrie
275

Assay Certificate for Samples Provided

Sample #	Au ppb
10000N	
9800E	243
9850E	3683
9900E	4025
10500E	>6000
10200E	>6000
10150E	>6000
10100E	5093
10050E	1820
10250E	
9925N	992
9950N	1526
9975N	169
10025N	165
10050N	37
10075N	60
10100N	185
10000N	103
10500E	
9811N	247
9850N	110
9875N	110
10050N	53
10075N	2097
10100N	20
10125N	93
10150N	45
10175N	130
10200N	113
10225N	30

Certified by C Hrynkiw

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August 29,1991

Work Order # 13310

Placer Dome Exploration Limited
103 Platinum Road
Whitehorse, Yukon
Y1A 5M3

File # 13310c

Project # Lorrie 275

Assay Certificate for Samples Provided

Sample #	Auoz/ton
9750E	
10175N	0.652
10000N	0.336
10500E	
10075N	0.099
10000N	0.031
9850E	
10000N	0.080
9900E	
10000N	0.063
9950E	
10000N	0.062
10200E	
10000N	0.061
10150E	
10000N	0.035
10100E	
10000N	0.051
10050E	
10000N	0.063

Cerified by _____

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Northern Analytical Laboratories ltd.

August 28,1991

Work Order # 13310

Placer Dome Exploration Limited
103 Platinum Road
Whitehorse, Yukon
Y1A 5M3

File # 13310a

Project # Lorrie 275

Assay Certificate for Samples Provided

Sample #	Au ppb
9500E	
10025N	82
10050N	52
10075N	1107
10100N	135
10125N	42
10150N	27
10200N	77
9650E	
10000N	284
9750E	
9800N	266
9850N	433
9875N	452
9900N	154
9925N	194
10000N	3099
10025N	225
10050N	592
10100N	222
10125N	101
10150N	130
10175N	>6000
10200N	1049
10225N	281
10250N	410
10275N	642
10300N	26

Certified by Chyokki

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Northern Analytical Laboratories ltd.

September 9,1991

Work Order # 13327

Placer Dome Exploration Limited
103 Platinum Road
Whitehorse, Yukon
Y1A 5M3

File # 13327

Project # Lorrie 275

Assay Certificate for Samples Provided

Sample #	Au ppb
B1719	<5
B1720	41
B1721	10
B1722	34
B1723	6
B1724	24
B4651	6
B4652	<5
B4653	<5
B4654	15
B4655	5
B4656	8
B4657	10
B4658	11
B4659	11
B4660	6
B4661	<5
B4662	10
B4663	11
B4664	8
B4665	23
B4666	<5
B4667	<5
B4668	<5
B4669	6
B4670	10
B4671	6
B4671A	<5
B4672	8
B4673	<5

Cerified by

105 Copper Road, Whitehorse, YT, Y1A 2Z7 Ph: (403) 668-4968 Fax: (403) 668-4890

Northern Analytical Laboratories ltd.

September 6,1991

Work Order # 13327

Placer Dome Exploration Limited
103 Platinum Road
Whitehorse, Yukon
Y1A 5M3

File # 13327a

Project # Lorrie 275

Assay Certificate for Samples Provided

Sample #	Au ppb
B4138	41
B4139	<5
B4141	<5
B4142	<5
B4143	15
B4144	148
B4145	476
B4157	28
B4158	<5
B4159	18
B4160	>6000
B4161	61
B4162	12

Certified by C Hypolite

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Northern Analytical Laboratories ltd.

September 9,1991
Placer Dome Exploration
103 Platinum Road
Whitehorse, Yukon
Y1A 5M3

Work Order # 13327

File # 13327b

Project # Lorrie 275

Assay Certificate for Samples Provided

Sample #	Au ppb
B4674	<5
B4676	19
B4677	8
B4678	7
B4679	<5
B4680	25
B4681	8
B4682	<5
B4683	9
B4684	<5
B4685	7
B4686	15
B4687	8
B4688	8
B4689	21
B4690	243
B4691	59
B4692	45
B4693	14
B4694	185
B4695	23
B4696	17
B4697	5
B4698	16
B4699	14
B4700	13
B4801	7
B4802	9
B4803	9
B4804	8
B4805	32

Mik

Certified by _____

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Northern Analytical Laboratories ltd.

September 9,1991

Work Order # 13327

Placer Dome Exploration
103 Platinum Road
Whitehorse, Yukon
Y1A 5M3

File # 13327c

Project # Lorrie 275

Assay Certificate for Samples Provided

Sample #	Au ppb
B4806	30
B4807	7
B4808	25
B4809	11
B4810	12
10000E 9675N	36
10000E 9700N	26
10000E 9725N	45
10000E 9750N	63
10000E 9775N	217
10000E 9800N	223
10000E 9825N	116
10000E 9850N	48
10000E 9875N	130
10000E 9900N	39
10000E 9925N	71
10000E 9950N	63
10000E 9975N	257

MIK

Certified by _____

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Northern Analytical Laboratories ltd.

September 11,1991

Work Order # 13352

Placer Dome Exploration Limited
103 Platinum Road
Whitehorse, Yukon
Y1A 5M3

File # 13352

Project # Lorrie
275

Assay Certificate for Samples Provided

Sample #		Au ppb
B4094		44
10000E	10000N	43
10000E	10025N	94
10000E	10050N	32
10000E	10075N	11
10000E	10100N	12
10000E	10125N	23
10000E	10150N	34
10000E	10175N	89
10000E	10200N	14
10000E	10225N	21
10000E	10250N	27
10000E	10275N	25
10000E	10300N	35

Certified by Akyokki

105 Copper Road, Whitehorse, YT, Y1A 2Z7 Ph: (403) 668-4968 Fax: (403) 668-4890

PLACER DOME RESEARCH CENTRE
Geochemical Analysis

Project/Venture: V275 | Geol.: D STRAIN | Date Received: JULY 10,1991 | Page 1 of 2
Area: LORRIE | Lab Project No.: P1420 | Date Completed: JULY 22,1991 | Attn: D STRAIN
Remarks: J KOWALCHUK
Au – 10.0 g sample digested with Aqua Regia and determined by A.A. (D.L. 5 PPB) E KIMURA
ICP – 0.5 g sample digested with 4 ml Aqua Regia at 100 Deg. C for 2 hours. R HODGSON
N.B. The major oxide elements and Ba, Be, Cr, La and W are rarely dissolved completely with this acid dissolution method.

SAMPLE No.	Au ppb	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	Sb ppm	Sr ppm	Ti %	V ppm	W ppm	Zn ppm
B4351	<5	0.1	1.22	14	194	<1	2	0.52	0.2	8	31	28	2.82	0.09	8	0.59	363	1	0.02	17	0.09	10	<5	51	0.06	59	<10	77
B4352	<5	2.8	1.92	92	304	<1	11	0.51	1.8	32	15	71	4.97	0.25	16	0.98	927	<1	0.02	22	0.12	366	11	53	0.13	79	<10	694
B4353	<5	0.1	2.11	34	284	<1	<2	0.34	<0.1	15	28	53	3.83	0.21	14	0.95	483	2	0.01	21	0.08	14	<5	45	0.09	66	<10	65
B4354	<5	0.1	2.23	66	291	<1	6	0.53	<0.1	24	27	108	4.64	0.22	15	0.95	605	1	0.04	33	0.08	14	5	62	0.08	65	<10	65
B4355	10	0.1	3.52	57	186	1	<2	4.25	0.2	12	41	30	2.97	0.33	13	1.33	566	1	0.26	24	0.08	12	7	246	0.09	51	<10	75
B4356	<5	<0.1	2.64	17	238	<1	<2	0.51	<0.1	15	40	38	3.49	0.10	14	1.05	586	1	0.08	32	0.08	11	<5	68	0.10	68	<10	73
B4357	<5	0.1	2.29	19	238	<1	<2	0.92	0.1	17	40	38	3.59	0.13	14	0.85	659	<1	0.06	34	0.06	13	<5	73	0.10	66	<10	74
B4358	10	<0.1	3.06	19	147	1	<2	3.00	0.2	14	38	28	2.96	0.19	12	1.01	528	1	0.28	29	0.06	8	10	183	0.09	51	<10	66
B4359	<5	<0.1	3.27	16	169	1	<2	4.93	0.2	13	38	28	2.79	0.25	12	1.20	489	1	0.26	25	0.07	7	<5	221	0.10	49	<10	69
B4359*	<5	<0.1	3.28	13	173	1	<2	4.96	0.1	13	38	28	2.81	0.25	12	1.20	492	1	0.26	25	0.07	7	<5	223	0.10	49	<10	68
B4360	<5	<0.1	3.40	20	153	1	<2	7.79	0.2	10	39	21	2.39	0.45	11	1.21	450	1	0.30	18	0.08	6	<5	257	0.10	47	<10	66
B4361	10	<0.1	2.46	22	123	<1	<2	3.44	0.1	7	36	22	1.70	0.11	9	0.78	364	<1	0.22	13	0.07	6	<5	182	0.06	31	<10	56
B4362	110	0.4	2.29	188	340	<1	2	1.18	0.4	29	11	193	4.89	0.41	23	0.97	669	<1	0.12	25	0.19	42	6	119	0.11	83	32	111
B4363	15	0.6	2.73	312	289	1	6	1.28	0.3	35	19	278	5.83	0.24	20	0.99	610	2	0.12	55	0.12	26	12	106	0.10	65	<10	104
B4364	<5	0.2	3.97	114	290	1	5	0.37	0.5	25	42	139	3.54	0.18	16	1.18	716	<1	0.03	41	0.13	22	<5	59	0.12	85	<10	125
B4365	<5	0.1	3.35	209	239	1	<2	0.85	0.3	26	37	106	3.36	0.12	16	1.03	1182	<1	0.02	31	0.13	24	<5	61	0.07	58	<10	165
B4371	<5	5.1	3.12	0.42%	96	3	115	1.59	3.0	88	<1	2040	13.45	0.10	151	0.78	3283	<1	0.01	47	0.10	515	1829	74	0.01	29	<10	403
B4376	<5	0.1	1.49	16	215	<1	<2	0.36	<0.1	8	25	24	2.67	0.05	18	0.54	458	<1	<0.01	22	0.06	12	<5	37	0.02	34	<10	64
B4377	<5	0.5	1.24	23	315	<1	<2	0.78	0.2	12	10	96	5.19	0.05	109	0.38	6608	<1	0.01	30	0.10	18	7	53	0.02	41	<10	70
B4377*	<5	0.5	1.25	18	320	<1	4	0.78	0.2	12	10	96	5.24	0.05	110	0.39	6670	<1	0.01	30	0.10	18	9	53	0.02	41	<10	78
B4378	<5	0.4	0.92	20	108	1	<2	0.46	<0.1	21	7	54	3.94	0.12	29	0.79	1289	3	<0.01	37	0.12	23	15	43	<0.01	29	<10	37
B4379	<5	1.6	1.89	27	178	1	27	0.45	<0.1	17	24	82	5.76	0.08	35	1.25	1140	<1	<0.01	32	0.09	70	6	47	0.03	53	<10	92
B4380	<5	0.2	1.69	38	283	<1	<2	0.41	0.2	11	26	39	3.67	0.05	18	0.77	724	1	<0.01	27	0.10	20	<5	42	0.03	50	<10	96
B4381	<5	<0.1	1.40	9	158	<1	<2	0.17	<0.1	21	21	39	3.61	0.06	16	0.57	956	<1	<0.01	31	0.07	11	<5	32	0.03	45	<10	69
B4382	<5	<0.1	1.57	13	159	<1	<2	0.28	<0.1	17	22	33	3.72	0.07	16	0.71	793	<1	<0.01	28	0.09	9	<5	37	0.04	51	<10	74
B4383	<5	<0.1	1.55	9	145	<1	<2	0.12	<0.1	9	25	20	3.05	0.05	15	0.54	381	<1	<0.01	23	0.05	9	<5	26	0.03	41	<10	57
B4384	<5	0.1	1.83	109	142	1	2	0.37	<0.1	13	27	45	4.11	0.08	17	1.01	856	2	<0.01	31	0.09	25	7	38	0.04	54	<10	78
B4385	<5	1.3	1.51	72	184	<1	45	0.55	0.1	12	24	62	3.80	0.08	22	0.71	669	1	0.01	26	0.09	104	11	42	0.04	51	11	86
B4386	<5	0.1	1.37	15	233	<1	<2	0.26	<0.1	8	21	28	3.28	0.08	26	0.59	432	<1	<0.01	20	0.11	13	<5	36	0.02	37	<10	79
B4386*	<5	0.1	1.33	17	226	<1	<2	0.26	<0.1	8	22	27	3.18	0.08	25	0.57	415	<1	<0.01	19	0.11	12	<5	36	0.02	36	<10	77
B4387	<5	0.1	1.28	9	177	<1	<2	0.55	0.1	8	21	28	2.80	0.09	25	0.80	499	2	<0.01	19	0.09	9	<5	42	0.02	26	<10	51
B4388	<5	<0.1	1.49	12	212	<1	<2	0.26	<0.1	8	26	26	3.03	0.06	22	0.81	586	<1	<0.01	20	0.08	8	<5	33	0.02	37	<10	60
B4389	<5	<0.1	1.39	18	112	<1	<2	0.10	0.1	8	27	22	3.35	0.07	12	0.47	344	<1	<0.01	16	0.05	14	<5	31	0.07	54	<10	59
B4390	<5	<0.1	1.34	23	126	<1	<2	0.14	0.1	7	26	18	2.84	0.06	11	0.39	268	<1	<0.01	15	0.05	16	<5	28	0.05	50	<10	58
B4391	<5	0.1	2.17	30	172	1	<2	0.85	0.2	11	30	42	3.38	0.12	16	1.43	642	2	0.03	23	0.09	21	12	64	0.06	69	<10	80
B4392	<5	0.1	2.78	15	265	1	<2	1.04	0.3	18	26	56	4.24	0.30	14	1.51	1489	<1	0.08	31	0.11	11	<5	128	0.10	100	<10	115
B4393	<5	<0.1	1.95	15	342	<1	<2	0.54	0.2	13	26	38	3.36	0.24	16	0.87	621	<1	0.04	26	0.11	6	<5	74	0.09	65	<10	70
B4394	<5	<0.1	2.09	23	272	<1	<2	0.38	<0.1	15	42	25	3.87	0.20	10	1.10	535	<1	0.01	26	0.08	8	7	47	0.10	90	<10	71
B4395	<5	<0.1	1.96	18	321	<1	<2	0.71	0.2	20	9	36	4.64	0.24	20	1.06	1466	<1	0.02	19	0.16	7	<5	104	0.09	93	<10	69
STD-P1/AU8	350	0.3	1.02	21	184	<1	<2	0.87	0.4	8	106	23	2.07	0.33	7	0.79	554	46	0.06	29	0.08	42	5	96	0.11	33	<10	138
B4396	<5	0.1	2.86	28	439	<1	<2	0.83	0.1	24	4	39	5.44	0.26	20	1.52	1434	<1	0.05	22	0.13	10	8	112	0.13	158	<10	84
B4397	<5	0.1	2.93	21	295	1	<2	0.94	0.3	16	39	32	3.92	0.16	15	1.29	930	<1	0.03	27	0.11	14	<5	70	0.07	81	<10	99
B4398	<5	0.1	3.28	18	231	1	2	1.23	0.2	12	35	36	3.35	0.24	18	1.44	512	<1	0.11	25	0.08	10	<5	101	0.09	58	<10	86
B4399	<5	0.1	2.75	15	193	1	<2	0.91	0.2	12	36	35	3.20	0.17	17	1.22	599	1	0.08	24	0.07	9	<5	79	0.09	63	<10	81
B4400	<5	0.1	2.43	17	242	<1	5	1.04	0.2	15	32	38	3.41	0.14	16	1.13	722	<1	0.06	25	0.08	9	5	77	0.08	66	<10	79
B4401	<5	0.4	1.28	31	142	1	2	0.76	0.3	17	11	58	3.88	0.13	28	1.15	1121	5	<0.01	37	0.10	34	<5	51	0.01	46	<10	117
B4402	<5	0.5	1.95	27	311	1	3	0.69	0.4	29	21	103	5.13	0.14	48	1.11	3325	2	0.01	45	0.15	26	11	51	0.04	77	<10	88
B4403	<5	0.7	1.07	24	134	<1	42	0.35	0.1	14	14	113	5.24	0.06	24	0.34	922	2	<0.01	26	0.12	70	15	43	0.01	43	<10	93
B4404	<5	1.2	1.56	30	167	1	24	0.38	0.2	13	34	117	3.76	0.11	24	0.79	684	1	0.01	28	0.09	83	22	47	0.06	52	<10	88
B4404*	<5	1.1	1.56	31	170	1	21	0.39	0.2	13	34	115	3.75	0.11	24	0.79	684	1	0.01	28	0.09	82	23	48	0.06	52	<10	88

PLACER DOME RESEARCH CENTRE
Geochemical Analysis

Project/Venture: V275 | Geol.: D STRAIN | Date Received: JULY 10,1991 | Page 2 of 2
Area: LORRIE | Lab Project No.: P1420 | Date Completed: JULY 22,1991 | Attn: D STRAIN
Remarks: J KOWALCHUK
E KIMURA
R HODGSON

Au – 10.0 g sample digested with Aqua Regia and determined by A.A. (D.L 5 PPB)
ICP – 0.5 g sample digested with 4 ml Aqua Regia at 100 Deg. C for 2 hours.
N.B. The major oxide elements and Ba, Be, Cr, La and W are rarely dissolved completely with this acid dissolution method.

SAMPLE No.	Au ppb	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	Sb ppm	Sr ppm	Ti %	V ppm	W ppm	Zn ppm
B4405	<5	3.8	1.84	27	314	1	83	0.62	0.3	15	23	66	4.78	0.06	39	0.68	1524	2	<0.01	24	0.10	314	21	40	0.03	67	14	98
B4406	<5	0.1	1.48	19	185	<1	<2	0.49	0.1	13	17	41	4.54	0.07	24	0.78	1211	<1	<0.01	25	0.11	15	5	46	0.02	64	<10	95
B4407	<5	0.1	1.21	11	173	<1	<2	0.90	0.1	9	19	24	2.97	0.10	28	0.77	679	<1	0.01	20	0.09	13	10	53	0.02	23	<10	59
B4408	<5	0.1	1.33	12	218	<1	<2	1.36	0.2	8	20	21	3.03	0.11	27	0.76	927	<1	0.02	18	0.10	13	5	74	0.02	21	<10	58
B4409	<5	<0.1	1.20	11	144	<1	<2	0.23	0.1	10	26	22	2.87	0.06	16	0.41	495	<1	<0.01	21	0.06	11	<5	32	0.03	39	<10	69
B4410	<5	0.1	1.47	17	139	<1	<2	0.11	0.3	10	28	23	3.10	0.06	13	0.40	407	<1	<0.01	20	0.05	12	<5	28	0.05	47	<10	68
B4411	<5	<0.1	1.76	20	179	<1	<2	0.26	0.2	9	27	35	2.89	0.12	22	0.74	580	<1	<0.01	21	0.08	14	<5	51	0.05	42	<10	59
B4412	<5	0.1	3.13	16	199	1	<2	1.39	0.3	15	32	49	3.41	0.27	11	2.48	873	1	0.15	29	0.10	8	<5	162	0.10	98	<10	93
B4413	<5	<0.1	2.40	21	256	<1	2	0.22	<0.1	11	35	44	3.95	0.18	9	1.03	436	2	0.02	22	0.07	8	7	41	0.11	84	<10	81
B4413*	<5	<0.1	2.22	17	238	<1	<2	0.20	<0.1	10	33	41	3.88	0.17	8	0.96	412	<1	0.01	21	0.07	7	<5	41	0.10	78	<10	97
B4414	<5	<0.1	2.44	21	287	<1	4	1.45	0.2	13	31	42	3.26	0.17	17	1.89	600	<1	0.13	23	0.09	11	<5	121	0.08	53	<10	84
B4415	<5	0.1	2.46	47	314	1	3	0.53	<0.1	17	22	46	4.49	0.16	28	1.12	714	2	0.02	29	0.11	21	<5	106	0.07	76	<10	81
B4416	<5	<0.1	2.34	33	220	<1	2	1.30	<0.1	14	37	32	3.88	0.13	17	1.11	903	2	0.04	25	0.10	12	6	79	0.06	60	<10	65
B4417	<5	0.1	2.36	33	247	1	3	0.99	<0.1	19	30	60	5.19	0.19	22	1.18	1048	<1	0.07	42	0.10	18	7	143	0.08	71	<10	79
B4418	<5	<0.1	1.89	23	243	<1	4	1.00	0.2	15	39	24	2.99	0.08	11	0.74	913	<1	0.03	21	0.11	15	<5	72	0.05	59	<10	87
B4419	<5	<0.1	2.99	31	217	1	3	1.51	0.2	15	43	40	4.08	0.20	16	1.61	809	<1	0.16	31	0.08	11	<5	127	0.11	78	<10	83
B4420	<5	<0.1	3.43	21	204	1	2	1.49	0.1	11	38	28	3.45	0.24	18	1.87	461	<1	0.11	24	0.07	15	<5	116	0.11	63	<10	99
B4421	<5	<0.1	2.55	30	177	1	<2	3.46	0.1	11	37	18	2.72	0.24	22	1.15	460	<1	0.11	21	0.08	11	<5	146	0.08	45	<10	75
B4422	<5	<0.1	3.26	17	178	1	2	3.27	0.1	9	39	15	2.58	0.21	13	1.23	401	<1	0.20	17	0.07	8	<5	181	0.08	39	<10	68
STD-P1/AU8	270	0.3	0.96	23	184	<1	<2	0.83	0.3	6	103	23	2.08	0.31	8	0.77	545	41	0.06	29	0.07	49	<5	93	0.10	32	<10	136
B4423	<5	<0.1	2.76	25	156	1	<2	6.95	0.2	10	37	30	2.45	0.32	13	1.18	480	3	0.16	17	0.08	5	16	205	0.07	42	<10	65
B4424	<5	<0.1	3.11	10	116	<1	<2	3.10	0.1	8	33	14	2.25	0.13	9	1.09	382	1	0.27	13	0.06	5	6	169	0.08	36	<10	67
B4425	<5	<0.1	2.12	20	74	<1	<2	8.38	0.2	6	30	10	1.45	0.22	7	0.71	260	<1	0.21	11	0.06	<2	7	219	0.06	28	<10	36
B4426	10	ass	1.93	0.26%	118	1	16	1.18	16.2	27	5	196	6.81	0.14	32	0.95	1742	2	0.05	48	0.12	0.84%	1368	148	0.04	51	<10	2239
B4427	35	ass	1.39	1423	96	<1	24	0.80	2.8	16	<1	371	11.06	0.08	19	0.81	1234	<1	0.03	16	0.09	0.60%	296	87	0.03	20	<10	686
B4428	<5	0.2	3.21	28	192	1	<2	2.16	0.2	14	37	41	3.03	0.14	15	1.03	601	2	0.21	27	0.07	33	9	165	0.09	46	<10	88
B4429	10	1.0	2.79	253	204	1	3	0.87	0.5	27	24	500	4.89	0.19	21	0.96	480	2	0.10	57	0.11	42	15	88	0.09	81	11	115
B4430	1275	3.2	1.76	5011	207	<1	403	0.79	0.8	56	11	1668	5.30	0.10	22	0.50	440	2	0.05	76	0.12	54	30	57	0.04	40	76	156
B4431	40	1.7	2.21	0.26%	199	1	15	0.45	0.5	24	10	1633	6.31	0.13	24	0.62	545	3	0.04	61	0.12	48	28	97	0.06	53	21	132
B4431*	50	1.7	2.10	0.26%	191	1	11	0.43	0.4	23	10	1552	6.03	0.12	23	0.59	519	3	0.04	58	0.12	48	27	95	0.06	51	12	126
B4432	45	0.5	2.04	1558	122	1	14	0.33	0.2	27	12	861	6.36	0.08	18	0.68	557	<1	0.03	60	0.11	26	19	74	0.06	54	28	111
B4433	800	1.3	2.01	0.49%	119	1	104	0.47	0.2	29	10	521	6.43	0.04	32	0.25	751	<1	0.02	25	0.12	19	13	41	0.02	35	<10	71
B4433*	725	1.3	2.00	4629	120	1	100	0.47	0.2	28	10	514	6.40	0.04	32	0.25	750	<1	0.02	25	0.12	20	17	42	0.02	35	<10	79

July 10 Shipment.

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PLACER DOME RESEARCH CENTRE
Geochemical Analysis

Project/Venture: V275 | Geol.: D STRAIN | Date Received: JULY 12, 1991 | Page 1 of 1
Area: LORRIE 116A | Lab Project No.: P1421 | Date Completed: JULY 12, 1991 | Attn: D STRAIN, J KOWALCHUK, E KIMURA, R HODGSON
Remarks:
Au – 10.0 g sample digested with Aqua Regia and determined by A.A. (D.L. 5 PPB)
ICP – 0.5 g sample digested with 4 ml Aqua Regia at 100 Deg. C for 2 hours.
N.B. The major oxide elements and Ba, Be, Cr, La and W are rarely dissolved completely with this acid dissolution method.

SAMPLE No.	Au ppb	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	Sb ppm	Sr ppm	Ti %	V ppm	W ppm	Zn ppm
B1591	35	0.5	1.19	22	141	<1	3	0.30	1.0	10	69	60	2.86	0.39	6	0.57	154	11	0.03	43	0.07	12	25	15	0.01	49	<10	187
B1592	<5	<0.1	2.97	8	77	<1	<2	6.31	0.2	5	70	2412	0.45	0.08	13	0.07	85	2	0.28	12	0.09	5	8	271	0.07	11	<10	22
B1593	320	0.4	1.73	0.62%	44	<1	16	2.24	<0.1	51	36	253	6.50	0.09	12	1.11	155	<1	0.08	15	0.07	19	51	44	0.04	36	<10	26
B1938	<5	<0.1	0.25	43	111	<1	3	2.15	1.1	2	115	14	0.49	0.07	6	0.06	100	2	0.03	5	0.05	20	<5	43	0.28	19	<10	119
B1939	<5	<0.1	2.35	26	96	<1	3	1.66	<0.1	10	127	63	2.29	0.45	9	0.86	112	2	0.22	29	0.15	10	17	133	0.12	75	<10	28
B3651	<5	0.2	2.56	15	56	1	<2	3.84	0.4	13	87	42	3.97	0.29	9	0.47	224	6	0.31	40	0.14	18	13	247	0.11	63	<10	133
B3652	<5	0.2	2.50	19	71	<1	3	1.36	<0.1	16	68	121	3.67	0.45	7	0.79	152	2	0.24	30	0.12	39	6	161	0.14	48	<10	44
B3653	55	470.0	0.04	596	7	<1	96	0.05	28.1	4	45	374	18.96	0.17	1	0.02	145	<1	<0.01	7	0.03	12.4%	704	3	<0.01	3	<10	0.68%
B3654	10	4.8	0.32	870	29	<1	26	0.34	0.9	5	65	391	16.21	0.11	9	0.10	141	<1	<0.01	10	0.07	840	449	12	<0.01	13	<10	126
STD-P1/AU8	325	0.3	1.03	22	184	<1	2	0.87	0.3	6	106	25	2.17	0.36	6	0.80	549	43	0.07	30	0.08	50	6	78	0.10	33	<10	143
B3655	5	4.1	1.31	137	105	<1	2	0.09	<0.1	2	108	80	4.66	0.22	21	0.84	264	2	<0.01	4	0.09	761	194	7	<0.01	44	14	49
B3701	<5	3.0	1.22	220	110	<1	<2	1.09	0.8	3	95	212	5.66	0.29	16	0.84	238	1	0.02	12	0.09	268	33	27	0.08	46	<10	120
B3702	<5	1.3	1.97	40	94	<1	<2	0.39	<0.1	5	153	335	5.93	1.13	31	1.76	263	<1	0.03	19	0.11	112	11	23	0.08	86	<10	52
B3751	<5	2.3	1.20	143	77	<1	6	0.21	<0.1	8	56	210	5.77	0.26	17	0.76	217	1	<0.01	9	0.09	88	7	7	<0.01	30	<10	37
B3752	<5	0.6	2.79	36	24	<1	<2	1.19	<0.1	5	76	154	4.75	0.05	19	1.24	205	<1	0.14	7	0.14	42	16	42	0.03	49	<10	35
B3753	65	52.0	0.09	2.25%	6	<1	140	0.84	20.1	52	32	1135	18.88	0.03	3	0.23	2356	<1	<0.01	11	0.03	1.70%	1.62%	16	<0.01	4	<10	2053
B3754	10	4.6	0.86	0.37%	91	<1	6	2.20	0.2	8	28	186	7.93	0.12	18	0.31	243	<1	0.07	8	0.09	318	104	72	0.06	20	<10	85
B3755	30	0.7	0.59	66	46	1	<2	10.11	1.8	6	47	29	2.23	0.06	20	1.14	1061	<1	0.01	12	0.06	92	76	183	0.01	23	<10	221
B3756	20	142.0	0.03	57	5	<1	43	1.89	56.0	5	21	639	16.59	0.02	2	0.55	3596	<1	<0.01	16	0.03	11.0%	4.56%	27	<0.01	4	<10	0.65%
B3756*	25	142.0	0.03	51	5	<1	42	1.83	55.3	5	34	639	16.56	0.01	3	0.54	3557	<1	<0.01	15	0.03	11.0%	4.56%	26	<0.01	4	<10	0.65%
B3757	80	21.0	0.03	2.57%	6	<1	153	0.86	24.0	35	46	892	14.43	0.01	4	0.21	906	<1	<0.01	10	0.02	11.1%	5.67%	20	<0.01	5	12	1061
B3758	<5	14.0	0.12	0.22%	27	<1	78	8.55	9.2	11	51	444	11.85	0.05	6	2.07	3298	<1	0.01	22	0.02	1.30%	1.22%	138	<0.01	12	<10	886
B3759	<5	1.9	0.66	142	113	<1	81	0.34	2.3	127	32	1103	20.18	0.09	12	0.22	304	3	0.01	35	0.10	381	339	15	0.02	33	14	93
B3760	<5	0.9	0.42	38	284	<1	5	0.45	0.1	7	15	236	9.86	0.26	22	0.11	98	<1	0.03	3	0.31	336	294	54	0.02	25	<10	29
B3761	<5	72.0	0.11	0.22%	12	<1	90	0.15	6.8	11	55	788	13.40	0.05	5	0.04	96	<1	<0.01	26	0.03	3.75%	3.55%	7	<0.01	6	<10	206
B3762	140	90.0	0.07	9.76%	11	<1	60	2.17	94.3	107	24	612	17.26	0.03	4	0.61	1807	<1	<0.01	22	0.04	4.85%	-6	85	<0.01	6	<10	1.11%
B3763	<5	5.0	1.04	739	37	1	4	0.95	1.0	4	52	439	8.59	0.12	19	0.28	204	<1	0.04	7	0.03	392	206	22	0.04	20	<10	109
B3764	<5	158.0	0.05	176	17	<1	30	4.01	512.9	9	41	1176	12.87	0.02	5	1.53	5715	<1	<0.01	11	0.06	10.25%	4.60%	187	<0.01	8	52	7.00%
B3801	<5	2.3	0.10	62	15	<1	3	6.04	7.8	4	157	41	1.54	0.01	4	0.48	1431	4	0.01	8	0.01	536	235	59	<0.01	12	<10	675
B3801*	<5	2.3	0.10	61	14	<1	3	5.94	5.9	4	155	36	1.54	0.01	4	0.47	1377	3	0.01	8	0.01	531	230	56	<0.01	12	<10	671
B3802	30	430.0	0.33	201	14	<1	128	0.63	8.8	7	37	509	15.02	0.15	8	0.26	841	<1	<0.01	17	0.07	6.60%	781	16	<0.01	14	12	649
B3803	<5	3.3	1.87	25	238	1	3	1.71	0.2	11	85	26	3.53	0.11	31	1.20	696	3	0.03	12	0.08	522	21	74	<0.01	64	<10	68
B3804	10	1.5	0.06	2	20	<1	<2	0.03	0.1	1	232	8	0.46	0.03	2	0.01	35	5	<0.01	10	<0.01	273	20	4	<0.01	2	<10	11
B3805	<5	0.6	5.30	248	20	<1	3	5.25	0.3	7	41	34	0.78	0.04	7	0.26	124	2	0.35	31	0.16	88	16	296	0.40	53	<10	33
B3806	440	1.8	0.76	254	30	<1	54	1.79	0.2	5	76	842	0.91	0.05	23	0.04	276	2	0.18	11	0.04	240	-7	36	0.04	9	19	42
B3807	<5	0.6	0.82	0.26%	69	<1	3	3.76	<0.1	12	44	134	4.37	0.15	22	0.30	353	1	0.01	6	0.11	21	68	24	<0.01	42	<10	27
B3807*	5	0.6	0.80	0.26%	67	<1	3	3.70	<0.1	12	44	129	4.32	0.15	22	0.30	346	1	0.01	6	0.10	20	72	23	<0.01	41	<10	25

PLACER DOME RESEARCH CENTRE
Geochemical Analysis

Project/Venture: V275 | Geologist: D STRAIN | Date Received: AUG 6, 1991 | Page 1 of 2
Area: LORRIE | Lab Project No.: P1464 | Date Completed: AUG 22, 1991 | Attn: D STRAIN
Remarks: J KOWALCHUK
Au – 10.0 g sample digested with Aqua Regia and determined by A.A. (D.L. 5 PPB) E KIMURA
ICP – 0.5 g sample digested with 4 ml Aqua Regia at 100 Deg. C for 2 hours. R HODGSON
N.B. The major oxide elements and Ba, Be, Cr, La and W are rarely dissolved with this acid dissolution method.

SAMPLE No.	Au ppb	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	Sb ppm	Sr ppm	Ti %	V ppm	W ppm	Zn ppm
B3656		<0.1	0.47	35	236	<1	<2	16.53	0.3	6	25	15	1.38	0.07	8	0.76	297	<1	0.01	10	0.05	<2	22	598	<0.01	20	<10	38
B3657		16.0	0.93	377	86	<1	4	3.95	0.9	4	31	0.54%	1.89	0.04	24	0.23	270	<1	0.19	7	0.08	11	11	76	0.03	9	<10	141
B3658		12.0	0.96	0.82%	9	<1	20	6.23	1.2	37	31	0.54%	2.32	0.04	5	0.16	242	2	0.25	22	0.07	8	40	78	0.01	10	<10	154
B3659		1.3	0.12	72	22	<1	7	0.11	2.7	2	131	24	0.82	0.08	9	<0.01	76	6	<0.01	5	0.04	162	<5	8	<0.01	2	<10	418
B3660		0.5	0.55	11	60	<1	3	0.02	1.1	11	116	28	1.48	0.13	12	0.27	77	6	<0.01	30	<0.01	54	9	5	0.02	5	<10	211
B3661		0.3	0.14	76	21	<1	<2	0.03	0.5	4	109	22	2.53	0.03	14	<0.01	247	6	<0.01	8	0.06	23	10	15	<0.01	6	<10	94
B3662		0.4	0.05	14	20	<1	<2	0.03	1.2	1	174	5	0.59	0.04	10	<0.01	48	11	<0.01	4	<0.01	43	<5	4	<0.01	2	<10	150
B3663		0.5	0.04	6.88%	19	<1	16	<0.01	0.4	283	59	31	6.15	0.03	16	<0.01	28	4	<0.01	64	0.03	10	102	2	<0.01	1	<10	66
B3664		0.1	3.24	314	152	2	<2	2.04	0.4	7	60	12	0.93	0.21	20	0.20	151	6	0.14	11	0.04	26	16	78	0.03	17	<10	65
B3664*		0.1	3.31	307	155	2	<2	2.09	0.4	7	69	13	0.94	0.22	20	0.20	153	2	0.15	12	0.04	27	10	80	0.03	18	<10	67
B3665		0.5	0.07	2.67%	23	<1	3	0.03	0.2	152	95	100	2.72	0.03	23	<0.01	35	7	<0.01	27	0.02	12	29	5	<0.01	3	11	26
B3666		0.2	0.19	0.22%	52	<1	<2	0.02	0.3	10	111	29	0.80	0.07	14	0.02	71	6	<0.01	6	0.02	11	<5	24	<0.01	2	<10	30
B3667		1.1	0.04	1261	26	<1	<2	0.01	0.3	9	152	44	0.43	0.02	6	<0.01	54	8	<0.01	5	<0.01	8	<5	6	<0.01	<1	<10	39
B3668		0.3	0.06	481	9	<1	<2	0.01	0.4	3	131	50	1.04	0.02	6	<0.01	39	7	<0.01	4	0.01	12	<5	2	<0.01	1	<10	76
B3669		8.0	0.17	144	134	<1	9	<0.01	0.3	<1	107	23	1.87	0.32	38	<0.01	18	4	0.01	1	0.02	1053	<5	10	<0.01	2	<10	41
B3670		43.0	0.05	14.3%	18	<1	30	<0.01	0.1	486	12	2135	12.42	0.03	2	<0.01	31	<1	<0.01	125	0.04	626	287	2	<0.01	<1	<10	54
B3765		1.3	0.44	674	52	1	<2	10.22	3.1	7	21	54	3.35	<0.01	13	2.40	811	<1	0.01	12	0.08	496	8	135	<0.01	34	<10	459
B3766		4.7	0.44	1.31%	39	<1	<2	5.88	12.1	8	35	86	2.88	0.03	8	0.87	548	2	<0.01	15	0.08	2311	60	107	<0.01	32	63	1589
B3767		13.0	0.02	6.40%	3	<1	111	0.11	0.7	540	<1	1181	23.84	<0.01	<1	0.03	541	<1	<0.01	93	0.02	514	676	1	<0.01	<1	<10	152
STD-P1		0.3	1.03	21	195	<1	<2	0.88	0.4	6	110	26	2.01	0.36	4	0.82	550	47	0.06	30	0.08	53	6	81	0.10	33	<10	148
B3768		1.1	0.79	1.11%	20	<1	<2	13.36	1.1	138	23	30	3.33	0.01	23	0.71	2936	<1	<0.01	14	0.08	154	154	126	<0.01	46	<10	115
B3769		0.4	0.04	651	20	<1	<2	2.20	0.1	12	109	45	1.25	<0.01	<1	0.03	458	4	<0.01	4	<0.01	23	7	69	<0.01	4	<10	16
B3770		0.4	0.41	34	53	<1	<2	0.85	0.2	4	110	80	1.07	0.08	2	0.27	257	8	<0.01	6	0.03	14	<5	29	0.02	16	<10	19
B3771		0.1	0.03	12	21	<1	<2	0.25	0.3	2	136	4	0.24	0.02	3	<0.01	122	6	<0.01	3	<0.01	10	<5	8	<0.01	2	<10	10
B3772		0.1	0.04	<5	17	<1	<2	0.58	0.2	1	140	1	0.20	0.02	4	<0.01	115	7	<0.01	2	<0.01	6	7	13	<0.01	2	<10	9
B3773		5.0	0.10	129	24	<1	<2	3.25	0.4	5	146	2305	0.88	0.04	5	0.05	393	10	<0.01	8	0.01	15	56	67	<0.01	5	<10	54
B3774		0.8	0.35	1308	103	1	<2	6.60	0.4	13	40	70	2.86	0.01	29	0.77	1069	4	<0.01	18	0.09	22	30	71	<0.01	51	<10	108
B3775		1.0	0.33	330	92	<1	<2	5.74	0.5	10	35	69	3.39	0.02	17	1.27	1144	4	<0.01	20	0.09	39	24	83	<0.01	66	<10	105
B3776		0.5	0.42	42	86	<1	<2	4.53	2.8	8	50	31	2.34	0.06	17	0.81	887	2	0.01	17	0.07	36	47	85	<0.01	44	<10	222
B3776*		0.5	0.41	40	83	<1	<2	4.41	2.8	8	50	29	2.27	0.06	17	0.79	865	2	0.01	16	0.07	35	42	84	<0.01	43	<10	222
B3777		0.5	0.64	96	111	<1	<2	4.08	1.4	10	67	22	2.82	0.02	15	0.70	880	2	0.04	20	0.06	16	12	93	0.02	57	<10	119
B3778		1.9	0.19	69	146	<1	<2	9.11	0.5	6	17	19	2.95	0.06	13	1.94	2760	3	<0.01	9	0.05	476	408	206	<0.01	24	<10	57
B3779		37.0	0.19	144	85	<1	<2	12.95	14.9	6	<1	78	6.39	0.04	14	3.33	5970	2	0.01	11	0.03	0.78%	185	261	<0.01	26	<10	1268
B3780		39.0	0.16	125	70	<1	17	11.77	4.0	4	<1	43	4.32	0.04	9	3.58	5113	2	0.01	6	0.03	1.70%	0.50%	226	<0.01	26	<10	384
B3781		8.0	0.16	95	115	<1	<2	13.00	25.4	5	<1	31	3.15	0.07	<1	4.28	4223	2	0.01	5	0.04	1384	191	643	<0.01	24	<10	2444
B3782		0.6	1.95	17	182	<1	<2	2.07	0.4	6	82	24	1.43	0.47	11	0.80	219	5	0.21	17	0.09	51	<5	111	0.09	47	<10	40
B3783		1.0	0.50	53	70	1	<2	3.59	0.8	8	37	48	2.48	0.05	28	0.60	630	6	<0.01	16	0.10	71	32	61	<0.01	51	<10	66
B3784		148.0	0.23	711	189	1	10	13.91	25.8	7	<1	19	4.46	0.09	7	3.19	4441	<1	0.01	15	0.04	3.04%	411	919	<0.01	24	<10	2082
B3785		9.0	0.11	23.4%	10	<1	608	0.41	1.5	239	<1	56	17.41	<0.01	<1	0.15	150	6	<0.01	43	0.02	779	761	24	<0.01	3	<10	108
B3785*		9.0	0.11	23.4%	10	<1	609	0.53	1.8	235	<1	57	17.27	<0.01	<1	0.17	189	7	<0.01	44	0.02	1001	771	32	<0.01	3	<10	112
B3786		117.0	0.20	910	95	4	<2	13.68	23.9	8	<1	133	3.97	0.04	2	4.87	2310	<1	0.01	9	0.03	1.36%	3362	188	<0.01	32	13	2441
B3787		2.8	0.12	19.7%	10	<1	106	0.28	0.2	39	<1	61	15.16	0.02	2	0.12	77	<1	<0.01	6	0.02	200	483	18	<0.01	12	<10	70
B3788		86.0	0.11	1779	60	<1	<2	14.95	72.4	5	<1	162	6.30	0.03	4	5.09	8325	<1	0.01	5	0.03	0.63%	492	340	<0.01	25	<10	1.15%
B3789		1.6	0.31	0.32%	94	1	<2	9.37	1.5	7	25	11	2.73	0.04	19	2.74	1891	2	0.01	14	0.07	135	104	289	<0.01	47	<10	126
B3790		4.0	0.03	33.0%	7	<1	2382	0.59	<0.1	27.1	<1	14	19.87	<0.01	<1	0.17	143	4	<0.01	14.1	0.02	54	749	35	<0.01	3	<10	30
B3791		0.3	0.78	0.33%	130	<1	32	0.94	0.2	11	42	124	2.53	0.26	17	0.24	120	6	<0.01	4.1	0.27	22	28	20	<0.01	52	<10	40
B3792		0.6	1.40	0.97%	53	<1	97	2.67	0.4	14	71	70	2.53	0.10	9	1.16	258	4	0.05	21	0.11	28	37	59	0.04	42	<10	64
B3793		0.7	0.40	4.20%	46	<1	19	0.97	0.2	30	79	15	4.47	0.04	4	0.27	112	7	0.03	14	0.05	30	99	39	<0.01	9	<10	34
B3794		0.1	1.17	937	38	<1	<2	4.82	0.2	10	47	2	1.89	<0.01	2	1.15	391	3	0.01	35	0.07	9	<5	45	0.02	16	<10	43
B3794*		0.1	1.15	739	38	<1	<2	4.55	0.3	10	47	3	1.83	<0.01	1	1.13	383	2	0.01	33	0.06	8	<5	44	0.02	15	<10	40

PLACER DOME RESEARCH CENTRE
Geochemical Analysis

Project/Venture: V275 | Geologist: D STRAIN | Date Received: AUG 6, 1991 | Page 2 of 2
Area: LORRIE | Lab Project No.: P1464 | Date Completed: AUG 22, 1991 | Attn: D STRAIN, J KOWALCHUK, E KIMURA, R HODGSON
Remarks:
Au – 10.0 g sample digested with Aqua Regia and determined by A.A. (D.L 5 PPB)
ICP – 0.5 g sample digested with 4 ml Aqua Regia at 100 Deg. C for 2 hours.
N.B. The major oxide elements and Ba, Be, Cr, La and W are rarely dissolved with this acid dissolution method.

SAMPLE No.	Au ppb	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	Sb ppm	Sr ppm	Ti %	V ppm	W ppm	Zn ppm
B3795		1.1	0.05	0.97%	13	<1	<2	0.05	0.4	28	159	389	1.21	0.01	14	0.02	46	11	<0.01	10	0.01	12	10	3	<0.01	3	12	25
B3796		0.2	0.04	1200	8	<1	<2	0.03	0.3	2	111	29	0.34	<0.01	6	0.01	30	5	<0.01	2	<0.01	16	9	2	<0.01	1	<10	14
B3797		0.2	0.10	0.23%	22	<1	<2	0.06	0.3	56	159	20	0.72	0.03	12	0.02	52	9	<0.01	17	0.02	18	8	9	<0.01	2	<10	22
B3798		0.1	0.07	739	42	<1	<2	0.04	0.6	5	159	18	0.44	0.03	6	0.01	40	10	<0.01	4	<0.01	27	<5	9	<0.01	1	<10	40
B3799		0.3	0.04	1962	17	<1	<2	0.01	0.3	15	185	23	0.51	0.02	8	<0.01	54	11	<0.01	6	0.01	11	7	7	<0.01	1	<10	17
B3800		0.2	0.07	2.42%	34	<1	<2	0.01	0.2	15	121	38	2.65	0.04	32	<0.01	47	8	<0.01	4	0.02	8	33	3	<0.01	1	<10	16
B3808		7.0	1.52	968	82	<1	23	2.82	1.1	5	37	2477	1.28	0.09	17	0.07	198	2	0.47	7	0.08	43	7	87	0.03	6	<10	237
B3809		37.0	0.71	1005	31	<1	440	2.45	1.0	8	29	1.07%	5.46	0.03	53	0.24	328	<1	0.11	6	0.08	6	19	32	0.04	12	<10	216
B3810		8.0	1.07	23	17	<1	<2	2.90	1.4	3	46	0.51%	2.39	0.03	19	0.32	287	4	0.23	40	0.08	6	13	52	0.11	15	<10	199
B3810*		8.0	1.02	20	16	<1	<2	2.76	1.3	3	45	0.51%	2.27	0.03	18	0.30	274	3	0.21	37	0.08	6	14	50	0.10	15	<10	190
B3811		0.2	0.81	16	63	<1	<2	1.73	0.3	8	153	109	2.07	0.08	6	0.60	392	8	0.02	13	0.03	23	<5	33	0.02	31	12	62
B3812		<0.1	0.04	61	45	2	<2	17.35	0.3	3	<1	16	2.95	<0.01	<1	7.06	1528	<1	0.01	<1	<0.01	<2	<5	268	<0.01	23	<10	12
B3813		1.1	1.32	124	4	<1	<2	1.08	<0.1	42	12	790	11.81	<0.01	4	0.04	171	<1	0.04	31	0.04	<2	<5	63	0.02	3	<10	29
B3814		2.0	3.69	79	88	1	<2	2.38	0.1	12	109	87	3.15	0.38	13	0.44	158	3	0.28	20	0.16	104	<5	224	0.09	55	<10	58
B3815		0.9	2.42	0.30%	23	<1	<2	1.81	<0.1	22	36	356	4.72	0.09	8	0.16	208	<1	0.18	23	0.07	23	8	123	0.04	34	<10	47
B3816		1.4	2.25	113	35	1	<2	1.24	<0.1	3	47	339	5.59	0.07	9	0.23	141	3	0.19	3	0.10	60	12	109	0.03	18	<10	48
B3817		0.3	1.50	0.63%	63	<1	34	0.83	0.5	10	63	12	2.39	0.45	31	1.05	175	<1	0.12	8	0.10	30	<5	70	0.07	51	<10	87
B3820		0.6	2.80	61	36	<1	<2	10.86	0.6	8	39	23	1.71	0.08	8	0.03	517	<1	0.26	25	0.08	36	<5	281	0.06	20	<10	77
B3821		1.0	2.08	44	35	<1	<2	1.74	<0.1	65	2	793	6.53	0.26	12	0.41	137	<1	0.25	13	0.24	10	10	144	0.13	48	<10	41
STD-P1		0.2	0.96	20	181	<1	<2	0.81	0.5	6	109	26	2.04	0.32	6	0.76	528	40	0.06	28	0.08	47	<5	76	0.09	31	<10	133
B4526		0.7	1.54	1772	5	<1	12	3.90	1.0	16	34	1017	1.17	<0.01	17	0.11	418	1	0.13	18	0.08	46	9	81	0.04	10	11	192
B4527		1.0	2.04	143	9	<1	<2	2.12	0.3	4	34	254	3.22	0.02	11	0.05	304	1	0.11	4	0.07	56	18	81	0.04	11	<10	88
B4528		0.1	0.20	239	23	<1	<2	0.43	0.3	5	192	66	0.78	0.01	29	0.05	318	12	0.01	9	0.11	14	<5	13	0.03	7	<10	40
B4529		7.0	1.07	236	7	<1	<2	3.24	1.1	5	40	0.37%	1.23	0.04	9	0.04	164	3	0.28	18	0.12	16	21	57	0.03	6	421	174
B4530		160.0	0.06	5.84%	7	<1	32	3.26	369.5	6	<1	2156	14.87	<0.01	<1	0.10	3221	3	<0.01	4	0.06	10.2%	704	31	<0.01	11	216	6.00%
B4776		1.8	2.27	95	24	<1	<2	1.92	0.8	9	31	2127	9.03	0.16	10	0.33	181	2	0.13	21	0.23	106	10	151	0.04	38	<10	97
B4777		0.5	1.08	79	63	<1	14	0.59	0.4	3	50	130	3.31	0.08	23	0.43	155	10	0.07	4	0.09	50	5	51	0.02	28	<10	58
B4778		0.4	1.19	54	30	<1	<2	0.60	0.2	2	45	102	1.94	0.05	25	0.25	96	3	0.13	2	0.09	39	<5	68	0.03	18	<10	38
B4779		1.3	1.24	72	16	<1	12	0.63	<0.1	8	6	757	8.38	0.06	10	0.45	120	<1	0.05	8	0.09	25	10	23	0.01	27	<10	50
B4779*		1.2	1.20	79	15	<1	9	0.61	<0.1	8	6	741	8.17	0.06	10	0.44	117	<1	0.04	8	0.09	21	13	22	0.01	27	<10	50
B4780		0.2	0.35	16	13	<1	5	0.20	0.4	3	116	22	1.08	0.02	9	0.21	306	8	<0.01	9	<0.01	25	<5	9	<0.01	6	<10	49
B4780*		0.3	0.36	14	13	<1	4	0.20	0.3	2	119	19	1.10	0.02	7	0.22	312	10	<0.01	6	<0.01	20	6	9	<0.01	5	<10	44

PLACER DOME RESEARCH CENTRE
Geochemical Analysis

Project/Venture: V275 | Geol.: D STRAIN | Date Received: AUG 6, 1991 | Page 1 of 3
Area: LORRIE | Lab Project No.: P1463 | Date Completed: AUG 22, 1991 | Attn: D STRAIN, J KOWALCHUK, E KIMURA, R HODGSON
Remarks:
Au – 10.0 g sample digested with Aqua Regia and determined by A.A. (D.L. 5 PPB)
ICP – 0.5 g sample digested with 4 ml Aqua Regia at 100 Deg. C for 2 hours.
N.B. The major oxide elements and Ba, Be, Cr, La and W are rarely dissolved with this acid dissolution method.

SAMPLE No.	Au ppb	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	Sb ppm	Sr ppm	Ti %	V ppm	W ppm	Zn ppm
B1501		0.3	2.48	72	110	1	8	1.01	0.7	17	29	86	2.84	0.07	25	0.51	508	<1	0.06	45	0.13	73	16	57	0.03	36	14	132
B1502		0.2	2.73	173	110	1	5	0.67	0.4	15	32	57	2.39	0.06	23	0.52	482	2	0.06	34	0.12	53	10	54	0.03	36	<10	96
B1503		0.4	2.40	216	122	1	<2	1.13	0.6	25	26	115	3.81	0.13	21	0.60	856	1	0.10	53	0.15	76	13	89	0.04	46	<10	143
B1512		0.2	1.53	1425	214	<1	2	0.95	0.2	30	29	150	3.34	0.14	21	0.53	471	<1	0.09	47	0.08	25	17	68	0.09	41	<10	189
B1513		0.2	1.91	1398	227	<1	8	0.43	0.1	23	36	169	3.73	0.18	19	0.77	496	<1	0.04	44	0.08	29	9	42	0.13	66	<10	120
B1514		0.3	2.24	1367	362	<1	5	0.30	<0.1	17	40	313	4.93	0.63	15	1.32	349	3	0.04	34	0.10	23	6	42	0.27	132	<10	92
B1515		0.2	2.01	757	215	<1	19	0.51	0.4	14	31	220	3.24	0.09	26	0.80	562	1	0.05	27	0.06	34	7	61	0.09	49	<10	93
B1516		0.1	1.86	358	245	<1	<2	0.19	<0.1	8	28	281	6.70	0.63	28	0.99	238	<1	0.12	17	0.16	6	<5	114	0.27	99	<10	52
B1517		<0.1	2.16	466	128	<1	13	0.27	<0.1	14	27	155	3.96	0.06	14	0.42	475	4	0.01	31	0.16	25	<5	25	0.04	47	<10	85
B1517*		<0.1	2.11	460	126	<1	14	0.26	<0.1	14	26	151	3.88	0.06	14	0.41	464	2	0.01	31	0.16	22	7	24	0.04	45	<10	78
B1518		0.1	0.85	47	175	<1	<2	0.10	<0.1	1	43	41	2.87	0.62	15	0.98	85	3	0.02	1	0.09	2	<5	12	0.20	89	14	32
B1519		<0.1	1.81	115	168	<1	<2	0.19	<0.1	16	28	155	4.43	0.22	21	0.73	440	4	0.01	44	0.09	12	<5	15	0.10	77	<10	77
B1520		0.4	1.96	0.32%	72	<1	12	0.13	<0.1	15	19	266	5.39	0.06	17	0.43	361	<1	0.02	24	0.10	17	15	17	0.05	41	<10	53
B1521		0.5	2.28	403	122	1	11	0.27	0.1	17	20	360	5.06	0.05	18	0.35	729	1	0.03	39	0.12	87	25	67	0.04	39	16	103
B1522		0.5	2.31	267	585	<1	6	0.19	<0.1	11	20	322	10.97	0.62	10	1.30	206	<1	0.03	23	0.19	20	29	66	0.20	125	<10	59
B1523		4.7	1.48	0.33%	55	<1	9	0.17	<0.1	4	<1	770	15.72	0.07	4	0.25	161	6	0.04	11	0.17	105	89	30	0.10	38	<10	58
B1524		1.9	2.28	0.27%	44	<1	9	0.29	<0.1	33	<1	1082	11.95	0.03	18	0.12	1285	<1	0.06	29	0.13	128	70	43	0.03	18	<10	82
B1525		0.4	2.07	399	130	1	5	0.34	0.1	18	32	264	3.58	0.07	30	0.45	423	3	0.03	45	0.16	97	25	42	0.04	46	13	106
B1876		0.5	4.11	50	242	2	<2	1.88	0.3	14	44	49	3.93	0.48	17	1.95	704	<1	0.26	30	0.12	136	40	153	0.11	67	<10	168
B1876*		0.5	4.19	56	245	2	<2	1.92	0.3	15	44	49	3.97	0.49	18	1.99	718	<1	0.26	30	0.13	136	57	156	0.11	69	<10	173
B1877		0.3	3.71	68	159	1	<2	1.95	0.6	12	38	53	3.59	0.45	11	2.07	620	<1	0.24	27	0.10	43	36	131	0.10	80	14	189
B1878		0.8	3.87	160	186	1	<2	1.72	1.8	19	36	90	4.73	0.61	15	2.23	892	<1	0.19	41	0.11	129	59	159	0.10	82	<10	308
B1879		1.9	3.58	502	190	2	3	1.56	2.7	20	41	126	5.10	0.41	16	1.59	733	<1	0.20	38	0.11	446	114	158	0.10	59	<10	492
B1880		1.0	1.91	0.54%	64	<1	5	1.22	0.7	64	<1	357	8.53	0.08	11	0.59	661	<1	0.11	98	0.10	90	52	94	0.03	30	78	139
B1881		1.0	2.44	0.51%	97	<1	6	1.19	0.8	63	6	296	7.79	0.10	16	0.90	1093	<1	0.12	96	0.13	118	43	87	0.05	44	11	173
B1882		1.2	2.17	0.49%	122	1	14	1.36	0.2	47	19	293	7.63	0.15	15	0.86	710	<1	0.14	73	0.11	81	49	145	0.05	42	40	98
B1883		2.2	2.67	0.52%	138	1	12	1.81	1.5	58	16	331	8.94	0.13	22	1.16	1118	<1	0.11	97	0.13	337	102	123	0.06	60	<10	316
B1884		1.3	2.23	0.36%	190	1	14	1.06	1.3	39	22	238	8.25	0.37	17	0.93	621	<1	0.11	70	0.13	231	131	151	0.06	51	<10	252
B1885		0.8	2.00	754	103	1	6	1.34	1.2	36	6	136	6.71	0.10	20	0.60	893	<1	0.13	54	0.11	113	40	104	0.04	39	<10	270
B1885*		0.7	1.96	749	99	1	3	1.30	1.2	36	6	129	6.58	0.10	19	0.58	865	<1	0.12	53	0.10	107	37	103	0.03	38	<10	262
B1886		0.5	1.58	441	123	1	<2	1.34	0.3	28	9	185	6.55	0.13	22	0.60	672	3	0.05	32	0.12	62	17	77	0.03	39	21	176
B1887		1.1	2.24	1569	140	1	<2	1.15	0.5	26	29	180	6.56	0.25	12	0.99	530	<1	0.11	51	0.11	213	76	92	0.05	54	<10	228
B1888		0.6	1.65	268	84	<1	<2	2.83	1.4	12	27	77	2.94	0.07	5	0.63	500	1	0.10	26	0.11	92	25	114	0.04	41	<10	203
B1889		10.0	2.20	1874	98	1	8	2.38	12.5	35	7	160	6.60	0.05	18	0.57	1950	<1	0.11	49	0.14	2138	240	121	0.02	42	<10	1633
B1890		4.5	2.93	215	74	1	<2	2.03	3.0	29	22	114	5.72	0.14	10	1.20	1057	<1	0.19	56	0.09	901	83	180	0.06	78	<10	579
B1891		4.6	2.73	224	96	1	4	1.42	4.3	29	17	167	6.07	0.14	13	1.19	1159	<1	0.13	56	0.10	960	47	132	0.07	70	<10	734
B4366		<0.1	1.35	11	195	<1	<2	0.14	<0.1	8	26	29	3.98	0.04	11	0.31	553	4	<0.01	21	0.13	30	<5	17	<0.01	41	<10	77
B4367		0.1	1.63	20	202	<1	3	0.15	0.1	14	24	43	5.96	0.06	13	0.28	1876	1	<0.01	24	0.25	36	<5	22	<0.01	64	<10	105
B4368		<0.1	1.10	15	325	<1	<2	0.64	<0.1	6	20	15	4.33	0.06	15	0.26	864	<1	<0.01	15	0.23	17	<5	30	<0.01	26	<10	81
STD-P1		0.3	1.05	24	191	<1	<2	0.89	0.4	5	116	25	2.15	0.35	6	0.82	574	46	0.06	29	0.08	48	<5	82	0.11	34	<10	142
B4369		0.4	0.79	22	225	1	<2	0.52	0.3	8	24	40	3.73	0.08	30	0.23	565	1	<0.01	23	0.14	43	<5	31	<0.01	26	16	160
B4372		0.8	1.85	437	226	1	<2	0.54	<0.1	12	24	198	7.18	0.69	24	1.14	493	<1	0.01	28	0.08	110	167	41	0.09	47	<10	77
B4373		0.2	1.72	18	236	1	<2	0.22	<0.1	12	25	29	4.33	0.05	24	0.53	1028	2	<0.01	25	0.17	64	<5	21	0.01	33	<10	92
B4374		0.2	1.34	21	304	1	<2	1.56	<0.1	8	27	27	3.20	0.05	29	0.65	747	3	0.01	20	0.14	31	<5	74	0.01	30	<10	83
B4375		0.3	1.51	13	278	<1	2	0.82	<0.1	9	28	25	3.27	0.05	27	0.66	736	1	<0.01	21	0.13	37	<5	47	0.02	31	<10	88
B4434		0.1	1.23	<5	385	<1	2	0.52	<0.1	5	28	11	2.49	0.06	15	0.21	208	<1	<0.01	12	0.17	25	<5	24	<0.01	23	<10	85
B4435		0.1	1.38	14	494	<1	<2	1.22	<0.1	5	28	14	2.54	0.06	14	0.24	355	3	<0.01	12	0.28	15	<5	52	<0.01	25	<10	78
B4436		0.1	1.28	20	493	<1	4	0.50	<0.1	10	19	34	4.48	0.08	25	0.38	695	<1	<0.01	26	0.20	20	10	46	<0.01	37	<10	91
B4437		0.4	1.16	19	178	<1	4	0.18	0.2	8	27	30	3.94	0.06	10	0.25	817	1	<0.01	18	0.20	26	<5	18	<0.01	45	<10	103
B4437*		0.4	1.15	19	176	<1	5	0.18	<0.1	8	27	29	3.89	0.06	11	0.25	812	3	<0.01	17	0.19	27	<5	18	<0.01	45	<10	101

PLACER DOME RESEARCH CENTRE
Geochemical Analysis

Project/Venture: V275 | Geol.: D STRAIN | Date Received: AUG 6, 1991 | Page 2 of 3
Area: LORRIE | Lab Project No.: P1463 | Date Completed: AUG 22, 1991 | Attn: D STRAIN, J KOWALCHUK, E KIMURA, R HODGSON
Remarks:
Au – 10.0 g sample digested with Aqua Regia and determined by A.A. (D.L. 5 PPB)
ICP – 0.5 g sample digested with 4 ml Aqua Regia at 100 Deg. C for 2 hours.
N.B. The major oxide elements and Ba, Be, Cr, La and W are rarely dissolved with this acid dissolution method.

SAMPLE No.	Au ppb	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	Sb ppm	Sr ppm	Ti %	V ppm	W ppm	Zn ppm
B4438		0.3	0.73	12	263	<1	<2	0.41	0.4	11	28	26	2.58	0.06	9	0.20	940	2	0.01	10	0.18	20	<5	39	<0.01	56	18	94
B4439		0.3	1.58	31	197	1	<2	0.45	0.2	16	25	39	4.17	0.04	24	0.60	970	2	<0.01	29	0.13	51	<5	37	0.01	40	<10	126
B4440		0.4	1.59	40	240	<1	<2	0.91	0.2	10	27	31	3.81	0.05	29	0.58	677	<1	0.01	24	0.13	64	<5	59	0.02	39	<10	126
B4441		0.2	1.99	28	329	1	7	0.69	0.6	10	30	23	3.85	0.04	23	0.66	1089	3	<0.01	18	0.18	197	<5	37	0.02	48	<10	296
B4442		1.4	1.47	90	224	1	4	1.37	2.0	9	31	27	2.88	0.06	25	0.58	739	4	0.01	16	0.16	325	44	102	0.02	35	<10	288
B4443		0.2	0.70	28	252	<1	<2	3.13	1.3	5	26	15	1.17	0.05	13	0.31	411	4	0.01	8	0.14	35	<5	112	<0.01	14	<10	150
B4444		0.6	1.85	25	219	1	5	0.66	2.1	16	27	32	3.98	0.07	21	0.82	1040	3	<0.01	24	0.20	362	<5	37	0.01	37	<10	414
B4445		0.2	1.43	43	305	<1	<2	1.80	0.2	11	24	22	2.92	0.08	24	0.73	786	3	0.01	17	0.16	47	<5	68	0.01	21	<10	116
B4446		16.0	2.37	140	203	2	5	1.04	7.3	13	31	38	4.06	0.08	29	1.02	895	2	0.02	29	0.15	1624	<5	64	0.02	45	<10	673
B4446*		15.0	2.34	129	201	1	3	1.03	7.3	13	31	37	4.01	0.07	29	1.01	885	2	0.02	28	0.15	1609	<5	64	0.02	44	<10	665
B4447		1.4	3.24	43	167	2	2	1.01	3.3	13	42	27	3.15	0.08	19	1.21	931	<1	0.03	25	0.13	299	14	59	0.04	44	16	500
B4448		3.4	1.82	210	175	2	5	0.30	1.8	16	31	54	3.92	0.05	45	0.66	1217	<1	<0.01	21	0.10	519	161	37	0.01	44	12	343
B4449		0.1	1.52	24	272	1	3	1.35	0.2	8	27	19	2.88	0.08	23	0.84	723	<1	<0.01	16	0.17	41	13	62	0.02	29	<10	99
B4450		0.1	1.34	13	402	<1	<2	1.43	0.2	7	29	16	2.15	0.05	13	0.47	796	<1	<0.01	12	0.18	28	<5	62	0.01	25	<10	94
B4451		0.1	3.66	32	232	1	<2	1.30	0.3	16	25	62	4.56	0.55	17	2.88	756	<1	0.13	33	0.10	31	15	98	0.12	80	<10	173
B4452		0.3	3.54	36	239	1	<2	1.21	0.3	20	23	87	5.10	0.59	20	2.72	998	<1	0.13	39	0.12	39	16	89	0.10	81	<10	199
B4453		0.4	2.62	39	270	1	<2	0.76	0.2	28	29	103	5.94	0.41	33	2.11	1404	<1	0.05	51	0.17	41	26	67	0.08	74	<10	167
B4454		0.2	2.98	26	275	1	3	1.33	<0.1	12	30	54	4.14	0.29	22	2.17	456	<1	0.09	28	0.11	32	19	80	0.07	58	<10	127
B4455		0.2	2.44	52	258	1	5	0.81	0.1	13	32	37	3.89	0.32	23	1.65	561	<1	0.07	27	0.11	31	19	57	0.06	47	<10	105
STD-P1		0.3	1.02	21	178	<1	<2	0.87	0.3	4	110	25	1.97	0.32	6	0.76	533	47	0.06	26	0.07	47	15	80	0.11	32	<10	143
B4456		0.2	3.70	132	243	2	<2	1.74	0.1	15	35	48	4.27	0.32	19	2.13	792	3	0.15	30	0.10	38	19	121	0.10	61	11	142
B4457		0.1	4.31	28	314	1	<2	1.97	<0.1	13	42	39	3.84	0.22	15	2.03	938	2	0.19	28	0.10	28	<5	137	0.12	65	<10	135
B4476		0.2	1.48	11	276	<1	6	0.42	0.2	5	32	22	2.56	0.07	15	0.59	256	2	<0.01	18	0.15	23	11	22	0.01	33	<10	104
B4477		10.0	2.27	83	302	2	5	1.08	28.7	24	26	64	5.13	0.07	54	1.12	2585	1	0.01	35	0.19	2280	291	47	0.03	48	<10	2317
B4478		10.0	1.96	61	144	2	<2	0.54	17.8	16	22	72	4.92	0.05	30	1.09	1228	2	0.02	32	0.13	2551	39	33	0.04	43	<10	0.38%
B4479		0.3	1.31	15	227	<1	4	0.91	0.7	9	29	23	2.94	0.06	25	0.76	483	2	<0.01	21	0.09	58	15	47	0.02	30	<10	153
B4480		0.1	1.76	20	331	1	4	1.03	<0.1	6	31	15	2.56	0.06	21	0.65	362	2	<0.01	14	0.19	37	<5	48	0.01	29	<10	90
B4481		0.4	1.40	28	294	1	<2	0.95	0.3	7	27	21	3.21	0.09	27	0.82	255	<1	<0.01	20	0.14	56	12	46	<0.01	25	<10	129
B4482		0.4	1.95	30	235	1	<2	0.97	0.1	8	29	29	3.58	0.10	30	1.02	411	2	0.01	23	0.15	59	7	54	0.02	35	<10	125
B4482*		0.4	1.91	33	226	1	<2	0.94	0.2	8	30	28	3.47	0.09	28	1.00	399	<1	0.01	22	0.15	57	14	52	0.02	35	<10	121
B4483		0.4	1.73	38	324	1	3	1.43	0.2	10	29	29	3.32	0.06	22	0.66	692	3	<0.01	19	0.20	46	7	72	0.01	36	16	106
B4484		0.3	1.76	55	209	1	5	0.84	0.3	9	31	28	3.08	0.07	16	1.05	387	3	<0.01	19	0.15	57	13	38	0.01	39	<10	115
B4485		0.2	1.35	16	158	<1	<2	0.81	0.1	11	24	18	3.84	0.10	28	0.83	650	4	<0.01	22	0.11	19	<5	28	0.02	30	<10	89
B4486		7.0	1.74	88	176	1	6	0.48	2.0	12	34	28	3.33	0.06	12	0.68	780	4	<0.01	18	0.12	635	102	27	0.03	48	<10	407
B4487		0.1	1.73	17	149	1	3	0.93	<0.1	6	26	18	3.59	0.06	31	1.04	389	3	<0.01	20	0.13	25	<5	42	0.02	29	<10	90
B4488		0.2	1.42	17	234	1	5	1.32	0.2	6	26	24	2.85	0.06	23	0.79	285	4	<0.01	17	0.15	19	<5	56	0.01	25	<10	84
B4490		0.4	2.42	22	157	1	<2	0.90	0.4	11	39	22	2.95	0.07	19	1.11	828	1	0.03	24	0.09	45	15	73	0.04	44	<10	115
B4491		1.2	2.43	88	181	2	<2	0.50	0.9	12	39	33	4.09	0.06	32	1.02	676	1	<0.01	23	0.13	182	36	43	0.02	53	<10	394
B4492		0.3	2.08	25	161	1	<2	0.72	0.3	10	36	27	2.87	0.08	17	0.99	412	2	0.02	24	0.08	35	12	40	0.05	48	<10	99
B4492*		0.3	2.12	26	164	1	<2	0.74	0.3	10	36	27	2.91	0.09	17	1.00	421	<1	0.02	24	0.08	33	<5	42	0.05	48	<10	90
B4493		0.2	2.63	37	176	1	<2	0.60	0.3	11	38	44	2.94	0.09	17	0.96	492	<1	0.03	27	0.13	34	6	87	0.05	51	15	120
B4494		0.1	2.46	29	173	<1	<2	1.21	0.3	10	38	25	2.55	0.08	8	0.72	826	3	0.02	21	0.15	31	21	50	0.03	43	<10	120
B4495		0.1	3.04	51	190	1	<2	0.88	0.1	11	48	36	2.98	0.12	12	1.28	381	2	0.06	29	0.10	23	12	48	0.07	64	<10	104
B4496		17.0	2.41	0.28%	129	1	20	1.10	14.4	14	23	303	4.84	0.07	14	0.78	1522	2	0.05	29	0.14	2374	505	78	0.03	44	<10	0.30%
B4497		0.2	28.77	1037	1614	11	15	14.57	1.2	94	196	477	28.29	1.65	93	10.61	4486	4	0.98	207	0.81	354	155	950	0.98	475	48	994
B4498		1.1	1.99	1133	142	<1	15	0.18	1.3	12	33	424	3.66	0.07	7	0.53	436	2	<0.01	25	0.07	94	8	18	0.04	52	22	180
B4499		1.8	1.73	0.42%	278	1	44	0.32	3.0	49	6	1191	8.95	0.14	14	0.53	2102	<1	0.03	47	0.12	184	28	56	0.04	54	168	408
B4500		0.2	1.89	69	103	<1	3	0.08	<0.1	7	34	41	3.34	0.06	7	0.38	327	1	<0.01	17	0.04	26	10	9	0.06	66	<10	73
B4501		0.2	2.04	136	156	1	7	0.25	0.1	25	27	182	4.44	0.10	13	0.61	763	1	0.02	45	0.06	24	17	40	0.08	51	<10	76
STD-P1		0.2	1.02	22	175	<1	<2	0.87	0.4	5	115	24	1.98	0.33	2	0.77	542	45	0.06	28	0.08	49	7	77	0.11	34	<10	137

PLACER DOME RESEARCH CENTRE
Geochemical Analysis

Project/Venture: V275 | Geol.: D STRAIN | Date Received: AUG 6, 1991 | Page 3 of 3
Area: LORRIE | Lab Project No.: P1463 | Date Completed: AUG 22, 1991 | Attn: D STRAIN
Remarks: | J KOWALCHUK
Au – 10.0 g sample digested with Aqua Regia and determined by A.A. (D.L. 5 PPB) | E KIMURA
ICP – 0.5 g sample digested with 4 ml Aqua Regia at 100 Deg. C for 2 hours. | R HODGSON
N.B. The major oxide elements and Ba, Be, Cr, La and W are rarely dissloved with this acid dissolution method.

SAMPLE No.	Au ppb	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	Sb ppm	Sr ppm	Ti %	V ppm	W ppm	Zn ppm
B4502		0.7	1.88	624	110	2	23	0.29	<0.1	18	16	351	5.74	0.05	20	0.33	615	2	0.03	44	0.10	47	16	108	0.05	42	23	68
B4503		1.3	1.89	924	96	2	143	0.22	<0.1	19	4	681	7.88	0.04	12	0.33	559	1	0.01	75	0.07	48	25	28	0.04	35	<10	81
B4504		0.4	1.94	1107	172	1	18	0.23	<0.1	21	23	225	5.04	0.14	11	0.87	745	2	0.02	33	0.08	33	21	30	0.06	55	39	86
B4505		2.0	2.28	1001	68	1	8	0.27	<0.1	18	4	854	7.20	0.05	22	0.25	498	6	0.03	56	0.12	24	13	29	0.04	29	<10	77
B4506		1.7	1.85	1952	52	<1	13	0.22	<0.1	25	<1	981	9.07	0.02	44	0.17	890	<1	0.04	20	0.13	34	45	16	0.03	23	<10	76
B4507		0.8	1.94	1037	129	<1	7	0.54	0.3	28	9	461	5.76	0.03	35	0.24	878	2	0.04	34	0.18	105	52	35	0.03	24	<10	133
B4508		0.7	1.84	580	79	<1	<2	0.79	<0.1	27	<1	591	8.29	0.02	54	0.31	1300	<1	0.03	72	0.12	48	42	43	0.03	25	<10	115
B4509		0.7	2.65	1042	189	<1	217	0.54	0.1	31	10	434	5.99	0.04	47	0.33	1197	3	0.02	59	0.17	55	30	113	0.03	29	<10	134
B4510		0.3	2.48	444	265	<1	192	0.44	<0.1	20	22	86	4.55	0.05	13	0.41	1534	<1	0.02	31	0.11	37	21	165	0.03	37	<10	123
B4510*		0.2	2.44	443	260	<1	187	0.44	<0.1	20	21	84	4.63	0.05	14	0.41	1523	1	0.02	31	0.11	38	24	164	0.03	37	<10	122
B4511		0.2	3.04	282	81	2	<2	0.05	<0.1	8	<1	190	15.41	0.44	9	0.72	241	8	0.11	19	0.31	18	15	87	0.08	67	23	80
B4512		0.4	2.46	885	180	<1	4	0.12	<0.1	5	<1	213	12.71	0.40	19	0.68	222	7	0.10	15	0.26	31	23	77	0.08	61	<10	73
B4513		0.8	2.93	433	104	1	<2	0.08	<0.1	4	<1	313	14.09	0.52	13	0.70	203	12	0.15	8	0.31	17	19	98	0.09	64	<10	59
B4514		1.1	2.82	0.28%	80	1	10	0.16	<0.1	20	<1	622	12.90	0.29	20	0.51	396	2	0.13	35	0.24	49	62	100	0.08	51	<10	78
B4515		0.8	2.72	0.48%	168	1	25	0.11	<0.1	16	<1	660	10.65	0.16	38	0.32	288	3	0.16	27	0.23	48	33	145	0.09	55	<10	59
B4516		0.2	1.89	1081	143	<1	58	0.20	<0.1	17	18	340	5.83	0.05	21	0.42	538	2	0.03	41	0.09	40	21	43	0.05	49	<10	97
B4517		1.6	0.93	650	85	<1	11	0.05	<0.1	4	<1	421	18.57	0.09	11	0.17	116	<1	0.04	9	0.16	20	29	46	0.12	90	<10	50
B4518		0.3	1.97	942	144	1	8	0.19	0.2	34	22	537	5.60	0.06	22	0.45	669	<1	0.03	67	0.10	45	17	28	0.06	54	11	125
B4576		8.0	1.39	1654	221	1	97	0.58	1.0	5	10	2980	8.90	0.07	74	0.18	694	2	<0.01	15	0.11	505	63	28	<0.01	48	<10	482
B4576*		8.0	1.39	1678	224	1	108	0.60	1.1	5	9	3061	9.24	0.07	76	0.18	699	2	<0.01	15	0.11	520	65	28	<0.01	48	<10	496
B4577		0.9	1.80	213	106	<1	2	0.16	<0.1	7	28	167	3.73	0.05	7	0.56	299	2	0.01	23	0.07	13	<5	20	0.09	63	<10	90
B4578		1.2	2.79	54	116	<1	3	0.23	0.2	12	18	648	3.91	0.03	8	0.33	449	<1	0.01	111	0.10	55	10	20	0.04	32	94	102
B4579		0.2	1.91	43	532	<1	8	0.17	<0.1	10	15	37	5.11	0.12	10	0.58	392	<1	0.01	14	0.06	12	12	14	0.17	97	<10	84
B4580		<0.1	2.26	204	102	<1	11	0.10	<0.1	15	28	85	3.42	0.07	10	0.45	219	<1	<0.01	37	0.05	17	<5	11	0.07	47	<10	71
B4581		0.6	2.06	1848	177	2	22	0.41	<0.1	39	4	660	8.39	0.18	20	0.59	550	<1	0.03	83	0.11	43	36	85	0.07	53	59	107
B4582		1.3	2.41	2607	209	2	23	0.87	0.4	66	12	1229	7.13	0.13	23	0.86	763	<1	0.05	103	0.16	72	38	65	0.06	52	<10	124
B4583		0.9	2.11	1498	282	1	11	0.37	0.2	49	5	831	8.47	0.24	25	0.71	563	<1	0.05	73	0.18	21	27	68	0.08	64	145	97
B4584		1.2	2.21	1170	138	<1	13	0.27	<0.1	15	<1	735	12.17	0.15	7	0.46	415	<1	0.04	32	0.17	18	15	41	0.10	47	74	67
B4585		0.4	1.80	1251	164	1	34	0.44	<0.1	21	4	750	8.42	0.14	17	0.52	496	2	0.04	54	0.13	30	33	68	0.05	53	23	101
STD-P1		0.2	1.08	22	188	<1	<2	0.87	0.4	8	116	26	2.28	0.36	6	0.86	541	44	0.07	32	0.08	48	14	86	0.10	35	<10	148
B4586		0.3	2.84	827	239	1	40	0.23	0.1	18	31	189	4.73	0.13	15	0.76	584	1	0.02	34	0.11	20	14	59	0.08	65	<10	84
B4587		0.5	2.83	1858	96	1	41	0.20	<0.1	18	22	716	6.32	0.05	15	0.60	356	<1	0.02	47	0.13	32	24	35	0.06	55	<10	96
B4588		0.3	2.70	1664	214	2	70	0.56	0.5	87	21	465	6.25	0.10	16	0.59	1506	<1	0.08	50	0.23	59	31	65	0.04	58	<10	111
B4588*		0.3	2.67	1648	211	2	76	0.55	0.5	87	21	460	6.25	0.10	14	0.58	1503	3	0.08	50	0.22	59	21	62	0.04	58	<10	110

PLACER DOME RESEARCH CENTRE
Geochemical Analysis

Project/Venture: V275 | Geologist: D STRAIN | Date Received: AUG 16, 1991 | Page 1 of 1
Area: LORRIE | Lab Project No.: P1482 | Date Completed: AUG 16, 1991 | Attn: D STRAIN, J KOWALCHUK, E KIMURA, R HODGSON
Remarks:
Au – 10.0 g sample digested with Aqua Regia and determined by A.A. (D.L. 5 PPB)
ICP – 0.5 g sample digested with 4 ml Aqua Regia at 100 Deg. C for 2 hours.
N.B. The major oxide elements and Ba, Be, Cr, La and W are rarely dissolved with this acid dissolution method.

SAMPLE No.	Au ppb	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	Sb ppm	Sr ppm	Ti %	V ppm	W ppm	Zn ppm
B4125		1.3	2.21	487	199	2	8	0.62	0.7	20	30	383	4.21	0.28	58	0.82	690	3	0.02	24	0.11	48	6	109	0.08	56	<10	143
B4125*		1.3	2.36	483	207	2	7	0.61	0.7	19	30	379	4.17	0.29	57	0.85	695	4	0.01	23	0.12	48	6	112	0.08	59	<10	141

PLACER DOME RESEARCH CENTRE
Geochemical Analysis

Project/Venture: V275
Area: LORRIE
Remarks:
Au – 10.0 g sample digested with Aqua Regia and determined by A.A. (D.L 5 PPB)
ICP – 0.5 g sample digested with 4 ml Aqua Regia at 100 Deg. C for 2 hours.
N.B. The major oxide elements and Ba, Be, Cr, La and W are rarely dissolved with this acid dissolution method.

Geologist: D STRAIN
Lab Project No.: P1481

Date Received: AUG 16, 1991
Date Completed: AUG 29, 1991

Attn: D STRAIN
J KOWALCHUK
E KIMURA
R HODGSON

SAMPLE No.	Au ppb	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	Sb ppm	Sr ppm	Ti %	V ppm	W ppm	Zn ppm
B3671		0.1	2.25	32	115	<1	<2	0.80	0.2	11	56	47	3.49	1.25	7	1.30	181	2	0.12	20	0.09	18	<5	58	0.13	64	10	33
B3672		0.1	0.37	184	34	<1	<2	0.78	0.3	<1	80	61	3.03	0.15	1	0.23	368	3	0.02	4	0.07	15	<5	13	0.01	4	<10	39
B3677		0.3	0.08	0.48%	16	<1	7	0.04	0.3	7	164	88	1.29	0.05	4	<0.01	98	10	<0.01	8	0.01	14	<5	2	<0.01	1	<10	17
B3678		0.2	0.07	766	13	<1	<2	0.01	0.4	1	112	84	0.53	0.04	4	<0.01	32	8	<0.01	2	<0.01	14	<5	2	<0.01	<1	<10	11
B3679		0.7	0.16	2.56%	34	<1	6	0.03	0.2	25	52	184	2.86	0.02	10	0.01	40	2	<0.01	16	0.08	56	45	17	<0.01	2	<10	17
B3680		0.5	1.00	338	41	<1	<2	0.82	0.3	7	64	24	2.72	0.08	20	0.28	202	4	0.12	7	0.08	53	<5	106	0.06	21	<10	49
B3681		0.1	0.88	48	27	<1	27	2.34	0.1	2	22	9	3.76	0.20	3	0.08	740	<1	0.07	2	0.02	6	<5	9	0.03	10	<10	40
B3682		<0.1	1.35	41	152	<1	<2	0.11	0.2	12	32	25	2.76	0.41	16	0.76	102	<1	0.02	24	0.04	13	<5	9	0.01	21	<10	24
B3689		0.3	1.60	82	23	<1	<2	1.30	0.8	12	107	48	1.96	0.04	6	0.04	185	7	0.08	22	0.07	112	<5	111	0.05	9	<10	65
STD-P1		0.2	0.99	19	186	<1	<2	0.85	0.8	5	104	23	2.09	0.35	5	0.79	538	49	0.06	28	0.08	49	5	77	0.10	32	<10	139
B3690		46.0	0.21	0.58%	15	<1	46	0.07	1.2	2	<1	560	15.09	0.05	4	0.03	369	<1	<0.01	7	0.04	0.62%	70	7	<0.01	15	12	579
B3691		0.2	0.14	209	61	<1	<2	0.02	0.4	16	158	18	0.91	0.04	7	<0.01	96	10	<0.01	13	<0.01	349	<5	3	<0.01	1	<10	59
B3692		0.2	2.23	25	254	2	<2	0.87	0.1	19	164	127	6.08	0.97	42	1.95	397	5	0.03	34	0.20	30	<5	50	0.25	81	<10	90
B3693		5.0	0.59	483	27	<1	10	<0.01	0.3	2	127	24	0.36	0.06	8	0.01	30	8	<0.01	3	<0.01	433	<5	4	<0.01	2	<10	19
B3694		1.3	0.53	0.76%	69	<1	<2	0.04	<0.1	15	18	163	5.05	0.16	38	0.02	151	<1	<0.01	16	0.05	33	73	45	<0.01	8	<10	56
B3696		1.2	0.30	135	19	<1	<2	1.37	0.5	3	24	33	1.84	0.04	18	0.22	616	1	0.02	10	0.10	127	7	11	0.01	3	11	110
B3697		1.8	1.86	0.98%	28	<1	6	1.58	<0.1	72	32	890	7.42	0.09	3	0.23	328	4	0.06	28	0.11	69	22	88	0.02	8	18	58
B3698		3.3	0.20	2.54%	9	<1	70	2.39	0.2	31	<1	1505	11.38	0.02	4	0.05	424	7	0.01	9	0.08	29	48	12	<0.01	4	5208	58
B3700		2.5	0.32	208	29	<1	<2	0.83	0.3	1	253	57	1.45	0.09	11	0.03	62	18	<0.01	4	0.30	126	5	18	<0.01	3	52	34
B3700*		2.6	0.35	200	31	<1	3	0.88	0.3	1	266	60	1.55	0.10	10	0.03	66	17	<0.01	4	0.33	138	6	20	<0.01	4	19	36
B3822		128.0	0.23	2.84%	6	<1	45	0.32	466.9	41	<1	1229	20.80	<0.01	10	0.15	1341	<1	<0.01	33	0.13	6.70%	316	11	<0.01	39	210	7.60%
B3823		13.0	1.50	219	270	<1	3	0.44	5.2	11	102	2857	6.14	1.20	44	1.88	524	<1	0.01	29	0.17	570	<5	61	0.19	67	<10	697
B4078		0.4	2.44	56	60	1	<2	1.01	0.4	10	71	101	4.95	0.39	31	1.34	316	2	0.18	10	0.10	62	9	101	0.11	64	<10	134
B4079		9.0	1.54	706	107	<1	7	0.11	<0.1	8	<1	490	11.18	0.48	13	0.89	286	1	0.03	17	0.03	63	16	13	0.04	65	<10	65
B4080		0.4	0.09	302	16	<1	4	0.02	0.8	1	114	51	0.58	0.05	15	0.01	53	7	<0.01	3	<0.01	52	<5	1	<0.01	2	<10	34
B4081		2.4	0.05	841	8	<1	7	0.03	0.5	9	81	123	0.87	0.02	6	0.02	25	6	<0.01	4	0.01	27	<5	1	<0.01	2	<10	27
B4082		0.1	0.66	301	12	<1	4	1.58	0.5	3	48	59	1.58	0.04	5	0.07	400	<1	0.03	3	0.08	19	<5	41	<0.01	4	<10	47
B4083		0.1	0.06	0.33%	31	<1	2	0.03	0.4	34	97	7	0.52	0.05	6	<0.01	38	4	<0.01	9	<0.01	14	<5	1	<0.01	1	<10	11
B4084		0.1	0.31	41	33	<1	<2	0.59	0.5	3	137	14	0.40	0.06	17	0.05	122	9	<0.01	6	0.12	20	<5	11	<0.01	3	<10	44
B4084*		0.1	0.31	49	31	<1	<2	0.59	0.5	3	138	14	0.43	0.06	17	0.05	122	9	<0.01	6	0.12	21	<5	11	<0.01	3	<10	45
B4085		87.0	0.27	0.60%	17	<1	29	2.02	124.4	3	<1	952	13.50	0.03	9	0.20	6173	3	<0.01	8	0.05	3.95%	158	21	<0.01	28	22	1.85%
B4086		153.0	0.15	0.74%	12	<1	42	0.89	331.3	2	<1	0.80%	16.30	0.02	7	0.16	4568	5	<0.01	17	0.06	5.70%	192	10	<0.01	12	106	5.20%
B4087		69.0	0.30	6.69%	15	<1	22	0.87	81.3	151	1	448	12.43	0.04	16	0.12	1309	6	<0.01	57	0.09	2.70%	361	10	<0.01	33	41	1.15%
B4088		12.0	0.12	375	5	<1	35	0.49	4.8	52	<1	1376	24.72	<0.01	2	0.29	900	<1	<0.01	124	0.03	443	39	18	<0.01	3	<10	696
B4089		3.6	0.15	74	26	<1	<2	2.20	0.8	19	172	1986	0.81	0.07	12	0.02	143	14	<0.01	11	0.64	24	<5	100	<0.01	7	<10	74
B4090		0.6	3.05	59	84	2	<2	4.30	0.2	24	74	190	3.87	0.11	12	0.24	484	7	0.19	43	0.26	83	7	305	0.13	42	13	77
B4092		0.3	1.52	1001	78	<1	<2	0.41	0.3	11	65	44	3.67	0.58	15	0.92	181	6	0.10	10	0.07	32	9	48	0.09	44	<10	68
B4093		1.2	0.24	147	76	<1	<2	11.83	2.3	4	59	26	3.74	0.10	7	2.23	1812	5	<0.01	5	0.02	168	30	508	<0.01	18	<10	411
B4128		0.4	1.00	997	9	<1	20	0.57	0.8	6	39	145	9.03	0.02	7	0.05	79	3	0.06	10	0.03	14	8	34	0.02	6	<10	119
B4128*		0.3	0.93	979	8	<1	19	0.52	0.8	6	38	132	8.24	0.02	6	0.04	68	3	0.06	9	0.02	13	<5	31	0.02	6	<10	115
B4129		2.4	1.87	0.46%	110	<1	7	0.93	0.7	165	48	1352	3.77	0.54	12	0.73	77	5	0.18	80	0.10	24	13	101	0.12	53	11	105
B4131		1.6	2.52	1847	202	<1	4	0.39	0.1	17	86	735	5.06	1.37	8	1.66	233	2	0.07	29	0.12	14	12	21	0.26	113	<10	75
B4132		2.8	1.65	0.59%	165	<1	13	0.48	0.3	20	81	1402	4.11	1.00	11	1.29	169	4	0.06	40	0.11	11	15	39	0.23	118	11	66
B4133		0.4	0.36	530	17	<1	<2	0.51	0.3	28	83	270	4.05	0.02	10	0.11	88	8	0.05	19	0.13	9	<5	21	0.08	11	<10	34
B4134		16.0	0.47	0.54%	80	<1	<2	0.78	4.4	23	37	1395	3.74	0.10	14	0.06	1734	<1	<0.01	38	0.11	100	42	12	<0.01	18	<10	405
B4135		72.0	0.64	3.67%	18	<1	25	0.10	199.4	13	<1	467	12.49	0.09	7	0.04	302	7	<0.01	23	0.07	2.68%	256	6	<0.01	37	74	3.07%
B4136		3.4	0.99	823	4	<1	17	4.31	3.9	6	34	1532	2.39	0.01	35	0.21	864	2	0.08	14	0.06	422	26	43	0.05	17	68	580
B4137		1.0	0.06	332	71	<1	<2	19.26	3.7	5	<1	32	3.89	<0.01	4	3.39	5037	<1	0.01	3	0.01	278	19	1244	<0.01	25	<10	550
B4140		1.6	0.12	10	9	<1	3	0.39	0.5	3	198	630	1.83	0.05	5	0.06	157	11	<0.01	5	0.02	43	<5	17	<0.01	2	<10	77
B4140*		1.6	0.12	7	8	<1	<2	0.34	0.5	2	201	622	1.80	0.06	1	0.07	140	11	<0.01	5	0.02	38	5	14	<0.01	3	<10	72

PLACER DOME RESEARCH CENTRE
Geochemical Analysis

Project/Venture: V275 | Geologist: D STRAIN | Date Received: AUG 16, 1991 | Page 2 of 2
Area: LORRIE | Lab Project No.: P1481 | Date Completed: AUG 29, 1991 | Attn: D STRAIN
Remarks: | J KOWALCHUK
Au – 10.0 g sample digested with Aqua Regia and determined by A.A. (D.L. 5 PPB) | E KIMURA
ICP – 0.5 g sample digested with 4 ml Aqua Regia at 100 Deg. C for 2 hours. | R HODGSON
N.B. The major oxide elements and Ba, Be, Cr, La and W are rarely dissolved with this acid dissolution method.

SAMPLE No.	Au ppb	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	Sb ppm	Sr ppm	Ti %	V ppm	W ppm	Zn ppm
B4151		0.5	2.35	0.35%	25	1	22	2.24	0.8	6	30	59	1.54	0.04	7	0.08	102	1	0.35	9	0.12	70	13	241	0.03	8	<10	88
B4152		0.3	1.92	115	63	1	<2	1.40	0.8	11	45	67	3.32	0.34	37	0.92	350	1	0.17	11	0.11	54	17	161	0.10	47	<10	96
B4153		0.1	1.48	53	193	<1	<2	0.89	0.4	5	50	24	2.38	0.26	27	0.52	295	3	0.10	6	0.10	24	8	126	0.13	38	<10	42
B4154		0.2	0.06	188	28	<1	<2	1.82	0.5	2	111	550	0.40	0.02	5	0.03	321	4	<0.01	4	0.01	12	5	63	<0.01	3	<10	18
B4156		1.8	0.09	16	28	<1	3	0.03	0.4	<1	177	19	0.33	0.05	9	<0.01	34	8	<0.01	3	<0.01	114	8	32	<0.01	2	<10	23
STD-P1		0.3	0.96	21	182	<1	<2	0.81	0.8	5	103	25	2.02	0.33	7	0.77	531	50	0.06	28	0.07	47	11	76	0.09	35	<10	132

PLACER DOME RESEARCH CENTRE
Geochemical Analysis

Project/Venture: V275 | Geol.: D STRAIN | Date Received: AUG 16, 1991 | Page 1 of 4
Area: LORRIE | Lab Project No.: P1484 | Date Completed: SEPT 5, 1991 | Attn: D STRAIN
Remarks: PREPARED PULPS FROM NORTHERN ANALYTICAL LABS | J KOWALCHUK
Au – 10.0 g sample digested with Aqua Regia and determined by A.A. (D.L 5 PPB) | E KIMURA
ICP – 0.5 g sample digested with 4 ml Aqua Regia at 100 Deg. C for 2 hours. | R HODGSON
N.B. The major oxide elements and Ba, Be, Cr, La and W are rarely dissolved with this acid dissolution method.

SAMPLE No.	Au ppb	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	Sb ppm	Sr ppm	Ti %	V ppm	W ppm	Zn ppm
B1676		0.2	1.95	369	195	<1	7	0.21	0.1	11	45	114	4.51	0.36	14	0.89	248	4	0.03	25	0.09	26	<5	36	0.18	128	21	82
B1677		0.3	2.50	838	293	<1	11	0.25	<0.1	17	40	250	5.25	0.26	16	0.94	261	2	0.02	45	0.10	21	<5	47	0.15	81	31	74
B1678		0.3	2.45	254	307	<1	8	0.25	<0.1	14	41	193	4.30	0.18	16	0.82	300	2	0.02	40	0.10	26	<5	34	0.13	64	12	80
B1679		1.0	2.49	296	296	<1	12	0.33	1.5	16	42	164	5.03	0.16	16	1.03	497	<1	0.03	42	0.11	302	<5	37	0.14	80	12	788
B1680		0.1	2.33	166	187	<1	7	0.54	0.5	23	39	104	3.42	0.06	17	0.81	838	1	0.02	37	0.08	36	<5	24	0.07	52	11	119
B1681		<0.1	2.18	167	307	<1	10	0.55	0.3	21	39	107	3.24	0.14	16	0.81	524	1	0.02	40	0.08	32	<5	32	0.11	60	10	92
B1682		0.2	2.52	249	139	<1	14	0.59	0.3	14	46	130	3.04	0.10	15	0.69	562	<1	0.03	36	0.09	36	<5	33	0.09	53	11	97
B1683		0.4	2.87	63	110	<1	19	1.05	0.8	10	30	78	1.90	0.04	28	0.30	955	2	0.07	20	0.11	94	<5	93	0.03	22	10	130
B1684		0.4	3.20	543	157	1	17	0.84	0.4	22	47	206	3.81	0.06	22	0.78	652	3	0.03	48	0.14	81	<5	39	0.08	60	15	159
B1684*		0.4	3.27	542	160	1	20	0.85	0.4	22	48	210	3.91	0.06	22	0.80	665	2	0.03	49	0.13	81	<5	40	0.08	62	17	160
B1685		0.4	2.27	526	131	1	18	0.24	0.3	11	40	602	3.35	0.08	28	0.52	361	4	0.02	32	0.10	38	<5	30	0.06	52	23	99
B1686		0.8	1.91	576	161	1	15	0.41	0.4	14	35	650	2.90	0.10	46	0.44	441	4	0.03	29	0.09	47	<5	65	0.06	40	124	95
B1748		1.5	0.36	216	121	<1	4	0.03	<0.1	8	35	66	3.93	0.17	50	0.09	112	2	<0.01	7	0.05	18	<5	20	<0.01	12	<10	35
B1749		0.4	1.02	47	163	1	5	0.05	<0.1	22	67	74	5.36	0.17	46	0.32	727	3	<0.01	33	0.10	31	6	35	0.03	36	<10	68
B1750		0.7	0.98	114	110	1	5	0.04	<0.1	21	33	139	5.15	0.12	35	0.30	1301	3	<0.01	30	0.08	48	14	24	0.03	28	<10	72
B1847		0.3	2.07	512	139	2	7	0.13	0.4	27	42	195	4.46	0.10	24	0.50	915	3	0.01	42	0.08	33	<5	29	0.04	41	<10	88
B1849		<0.1	1.40	116	89	<1	2	0.11	0.2	11	38	43	2.88	0.05	16	0.39	424	3	<0.01	24	0.05	10	<5	11	0.05	39	<10	67
B1850		0.1	1.85	43	80	<1	<2	0.06	0.1	7	40	20	3.19	0.03	12	0.32	233	4	<0.01	16	0.03	11	<5	8	0.04	53	<10	53
B1851A		0.5	0.80	22	93	<1	<2	0.32	0.3	9	28	22	1.78	0.08	7	0.14	441	4	0.02	10	0.15	12	<5	29	0.02	25	<10	57
B1851A*		0.5	0.82	25	108	<1	3	0.36	0.5	10	29	26	1.85	0.09	7	0.17	447	3	0.02	11	0.18	15	<5	33	0.02	28	<10	65
B1851B		0.5	1.66	162	131	1	14	0.07	0.3	39	45	168	8.01	0.17	33	0.49	1099	3	0.01	54	0.09	59	<5	36	0.02	31	30	115
B1869		<0.1	2.78	61	139	<1	12	0.31	0.2	15	42	72	3.25	0.09	15	0.59	757	3	0.04	27	0.11	21	<5	31	0.10	57	14	109
B1870		<0.1	2.25	162	215	1	17	0.41	0.4	33	37	143	4.88	0.13	18	0.56	713	3	0.04	54	0.10	32	<5	47	0.08	51	39	105
B1871		0.2	2.57	230	125	<1	17	0.88	0.4	12	33	50	2.38	0.06	19	0.31	681	3	0.06	30	0.13	36	<5	48	0.03	28	11	136
B1872		0.1	3.64	316	188	1	19	0.47	0.5	21	39	85	3.58	0.07	14	0.44	1378	4	0.03	31	0.18	29	<5	37	0.05	48	12	143
B1873		0.2	1.07	41	151	<1	13	0.38	0.5	15	34	35	3.34	0.13	8	0.35	928	3	0.02	12	0.12	19	<5	31	0.06	52	<10	90
B1874		0.1	1.87	124	175	<1	11	0.41	0.4	22	35	189	4.19	0.08	19	0.50	1034	6	0.03	45	0.10	34	<5	33	0.06	43	12	106
B1875		<0.1	2.48	216	158	<1	10	0.38	0.4	19	37	49	3.40	0.06	14	0.49	702	2	0.02	41	0.08	38	<5	29	0.05	43	10	121
B1951		<0.1	1.77	6	121	<1	12	0.10	0.2	15	40	24	3.81	0.05	12	0.48	599	4	<0.01	22	0.09	13	<5	15	0.03	45	<10	90
STD-P1		0.2	1.02	19	187	<1	7	0.85	0.4	8	108	24	2.09	0.33	7	0.77	548	49	0.07	28	0.07	48	<5	80	0.10	33	<10	138
B1952		0.7	2.00	42	314	2	10	0.12	0.6	103	36	129	8.58	0.27	29	0.82	2571	11	0.03	74	0.23	65	10	84	0.04	62	21	183
B1953		0.9	2.47	49	315	2	15	0.20	0.7	101	35	170	10.51	0.26	34	0.99	3976	10	0.03	91	0.25	73	13	113	0.03	65	18	205
B1954		0.6	2.43	60	244	2	16	0.07	0.7	95	26	182	10.94	0.39	22	1.28	2426	12	0.03	99	0.22	100	17	103	0.04	61	15	240
B1955		1.1	2.74	79	187	1	11	0.22	0.1	15	37	132	9.89	0.24	12	0.85	463	18	0.02	31	0.19	73	25	191	0.06	89	15	145
B1956		0.5	3.84	28	231	3	11	1.23	0.7	67	35	123	8.40	0.56	16	0.89	893	8	0.08	70	0.11	62	30	1409	0.02	56	14	236
B1957		0.6	3.53	26	134	2	11	1.85	0.4	18	32	47	4.61	0.39	15	2.08	663	4	0.26	41	0.10	22	8	250	0.14	117	15	171
B1958		0.3	3.81	40	232	2	15	0.46	1.4	53	35	123	9.53	0.49	21	1.41	1387	10	0.11	96	0.18	66	18	293	0.09	114	15	423
B1959		0.4	3.54	26	165	2	11	1.56	0.7	24	28	65	5.56	0.44	16	2.23	875	4	0.21	55	0.11	30	12	257	0.13	119	15	274
B1960		1.0	3.96	75	695	2	15	0.25	0.5	67	31	327	11.13	0.37	23	1.24	1016	15	0.02	124	0.30	139	37	220	0.05	78	14	344
B1960*		1.0	3.82	71	660	2	15	0.24	0.5	65	31	314	10.77	0.35	23	1.19	982	16	0.02	121	0.29	135	25	212	0.05	74	14	333
B1961		0.3	3.41	38	132	2	11	1.60	0.8	22	32	71	5.16	0.41	19	2.00	847	6	0.23	49	0.12	38	<5	238	0.12	114	22	241
B1963		0.3	3.68	25	240	2	14	1.03	1.2	33	31	83	6.00	0.27	21	1.78	847	6	0.19	71	0.12	35	<5	200	0.12	116	18	366
B1965		0.1	2.30	41	107	1	6	1.33	0.4	20	29	55	4.59	0.06	15	0.77	863	4	0.06	35	0.14	46	<5	104	0.04	50	21	170
B1967		0.1	1.86	48	120	1	11	0.83	0.5	18	30	38	3.71	0.07	13	0.38	849	4	0.02	22	0.16	41	<5	54	0.02	33	<10	113
B1968		<0.1	1.53	211	144	2	11	0.31	0.3	29	31	58	5.28	0.18	39	0.41	569	3	0.03	52	0.10	43	12	108	0.02	29	<10	99
B1969		<0.1	1.45	141	155	2	9	0.13	0.1	28	34	53	4.95	0.15	36	0.39	549	4	0.02	51	0.09	31	<5	93	0.03	30	<10	86
B1971		0.5	1.68	681	109	1	13	0.07	0.2	45	41	252	7.40	0.14	29	0.50	1205	4	<0.01	56	0.09	49	<5	41	0.02	31	26	95
B1972		0.3	1.36	414	152	2	7	0.13	0.2	40	58	144	6.04	0.26	37	0.55	1307	3	<0.01	48	0.08	45	14	25	0.03	30	12	98
B1973		0.1	1.38	233	161	1	4	0.12	0.1	35	48	108	4.71	0.24	31	0.53	1500	2	<0.01	44	0.06	40	<5	18	0.03	26	<10	88
STD-P1		0.2	0.98	20	181	<1	<2	0.83	0.3	8	109	22	2.00	0.32	8	0.79	533	46	0.06	28	0.07	44	<5	80	0.10	31	<10	138

PLACER DOME RESEARCH CENTRE
Geochemical Analysis

Project/Venture: V275 | Geol.: D STRAIN | Date Received: AUG 16, 1991 | Page 2 of 4
Area: LORRIE | Lab Project No.: P1484 | Date Completed: SEPT 5, 1991 | Attn: D STRAIN
Remarks: PREPARED PULPS FROM NORTHERN ANALYTICAL LABS | J KOWALCHUK
Au – 10.0 g sample digested with Aqua Regia and determined by A.A. (D.L. 5 PPB) | E KIMURA
ICP – 0.5 g sample digested with 4 ml Aqua Regia at 100 Deg. C for 2 hours. | R HODGSON
N.B. The major oxide elements and Ba, Be, Cr, La and W are rarely dissolved with this acid dissolution method.

SAMPLE No.	Au ppb	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	Sb ppm	Sr ppm	Ti %	V ppm	W ppm	Zn ppm
B3703		0.5	1.52	30	254	1	8	1.02	0.4	11	34	32	3.69	0.05	32	0.56	904	3	<0.01	25	0.15	40	5	58	0.02	34	18	118
B3704		0.7	1.41	20	270	1	4	1.22	0.4	9	31	26	2.78	0.06	37	0.70	570	2	<0.01	20	0.15	79	<5	60	<0.01	23	10	122
B3705		0.4	1.87	96	263	1	8	1.50	0.3	9	29	22	3.00	0.08	26	0.96	390	1	0.02	19	0.12	45	<5	74	0.01	25	<10	96
B3706		0.2	1.50	15	263	<1	9	1.26	0.1	8	29	19	3.10	0.07	32	0.80	432	3	<0.01	19	0.13	27	5	55	<0.01	22	<10	85
B3707		0.2	1.27	13	250	<1	6	1.18	0.2	9	30	19	2.88	0.07	26	0.61	510	2	<0.01	19	0.12	23	<5	53	0.01	22	<10	77
B3708		0.2	1.36	22	259	1	4	1.77	0.3	7	27	18	2.51	0.06	26	0.67	220	<1	0.01	17	0.15	31	5	68	<0.01	17	<10	88
B3709		0.2	1.08	7	237	1	5	0.62	0.2	10	33	19	3.56	0.07	33	0.37	605	1	<0.01	23	0.11	28	<5	33	<0.01	23	<10	96
B3710		0.2	1.13	9	213	1	4	0.72	0.2	10	32	19	3.81	0.06	33	0.39	565	1	<0.01	21	0.13	35	8	38	<0.01	23	<10	102
B3711		0.3	1.52	11	263	1	5	0.96	0.2	8	31	22	3.03	0.06	29	0.79	406	3	<0.01	19	0.13	40	<5	44	0.01	27	<10	98
B3711*		0.3	1.54	14	268	1	4	0.98	0.2	8	31	22	3.06	0.05	29	0.79	412	1	<0.01	19	0.13	39	6	46	0.01	27	<10	97
B3712		0.3	1.84	23	192	1	5	0.75	0.3	11	32	26	2.98	0.06	22	0.91	618	2	0.02	24	0.08	37	<5	38	0.02	34	15	94
B3713		0.6	2.47	55	215	2	9	1.06	0.8	11	32	24	3.23	0.06	25	1.11	726	<1	0.05	21	0.14	156	22	113	0.02	36	10	201
B3714		0.3	2.52	28	227	1	7	1.70	0.7	14	31	32	2.52	0.04	27	0.62	961	1	0.04	19	0.14	136	8	97	0.03	31	<10	178
B3715		0.2	1.81	13	346	<1	6	0.40	0.3	8	37	26	3.06	0.05	19	0.68	566	<1	<0.01	20	0.13	24	<5	25	0.01	39	<10	130
B3716		0.1	2.34	25	160	1	5	1.36	0.4	10	33	24	2.87	0.04	21	0.93	727	2	0.06	19	0.11	47	<5	96	0.03	34	<10	111
B3717		0.1	2.70	39	155	1	6	1.16	0.2	9	33	17	2.83	0.08	21	1.46	471	<1	0.05	20	0.10	20	<5	67	0.03	34	10	93
B3718		0.2	2.24	56	160	1	6	1.33	0.3	8	33	14	2.54	0.06	16	1.02	461	<1	0.02	16	0.14	29	8	54	0.02	30	<10	99
B3719		0.2	1.96	51	243	1	13	1.31	0.3	14	26	17	3.32	0.11	34	1.47	934	1	0.01	21	0.11	30	<5	66	0.02	31	<10	89
B3720		0.1	1.46	22	175	<1	5	1.04	0.2	9	29	14	2.72	0.06	27	0.95	535	<1	<0.01	16	0.11	25	7	44	0.02	24	<10	80
B3720*		0.1	1.45	20	171	<1	6	1.04	0.2	9	29	14	2.70	0.06	27	0.95	524	<1	<0.01	17	0.11	24	<5	44	0.02	24	<10	80
B3721		0.3	1.22	14	224	<1	4	1.33	0.4	8	29	19	2.20	0.05	21	0.58	491	2	<0.01	15	0.15	17	<5	57	0.01	23	16	94
B3722		0.2	1.44	16	241	1	2	1.34	0.2	7	29	16	2.49	0.05	25	0.65	608	3	<0.01	14	0.17	16	<5	60	0.01	22	11	71
B3723		0.7	1.36	31	148	1	5	0.81	1.2	10	34	31	3.06	0.04	34	0.56	786	3	<0.01	19	0.13	148	37	37	0.02	33	<10	194
B3724		0.1	1.16	15	158	<1	4	0.53	0.3	9	27	16	3.01	0.06	25	0.76	507	1	<0.01	21	0.10	37	<5	28	0.01	20	<10	102
B3725		0.4	1.30	12	188	1	6	0.56	0.3	8	31	17	2.96	0.05	32	0.68	404	1	<0.01	18	0.08	45	7	26	0.01	27	<10	99
B3726		<0.1	1.24	17	212	<1	3	1.53	0.1	8	26	14	2.45	0.07	32	0.73	432	3	0.01	16	0.11	22	<5	61	<0.01	17	<10	75
B3727		0.2	1.68	23	225	1	9	0.98	0.2	8	31	16	3.99	0.07	35	0.88	795	1	0.02	16	0.14	41	34	53	0.02	34	16	93
B3728		<0.1	0.74	20	148	<1	5	2.76	0.3	6	24	16	1.50	0.04	12	0.22	699	1	0.01	8	0.18	13	<5	108	0.01	14	<10	69
B3729		0.1	1.76	32	193	1	8	2.00	0.1	9	33	21	2.47	0.08	19	0.81	517	3	0.03	16	0.13	21	<5	83	0.03	33	<10	87
B3729*		0.1	1.92	25	208	1	8	2.07	0.2	9	34	23	2.71	0.09	21	0.89	559	2	0.03	17	0.14	24	<5	88	0.03	36	<10	97
B3730		<0.1	1.90	17	170	<1	5	0.42	0.2	10	35	20	2.92	0.07	21	0.85	567	2	<0.01	22	0.10	14	<5	25	0.03	39	15	84
B3731		0.4	2.02	65	171	1	8	0.50	0.4	9	38	24	3.04	0.07	21	0.80	462	2	<0.01	19	0.12	80	9	32	0.03	44	<10	108
B3732		1.5	2.22	2525	198	2	36	0.49	1.7	28	33	378	8.67	0.19	25	0.39	779	16	0.07	78	0.28	217	37	86	0.03	51	14	342
B3733		2.3	2.33	810	248	2	23	0.48	2.1	35	35	441	8.95	0.23	27	0.44	998	17	0.08	84	0.35	438	45	122	0.03	62	17	391
B3734		2.0	2.06	579	188	1	20	0.41	0.7	25	37	405	10.06	0.25	22	0.41	869	25	0.09	57	0.37	164	37	126	0.03	71	18	235
B3735		1.8	2.11	855	218	2	21	0.45	0.8	35	36	442	8.81	0.24	25	0.42	1100	20	0.09	61	0.34	196	25	117	0.03	65	19	237
B3736		1.2	1.85	1791	96	<1	30	0.81	1.3	37	30	539	5.63	0.11	27	0.39	804	4	0.10	65	0.14	140	23	78	0.04	33	29	261
B3737		0.7	2.32	240	117	<1	11	1.92	1.5	30	26	243	4.20	0.11	22	0.39	607	4	0.19	66	0.12	67	9	131	0.05	29	<10	277
B3738		1.0	1.98	541	96	<1	10	1.93	1.5	32	28	273	3.83	0.06	25	0.36	803	3	0.14	73	0.11	112	13	96	0.04	26	<10	326
B3738*		1.0	1.91	525	91	<1	12	1.86	1.4	30	28	265	3.68	0.06	24	0.34	765	3	0.14	70	0.10	108	18	93	0.04	25	<10	312
B3739		1.2	1.67	847	89	<1	7	0.80	0.9	30	28	364	4.42	0.03	25	0.22	766	1	0.05	46	0.13	156	27	37	0.02	22	25	249
B3740		1.3	2.13	2235	121	<1	29	0.89	0.8	46	30	734	6.27	0.10	22	0.50	735	3	0.09	83	0.11	83	27	70	0.05	32	18	166
B3741		0.6	1.99	1496	66	<1	16	0.83	0.8	25	33	584	5.70	0.05	37	0.41	911	2	0.05	59	0.11	76	29	46	0.03	33	11	164
B3742		4.3	1.73	885	187	1	15	0.82	9.8	27	35	367	6.74	0.17	32	0.38	1777	7	0.07	66	0.20	1216	40	99	0.02	51	17	1333
B3743		4.7	1.73	855	178	1	16	0.75	9.4	28	34	372	6.82	0.16	31	0.38	1597	8	0.06	65	0.21	1247	26	99	0.02	50	10	1247
B3744		4.4	1.84	871	164	1	17	0.84	7.9	26	34	464	6.41	0.15	31	0.43	1450	8	0.07	61	0.19	1130	34	99	0.02	48	20	1122
B3745		8.0	1.87	1669	45	<1	79	1.36	2.1	20	25	2573	5.05	0.06	27	0.23	742	3	0.10	51	0.12	253	25	78	0.02	16	106	316
B3746		0.1	1.82	116	135	<1	7	0.62	0.6	15	33	90	2.96	0.05	18	0.41	426	4	0.04	45	0.08	38	8	47	0.03	35	24	105
B3747		<0.1	2.03	59	105	<1	4	0.82	0.4	13	34	50	2.87	0.06	13	0.47	444	3	0.03	32	0.12	45	7	32	0.03	39	<10	133
STD-P1		0.2	0.99	24	180	<1	3	0.84	0.3	5	107	24	2.03	0.33	8	0.77	536	47	0.06	28	0.07	45	<5	80	0.10	32	<10	136

PLACER DOME RESEARCH CENTRE
Geochemical Analysis

Project/Venture: V275 | Geol.: D STRAIN | Date Received: AUG 16, 1991 | Page 3 of 4
Area: LORRIE | Lab Project No.: P1484 | Date Completed: SEPT 5, 1991 | Attn: D STRAIN
Remarks: PREPARED PULPS FROM NORTHERN ANALYTICAL LABS | J KOWALCHUK
Au – 10.0 g sample digested with Aqua Regia and determined by A.A. (D.L. 5 PPB) | E KIMURA
ICP – 0.5 g sample digested with 4 ml Aqua Regia at 100 Deg. C for 2 hours. | R HODGSON
N.B. The major oxide elements and Ba, Be, Cr, La and W are rarely dissolved with this acid dissolution method.

SAMPLE No.	Au ppb	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	Sb ppm	Sr ppm	Ti %	V ppm	W ppm	Zn ppm
B3748		0.2	2.39	42	106	<1	3	0.78	0.5	15	37	78	3.00	0.05	23	0.53	456	3	0.04	42	0.11	42	<5	35	0.03	43	20	125
B3749		0.5	2.05	414	109	<1	5	1.46	0.8	15	33	79	2.52	0.06	20	0.43	780	1	0.04	31	0.13	57	<5	51	0.03	34	13	117
B3750		0.2	2.05	74	105	<1	5	1.37	0.8	13	31	54	2.27	0.05	20	0.41	592	2	0.05	31	0.12	63	<5	56	0.03	28	<10	143
B4176		<0.1	2.80	166	199	<1	5	0.29	0.3	22	41	67	3.67	0.06	15	0.57	549	2	0.01	48	0.08	30	<5	32	0.07	48	<10	100
B4177		0.2	2.51	54	243	<1	7	0.18	<0.1	16	35	89	3.99	0.18	13	0.96	324	2	0.01	31	0.08	12	<5	25	0.09	58	<10	86
B4178		0.6	1.80	26	68	<1	9	4.32	1.4	26	25	59	3.95	0.03	19	0.18	995	2	0.13	52	0.08	48	<5	236	0.03	17	11	158
B4179		0.4	3.48	448	96	2	8	0.97	1.3	32	33	85	2.95	0.05	25	0.30	695	3	0.04	57	0.17	151	<5	47	0.03	24	<10	311
B4180		0.2	3.05	52	129	<1	8	0.62	0.8	12	34	30	2.30	0.04	23	0.32	842	4	0.05	29	0.13	52	<5	41	0.03	28	<10	250
B4181		0.2	1.79	210	119	<1	8	0.70	0.4	9	35	41	3.23	0.05	11	0.35	832	3	0.02	18	0.14	39	<5	32	0.02	32	11	130
B4181*		0.2	1.82	214	122	<1	9	0.73	0.3	9	35	42	3.28	0.05	11	0.36	977	3	0.02	18	0.15	41	<5	33	0.02	33	10	134
B4182		2.5	1.55	5553	231	1	52	0.93	2.2	21	34	400	6.59	0.04	30	0.30	2155	4	0.04	37	0.14	436	65	66	0.01	26	38	362
B4183		0.2	1.87	859	117	<1	14	0.32	0.2	11	36	77	2.86	0.04	14	0.47	497	3	<0.01	24	0.08	22	<5	16	0.03	38	11	96
B4184		1.1	1.75	188	204	1	12	0.38	1.0	16	38	216	7.02	0.17	16	0.44	602	16	0.04	32	0.29	87	19	75	0.02	62	16	153
B4185		0.4	2.11	114	123	2	7	1.35	0.8	17	34	128	4.04	0.06	18	0.47	832	5	0.02	57	0.20	87	12	76	0.02	45	10	182
B4186		0.5	2.33	84	171	2	11	0.52	0.6	23	37	186	6.03	0.12	23	0.54	898	9	0.03	66	0.22	72	20	85	0.03	57	10	135
B4187		0.4	3.08	24	400	<1	8	0.82	0.3	21	34	86	5.15	0.09	12	0.45	841	2	0.03	42	0.14	54	<5	276	0.05	41	10	130
B4188		0.1	2.29	79	112	1	4	0.51	0.2	14	37	62	3.77	0.08	17	0.80	619	3	0.01	41	0.07	20	5	43	0.05	50	<10	138
B4458		0.1	1.47	79	128	<1	<2	0.26	0.3	14	33	37	2.86	0.09	13	0.54	607	2	<0.01	33	0.09	29	<5	23	0.05	33	<10	99
B4459		0.2	2.11	132	186	<1	3	0.87	0.4	13	37	50	2.85	0.24	16	0.83	387	1	0.09	25	0.10	57	9	85	0.09	48	<10	112
B4459*		0.3	2.13	134	189	<1	4	0.88	0.5	13	37	51	2.88	0.23	16	0.84	383	2	0.09	26	0.10	56	13	85	0.09	48	10	114
B4460		0.3	2.47	196	194	1	11	0.99	0.5	13	38	85	3.31	0.33	17	1.00	357	3	0.13	31	0.10	56	20	81	0.08	53	15	130
B4461		0.3	2.85	245	257	1	14	0.84	0.7	18	39	80	3.59	0.31	21	1.05	540	3	0.10	35	0.10	71	16	73	0.08	57	14	149
B4462		0.2	2.69	152	271	1	13	0.74	0.7	22	39	56	3.36	0.31	19	0.89	522	3	0.11	37	0.10	77	7	69	0.09	54	11	139
B4463		0.4	<0.01	<5	<1	<1	<2	<0.01	<0.1	<1	13	<1	<0.01	<0.01	<1	<0.01	<1	<1	<0.01	<1	<0.01	<2	<5	<1	<0.01	<1	<10	<1
B4464		<0.1	1.36	466	127	<1	5	0.31	<0.1	10	33	60	2.55	0.03	12	0.48	251	2	<0.01	21	0.06	14	<5	17	0.03	33	<10	65
B4465		0.1	1.51	411	147	<1	8	0.44	0.1	10	34	54	2.77	0.04	13	0.49	287	2	<0.01	22	0.08	16	<5	20	0.02	35	<10	75
B4466		<0.1	1.36	347	124	<1	8	0.26	0.1	9	34	40	2.53	0.04	11	0.45	223	<1	<0.01	20	0.06	13	<5	16	0.03	32	<10	66
B4467		<0.1	1.38	283	130	<1	9	0.24	0.1	10	34	35	2.51	0.04	12	0.47	421	2	<0.01	20	0.06	17	<5	17	0.03	35	<10	72
B4468		<0.1	1.54	180	109	<1	6	0.26	<0.1	7	34	17	2.46	0.04	9	0.47	213	2	<0.01	17	0.05	14	<5	16	0.03	36	<10	57
B4468*		<0.1	1.59	179	113	<1	4	0.27	<0.1	7	34	17	2.53	0.04	9	0.49	220	<1	<0.01	17	0.05	16	<5	16	0.04	37	<10	58
B4469		0.2	2.87	141	202	1	6	0.26	0.3	13	39	62	2.96	0.13	16	0.82	492	2	0.02	24	0.10	47	7	21	0.07	48	19	78
B4589		0.2	2.81	640	173	1	23	0.32	0.2	19	39	293	4.81	0.06	15	0.50	532	4	0.05	35	0.14	23	10	39	0.05	54	12	70
B4590		<0.1	2.19	926	210	<1	41	0.33	0.3	17	38	215	3.48	0.07	10	0.58	476	2	0.02	26	0.09	17	<5	29	0.07	57	<10	78
B4591		<0.1	2.79	46	167	<1	6	0.16	0.3	10	39	32	3.33	0.04	12	0.43	763	3	0.02	22	0.09	12	<5	17	0.05	48	<10	82
B4592		<0.1	2.33	182	213	<1	6	0.20	0.3	10	39	49	3.66	0.12	10	0.62	413	5	0.03	22	0.09	13	<5	38	0.09	70	<10	93
B4593		<0.1	2.82	70	235	1	10	0.22	0.3	12	39	62	4.00	0.16	12	0.79	382	2	0.02	26	0.09	12	<5	39	0.14	65	<10	82
B4594		0.3	1.77	692	203	<1	14	0.70	0.4	21	30	251	4.69	0.12	21	0.39	942	2	0.06	34	0.12	31	12	69	0.04	34	28	99
B4595		0.3	1.47	31	156	<1	5	0.13	<0.1	4	36	35	2.51	0.14	10	0.49	195	2	0.02	11	0.08	8	<5	25	0.10	57	<10	51
B4596		0.4	2.46	191	421	1	12	0.68	<0.1	12	41	312	6.64	0.36	15	0.71	508	11	0.07	27	0.52	12	<5	113	0.06	83	15	86
B4596*		0.4	2.58	206	440	1	9	0.72	<0.1	13	42	323	6.88	0.37	16	0.74	533	12	0.08	28	0.54	15	<5	118	0.06	87	16	89
B4597		0.1	2.32	136	262	1	9	0.47	0.3	27	37	143	5.92	0.24	16	0.66	530	3	0.07	38	0.20	31	<5	109	0.10	58	19	245
B4598		0.1	2.12	323	166	<1	10	0.30	0.1	21	37	172	5.09	0.13	12	0.66	332	4	0.02	49	0.08	22	<5	36	0.10	53	11	139
B4599		0.3	3.60	39	230	<1	13	1.16	0.8	26	24	81	4.92	0.51	11	2.43	1057	3	0.14	49	0.09	26	18	114	0.09	84	16	227
B4600		0.6	3.07	74	198	1	7	1.21	0.4	18	41	82	4.26	0.23	18	2.25	1049	2	0.11	38	0.08	47	14	85	0.09	76	12	177
B4626		0.5	2.43	52	298	2	7	0.70	0.5	18	61	61	3.96	0.33	18	1.81	1012	1	0.07	35	0.10	39	10	69	0.10	90	10	171
B4627		5.0	2.70	234	88	1	15	0.83	2.8	13	34	107	4.33	0.11	19	1.55	1017	2	0.09	29	0.09	2410	947	68	0.06	56	<10	522
B4628		0.5	2.20	22	196	1	7	0.92	0.5	11	35	40	3.57	0.19	26	1.44	568	2	0.10	26	0.11	106	35	80	0.04	44	<10	152
B4629		0.6	3.25	26	200	1	10	0.97	0.9	19	26	95	4.83	0.42	18	2.59	816	2	0.07	41	0.11	58	18	77	0.08	87	14	269
B4630		0.1	2.87	29	195	1	11	0.80	0.3	17	21	42	4.14	0.33	19	2.34	878	1	0.05	25	0.10	32	<5	47	0.07	57	11	147
STD-P1		0.2	0.96	21	177	<1	2	0.81	0.3	5	103	21	1.96	0.32	6	0.74	516	45	0.06	27	0.07	45	<5	76	0.10	30	<10	133

PLACER DOME RESEARCH CENTRE
Geochemical Analysis

Project/Venture: V275 | Geol.: D STRAIN | Date Received: AUG 16, 1991 | Page 4 of 4
Area: LORRIE | Lab Project No.: P1484 | Date Completed: SEPT 5, 1991 | Attn: D STRAIN
Remarks: PREPARED PULPS FROM NORTHERN ANALYTICAL LABS | J KOWALCHUK
Au – 10.0 g sample digested with Aqua Regia and determined by A.A. (D.L 5 PPB) | E KIMURA
ICP – 0.5 g sample digested with 4 ml Aqua Regia at 100 Deg. C for 2 hours. | R HODGSON
N.B. The major oxide elements and Ba, Be, Cr, La and W are rarely dissolved with this acid dissolution method.

SAMPLE No.	Au ppb	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	Sb ppm	Sr ppm	Ti %	V ppm	W ppm	Zn ppm
B4631		0.3	1.47	133	173	1	11	0.53	0.2	14	29	40	4.10	0.08	35	1.03	990	3	0.01	29	0.11	29	<5	34	0.02	27	18	100
B4632		0.5	1.94	209	197	1	8	1.05	0.8	29	34	100	5.46	0.07	43	1.17	2019	4	0.01	45	0.15	180	37	93	0.02	44	15	200
B4633		0.8	2.07	256	195	1	14	1.13	0.3	24	32	67	5.19	0.07	35	1.21	2016	4	0.02	41	0.12	72	8	83	0.02	42	12	127
B4634		0.7	1.72	216	188	1	10	0.91	0.7	33	36	113	6.04	0.06	33	1.18	1741	5	0.01	59	0.14	103	26	80	0.02	48	11	206
B4635		0.6	1.44	41	191	1	9	0.26	1.8	42	29	138	6.87	0.08	27	0.96	2571	5	0.01	74	0.17	138	32	45	0.01	45	<10	278
B4636		0.5	1.36	24	210	1	9	0.36	1.8	41	26	135	6.11	0.09	26	1.05	2402	6	<0.01	73	0.15	88	<5	43	<0.01	45	<10	299
B4637		1.5	1.41	36	239	1	11	0.51	1.9	35	30	122	7.46	0.11	34	1.04	2195	8	0.01	69	0.16	189	77	66	<0.01	64	10	381
B4638		0.2	2.32	26	221	1	10	0.77	0.3	26	35	64	5.64	0.10	30	1.10	2012	3	0.04	47	0.14	20	<5	94	0.04	94	12	109
B4639		0.2	2.26	17	845	2	10	1.95	0.8	12	30	26	3.83	0.05	97	0.25	12353	3	<0.01	33	0.19	10	5	77	0.01	25	10	135
B4639*		0.2	2.22	24	833	2	9	1.92	0.8	11	30	25	3.70	0.05	96	0.23	12134	3	<0.01	32	0.18	8	<5	75	0.01	24	11	131
B4640		0.2	3.01	23	232	1	7	0.51	0.5	15	28	46	3.79	0.36	23	1.91	828	2	0.04	30	0.10	17	5	46	0.06	63	19	135
B4641		0.1	3.16	16	172	<1	7	0.87	0.3	12	35	25	3.29	0.24	11	1.56	981	<1	0.09	27	0.06	13	<5	81	0.09	53	12	108
B4642		<0.1	2.14	15	152	<1	4	0.23	0.2	10	34	23	2.87	0.13	12	0.91	439	<1	0.02	26	0.06	9	<5	22	0.07	40	<10	79
B4643		<0.1	2.65	15	176	<1	9	0.17	0.2	13	31	50	3.66	0.23	11	1.41	447	2	<0.01	33	0.06	47	11	18	0.08	62	<10	133
B4644		0.6	2.28	31	201	2	8	0.36	0.2	14	29	36	3.71	0.19	14	1.47	900	3	0.02	40	0.07	46	<5	40	0.12	98	<10	57
B4645		0.8	1.44	39	261	1	9	0.88	0.3	32	27	76	6.94	0.17	31	0.92	3418	5	0.02	61	0.22	39	7	89	0.02	45	11	83
B4646		0.8	1.73	29	267	1	9	0.41	0.7	23	107	76	5.50	0.11	28	1.12	1153	7	0.02	81	0.18	45	<5	80	0.04	61	<10	185
B4647		1.6	2.19	40	285	1	8	0.44	0.8	26	64	112	6.60	0.12	29	1.35	1195	8	0.03	65	0.21	78	25	106	0.05	96	12	247
B4648		0.6	1.52	25	206	1	8	0.30	0.8	22	41	83	5.42	0.12	28	1.11	1177	6	0.02	56	0.16	48	<5	59	0.02	52	<10	201
B4648*		0.5	1.48	29	201	1	8	0.30	0.8	22	41	81	5.31	0.12	27	1.09	1147	6	0.02	55	0.15	47	9	58	0.02	51	<10	196
B4649		1.2	1.89	43	266	1	10	0.44	1.0	25	43	112	6.18	0.14	36	1.07	1380	13	0.02	67	0.20	80	25	79	0.02	71	18	246
B4650		0.4	2.05	27	288	1	9	0.63	0.3	16	42	53	4.55	0.20	31	1.56	885	4	0.02	38	0.13	23	<5	51	0.05	62	11	122
B4650*		0.3	2.02	22	282	1	7	0.62	0.2	16	41	52	4.49	0.20	30	1.54	870	6	0.02	35	0.13	23	<5	50	0.05	60	<10	121

PLACER DOME RESEARCH CENTRE
Geochemical Analysis

Project/Venture: V275 | Geol.: D STRAIN | Date Received: AUG 16, 1991 | Page 1 of 4
Area: LORRIE | Lab Project No.: P1483 | Date Completed: AUG 30, 1991 | Attn: D STRAIN
Remarks: PULPS SHIPPED FROM NAL; THERE WERE VISIBLE ROCKS IN SOME SAMPLES | J KOWALCHUK
Au – 10.0 g sample digested with Aqua Regia and determined by A.A. (D.L 5 PPB) | E KIMURA
ICP – 0.5 g sample digested with 4 ml Aqua Regia at 100 Deg. C for 2 hours. | R HODGSON
N.B. The major oxide elements and Ba, Be, Cr, La and W are rarely dissolved with this acid dissolution method.

SAMPLE No.	Au ppb	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	Sb ppm	Sr ppm	Ti %	V ppm	W ppm	Zn ppm
B1504		0.1	1.52	621	87	<1	3	0.08	0.1	13	50	116	3.42	0.05	15	0.47	486	3	<0.01	23	0.05	13	<5	9	0.04	42	14	63
B1505		0.1	1.26	1341	105	<1	3	0.17	0.1	17	42	157	3.22	0.05	19	0.45	694	1	<0.01	27	0.07	10	7	12	0.03	35	<10	66
B1506		0.1	1.47	867	154	2	3	0.15	<0.1	31	42	178	3.55	0.11	35	0.45	1462	3	<0.01	26	0.08	18	5	18	0.03	35	<10	66
B1507		0.1	1.45	1200	142	1	<2	0.38	<0.1	18	34	193	3.51	0.07	33	0.48	539	1	<0.01	32	0.08	13	<5	28	0.02	34	<10	58
B1508		0.3	1.83	861	208	1	3	0.36	<0.1	28	38	243	3.95	0.19	33	0.58	919	<1	<0.01	29	0.10	22	<5	24	0.04	44	<10	70
B1509		0.2	1.53	399	98	<1	<2	0.07	<0.1	13	36	90	3.45	0.08	17	0.35	739	<1	<0.01	20	0.07	13	<5	10	0.02	41	<10	69
B1510		0.3	1.96	665	289	2	6	0.30	<0.1	25	99	227	4.73	0.25	26	1.03	966	3	<0.01	33	0.10	15	7	28	0.08	62	<10	87
B1651		0.3	1.25	500	152	1	<2	0.19	<0.1	20	47	135	4.11	0.13	25	0.43	1311	3	<0.01	31	0.07	23	<5	18	0.04	41	<10	74
B1652		0.6	1.33	435	153	1	<2	0.13	<0.1	22	35	285	4.83	0.16	25	0.32	983	4	0.01	19	0.09	19	<5	40	0.02	32	<10	68
B1652*		0.6	1.34	450	153	1	<2	0.14	<0.1	22	35	289	4.93	0.16	24	0.33	988	<1	0.01	19	0.09	20	<5	41	0.02	33	<10	69
B1653		0.3	1.20	33	142	1	3	0.12	0.1	12	38	107	4.15	0.10	25	0.23	839	2	<0.01	19	0.09	30	<5	20	0.01	34	22	81
B1654		0.4	1.40	95	233	2	3	0.22	0.4	31	36	102	4.32	0.11	31	0.36	3812	3	<0.01	60	0.09	47	<5	24	0.02	35	12	124
B1655		0.2	1.26	42	177	2	6	0.24	0.1	19	37	89	3.80	0.09	23	0.41	1350	2	<0.01	30	0.09	24	<5	23	0.03	37	<10	80
B1656		0.1	1.83	85	212	1	6	0.08	0.2	16	37	45	3.79	0.14	20	0.45	1198	2	0.01	22	0.08	26	<5	27	0.03	41	<10	82
B1657		0.2	1.89	94	224	2	10	0.12	0.3	20	46	114	3.72	0.09	21	0.58	2064	4	<0.01	30	0.08	28	<5	16	0.04	50	<10	94
B1658		0.1	1.71	41	117	<1	8	0.08	0.2	12	39	49	3.43	0.07	16	0.39	727	3	<0.01	22	0.08	22	<5	21	0.03	48	<10	85
B1659		0.1	1.74	125	164	2	11	0.18	0.2	20	59	98	3.72	0.11	22	0.72	1170	2	0.01	31	0.07	42	6	20	0.05	55	11	103
B1660		0.2	2.31	335	113	2	15	0.12	<0.1	9	33	66	5.82	0.07	22	0.33	338	4	0.01	18	0.10	19	<5	76	0.03	36	<10	63
B1661		0.5	1.59	430	132	1	38	0.55	0.7	19	33	143	4.76	0.09	21	0.42	1061	3	0.03	34	0.07	44	5	59	0.04	37	10	193
B1661*		0.3	1.53	421	130	1	36	0.53	0.7	18	33	136	4.64	0.09	21	0.41	1027	3	0.03	32	0.07	44	<5	56	0.04	36	10	187
B1662		0.2	1.82	923	235	2	20	0.47	0.3	25	36	152	4.97	0.13	46	0.36	1245	2	0.01	38	0.09	34	8	52	0.01	32	23	78
B1663		<0.1	2.44	28	663	2	14	0.38	<0.1	19	182	52	5.99	0.48	51	1.53	930	3	<0.01	28	0.12	19	9	51	0.15	94	16	73
B1664		<0.1	1.99	36	381	2	10	0.35	0.2	23	183	38	6.49	0.28	32	1.29	1106	3	<0.01	34	0.13	25	10	32	0.06	86	14	82
B1665		0.1	1.55	77	214	<1	10	0.24	0.6	16	32	47	3.41	0.07	21	0.32	1841	4	0.01	27	0.10	28	<5	19	0.02	34	<10	103
B1666		0.3	3.10	45	146	2	8	0.08	0.4	21	34	38	3.07	0.06	18	0.31	1783	2	<0.01	25	0.14	46	6	13	0.03	35	10	80
B1667		0.2	1.55	268	142	1	13	0.14	0.3	17	33	125	4.06	0.05	29	0.40	428	2	<0.01	34	0.07	33	<5	38	0.03	39	20	76
B1668		0.6	1.72	529	107	1	21	0.25	0.1	22	32	235	4.86	0.07	28	0.50	831	3	0.02	44	0.09	56	<5	43	0.04	38	27	84
B1669		0.1	1.87	240	94	1	10	0.12	0.2	19	34	75	4.34	0.07	18	0.48	867	3	<0.01	38	0.08	44	<5	32	0.03	38	26	89
B1670		0.1	1.50	124	131	1	5	0.31	0.3	17	32	55	4.02	0.06	19	0.39	674	<1	<0.01	33	0.09	32	<5	36	0.02	37	<10	110
B1670*		0.1	1.45	114	121	1	3	0.27	0.2	15	31	50	3.94	0.05	18	0.36	656	3	<0.01	29	0.08	28	<5	30	0.02	34	<10	100
B1671		0.2	2.03	180	132	1	8	0.34	0.3	18	35	69	3.83	0.06	19	0.43	603	3	0.02	36	0.10	57	7	45	0.02	38	20	145
B1672		1.3	2.63	52	100	1	7	1.68	1.9	17	31	64	2.55	0.04	20	0.35	723	2	0.05	39	0.14	228	7	72	0.02	27	12	416
B1673		0.4	2.12	8	112	<1	2	1.37	1.4	14	31	47	2.46	0.08	16	0.50	407	2	0.07	37	0.06	114	<5	94	0.04	31	12	279
B1674		0.3	2.35	15	111	<1	4	1.83	1.1	16	32	46	2.22	0.11	23	0.71	419	2	0.06	34	0.08	92	5	99	0.04	38	<10	231
B1675		0.2	1.87	<5	140	<1	2	0.87	0.8	12	31	25	2.36	0.04	11	0.39	401	2	0.02	30	0.06	56	<5	42	0.03	32	<10	194
B1687		0.5	2.03	880	173	3	20	1.06	0.4	16	27	208	2.47	0.27	34	0.48	484	1	0.02	8	0.08	50	<5	223	0.06	36	<10	82
B1688		2.4	1.17	1608	112	1	44	0.30	0.5	19	29	1849	2.32	0.14	53	0.32	223	14	0.02	13	0.08	122	6	128	0.06	25	14	68
B1689		2.3	1.24	0.98%	151	2	67	0.53	1.2	40	25	408	4.60	0.19	38	0.37	814	8	0.01	9	0.09	148	30	269	0.04	24	27	163
B1690		4.3	1.31	0.53%	192	1	55	0.56	0.8	18	32	1374	3.79	0.38	31	0.72	637	5	<0.01	16	0.10	124	42	114	0.10	42	180	123
STD–P1		0.2	0.96	23	177	<1	4	0.82	0.3	5	101	29	2.02	0.31	8	0.74	533	47	0.06	28	0.07	43	9	73	0.10	31	<10	131
B1691		8.0	1.08	0.63%	156	1	56	0.53	1.2	20	29	2043	4.08	0.28	41	0.52	808	8	0.02	11	0.11	242	49	173	0.06	32	93	171
B1692		1.0	2.04	1467	287	1	24	0.82	0.4	23	38	503	4.32	0.60	25	1.15	578	4	0.03	38	0.15	54	16	148	0.12	74	27	105
B1693		1.1	2.32	969	383	1	10	0.55	<0.1	19	35	484	5.28	0.71	16	1.12	486	7	0.02	33	0.18	49	22	127	0.12	77	17	87
B1694		0.8	2.04	674	428	<1	9	0.39	<0.1	10	48	379	4.98	0.84	16	1.45	243	5	0.02	22	0.15	27	7	59	0.28	92	14	71
B1695		1.4	2.15	1547	108	2	17	0.82	0.2	31	30	483	6.71	0.28	17	0.72	448	4	0.04	44	0.13	73	21	245	0.06	46	13	79
B1696		2.8	2.58	1609	84	2	25	0.53	0.2	38	25	559	9.71	0.13	16	0.45	469	5	0.05	63	0.13	93	35	179	0.02	32	18	124
B1714		0.8	0.84	1213	74	<1	20	0.01	<0.1	4	28	207	8.89	0.10	41	0.09	123	5	<0.01	7	0.10	70	15	14	<0.01	25	<10	72
B1715		0.5	0.43	1022	10	<1	10	<0.01	<0.1	5	27	208	4.97	0.03	15	0.01	124	3	<0.01	10	0.05	35	11	3	<0.01	15	<10	50
B1716		2.0	1.21	292	104	1	21	0.04	<0.1	19	30	126	8.95	0.13	31	0.25	615	5	0.01	23	0.10	323	17	32	<0.01	22	<10	151
B1716*		2.0	1.21	292	105	1	20	0.04	<0.1	20	30	127	9.01	0.13	31	0.25	605	5	0.01	23	0.10	319	19	31	<0.01	23	<10	154

PLACER DOME RESEARCH CENTRE
Geochemical Analysis

Project/Venture: V275 | Geol.: D STRAIN | Date Received: AUG 16, 1991 | Page 2 of 4
Area: LORRIE | Lab Project No.: P1483 | Date Completed: AUG 30, 1991 | Attn: D STRAIN
Remarks: PULPS SHIPPED FROM NAL; THERE WERE VISIBLE ROCKS IN SOME SAMPLES | J KOWALCHUK
Au – 10.0 g sample digested with Aqua Regia and determined by A.A. (D.L. 5 PPB) | E KIMURA
ICP – 0.5 g sample digested with 4 ml Aqua Regia at 100 Deg. C for 2 hours. | R HODGSON
N.B. The major oxide elements and Ba, Be, Cr, La and W are rarely dissolved with this acid dissolution method.

SAMPLE No.	Au ppb	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	Sb ppm	Sr ppm	Ti %	V ppm	W ppm	Zn ppm
B1717		1.3	1.09	1079	80	<1	25	0.01	<0.1	14	32	111	9.04	0.11	29	0.18	368	5	0.02	24	0.09	144	24	36	<0.01	21	22	93
B1718		0.4	1.28	485	85	1	19	0.02	<0.1	7	35	108	8.59	0.18	36	0.26	252	4	0.02	15	0.10	47	19	41	0.01	27	13	75
B1726		1.0	2.06	672	108	<1	29	1.33	1.9	37	28	134	5.40	0.17	19	0.46	783	3	0.05	70	0.13	111	<5	193	0.06	37	15	385
B1727		1.7	2.22	1305	206	1	30	0.79	0.7	45	31	155	7.62	0.31	17	0.82	766	2	0.04	57	0.12	118	<5	145	0.07	50	19	214
B1728		1.0	2.02	1686	108	1	18	2.46	1.4	26	26	110	4.80	0.15	25	0.75	924	<1	0.05	35	0.09	102	<5	183	0.02	36	12	291
B1729		1.2	1.93	0.49%	94	2	64	1.26	0.9	28	27	137	5.95	0.12	26	0.82	525	3	0.09	35	0.10	79	9	218	0.04	32	12	181
B1730		1.2	1.79	0.39%	58	<1	56	1.81	3.5	30	25	112	4.05	0.10	19	0.33	650	2	0.13	45	0.11	104	<5	120	0.04	23	10	713
B1731		0.8	1.80	1401	83	<1	32	2.05	4.2	29	28	116	4.78	0.17	16	0.56	840	5	0.09	56	0.11	93	11	149	0.06	41	12	1053
B1732		0.8	2.05	506	94	1	23	1.86	1.9	28	26	113	5.32	0.14	18	0.51	1051	3	0.09	55	0.11	92	13	159	0.05	36	12	421
B1732*		0.8	1.99	495	93	1	23	1.80	1.7	27	26	116	5.17	0.13	18	0.49	1019	3	0.08	54	0.11	86	9	156	0.05	35	10	418
B1733		4.4	1.52	848	86	1	27	1.09	2.4	30	30	238	5.71	0.06	32	0.51	1392	3	0.04	37	0.11	179	8	94	0.03	36	21	578
B1734		0.7	1.73	180	48	<1	9	2.21	1.9	12	24	40	1.20	0.06	20	0.18	942	<1	0.11	22	0.10	142	6	145	0.04	13	11	444
B1735		0.1	2.59	151	279	2	6	0.20	0.2	18	39	72	5.56	0.14	14	0.60	313	4	0.03	45	0.12	35	<5	166	0.06	53	12	107
B1736		0.2	2.42	47	186	1	4	0.36	0.2	14	40	32	3.46	0.06	12	0.60	358	2	0.01	37	0.07	23	<5	46	0.07	51	<10	109
B1737		<0.1	1.55	17	131	<1	<2	1.19	0.2	12	35	30	2.10	0.06	7	0.50	895	1	0.02	12	0.16	19	<5	50	0.02	36	<10	142
B1738		0.2	1.91	25	109	<1	<2	2.32	0.3	10	32	47	2.13	0.07	9	0.62	382	1	0.08	20	0.10	31	9	98	0.03	32	<10	123
B1739		0.2	1.20	15	100	<1	<2	2.82	0.5	7	25	35	1.22	0.03	6	0.25	587	2	0.03	10	0.11	38	<5	68	0.02	17	<10	189
B1740		0.5	1.45	32	79	<1	5	2.71	1.3	11	29	45	1.68	0.04	14	0.28	531	3	0.05	24	0.13	95	<5	80	0.02	21	<10	290
B1815		1.0	2.07	38	198	1	8	0.27	<0.1	7	42	92	5.64	0.25	12	0.54	242	13	0.10	24	0.22	33	<5	100	0.06	59	<10	94
STD-P1		0.2	1.00	21	184	<1	5	0.83	0.3	6	108	25	2.03	0.32	7	0.77	532	47	0.06	29	0.07	49	<5	78	0.10	32	<10	133
B1816		1.0	2.46	57	155	2	13	0.24	<0.1	15	39	148	7.80	0.32	18	0.65	571	16	0.06	32	0.23	52	5	107	0.05	59	25	159
B1817		0.7	2.30	245	102	3	13	0.30	1.1	37	34	215	9.32	0.13	26	0.55	734	14	0.01	103	0.16	51	19	50	0.04	55	16	372
B1818		0.5	2.26	130	130	2	13	0.25	<0.1	14	34	204	7.54	0.18	12	0.62	460	6	0.02	52	0.13	39	15	139	0.04	45	12	111
B1819		1.0	3.60	147	124	2	15	0.28	0.2	34	42	294	10.29	0.24	11	0.85	902	17	0.02	98	0.31	52	15	74	0.08	133	14	156
B1820		0.7	3.10	120	94	1	14	0.14	<0.1	21	36	362	9.59	0.10	9	0.43	290	18	0.01	33	0.57	57	19	45	0.04	73	14	75
B1821		0.7	3.32	159	122	1	22	0.32	<0.1	18	34	287	12.21	0.14	6	0.48	483	16	0.01	59	0.19	77	33	94	0.06	75	17	115
B1822		0.7	2.72	115	147	1	12	0.22	0.3	31	35	257	8.90	0.08	13	0.42	622	17	0.02	79	0.19	60	25	69	0.05	59	11	153
B1823		0.3	2.18	74	149	1	4	0.57	0.8	20	30	83	4.27	0.04	10	0.44	576	2	0.02	50	0.09	90	<5	110	0.02	39	<10	249
B1824		0.2	2.42	445	159	1	8	0.83	0.2	19	33	106	3.94	0.06	12	0.51	453	3	0.03	45	0.11	29	13	100	0.03	49	<10	85
B1824*		0.2	2.32	443	151	1	8	0.80	0.2	18	33	101	3.81	0.06	11	0.49	443	3	0.03	44	0.11	28	<5	94	0.03	47	<10	80
B1825		0.2	2.26	168	152	1	15	0.84	0.8	15	35	67	2.70	0.06	15	0.38	718	2	0.04	35	0.11	40	<5	55	0.02	34	13	202
B1826		0.3	2.04	178	118	<1	10	1.78	2.5	12	29	38	1.92	0.04	24	0.25	808	3	0.05	24	0.15	44	<5	76	0.01	21	<10	439
B1827		0.3	2.83	356	160	1	18	1.55	6.0	15	30	58	2.23	0.04	23	0.29	1022	2	0.04	32	0.16	48	<5	85	0.02	23	10	1536
B1828		0.1	2.09	16	118	<1	6	1.53	1.1	7	28	19	1.56	0.03	18	0.23	754	2	0.06	15	0.08	54	<5	115	0.02	20	<10	274
B1829		0.4	1.92	181	114	<1	6	1.44	0.9	14	28	40	2.59	0.04	18	0.27	685	1	0.06	22	0.09	83	<5	73	0.02	20	<10	254
B1830		0.3	2.20	91	122	<1	4	0.95	2.5	18	29	35	2.39	0.04	16	0.28	702	<1	0.04	47	0.09	76	<5	59	0.02	20	<10	841
B1831		0.1	2.09	1264	90	<1	14	0.74	1.2	33	28	112	5.16	0.04	14	0.23	649	2	0.04	46	0.11	44	<5	65	0.02	18	<10	306
B1832		0.5	1.52	55	78	<1	7	6.48	2.1	15	22	67	1.39	0.05	18	0.15	674	2	0.14	31	0.10	143	<5	186	0.02	13	13	468
B1852		0.1	2.17	11	179	<1	9	0.17	0.1	11	37	52	3.84	0.13	12	0.87	348	4	0.02	27	0.09	22	<5	33	0.05	58	<10	82
B1852*		0.1	2.20	13	181	<1	8	0.17	0.2	11	37	52	3.88	0.12	11	0.88	351	3	0.02	28	0.09	19	<5	33	0.05	59	<10	82
B1853		0.1	2.04	21	195	<1	6	0.26	0.2	10	38	40	3.40	0.05	11	0.63	528	1	0.01	26	0.08	24	9	31	0.04	54	20	108
B1854		0.4	1.87	33	192	<1	5	0.71	0.4	12	35	56	3.73	0.07	14	0.80	551	2	0.04	32	0.11	33	5	74	0.04	49	14	122
B1855		3.0	1.95	35	143	<1	8	0.84	0.3	12	35	40	2.99	0.06	13	0.82	570	2	0.02	29	0.14	199	8	43	0.03	43	<10	126
B1856		0.4	2.02	47	122	<1	8	0.34	0.3	13	37	54	3.47	0.05	15	0.65	570	2	0.02	33	0.08	36	10	32	0.04	47	<10	123
B1857		0.1	1.96	32	114	<1	6	0.42	0.4	13	36	44	3.25	0.05	15	0.55	569	<1	0.02	32	0.09	30	5	39	0.03	43	<10	118
B1858		0.5	2.24	233	104	1	9	1.31	0.8	20	32	74	2.84	0.03	21	0.36	747	1	0.04	39	0.17	114	9	55	0.02	27	<10	336
B1859		0.1	1.75	62	88	<1	5	1.23	0.5	11	26	44	1.81	0.03	17	0.20	266	<1	0.08	33	0.09	48	9	104	0.02	14	<10	124
B1860		0.2	0.98	37	85	<1	5	1.89	0.8	7	31	27	1.13	0.04	7	0.17	470	<1	0.03	15	0.13	25	<5	58	0.01	15	<10	103
B1861		0.1	1.81	120	109	<1	<2	1.37	0.8	14	28	47	2.17	0.05	19	0.34	312	<1	0.11	37	0.11	46	9	96	0.02	22	<10	161
STD-P1		0.2	0.94	21	184	<1	<2	0.78	0.3	5	102	22	2.03	0.31	6	0.76	530	39	0.06	28	0.07	44	6	74	0.09	30	<10	132

PLACER DOME RESEARCH CENTRE
Geochemical Analysis

Project/Venture: V275 | Geol.: D STRAIN | Date Received: AUG 16, 1991 | Page 3 of 4
Area: LORRIE | Lab Project No.: P1483 | Date Completed: AUG 30, 1991 | Attn: D STRAIN
Remarks: PULPS SHIPPED FROM NAL; THERE WERE VISIBLE ROCKS IN SOME SAMPLES | J KOWALCHUK
Au – 10.0 g sample digested with Aqua Regia and determined by A.A. (D.L. 5 PPB) | E KIMURA
ICP – 0.5 g sample digested with 4 ml Aqua Regia at 100 Deg. C for 2 hours. | R HODGSON
N.B. The major oxide elements and Ba, Be, Cr, La and W are rarely dissolved with this acid dissolution method.

SAMPLE No.	Au ppb	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	Sb ppm	Sr ppm	Ti %	V ppm	W ppm	Zn ppm
B1862		0.3	0.78	14	78	<1	4	1.81	0.4	7	25	22	0.98	0.07	4	0.21	375	<1	0.03	11	0.15	11	7	58	0.01	15	20	104
B1863		0.2	3.51	20	187	1	13	2.28	<0.1	10	37	32	2.76	0.19	12	1.80	333	3	0.25	23	0.09	10	5	194	0.07	58	17	73
B1864		0.5	3.42	28	95	2	14	1.57	0.4	18	33	56	4.53	0.30	10	1.98	591	6	0.22	39	0.11	17	5	268	0.11	124	15	170
B1865		0.5	3.45	24	154	2	13	1.03	0.2	18	36	57	4.27	0.18	8	2.06	489	6	0.10	43	0.10	14	10	176	0.10	133	12	147
B1866		0.3	3.68	24	110	1	12	4.11	0.2	13	30	37	3.22	0.28	10	2.54	812	2	0.27	26	0.10	9	8	299	0.10	112	16	108
B1867		0.3	3.28	26	122	2	12	2.01	0.3	14	31	41	3.53	0.28	8	2.00	524	4	0.27	31	0.09	12	<5	239	0.08	100	14	117
B1868		0.3	2.35	11	131	<1	7	0.48	0.1	11	38	29	3.34	0.07	7	1.42	447	3	0.03	23	0.09	13	<5	79	0.06	92	<10	93
B1974		1.4	1.49	403	152	1	8	0.12	0.2	24	33	417	4.46	0.10	19	0.44	646	6	0.01	39	0.09	40	6	30	0.04	33	30	94
B1975		1.2	1.59	224	96	<1	6	0.07	<0.1	16	33	179	3.46	0.06	14	0.37	714	3	<0.01	27	0.07	30	<5	11	0.02	32	13	79
B1975*		1.2	1.63	232	97	<1	8	0.07	<0.1	17	34	182	3.54	0.07	14	0.38	733	3	<0.01	27	0.07	31	<5	10	0.02	33	13	81
B3684		0.3	2.02	24	279	<1	6	0.63	0.1	14	36	47	3.74	0.12	13	1.16	635	3	0.01	34	0.08	13	<5	52	0.04	61	21	102
B3685		0.2	1.47	17	167	<1	3	0.33	0.1	15	33	38	3.68	0.09	13	0.83	600	4	<0.01	37	0.09	12	7	35	0.04	47	11	116
B3686		0.2	1.80	9	186	<1	5	0.27	0.2	11	32	28	3.35	0.06	15	0.81	604	2	<0.01	25	0.09	13	7	22	0.02	43	<10	104
B3687		0.2	1.61	12	165	<1	5	0.09	0.1	13	32	28	4.22	0.05	16	0.81	793	4	<0.01	23	0.09	18	10	11	0.02	50	<10	105
B3688		0.2	1.85	15	131	<1	5	0.07	0.2	6	38	21	3.40	0.04	11	0.43	412	2	<0.01	16	0.08	14	<5	11	0.02	46	<10	91
B4101		0.7	1.31	217	98	<1	4	0.10	0.1	12	34	131	3.05	0.07	16	0.34	423	4	<0.01	26	0.06	23	<5	11	0.02	31	14	72
B4102		0.4	1.82	276	141	<1	6	0.12	0.2	17	35	94	3.78	0.08	18	0.46	666	3	<0.01	33	0.09	24	<5	20	0.03	35	14	86
B4103		0.3	2.41	102	167	2	10	0.07	0.2	23	36	86	4.14	0.13	19	0.41	1290	4	<0.01	28	0.09	36	<5	16	0.03	35	14	91
B4104		0.2	1.54	94	135	<1	9	0.10	0.1	18	34	91	3.57	0.10	18	0.41	625	3	<0.01	35	0.06	26	<5	17	0.03	31	<10	91
B4104*		0.2	1.53	89	133	<1	6	0.10	0.2	18	34	89	3.52	0.10	17	0.41	612	3	<0.01	34	0.06	23	5	17	0.03	31	14	90
B4105		1.6	1.74	379	171	2	15	0.24	0.4	22	42	453	4.03	0.13	43	0.57	544	4	0.01	33	0.09	37	<5	69	0.06	48	47	126
B4106		0.4	0.84	253	118	2	12	0.25	0.4	15	31	139	4.13	0.09	38	0.33	722	3	<0.01	18	0.07	39	10	21	0.02	37	<10	101
B4107		0.6	1.90	638	172	2	20	0.36	0.4	26	45	188	4.39	0.15	34	0.60	816	6	0.01	32	0.13	54	12	34	0.08	62	23	114
B4108		0.6	1.78	588	223	1	17	0.35	0.8	33	39	299	3.74	0.17	23	0.60	668	5	0.02	41	0.12	46	9	51	0.09	57	20	148
B4109		0.6	1.86	215	97	1	16	0.07	0.3	29	38	117	4.12	0.11	23	0.49	897	3	0.01	46	0.07	50	<5	17	0.04	42	36	114
B4110		0.5	2.00	716	109	1	21	0.09	0.3	31	38	121	5.65	0.14	22	0.51	843	4	0.01	41	0.12	54	9	25	0.05	42	22	126
B4111		0.3	1.90	729	163	2	16	0.10	0.4	24	41	64	5.68	0.19	31	0.57	589	7	0.02	36	0.11	136	84	32	0.05	45	<10	126
B4112		0.5	1.30	293	91	3	12	0.64	0.4	18	36	59	4.01	0.23	70	0.48	965	6	<0.01	16	0.12	43	8	70	0.05	46	20	117
B4113		1.9	1.43	654	113	2	13	0.60	0.4	22	35	351	3.71	0.30	46	0.53	770	6	0.01	19	0.09	51	12	141	0.06	36	36	109
STD-P1		0.2	0.98	21	184	<1	18	0.78	0.3	6	103	25	1.92	0.32	8	0.74	545	48	0.06	28	0.07	42	6	76	0.10	31	<10	130
B4114		4.4	0.84	605	90	1	14	0.31	0.7	27	31	659	4.01	0.14	40	0.31	909	6	<0.01	24	0.09	76	<5	48	0.03	29	99	129
B4115		6.0	0.93	755	96	1	12	0.33	0.5	29	28	690	4.25	0.15	35	0.30	945	8	<0.01	26	0.08	77	<5	60	0.02	23	108	138
B4116		6.0	0.93	675	105	1	11	0.34	0.4	30	29	853	4.76	0.14	34	0.33	984	7	<0.01	30	0.08	67	<5	29	0.02	24	127	138
B4117		2.8	1.24	468	131	2	13	0.72	0.6	29	35	395	6.38	0.18	37	0.48	1672	4	0.01	38	0.15	93	<5	63	0.05	51	35	201
B4118		1.6	1.44	425	130	2	13	0.76	1.3	30	40	193	6.50	0.22	44	0.49	1635	3	0.01	33	0.22	154	<5	67	0.09	76	19	303
B4119		1.7	1.41	789	134	2	15	0.84	1.3	25	39	192	7.09	0.20	44	0.60	1759	4	0.02	27	0.17	169	<5	69	0.12	77	14	338
B4120		0.9	1.24	422	115	2	12	0.95	0.9	27	40	123	6.00	0.19	45	0.49	1713	4	0.01	31	0.22	83	9	70	0.07	68	<10	228
B4121		0.7	1.81	774	183	2	13	0.46	0.4	34	46	208	5.30	0.43	37	0.87	832	6	0.02	30	0.12	61	<5	91	0.15	67	<10	131
B4122		0.5	1.62	573	168	2	11	0.54	0.4	26	48	143	4.34	0.40	38	0.82	776	3	0.01	33	0.12	61	<5	109	0.13	63	13	106
B4122*		0.5	1.64	581	167	2	10	0.55	0.3	27	43	142	4.40	0.41	36	0.83	786	4	0.01	27	0.12	57	<5	109	0.13	63	<10	110
B4123		1.1	1.90	1296	421	2	13	0.45	0.7	41	52	240	4.98	0.37	47	0.82	865	8	0.03	53	0.13	75	21	92	0.14	84	31	136
B4124		1.0	1.66	804	154	1	13	0.37	0.5	42	75	319	4.98	0.44	33	0.74	776	11	0.03	74	0.13	50	13	56	0.13	63	36	105
B4170		0.4	2.02	856	298	2	18	0.40	0.2	41	50	275	6.60	0.54	30	1.06	998	7	0.01	89	0.16	22	10	46	0.10	77	14	92
B4171		0.4	0.82	1744	86	<1	18	0.08	0.3	19	30	191	3.49	0.12	23	0.18	610	4	0.01	18	0.04	48	16	24	<0.01	16	<10	44
B4172		0.6	0.86	0.25%	95	<1	22	0.10	0.3	24	29	328	3.86	0.12	26	0.20	931	4	<0.01	23	0.04	42	12	30	<0.01	16	<10	49
B4173		0.5	0.80	1247	68	<1	12	0.09	<0.1	19	31	196	2.94	0.08	19	0.22	575	5	<0.01	20	0.04	32	11	36	<0.01	14	11	35
B4174		0.7	0.96	1533	78	<1	13	0.10	0.2	21	31	304	4.17	0.10	29	0.26	515	4	<0.01	21	0.05	40	13	31	0.01	20	10	54
B4189		0.5	3.78	66	186	2	17	1.09	0.8	33	36	103	6.80	0.35	21	1.52	1108	5	0.27	72	0.15	23	12	192	0.12	128	13	254
B4190		0.4	2.11	17	142	1	14	0.98	0.5	33	44	86	4.90	0.14	16	0.65	1257	4	0.10	68	0.12	39	7	135	0.06	40	<10	128
B4190*		0.3	2.11	20	141	1	10	0.99	0.5	34	32	86	4.91	0.14	15	0.64	1268	2	0.10	55	0.12	41	15	135	0.06	39	<10	125

PLACER DOME RESEARCH CENTRE
Geochemical Analysis

Project/Venture: V275 | Geol.: D STRAIN | Date Received: AUG 16, 1991 | Page 4 of 4
Area: LORRIE | Lab Project No.: P1483 | Date Completed: AUG 30, 1991 | Attn: D STRAIN
Remarks: PULPS SHIPPED FROM NAL; THERE WERE VISIBLE ROCKS IN SOME SAMPLES | J KOWALCHUK
Au – 10.0 g sample digested with Aqua Regia and determined by A.A. (D.L. 5 PPB) | E KIMURA
ICP – 0.5 g sample digested with 4 ml Aqua Regia at 100 Deg. C for 2 hours. | R HODGSON
N.B. The major oxide elements and Ba, Be, Cr, La and W are rarely dissolved with this acid dissolution method.

SAMPLE No.	Au ppb	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	Sb ppm	Sr ppm	Ti %	V ppm	W ppm	Zn ppm
B4191		0.1	2.26	37	118	1	11	0.73	0.7	27	33	58	4.71	0.05	16	0.30	852	4	0.02	39	0.16	28	6	52	0.03	42	19	150
B4192		0.1	2.74	37	139	1	8	0.53	0.3	18	38	37	3.88	0.07	14	0.59	756	3	0.01	30	0.13	27	6	38	0.04	50	13	123
B4220		0.1	1.87	45	112	2	10	0.11	0.1	28	37	80	4.51	0.08	21	0.52	1704	2	<0.01	42	0.10	14	12	17	0.05	45	10	100
B4221		0.4	1.28	122	317	1	6	0.25	<0.1	25	103	100	5.51	0.28	32	0.87	820	3	<0.01	37	0.13	25	<5	34	0.07	54	<10	86
B4222		<0.1	1.88	722	145	1	10	0.16	0.2	38	40	121	4.80	0.16	24	0.53	2181	2	0.01	36	0.13	24	<5	19	0.06	46	<10	96
B4223		0.3	1.72	293	117	1	6	0.10	0.1	18	42	148	3.71	0.10	18	0.48	1208	2	<0.01	27	0.11	14	<5	12	0.04	46	<10	92
B4224		0.2	1.31	67	130	1	7	0.08	<0.1	22	33	53	4.74	0.09	29	0.27	593	4	<0.01	28	0.09	28	<5	34	0.02	32	<10	82
B4225		0.1	1.36	172	93	<1	7	0.07	0.2	18	35	64	3.78	0.05	14	0.32	742	2	<0.01	29	0.06	17	<5	21	0.03	38	<10	78
B4226		0.7	2.31	583	122	1	11	0.07	0.2	20	54	136	6.38	0.25	19	0.80	982	4	<0.01	24	0.10	35	<5	19	0.06	71	13	118
B4226*		0.7	2.31	611	122	1	15	0.07	0.2	19	55	138	6.45	0.25	19	0.82	947	2	<0.01	24	0.10	38	<5	19	0.06	71	13	120
B4227		0.3	1.44	59	78	<1	11	0.06	0.1	10	38	96	3.67	0.09	15	0.39	489	2	<0.01	25	0.06	18	6	10	0.04	47	12	76
B4228		0.3	1.28	265	139	2	17	0.10	0.3	25	44	105	5.06	0.15	28	0.45	1119	3	<0.01	41	0.09	25	10	19	0.04	41	12	92
B4229		<0.1	2.01	49	141	2	19	0.10	0.8	26	41	59	4.07	0.11	26	0.55	1933	3	0.01	41	0.10	26	14	14	0.06	51	11	117
B4230		0.1	1.78	44	112	2	21	0.07	0.5	23	43	56	4.42	0.11	26	0.50	1013	3	0.01	37	0.09	31	16	20	0.05	42	12	124
B4231		0.2	1.55	143	103	1	32	0.13	0.5	18	42	69	4.80	0.10	29	0.48	747	4	0.02	34	0.10	36	18	22	0.05	50	11	110
B4231*		0.2	1.57	143	104	1	27	0.15	0.5	19	48	68	4.83	0.10	29	0.48	750	2	0.02	39	0.11	34	16	22	0.06	50	10	111

PLACER DOME RESEARCH CENTRE
Geochemical Analysis

Project/Venture: V275 | Geol.: D STRAIN | Date Received: SEPT 5, 1991 | Page 1 of 3
Area: LORRIE | Lab Project No.: P1529 | Date Completed: OCT 8, 1991 | Attn: D STRAIN, J KOWALCHUK, E KIMURA, R HODGSON
Remarks:
Au – 10.0 g sample digested with Aqua Regia and determined by A.A. (D.L. 5 PPB)
ICP – 0.5 g sample digested with 4 ml Aqua Regia at 100 Deg. C for 2 hours.
N.B. The major oxide elements and Ba, Be, Cr, La and W are rarely dissolved with this acid dissolution method.

SAMPLE No.	Au ppb	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	Sb ppm	Sr ppm	Ti %	V ppm	W ppm	Zn ppm
1962		0.5	4.29	59	150	2	<2	1.67	1.1	37	44	117	6.75	0.24	21	2.39	1205	6	0.20	82	0.12	68	<5	219	0.12	139	<10	367
1964		0.5	3.60	54	157	2	<2	1.56	0.7	26	35	89	5.95	0.17	20	1.42	732	4	0.17	59	0.15	100	<5	188	0.09	90	<10	363
4175		0.8	1.26	1935	99	1	<2	0.13	0.3	29	14	430	5.24	0.12	35	0.29	718	3	0.01	26	0.07	59	<5	38	0.01	24	<10	72
4219		<0.1	1.70	110	126	3	<2	0.15	0.2	29	27	103	4.21	0.10	22	0.63	2900	3	0.01	43	0.09	23	<5	21	0.07	46	<10	112
4232		<0.1	1.52	86	139	1	<2	0.18	0.5	14	28	52	4.81	0.08	27	0.48	693	2	0.01	35	0.11	29	<5	33	0.06	51	<10	107
4233		0.1	3.13	86	138	1	<2	0.16	0.4	21	34	54	4.45	0.11	20	0.63	1188	3	0.01	39	0.16	51	<5	26	0.05	54	<10	136
4234		0.6	3.57	131	236	3	<2	0.23	0.7	71	43	145	6.01	0.22	23	0.89	3191	4	0.03	73	0.22	65	<5	47	0.08	63	<10	201
4235		0.1	2.25	85	129	<1	<2	0.09	0.2	10	32	37	4.29	0.08	18	0.57	444	1	0.01	27	0.11	25	<5	25	0.05	52	<10	98
4236		0.2	1.54	<5	81	<1	<2	0.07	<0.1	6	24	21	3.67	0.05	11	0.30	392	2	<0.01	18	0.11	15	<5	13	0.03	51	<10	80
4236*		0.3	1.59	<5	78	<1	<2	0.07	0.1	6	25	22	3.79	0.05	11	0.31	409	2	<0.01	18	0.12	16	<5	13	0.03	52	<10	82
4237		0.2	2.01	18	105	1	<2	0.11	0.4	15	30	35	3.92	0.08	15	0.54	704	2	<0.01	26	0.10	25	<5	17	0.05	55	<10	102
4238		<0.1	1.72	20	90	1	<2	0.09	0.2	18	30	50	5.17	0.07	21	0.47	942	2	0.01	30	0.13	29	<5	19	0.03	48	<10	107
4239		0.1	1.89	17	95	1	2	0.11	0.3	22	30	40	4.23	0.07	21	0.55	837	1	<0.01	36	0.10	24	<5	15	0.04	50	<10	113
4240		0.1	1.61	<5	102	<1	2	0.09	0.2	9	25	26	3.75	0.07	15	0.38	427	3	<0.01	24	0.08	31	<5	18	0.03	47	<10	83
4241		0.3	1.47	42	101	1	9	0.14	0.3	13	23	35	3.93	0.09	22	0.41	625	<1	0.01	31	0.09	35	<5	17	0.03	40	<10	93
4242		0.2	1.72	24	94	1	6	0.13	0.2	23	30	60	4.96	0.09	29	0.63	882	3	0.01	44	0.11	35	6	21	0.05	48	<10	130
4243		0.1	1.34	31	82	<1	4	0.09	0.3	20	20	39	3.73	0.07	24	0.34	700	<1	<0.01	48	0.07	28	<5	18	0.04	36	<10	95
4244		0.5	1.93	279	132	2	11	0.14	0.3	22	25	120	4.97	0.15	25	0.54	633	3	0.02	40	0.11	52	12	40	0.05	43	<10	102
4245		1.2	1.28	945	143	1	41	0.13	0.3	28	20	151	5.19	0.18	30	0.41	1014	1	0.02	38	0.10	93	34	30	0.03	35	<10	102
STD-P1		0.3	1.09	21	201	<1	<2	0.94	0.5	6	115	26	2.20	0.37	8	0.86	567	55	0.07	34	0.08	55	<5	87	0.11	34	<10	156
4246		0.1	1.67	102	120	1	3	0.20	0.3	15	23	67	3.94	0.09	22	0.41	533	1	0.01	34	0.09	35	<5	33	0.04	40	46	98
4247		0.8	0.72	477	158	<1	20	0.06	0.4	25	9	150	8.92	0.10	37	0.14	1222	<1	<0.01	45	0.09	86	28	94	<0.01	17	<10	107
4248		2.2	0.94	1588	95	<1	30	0.02	<0.1	6	14	241	8.70	0.13	34	0.18	253	<1	0.01	16	0.10	221	20	24	0.01	21	14	90
4249		0.9	1.45	1389	131	1	27	0.03	0.1	7	21	165	9.79	0.22	46	0.32	290	2	0.02	23	0.12	96	23	45	0.02	29	<10	87
4250		7.0	1.57	0.61%	202	3	30	0.22	0.8	121	15	1731	8.23	0.32	53	0.55	4070	2	0.01	80	0.08	71	28	49	0.03	30	280	174
4251		1.7	2.08	0.41%	179	4	23	0.14	0.7	109	20	802	8.04	0.35	45	0.67	3579	3	0.02	73	0.09	84	15	73	0.04	34	82	181
4252		0.9	1.71	3088	185	3	26	0.11	0.7	88	19	622	7.95	0.28	44	0.52	2961	<1	0.01	72	0.09	76	9	51	0.03	30	38	171
4253		0.6	1.11	2373	129	2	19	0.03	0.1	36	13	271	7.87	0.18	40	0.25	1267	1	0.01	31	0.08	82	10	27	0.01	20	<10	89
4254		0.9	1.26	2871	121	1	16	0.05	0.1	32	14	262	8.51	0.17	41	0.28	1220	2	0.01	28	0.10	96	11	34	0.02	23	<10	92
4254*		0.8	1.21	2720	116	1	13	0.05	0.1	31	13	250	8.23	0.16	39	0.27	1176	3	0.01	27	0.09	95	11	33	0.02	22	<10	88
4255		6.0	0.97	2488	86	<1	32	0.04	0.3	15	19	378	10.19	0.14	37	0.20	522	<1	0.01	21	0.14	570	29	20	0.01	29	<10	229
4256		5.2	1.12	2153	124	1	65	0.06	0.2	17	15	215	8.91	0.17	39	0.22	601	2	0.01	22	0.10	387	32	39	0.01	23	<10	97
4257		10.0	2.02	0.32%	108	3	628	0.17	1.2	200	13	2604	12.20	0.12	88	0.48	5462	7	0.01	84	0.12	174	56	34	0.02	23	<10	194
4258		0.5	1.88	258	135	2	24	0.12	0.2	18	25	142	9.62	0.17	36	0.44	401	2	0.04	56	0.22	77	27	113	0.03	33	<10	108
4259		0.7	1.96	927	139	2	31	0.08	0.3	17	22	166	11.22	0.28	31	0.51	377	2	0.04	43	0.15	69	40	123	0.02	28	<10	78
4260		0.4	1.99	360	107	2	31	0.13	0.4	10	23	189	13.85	0.32	22	0.50	253	2	0.03	30	0.15	75	59	116	0.02	30	<10	75
4261		0.9	2.12	1399	111	5	26	0.37	1.3	62	18	260	9.00	0.28	47	0.56	2002	2	0.04	124	0.10	88	23	113	0.03	26	25	205
4262		1.0	1.57	852	85	3	39	0.13	0.5	37	16	245	9.40	0.20	38	0.46	933	1	0.02	55	0.09	76	20	43	0.02	22	45	133
4263		0.9	2.04	463	75	2	25	0.12	0.3	10	23	167	10.40	0.13	29	0.52	310	1	0.02	39	0.15	68	17	62	0.03	34	<10	117
4263*		0.9	1.95	439	70	2	24	0.12	0.3	10	22	160	10.15	0.12	28	0.50	298	2	0.02	37	0.14	64	16	60	0.03	32	<10	114
4264		0.8	2.04	341	88	2	10	0.13	0.4	12	24	153	9.04	0.16	27	0.53	342	<1	0.02	40	0.14	66	<5	46	0.04	36	<10	105
4265		3.5	1.51	1700	103	2	55	4.00	1.2	29	15	213	7.15	0.10	34	0.46	1652	<1	0.03	55	0.10	479	21	104	0.03	28	11	215
4266		3.7	1.32	2611	78	1	39	6.94	1.8	36	9	338	6.41	0.09	23	0.33	1635	<1	0.03	46	0.08	420	10	155	0.02	21	34	199
4267		2.2	1.89	0.37%	99	1	39	0.18	0.4	15	24	341	10.62	0.20	25	0.49	571	<1	0.01	30	0.12	206	18	76	0.04	29	<10	110
4268		2.0	1.66	0.36%	74	1	22	0.13	0.4	9	21	340	10.47	0.14	22	0.46	336	<1	0.01	26	0.12	181	9	57	0.04	30	13	80
4269		1.8	1.73	1414	103	1	18	0.15	0.4	24	22	270	6.59	0.17	31	0.55	1202	<1	0.02	35	0.13	107	5	31	0.04	36	<10	99
4270		1.7	1.07	2499	115	2	10	0.03	0.4	73	19	396	8.88	0.13	44	0.25	3441	<1	<0.01	40	0.13	69	<5	20	<0.01	32	<10	131
4271		0.6	1.28	1442	132	1	2	0.10	0.3	22	23	155	5.65	0.12	36	0.38	990	<1	0.01	36	0.10	52	<5	24	0.02	38	<10	90
4272		0.3	1.42	2441	111	1	21	0.12	0.4	26	22	262	6.62	0.10	33	0.33	1404	<1	0.01	30	0.11	54	<5	24	0.02	34	<10	93
4272*		0.3	1.41	2506	113	1	20	0.12	0.4	27	22	283	6.65	0.11	32	0.33	1407	<1	0.01	30	0.11	53	8	24	0.02	34	<10	92

PLACER DOME RESEARCH CENTRE
Geochemical Analysis

Project/Venture: V275 | Geol.: D STRAIN | Date Received: SEPT 5, 1991 | Page 2 of 3
Area: LORRIE | Lab Project No.: P1529 | Date Completed: OCT 8, 1991 | Attn: D STRAIN, J KOWALCHUK, E KIMURA, R HODGSON
Remarks:
Au – 10.0 g sample digested with Aqua Regia and determined by A.A. (D.L. 5 PPB)
ICP – 0.5 g sample digested with 4 ml Aqua Regia at 100 Deg. C for 2 hours.
N.B. The major oxide elements and Ba, Be, Cr, La and W are rarely dissolved with this acid dissolution method.

SAMPLE No.	Au ppb	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	Sb ppm	Sr ppm	Tl %	V ppm	W ppm	Zn ppm
4273		0.4	1.31	439	72	<1	<2	0.04	0.1	14	21	196	6.85	0.08	24	0.31	447	2	<0.01	30	0.09	42	<5	14	0.02	37	<10	75
4274		0.5	1.35	376	66	<1	<2	0.07	0.2	19	19	203	4.30	0.06	22	0.34	584	1	<0.01	39	0.07	33	<5	15	0.03	34	<10	85
4275		0.4	1.80	265	50	<1	<2	0.05	0.1	9	17	266	4.59	0.12	18	0.42	278	2	<0.01	22	0.07	25	<5	13	0.03	30	<10	60
4276		3.1	1.85	2723	132	2	24	0.30	1.2	57	25	503	7.46	0.22	40	0.64	2004	2	0.02	40	0.15	376	190	68	0.06	51	<10	243
4277		0.7	2.74	2244	183	2	9	0.24	0.3	30	30	294	9.51	0.32	30	0.75	876	3	0.03	47	0.16	50	9	137	0.07	52	<10	119
4278		0.6	2.17	1539	149	1	13	0.13	0.4	13	28	151	10.90	0.28	23	0.72	478	1	0.02	30	0.14	52	12	54	0.07	46	<10	77
4279		0.2	2.28	583	92	1	<2	0.12	0.1	14	31	63	5.06	0.08	20	0.83	449	1	0.01	32	0.10	35	<5	20	0.05	52	<10	97
9500E-10025N		0.6	2.74	376	257	1	4	0.35	1.0	16	32	82	3.48	0.07	23	0.73	595	1	0.02	42	0.11	90	14	59	0.07	65	<10	189
9500E-10050N		1.1	2.70	738	300	1	8	0.63	1.7	19	33	107	4.06	0.13	31	0.95	895	3	0.03	43	0.14	194	57	111	0.08	67	<10	290
9500E-10050N*		1.1	2.42	670	266	1	4	0.57	1.6	17	30	97	3.71	0.11	29	0.85	796	3	0.03	39	0.12	175	53	96	0.07	62	<10	264
9500E-10075N		2.9	1.99	686	209	1	4	0.47	1.2	14	26	68	4.19	0.08	28	0.63	850	<1	0.02	27	0.14	544	277	56	0.05	53	<10	291
9500E-10100N		1.7	1.75	471	217	1	<2	0.79	1.7	12	22	58	3.11	0.12	30	0.64	695	<1	0.04	23	0.12	370	198	103	0.05	43	<10	226
9500E-10125N		2.7	1.72	560	244	1	<2	0.75	2.2	14	22	69	3.54	0.15	30	0.70	873	<1	0.04	26	0.11	502	280	103	0.06	47	<10	262
9500E-10150N		2.7	1.82	648	243	1	2	0.89	2.2	14	24	70	3.69	0.13	33	0.69	848	<1	0.04	28	0.13	566	320	107	0.05	49	<10	271
9500E-10200N		3.1	2.70	954	271	2	11	0.78	1.4	16	33	104	4.34	0.10	38	0.98	861	<1	0.04	34	0.13	537	277	95	0.07	63	<10	324
9750E-9800N		8.0	1.21	1768	227	1	16	0.57	1.5	22	24	374	4.28	0.12	46	0.42	732	2	0.01	38	0.16	376	46	54	0.04	60	<10	175
9750E-9850N		14.0	1.76	2253	196	2	29	0.67	2.9	25	27	242	4.50	0.08	55	0.53	923	<1	0.02	37	0.17	1167	120	61	0.03	57	<10	379
9750E-9875N		6.0	2.62	0.32%	265	2	68	0.67	1.5	26	47	833	5.87	0.07	44	1.02	700	1	0.02	58	0.18	352	71	75	0.02	82	<10	251
9750E-9900N		7.0	1.81	858	256	1	20	0.42	2.9	25	29	175	4.86	0.10	42	0.63	1041	3	0.01	45	0.15	1057	163	54	0.03	66	<10	431
STD-P1		0.3	1.11	19	209	<1	<2	0.93	0.5	7	117	25	2.31	0.37	8	0.87	608	51	0.07	35	0.08	62	<5	88	0.11	36	<10	156
9750E-9925N		5.1	1.79	335	244	1	4	0.54	5.1	17	96	114	4.30	0.06	33	0.74	796	2	0.01	75	0.14	724	153	76	0.04	64	<10	877
9750E-9950N		12.0	2.11	413	418	2	4	0.87	4.1	21	29	135	5.18	0.09	30	1.05	1523	2	0.02	47	0.14	2023	179	72	0.03	71	<10	560
9750E-10025N		1.0	1.62	952	255	1	4	0.57	1.8	19	28	108	4.18	0.12	36	0.66	1188	3	0.02	35	0.13	171	24	71	0.06	58	<10	248
9750E-10050N		1.5	1.36	416	238	1	<2	0.48	2.3	17	29	84	4.77	0.10	38	0.80	1671	1	0.02	33	0.14	280	56	52	0.06	64	<10	290
9750E-10100N		0.4	2.05	588	237	1	4	0.38	0.5	17	31	107	3.63	0.10	21	0.92	503	4	0.02	45	0.09	39	8	76	0.07	64	<10	121
9750E-10125N		0.4	2.41	323	263	1	<2	0.37	0.8	20	33	72	3.96	0.09	19	0.88	614	3	0.02	44	0.11	44	<5	72	0.08	74	<10	170
9750E-10150N		0.8	2.74	509	214	1	7	0.55	1.2	17	31	79	3.39	0.07	23	0.77	502	3	0.02	45	0.12	181	6	73	0.06	58	<10	389
9750E-10175N		0.2	2.07	640	176	<1	5	0.29	0.6	16	30	70	3.05	0.07	18	0.71	425	1	0.02	35	0.08	77	9	41	0.07	53	<10	159
9750E-10200N		0.4	2.15	594	201	1	4	0.40	0.8	14	30	65	3.38	0.05	19	0.81	505	4	0.02	37	0.08	136	14	91	0.05	56	<10	189
9750E-10200N*		0.4	2.15	581	197	1	3	0.40	0.8	14	30	64	3.31	0.05	19	0.80	494	3	0.02	37	0.08	136	17	85	0.05	56	<10	188
9750E-10225N		1.4	2.19	872	260	1	11	0.69	1.5	17	29	112	3.46	0.11	30	0.83	726	4	0.03	37	0.12	157	46	121	0.07	61	<10	228
9750E-10250N		0.3	2.42	202	210	1	3	0.76	1.1	16	26	63	3.08	0.06	24	0.59	633	2	0.03	46	0.14	47	<5	83	0.05	54	<10	172
9750E-10275N		0.6	2.22	29	185	<1	<2	0.45	1.7	14	26	42	3.06	0.04	20	0.65	826	1	0.02	38	0.10	265	13	46	0.04	52	<10	276
9750E-10300N		0.2	1.97	31	164	<1	3	0.32	0.8	15	41	49	3.17	0.07	15	0.78	581	3	0.02	49	0.09	45	<5	36	0.07	128	<10	154
10000N-9650E		0.9	1.83	782	256	1	4	0.52	1.9	19	29	108	4.24	0.13	34	0.71	1230	2	0.03	35	0.14	190	24	74	0.06	58	<10	239
10000N-9750E		0.8	1.81	937	252	1	6	0.54	2.3	20	28	108	4.57	0.12	37	0.87	1270	2	0.02	34	0.14	193	30	73	0.05	58	<10	290
10000N-9800E		0.8	2.36	580	301	1	14	0.42	1.2	30	34	150	4.00	0.10	23	0.82	1691	2	0.03	46	0.17	100	6	70	0.05	66	<10	159
10000N-9850E		0.3	2.86	371	295	1	12	0.25	0.5	17	35	97	3.75	0.07	17	0.74	824	4	0.02	34	0.21	52	<5	53	0.03	66	<10	97
10000N-9900E		0.4	2.59	312	293	2	3	0.39	0.8	22	32	112	4.34	0.08	21	0.80	1068	3	0.02	50	0.18	47	<5	74	0.04	67	<10	114
10000N-9900E*		0.4	2.58	296	290	2	3	0.38	0.8	22	32	112	4.33	0.08	20	0.79	1062	4	0.02	50	0.18	47	<5	71	0.04	66	<10	115
10000N-9950E		1.1	2.65	84	495	2	<2	0.63	0.9	29	29	120	4.58	0.08	24	1.40	785	3	0.02	63	0.13	134	32	117	0.02	63	<10	129
10000N-10050E		1.5	2.63	128	715	2	4	1.02	1.8	30	46	147	4.92	0.11	34	2.55	1413	4	0.02	62	0.18	191	38	126	0.02	81	<10	195
10000N-10100E		1.4	2.15	136	529	2	2	1.30	1.8	33	220	126	5.06	0.30	44	2.33	1397	2	0.02	120	0.17	146	31	218	0.07	87	<10	247
10000N-10150E		3.8	1.98	219	334	3	5	1.14	7.6	36	199	166	6.18	0.19	48	1.64	1920	3	0.02	139	0.16	506	70	144	0.05	88	<10	866
10000N-10200E		2.6	3.45	117	277	3	4	0.89	2.0	38	44	121	4.74	0.09	30	1.15	1293	1	0.01	88	0.16	180	28	236	0.02	63	<10	334
10000N-10250E		10.0	2.00	639	392	2	11	0.73	5.8	30	78	152	5.04	0.15	35	1.26	1283	2	0.02	69	0.16	1227	116	112	0.03	80	<10	762
10000N-10500E		3.6	2.00	970	167	1	7	0.68	2.8	19	31	110	3.53	0.06	22	0.62	589	2	0.03	44	0.13	556	78	61	0.03	47	<10	397
10250E-9925N		9.0	2.02	0.50%	285	2	62	1.03	1.8	46	28	1375	5.13	0.15	30	1.25	1056	3	0.02	69	0.14	224	75	135	0.01	62	<10	201
10250E-9950N		0.5	2.63	101	301	2	2	0.99	0.4	20	27	68	3.74	0.05	25	0.66	1106	2	0.03	44	0.13	42	10	195	0.03	78	<10	89
10250E-9950N*		0.5	2.62	99	299	2	3	0.99	0.4	20	27	65	3.79	0.05	25	0.66	1105	2	0.03	44	0.13	41	<5	194	0.03	77	<10	87

PLACER DOME RESEARCH CENTRE
Geochemical Analysis

Project/Venture: V275 | Geol.: D STRAIN | Date Received: SEPT 5, 1991 | Page 3 of 3
Area: LORRIE | Lab Project No.: P1529 | Date Completed: OCT 8, 1991 | Attn: D STRAIN
Remarks: J KOWALCHUK
Au – 10.0 g sample digested with Aqua Regia and determined by A.A. (D.L. 5 PPB) E KIMURA
ICP – 0.5 g sample digested with 4 ml Aqua Regia at 100 Deg. C for 2 hours. R HODGSON
N.B. The major oxide elements and Ba, Be, Cr, La and W are rarely dissolved with this acid dissolution method.

SAMPLE No.	Au ppb	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	Sb ppm	Sr ppm	Ti %	V ppm	W ppm	Zn ppm
10250E-9975N		2.3	2.69	567	1089	3	14	1.04	1.0	34	155	156	5.37	0.22	49	1.94	1013	<1	0.02	95	0.15	421	43	166	0.05	93	<10	165
10250E-10025N		0.3	2.19	33	167	<1	2	0.87	0.4	16	26	70	3.39	0.05	13	0.49	790	<1	0.01	34	0.12	43	<5	29	0.03	51	<10	126
10250E-10050N		0.2	1.81	155	167	<1	<2	0.86	0.7	17	21	38	2.68	0.04	18	0.40	925	2	0.01	24	0.13	48	<5	41	0.03	49	<10	105
10250E-10075N		10.0	1.82	2508	145	2	7	0.78	17.5	23	22	157	5.26	0.07	27	0.66	1982	1	0.02	44	0.12	0.47%	971	83	0.02	46	<10	2658
10250E-10100N		0.4	1.82	89	133	<1	<2	0.44	0.4	14	22	28	2.62	0.04	10	0.44	468	<1	0.01	32	0.08	41	<5	35	0.03	41	<10	108
10500E-9811N		3.0	1.18	618	249	2	6	0.87	1.7	26	28	532	5.17	0.09	53	0.64	1205	1	0.01	59	0.11	109	12	66	0.03	61	<10	300
10500E-9850N		4.6	1.73	1564	226	1	10	0.76	1.7	28	26	464	5.40	0.12	40	0.70	1086	<1	0.03	47	0.14	273	32	89	0.05	54	<10	295
10500E-9876N		5.0	1.59	1869	209	1	7	0.91	1.9	29	24	479	5.41	0.11	38	0.65	992	4	0.03	46	0.14	293	33	96	0.05	51	17	294
10500E-9875N*		5.0	1.63	1935	213	1	11	0.94	2.0	29	25	500	5.64	0.12	41	0.68	1020	<1	0.03	47	0.14	305	42	100	0.05	52	18	302
10500E-10075N		0.7	2.18	341	136	1	<2	0.56	1.0	15	22	66	2.50	0.06	19	0.49	655	<1	0.04	31	0.12	88	37	51	0.03	37	<10	143
10500E-10100N		0.4	1.45	192	117	<1	<2	0.75	0.8	23	22	41	2.50	0.05	47	0.24	821	1	0.02	41	0.14	42	25	35	0.01	31	<10	121
10500E-10125N		0.3	0.55	14	139	<1	<2	2.28	0.5	5	8	26	0.87	0.09	4	0.11	582	2	0.02	11	0.14	14	<5	39	0.01	12	<10	72
10500E-10150N		0.4	3.33	60	202	1	<2	0.78	1.1	16	24	67	2.29	0.08	18	0.52	1411	<1	0.07	32	0.19	55	<5	61	0.04	33	<10	156
10500E-10175N		0.4	1.86	128	163	<1	<2	0.80	0.7	11	24	63	2.83	0.06	15	0.51	543	<1	0.07	29	0.09	33	7	56	0.05	38	<10	115
10500E-10200N		1.0	2.14	567	191	<1	<2	0.82	0.9	14	29	86	3.28	0.06	20	0.61	780	<1	0.05	34	0.12	64	17	53	0.04	45	<10	146
10500E-10225N		1.1	2.13	543	191	<1	3	0.59	0.8	14	28	85	3.26	0.07	20	0.60	730	<1	0.05	33	0.11	62	17	49	0.04	46	<10	136
STD-P1		0.3	1.02	20	194	<1	<2	0.85	0.4	6	113	25	2.14	0.34	7	0.80	567	49	0.08	32	0.08	53	<5	78	0.10	33	<10	152

PLACER DOME RESEARCH CENTRE
Geochemical Analysis

Project/Venture: V275 | Geol.: D STRAIN | Date Received: SEPT 17, 1991 | Page 1 of 1
Area: LORRIE | Lab Project No.: D1563 | Date Completed: OCT 16, 1991 | Attn: D STRAIN
Remarks: PREPARED PULPS SHIPPED FROM NORTHERN ANALYTICAL LABS | J KOWALCHUK
Au – 10.0 g sample digested with Aqua Regia and determined by A.A. (D.L 5 PPB) | E KIMURA
ICP – 0.5 g sample digested with 4 ml Aqua Regia at 100 Deg. C for 2 hours. | R HODGSON
N.B. The major oxide elements and Ba, Be, Cr, La and W are rarely dissolved with this acid dissolution method.

SAMPLE No.	Au ppb	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	Sb ppm	Sr ppm	Ti %	V ppm	W ppm	Zn ppm
B4094		4.6	0.65	2244	49	<1	28	3.35	0.7	16	33	1186	2.13	0.03	8	0.49	314	3	0.08	15	0.07	56	11	55	0.01	15	<10	81
B4138		4.8	0.08	2469	37	<1	377	0.15	<0.1	16	160	40	1.22	0.01	4	<0.01	61	11	<0.01	6	0.03	666	19	5	<0.01	2	<10	12
B4139		0.7	1.29	32	27	<1	2	0.54	0.2	13	34	262	6.72	0.08	54	0.74	295	5	0.02	14	0.10	36	<5	30	0.05	88	<10	65
B4141		0.1	0.95	371	24	<1	<2	1.44	0.1	3	44	37	1.00	0.07	7	0.19	201	3	0.23	14	0.07	24	<5	49	0.06	11	<10	22
B4142		0.7	0.90	942	21	<1	4	6.03	0.2	4	37	246	0.52	0.04	14	0.02	196	3	0.36	3	0.08	14	<5	73	0.02	12	<10	25
B4143		3.0	3.34	4.44%	1	<1	56	2.80	0.8	167	37	3792	13.27	0.01	7	0.08	145	2	0.10	36	0.20	36	36	51	<0.01	10	<10	74
B4144		0.5	2.20	1260	29	<1	4	2.52	<0.1	16	87	366	4.75	0.10	10	0.15	480	5	0.21	24	0.07	20	<5	112	0.03	31	<10	36
B4145		0.6	2.10	253	31	<1	5	1.82	0.2	11	58	430	6.92	0.21	10	0.28	549	3	0.14	24	0.10	30	<5	84	0.03	39	<10	64
B4157		0.4	0.23	369	196	<1	5	0.02	<0.1	4	221	39	1.05	0.03	2	0.09	561	18	<0.01	20	0.02	31	13	17	<0.01	13	<10	30
STD-P1		0.2	0.92	17	197	<1	<2	0.77	0.5	6	106	26	2.18	0.34	5	0.82	565	39	0.05	33	0.08	56	<5	72	0.08	31	<10	152
B4158		0.1	0.20	<5	94	<1	<2	0.03	0.2	3	163	32	2.23	0.04	5	0.09	96	13	<0.01	22	0.02	8	<5	4	<0.01	11	<10	48
B4159		0.5	3.85	346	118	<1	9	1.33	0.2	45	675	191	6.35	3.56	5	6.56	303	<1	0.02	574	0.08	33	17	18	0.07	99	<10	53
B4161		0.8	0.78	3484	52	<1	18	4.59	0.4	10	58	134	1.93	0.05	12	0.73	429	4	0.09	18	0.08	29	32	47	0.01	36	<10	53
B4162		0.6	0.92	197	51	<1	<2	0.86	0.3	5	59	129	2.42	0.07	20	0.25	156	5	0.10	6	0.10	72	<5	68	0.02	15	<10	53
B4162*		0.6	0.94	210	52	<1	<2	0.88	0.3	6	58	129	2.47	0.07	19	0.26	156	4	0.10	6	0.10	73	<5	70	0.02	15	<10	52

PLACER DOME RESEARCH CENTRE
Geochemical Analysis

Project/Venture: V275 | Geol.: D STRAIN | Date Received: SEPT 17, 1991 | Page 1 of 2
Area: LORRIE | Lab Project No.: D1581 | Date Completed: OCT 16, 1991 | Attn: D STRAIN, J KOWALCHUK, E KIMURA, R HODGSON
Remarks: PREPARED PULPS SHIPPED FROM NORTHERN ANALYTIC LABS
Au – 10.0 g sample digested with Aqua Regia and determined by A.A. (D.L. 5 PPB)
ICP – 0.5 g sample digested with 4 ml Aqua Regia at 100 Deg. C for 2 hours.
N.B. The major oxide elements and Ba, Be, Cr, La and W are rarely dissolved with this acid dissolution method.

SAMPLE No.	Au ppb	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	Sb ppm	Sr ppm	Ti %	V ppm	W ppm	Zn ppm
B1719		0.4	2.30	<5	349	<1	<2	0.08	0.5	9	42	29	3.47	0.05	9	0.42	477	<1	0.02	30	0.05	21	<5	9	0.04	68	<10	106
B1720		0.6	1.77	<5	601	<1	<2	0.14	0.5	9	39	37	3.04	0.08	9	0.42	610	<1	0.01	30	0.09	15	<5	36	0.02	68	<10	124
B1721		1.1	1.06	23	334	<1	<2	2.10	1.8	11	26	53	3.34	0.07	33	0.58	792	4	0.01	30	0.13	100	<5	95	<0.01	26	<10	371
B1722		1.2	1.28	68	328	2	<2	1.77	1.8	14	39	50	4.26	0.09	46	0.73	1005	4	0.01	35	0.14	127	17	88	0.01	39	<10	409
B1723		1.0	0.95	22	300	<1	<2	1.96	1.1	11	30	43	3.51	0.07	28	0.56	611	1	0.01	31	0.10	82	5	88	<0.01	26	<10	277
B1724		0.6	1.33	8	278	<1	<2	0.77	0.5	22	39	63	4.10	0.08	37	0.74	768	1	<0.01	41	0.13	44	<5	46	<0.01	35	<10	190
B1839		0.1	2.76	280	250	3	2	0.30	0.3	25	45	99	4.37	0.20	26	0.68	923	2	0.01	33	0.09	48	<5	79	0.06	50	<10	92
B1840		<0.1	2.04	92	216	1	3	0.24	<0.1	21	42	69	3.89	0.16	21	0.50	981	<1	0.01	41	0.07	27	<5	32	0.04	39	<10	82
B1841		<0.1	2.19	51	193	1	<2	0.18	0.3	18	47	67	3.52	0.08	17	0.53	1125	<1	0.01	33	0.09	27	<5	15	0.06	56	<10	90
B1841*		<0.1	2.19	50	193	1	2	0.18	0.2	18	48	67	3.55	0.08	17	0.53	1121	<1	0.01	33	0.10	24	<5	16	0.06	57	<10	91
B1842		<0.1	2.26	48	170	1	<2	0.13	0.8	15	44	52	3.71	0.08	23	0.58	708	<1	<0.01	35	0.08	23	<5	14	0.05	52	15	87
B1843		<0.1	1.95	193	246	1	<2	0.18	0.2	17	44	56	3.83	0.11	23	0.55	736	<1	<0.01	34	0.08	27	<5	20	0.05	49	<10	80
B1844		0.2	2.29	6	122	1	<2	0.08	0.1	10	26	29	3.26	0.06	13	0.39	379	<1	0.01	23	0.06	16	3	10	0.06	45	5	63
B1845		0.1	1.67	26	150	<1	<2	0.07	0.1	8	31	23	2.97	0.05	14	0.36	330	<1	<0.01	20	0.03	15	<5	9	0.04	40	<10	59
B1846		0.1	1.83	202	123	<1	<2	0.18	0.2	15	43	74	3.52	0.09	20	0.59	947	<1	0.02	25	0.08	28	<5	33	0.04	37	<10	82
B4672		0.7	1.10	<5	237	<1	<2	0.30	1.2	11	29	30	3.29	0.04	18	0.44	1064	<1	<0.01	23	0.08	136	3	10	0.06	45	<10	241
B4673		0.7	0.93	11	205	1	<2	0.19	0.6	11	24	38	4.24	0.07	30	0.19	1309	<1	<0.01	30	0.10	224	12	12	<0.01	24	<10	501
B4674		0.8	1.23	15	212	<1	<2	0.72	0.8	14	30	51	4.23	0.08	36	0.76	517	<1	0.01	33	0.10	87	5	41	<0.01	20	<10	233
B4684		0.2	1.68	107	135	<1	<2	0.12	0.4	7	34	20	3.01	0.04	12	0.38	321	<1	<0.01	19	0.04	71	11	16	0.05	51	<10	74
B4684*		0.2	1.69	108	138	<1	<2	0.12	0.5	7	34	20	3.03	0.05	13	0.39	326	<1	<0.01	19	0.04	70	6	16	0.05	51	<10	75
B4685		0.5	1.65	544	286	1	<2	0.39	1.3	14	43	53	3.79	0.20	48	0.67	705	1	0.02	25	0.14	129	65	34	0.12	66	17	209
B4686		2.7	1.87	996	643	1	<2	0.40	1.0	19	48	94	4.52	0.15	29	0.82	827	2	0.02	51	0.12	490	106	45	0.07	67	<10	216
B4687		0.5	1.70	386	252	<1	<2	0.35	1.4	15	48	53	3.58	0.10	27	0.71	720	<1	0.01	31	0.12	72	16	37	0.09	59	<10	220
B4688		0.5	1.79	75	186	<1	<2	0.31	0.5	11	40	38	3.35	0.08	22	0.57	479	<1	0.02	29	0.12	138	48	26	0.07	58	<10	140
B4689		0.6	2.17	314	225	<1	<2	0.64	0.8	14	35	53	3.12	0.06	19	0.52	664	1	0.02	35	0.10	64	17	41	0.04	45	<10	127
B4690		1.0	2.76	217	329	1	<2	0.42	0.9	23	48	109	5.04	0.10	24	0.98	1145	3	0.04	59	0.11	125	52	37	0.06	75	<10	192
B4691		0.4	2.39	926	246	1	4	0.47	0.6	15	37	78	3.52	0.06	20	0.59	1216	3	0.03	36	0.13	44	12	53	0.04	50	<10	160
B4692		0.9	1.77	802	197	1	<2	0.40	0.5	16	35	78	3.68	0.06	26	0.68	801	1	0.02	43	0.10	47	24	41	0.04	52	<10	126
B4693		0.3	2.01	1307	186	1	<2	0.45	0.5	16	36	97	3.70	0.07	19	0.75	544	4	0.02	40	0.11	74	13	53	0.03	55	10	143
STD-P1		0.3	1.06	21	211	<1	<2	0.90	0.4	6	118	25	2.23	0.36	10	0.88	617	51	0.07	33	0.08	54	<5	91	0.11	34	<10	149
B4694		5.0	1.47	1.41%	299	2	341	1.05	1.3	24	39	285	7.43	0.08	59	0.72	2117	4	0.01	48	0.12	145	53	98	0.01	68	41	213
B4695		1.8	2.76	620	239	3	9	0.30	2.3	30	46	135	5.17	0.13	24	1.19	1170	5	0.02	57	0.17	245	33	42	0.04	78	<10	383
B4696		1.5	2.29	69	205	1	<2	0.21	1.7	14	44	40	3.68	0.08	20	0.83	821	3	0.02	34	0.08	199	25	31	0.05	57	<10	313
B4697		1.3	1.62	18	152	1	<2	0.39	0.7	13	35	30	3.51	0.06	22	0.61	1103	2	0.01	29	0.07	146	17	20	0.02	45	<10	195
B4698		7.0	0.84	237	127	2	<2	0.36	24.2	16	22	41	5.96	0.07	41	0.41	5601	3	<0.01	20	0.12	1613	222	27	<0.01	32	<10	2633
B4699		0.7	3.13	30	185	1	<2	1.29	1.3	10	56	40	3.58	0.35	22	2.23	760	2	0.07	32	0.11	96	19	60	0.06	82	<10	316
B4700		0.8	1.31	24	249	1	<2	0.70	1.3	11	35	32	3.85	0.07	29	0.65	942	2	0.01	26	0.14	119	8	38	0.01	37	<10	323
10000E-9675N		1.7	1.58	1500	377	2	5	0.76	1.4	25	40	397	5.58	0.15	44	0.94	776	5	0.02	39	0.22	129	53	59	0.02	85	<10	223
10000E-9700N		3.5	1.67	1338	190	2	11	0.54	0.5	21	42	701	5.08	0.12	49	0.58	591	4	0.02	43	0.25	457	37	52	0.01	64	<10	116
10000E-9700N*		3.4	1.75	1358	192	2	13	0.56	0.6	22	43	724	5.17	0.13	49	0.59	604	4	0.02	44	0.25	470	44	52	0.01	67	<10	119
10000E-9725N		2.8	2.50	2025	296	2	17	0.94	0.3	20	48	1042	6.47	0.19	54	0.77	532	5	0.05	57	0.36	138	29	79	0.02	92	<10	111
10000E-9750N		3.2	1.96	1370	351	2	4	0.66	0.5	33	44	1018	5.67	0.11	35	1.04	1019	4	0.03	50	0.25	58	53	77	0.05	101	<10	121
10000E-9775N		8.0	2.29	0.52%	251	2	83	0.72	3.9	38	42	775	6.29	0.07	24	0.86	1212	2	0.03	50	0.15	897	195	121	0.02	60	11	523
10000E-9800N		14.0	1.87	2.13%	316	2	262	0.90	4.3	104	33	2163	7.96	0.06	30	0.94	964	3	0.02	66	0.14	488	119	122	0.01	62	19	385
10000E-9825N		1.0	2.52	0.29%	300	1	55	0.62	0.4	30	38	613	5.12	0.10	28	0.79	514	3	0.03	62	0.13	77	26	133	0.04	59	73	128
10000E-9850N		0.2	2.64	209	333	<1	<2	0.39	0.2	13	39	119	4.03	0.09	16	0.69	531	<1	0.02	31	0.13	39	7	150	0.05	54	<10	124
10000E-9875N		0.3	2.60	380	248	1	17	0.44	0.2	16	43	111	4.05	0.08	21	0.86	605	3	0.02	40	0.11	44	7	124	0.05	65	<10	110
10000E-9900N		0.4	2.17	322	189	1	2	0.74	0.3	15	41	116	4.64	0.08	28	0.73	680	1	0.02	42	0.11	50	16	100	0.04	65	<10	123
10000E-9925N		0.7	2.40	716	241	1	<2	0.47	0.4	22	41	322	4.07	0.11	21	0.84	574	3	0.03	45	0.13	51	14	115	0.06	62	11	123
10000E-9925N*		0.7	2.35	687	238	1	<2	0.47	0.4	21	40	317	4.02	0.11	21	0.83	569	3	0.02	44	0.13	52	10	114	0.06	61	<10	121

PLACER DOME RESEARCH CENTRE
Geochemical Analysis

Project/Venture: V275 | Geol.: D STRAIN | Date Received: SEPT 17, 1991 | Page 2 of 2
Area: LORRIE | Lab Project No.: D1561 | Date Completed: OCT 16, 1991 | Attn: D STRAIN
Remarks: PREPARED PULPS SHIPPED FROM NORTHERN ANALYTIC LABS | J KOWALCHUK
Au – 10.0 g sample digested with Aqua Regia and determined by A.A. (D.L. 5 PPB) | E KIMURA
ICP – 0.5 g sample digested with 4 ml Aqua Regia at 100 Deg. C for 2 hours. | R HODGSON
N.B. The major oxide elements and Ba, Be, Cr, La and W are rarely dissolved with this acid dissolution method.

SAMPLE No.	Au ppb	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	Sb ppm	Sr ppm	Ti %	V ppm	W ppm	Zn ppm
10000E-9950N		0.2	2.16	82	206	1	4	0.47	0.4	15	39	73	3.59	0.08	20	0.79	518	4	0.02	36	0.12	48	10	81	0.04	66	<10	106
10000E-9975N		0.9	2.58	94	154	2	<2	0.83	0.8	21	39	104	3.49	0.11	24	1.02	577	3	0.03	49	0.10	169	14	140	0.04	60	<10	125
10000E-10000N		2.3	2.23	141	206	<1	3	0.18	1.9	17	45	67	4.58	0.07	22	0.54	686	4	0.01	49	0.13	320	102	29	0.02	80	<10	410
10000E-10025N		190.0	0.71	1083	98	<1	35	0.32	21.3	12	24	301	13.94	0.08	19	0.26	2296	6	0.01	45	0.11	2.60%	0.87%	24	0.01	37	<10	0.32%
10000E-10050N		0.8	1.72	297	303	1	8	0.66	0.4	19	43	81	2.98	0.07	12	0.61	1023	4	0.03	28	0.17	94	29	51	0.03	77	<10	123
10000E-10075N		0.3	1.83	34	130	<1	<2	0.23	0.3	10	35	36	3.00	0.06	15	0.48	410	2	0.01	27	0.08	64	8	40	0.04	53	<10	104
10000E-10100N		0.7	1.80	232	220	1	8	0.27	2.8	16	36	54	7.04	0.06	18	0.35	4609	3	0.01	35	0.14	534	95	22	0.03	50	<10	456
10000E-10125N		<0.1	2.20	44	248	1	5	0.31	0.4	18	40	58	4.09	0.08	15	0.75	883	2	0.02	39	0.11	54	12	144	0.06	80	<10	120
10000E-10150N		0.7	1.28	196	127	1	<2	0.39	0.8	13	37	36	4.03	0.04	16	0.31	697	3	<0.01	35	0.10	268	79	18	<0.01	71	<10	307
10000E-10150N*		0.6	1.22	187	121	1	3	0.37	0.8	12	36	34	3.88	0.04	15	0.29	664	2	<0.01	34	0.10	252	70	17	<0.01	68	<10	292
10000E-10175N		0.7	2.96	2558	141	1	10	1.14	1.4	59	30	273	5.28	0.11	19	0.74	753	3	0.04	80	0.13	152	25	260	0.04	42	<10	166
10000E-10200N		0.5	1.65	84	228	2	<2	0.81	1.5	15	51	36	5.40	0.05	56	0.42	1581	1	0.01	53	0.19	114	22	36	0.01	162	<10	162
10000E-10225N		0.3	2.25	827	228	1	7	0.31	0.4	17	43	92	4.31	0.07	19	1.01	798	4	0.02	35	0.11	62	16	48	0.04	77	<10	136
10000E-10250N		0.9	2.36	2415	258	1	45	0.56	0.5	19	36	236	4.23	0.09	19	0.67	750	<1	0.03	40	0.14	130	17	102	0.03	52	<10	128
10000E-10275N		0.3	2.90	289	342	1	<2	0.75	0.5	23	38	137	3.88	0.11	17	0.68	656	5	0.03	47	0.16	50	10	126	0.04	61	<10	115
10000E-10300N		0.5	1.97	1229	226	<1	8	0.35	0.3	14	34	121	3.17	0.07	14	0.49	506	1	0.02	30	0.14	46	8	46	0.03	45	<10	108
STD-P1		0.2	1.13	18	205	<1	<2	0.98	0.5	7	135	27	2.34	0.37	10	0.88	619	53	0.07	35	0.08	56	7	92	0.12	37	<10	152

PLACER DOME RESEARCH CENTRE
Geochemical Analysis

Project/Venture: V275 | Geol.: D STRAIN | Date Received: SEPT 17, 1991 | Page 1 of 1
Area: LORRIE | Lab Project No.: D1563 | Date Completed: OCT 16, 1991 | Attn: D STRAIN, J KOWALCHUK, E KIMURA, R HODGSON
Remarks: PREPARED PULPS SHIPPED FROM NORTHERN ANALYTICAL LABS
Au – 10.0 g sample digested with Aqua Regia and determined by A.A. (D.L. 5 PPB)
ICP – 0.5 g sample digested with 4 ml Aqua Regia at 100 Deg. C for 2 hours.
N.B. The major oxide elements and Ba, Be, Cr, La and W are rarely dissolved with this acid dissolution method.

SAMPLE No.	Au ppb	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	Sb ppm	Sr ppm	Ti %	V ppm	W ppm	Zn ppm
B4094		4.6	0.65	2244	49	<1	28	3.35	0.7	16	33	1186	2.13	0.03	8	0.49	314	3	0.08	15	0.07	56	11	55	0.01	15	<10	81
B4138		4.8	0.08	2469	37	<1	377	0.15	<0.1	16	160	40	1.22	0.01	4	<0.01	61	11	<0.01	6	0.03	666	19	5	<0.01	2	<10	12
B4139		0.7	1.29	32	27	<1	2	0.54	0.2	13	34	262	6.72	0.08	54	0.74	295	5	0.02	14	0.10	36	<5	30	0.05	88	<10	65
B4141		0.1	0.95	371	24	<1	<2	1.44	0.1	3	44	37	1.00	0.07	7	0.19	201	3	0.23	14	0.07	24	<5	49	0.06	11	<10	22
B4142		0.7	0.90	942	21	<1	4	6.03	0.2	4	37	248	0.52	0.04	14	0.02	196	3	0.36	3	0.08	14	<5	73	0.02	12	<10	25
B4143		3.0	3.34	4.44%	1	<1	56	2.80	0.8	167	37	3792	13.27	0.01	7	0.08	145	2	0.10	36	0.20	36	36	51	<0.01	10	<10	74
B4144		0.5	2.20	1260	29	<1	4	2.52	<0.1	16	87	366	4.75	0.10	10	0.15	480	5	0.21	24	0.07	20	<5	112	0.03	31	<10	36
B4145		0.6	2.10	253	31	<1	5	1.82	0.2	11	58	430	6.92	0.21	10	0.28	549	3	0.14	24	0.10	30	<5	84	0.03	39	<10	64
B4157		0.4	0.23	369	196	<1	5	0.02	<0.1	4	221	39	1.05	0.03	2	0.09	581	18	<0.01	20	0.02	31	13	17	<0.01	13	<10	30
STD-P1		0.2	0.92	17	197	<1	<2	0.77	0.5	6	106	26	2.18	0.34	5	0.82	565	39	0.05	33	0.08	56	<5	72	0.08	31	<10	152
B4158		0.1	0.20	<5	94	<1	<2	0.03	0.2	3	163	32	2.23	0.04	5	0.09	96	13	<0.01	22	0.02	8	<5	4	<0.01	11	<10	48
B4159		0.5	3.85	346	118	<1	9	1.33	0.2	45	675	191	6.35	3.56	5	6.56	303	<1	0.02	574	0.08	33	17	18	0.07	99	<10	53
B4161		0.8	0.78	3484	52	<1	18	4.59	0.4	10	56	134	1.93	0.05	12	0.73	429	4	0.09	18	0.08	29	32	47	0.01	36	<10	53
B4162		0.6	0.92	197	51	<1	<2	0.66	0.3	5	59	129	2.42	0.07	20	0.25	156	5	0.10	6	0.10	72	<5	68	0.02	15	<10	53
B4162*		0.6	0.94	210	52	<1	<2	0.66	0.3	6	58	129	2.47	0.07	19	0.26	156	4	0.10	6	0.10	73	<5	70	0.02	15	<10	52

PLACER DOME RESEARCH CENTRE
Geochemical Analysis

Project/Venture: V275 | Geol.: D STRAIN | Date Received: SEPT 17, 1991 | Page 1 of 1
Area: MIK 116B1 | Lab Project No.: D1562 | Date Completed: OCT 16, 1991 | Attn: D STRAIN, J KOWALCHUK, E KIMURA, R HODGSON
Remarks: PREPARED PULPS SHIPPED FROM NORTHERN ANALYTICAL LABS
Au – 10.0 g sample digested with Aqua Regia and determined by A.A. (D.L. 5 PPB)
ICP – 0.5 g sample digested with 4 ml Aqua Regia at 100 Deg. C for 2 hours.
N.B. The major oxide elements and Ba, Be, Cr, La and W are rarely dissolved with this acid dissolution method.

SAMPLE No.	Au ppb	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	Sb ppm	Sr ppm	Tl %	V ppm	W ppm	Zn ppm
B4651		0.4	1.09	<5	693	<1	<2	0.64	1.5	15	17	36	2.17	0.04	15	0.46	2636	<1	<0.01	26	0.10	16	<5	50	0.01	34	<10	123
B4652		0.8	0.80	<5	376	<1	<2	2.27	2.2	5	16	49	1.48	0.06	10	0.49	387	1	0.01	134	0.13	17	<5	111	0.01	21	<10	229
B4653		0.3	1.01	<5	380	<1	<2	0.64	3.1	37	17	64	2.41	0.06	16	0.43	1441	2	<0.01	68	0.11	15	<5	48	0.02	33	<10	235
B4654		0.3	1.08	<5	362	<1	<2	0.71	1.5	17	18	47	2.34	0.07	17	0.54	1023	<1	<0.01	43	0.11	16	<5	54	0.01	35	<10	176
B4655		0.2	1.10	<5	334	<1	<2	0.75	1.5	16	18	50	2.52	0.07	18	0.59	1073	<1	<0.01	44	0.11	17	<5	59	0.01	35	<10	198
B4656		0.4	1.10	<5	373	<1	<2	1.04	1.8	15	19	56	2.49	0.07	18	0.63	1073	<1	<0.01	44	0.11	19	<5	69	0.01	35	<10	197
B4657		0.2	1.09	<5	370	<1	<2	0.90	1.0	12	20	54	2.35	0.08	17	0.59	749	1	<0.01	38	0.11	17	<5	63	0.01	35	<10	169
B4658		0.3	1.11	5	507	<1	<2	0.72	1.0	13	19	56	2.82	0.09	18	0.71	602	4	<0.01	38	0.13	17	<5	66	0.01	38	<10	207
B4659		0.4	1.36	7	890	<1	<2	0.89	1.2	14	21	78	3.30	0.12	22	0.96	512	3	<0.01	45	0.16	22	<5	88	0.01	49	<10	231
STD-P1		0.3	0.98	20	200	<1	<2	0.81	0.4	6	99	24	2.18	0.36	7	0.82	561	40	0.06	32	0.08	59	<5	77	0.09	32	<10	147
B4660		0.5	1.31	<5	848	<1	<2	0.81	1.1	14	22	78	3.23	0.11	22	0.86	507	6	0.01	44	0.15	24	<5	83	0.02	54	<10	237
B4661		0.5	1.30	<5	708	<1	<2	0.87	1.2	14	25	71	3.07	0.10	21	0.85	620	4	<0.01	48	0.15	21	<5	84	0.02	66	<10	268
B4662		1.2	0.92	10	579	<1	<2	0.74	7.0	13	30	77	3.11	0.09	17	0.35	2283	8	<0.01	112	0.13	22	<5	98	0.01	198	<10	1045
B4663		1.9	1.11	16	645	<1	<2	0.82	7.0	18	31	85	3.47	0.10	19	0.57	2399	13	<0.01	119	0.14	24	8	106	0.02	171	<10	985
B4664		0.9	1.04	<5	502	<1	<2	0.77	3.7	12	27	65	2.99	0.08	17	0.56	977	4	<0.01	78	0.13	18	<5	83	0.02	119	<10	668
B4665		0.6	0.92	10	361	<1	<2	1.87	1.4	16	23	75	3.45	0.09	21	0.89	444	4	<0.01	51	0.14	20	<5	96	0.01	69	<10	253
B4666		0.5	0.85	13	290	<1	<2	1.90	1.0	17	22	73	3.59	0.08	21	0.91	396	3	<0.01	48	0.14	19	<5	96	<0.01	70	<10	221
B4667		0.9	1.04	8	460	<1	<2	1.13	3.3	13	27	68	3.00	0.10	17	0.60	1053	5	0.01	72	0.13	20	<5	88	0.02	97	<10	586
B4668		0.6	0.99	8	392	<1	<2	0.80	2.4	11	24	55	2.82	0.08	17	0.60	820	2	<0.01	60	0.13	19	<5	73	0.02	82	<10	473
B4668*		0.6	0.98	6	382	<1	<2	0.80	2.4	12	24	55	2.82	0.08	17	0.60	816	4	<0.01	60	0.13	18	<5	74	0.02	81	<10	475
B4669		0.8	1.07	22	492	<1	<2	1.01	3.8	15	25	68	3.18	0.09	19	0.67	1365	8	<0.01	80	0.13	21	<5	89	0.02	99	<10	650
B4670		1.8	0.98	20	403	<1	<2	0.83	3.2	12	25	58	2.83	0.08	16	0.56	1022	8	<0.01	67	0.11	16	<5	79	0.02	85	<10	545
B4671		0.4	0.93	7	390	<1	<2	0.65	1.0	9	18	48	2.54	0.08	14	0.53	464	5	<0.01	37	0.11	13	<5	72	0.01	49	<10	208
B4671A		0.4	0.98	12	411	<1	<2	0.64	1.0	10	18	51	2.76	0.09	14	0.58	520	6	<0.01	39	0.12	17	<5	77	0.01	52	<10	238
B4676		1.2	1.21	10	226	<1	<2	0.53	0.7	10	25	60	2.83	0.08	15	0.39	1134	3	<0.01	72	0.10	25	<5	36	0.02	38	<10	154
B4677		0.3	1.12	10	470	<1	<2	0.57	0.5	8	15	32	2.14	0.08	16	0.62	321	2	<0.01	28	0.10	15	<5	54	<0.01	36	<10	136
B4678		0.5	1.22	11	358	<1	<2	0.50	0.5	10	17	36	2.48	0.07	17	0.76	562	3	<0.01	34	0.08	16	<5	49	<0.01	39	<10	154
B4679		0.3	1.16	5	457	<1	<2	0.50	0.4	8	16	25	2.09	0.07	16	0.87	388	2	<0.01	25	0.08	11	<5	43	<0.01	32	<10	112
B4680		1.2	1.08	<5	902	<1	<2	0.90	1.4	11	17	76	2.34	0.08	16	0.46	1780	6	<0.01	38	0.13	23	<5	82	0.01	42	<10	175
B4680*		1.3	1.09	<5	898	<1	<2	0.88	1.4	11	17	76	2.38	0.08	16	0.47	1709	5	<0.01	38	0.13	22	<5	82	0.01	43	<10	177
B4681		2.6	0.72	17	1496	<1	<2	1.09	6.0	9	38	92	1.95	0.05	16	0.22	1082	8	<0.01	63	0.15	23	<5	179	0.01	270	<10	604
B4682		1.6	0.87	14	624	<1	<2	0.71	7.4	14	31	80	3.06	0.08	15	0.33	3089	13	<0.01	121	0.12	17	<5	100	0.01	227	<10	1028
B4683		0.6	1.01	<5	694	<1	<2	0.73	0.8	10	16	70	2.68	0.10	18	0.40	537	5	<0.01	41	0.15	17	<5	92	0.01	43	<10	192
B4801		0.1	1.16	<5	639	<1	<2	0.57	0.4	8	16	32	2.24	0.09	13	0.81	281	4	<0.01	28	0.10	13	<5	51	<0.01	42	<10	159
B4802		0.3	1.03	<5	758	<1	<2	0.58	0.9	8	16	43	2.19	0.07	10	0.49	516	3	<0.01	30	0.10	13	<5	61	0.01	52	<10	186
B4803		0.3	1.08	<5	701	<1	<2	0.66	1.1	9	17	44	2.40	0.07	11	0.53	623	5	<0.01	32	0.10	14	<5	66	0.01	52	<10	197
B4804		0.4	0.98	7	682	<1	<2	0.62	1.1	10	19	59	3.03	0.12	12	0.48	616	3	<0.01	36	0.11	17	<5	103	0.01	60	<10	197
B4805		0.3	1.23	<5	606	<1	<2	0.57	0.5	10	17	42	2.56	0.11	13	0.75	422	3	<0.01	31	0.12	16	<5	73	<0.01	45	<10	165
B4806		0.4	1.03	8	644	<1	<2	0.57	0.9	9	17	52	2.83	0.11	12	0.57	544	3	<0.01	34	0.11	14	<5	90	0.01	53	<10	192
B4806*		0.3	1.06	<5	649	<1	<2	0.58	0.8	10	18	52	2.91	0.11	12	0.59	553	3	<0.01	35	0.11	17	<5	92	0.01	55	<10	197
B4807		2.2	1.18	6	645	<1	<2	0.56	0.5	9	18	44	2.45	0.09	15	0.66	354	4	<0.01	29	0.12	16	<5	65	<0.01	44	<10	154
B4808		0.5	1.02	<5	586	<1	<2	0.56	0.8	10	18	55	2.76	0.09	14	0.54	497	5	<0.01	36	0.11	18	<5	80	0.01	52	<10	196
B4809		NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS
B4810		0.4	1.11	8	497	<1	<2	0.57	0.7	10	17	57	3.03	0.12	14	0.64	491	5	<0.01	39	0.13	15	<5	88	<0.01	55	<10	206
STD-P1		0.3	1.07	18	211	<1	<2	0.88	0.4	6	104	26	2.32	0.36	8	0.87	613	51	0.07	34	0.08	57	<5	85	0.10	36	<10	150

PLACER DOME RESEARCH CENTRE
Geochemical Analysis

Project/Venture: V275 | Geol.: D STRAIN | Date Received: SEPT 17, 1991 | Page 1 of 2
Area: LORRIE | Lab Project No.: D1561 | Date Completed: OCT 16, 1991 | Attn: D STRAIN, J KOWALCHUK, E KIMURA, R HODGSON
Remarks: PREPARED PULPS SHIPPED FROM NORTHERN ANALYTIC LABS
Au – 10.0 g sample digested with Aqua Regia and determined by A.A. (D.L 5 PPB)
ICP – 0.5 g sample digested with 4 ml Aqua Regia at 100 Deg. C for 2 hours.
N.B. The major oxide elements and Ba, Be, Cr, La and W are rarely dissolved with this acid dissolution method.

SAMPLE No.	Au ppb	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	Sb ppm	Sr ppm	Ti %	V ppm	W ppm	Zn ppm
B1719		0.4	2.30	<5	349	<1	<2	0.08	0.5	9	42	29	3.47	0.05	9	0.42	477	<1	0.02	30	0.05	21	<5	9	0.04	68	<10	106
B1720		0.6	1.77	<5	801	<1	<2	0.14	0.5	9	39	37	3.04	0.08	9	0.42	610	<1	0.01	30	0.09	15	<5	36	0.02	68	<10	124
B1721		1.1	1.06	23	334	<1	<2	2.10	1.8	11	26	53	3.34	0.07	33	0.58	792	4	0.01	30	0.13	100	<5	95	<0.01	26	<10	371
B1722		1.2	1.28	68	328	2	<2	1.77	1.8	14	39	50	4.26	0.09	46	0.73	1005	4	0.01	35	0.14	127	17	88	0.01	39	<10	409
B1723		1.0	0.95	22	300	<1	<2	1.96	1.1	11	30	43	3.51	0.07	28	0.56	611	1	0.01	31	0.10	82	5	88	<0.01	26	<10	277
B1724		0.6	1.33	8	278	<1	<2	0.77	0.5	22	39	63	4.10	0.08	37	0.74	768	1	<0.01	41	0.13	44	<5	46	<0.01	35	<10	190
B1839		0.1	2.76	280	250	3	2	0.30	0.3	25	45	99	4.37	0.20	26	0.68	923	2	0.01	33	0.09	48	<5	79	0.06	50	<10	92
B1840		<0.1	2.04	92	216	1	3	0.24	<0.1	21	42	69	3.89	0.16	21	0.50	981	<1	0.01	41	0.07	27	<5	32	0.04	39	<10	82
B1841		<0.1	2.19	51	193	1	<2	0.18	0.3	18	47	67	3.52	0.08	17	0.53	1125	<1	0.01	33	0.09	27	<5	15	0.06	56	<10	90
B1841*		<0.1	2.19	50	193	1	2	0.18	0.2	18	48	67	3.55	0.08	17	0.53	1121	<1	0.01	33	0.10	24	<5	16	0.06	57	<10	91
B1842		<0.1	2.26	48	170	1	<2	0.13	0.8	15	44	52	3.71	0.08	23	0.58	708	<1	<0.01	35	0.08	23	<5	14	0.05	52	15	87
B1843		<0.1	1.95	193	246	1	<2	0.18	0.2	17	44	56	3.83	0.11	23	0.55	738	<1	<0.01	34	0.08	27	<5	20	0.05	49	<10	80
B1844		0.2	<0.01	<5	<1	<1	<2	<0.01	<0.1	<1	6	<1	<0.01	<0.01	<1	<0.01	<1	<1	<0.01	<1	<0.01	<2	<5	<1	<0.01	<1	<10	<1
B1845		0.1	1.67	26	150	<1	<2	0.07	0.1	8	31	23	2.97	0.05	14	0.36	330	<1	<0.01	20	0.03	15	<5	9	0.04	40	<10	59
B1846		0.1	1.83	202	123	<1	<2	0.18	0.2	15	43	74	3.52	0.09	20	0.59	947	<1	0.02	25	0.08	28	<5	33	0.04	37	<10	82
B4672		0.7	1.10	<5	237	<1	<2	0.30	1.2	11	29	30	3.29	0.04	18	0.44	1064	<1	<0.01	23	0.08	136	<5	22	0.02	32	<10	241
B4673		0.7	0.93	11	205	1	<2	0.19	0.8	11	24	38	4.24	0.07	30	0.19	1309	<1	<0.01	30	0.10	224	12	12	<0.01	24	<10	501
B4674		0.8	1.23	15	212	<1	<2	0.72	0.8	14	30	51	4.23	0.08	36	0.76	517	<1	0.01	33	0.10	87	5	41	<0.01	20	<10	233
B4684		0.2	1.68	107	135	<1	<2	0.12	0.4	7	34	20	3.01	0.04	12	0.38	321	<1	<0.01	19	0.04	71	11	16	0.05	51	<10	74
B4684*		0.2	1.69	108	138	<1	<2	0.12	0.5	7	34	20	3.03	0.05	13	0.39	326	<1	<0.01	19	0.04	70	6	16	0.05	51	<10	75
B4685		0.5	1.65	544	286	1	<2	0.39	1.3	14	43	53	3.79	0.20	48	0.67	705	1	0.02	25	0.14	129	65	34	0.12	66	17	209
B4686		2.7	1.87	996	643	1	<2	0.40	1.0	19	48	94	4.52	0.15	29	0.82	827	2	0.02	51	0.12	490	106	45	0.07	67	<10	216
B4687		0.5	1.70	386	252	<1	<2	0.35	1.4	15	48	53	3.58	0.10	27	0.71	720	<1	0.01	31	0.12	72	16	37	0.09	59	<10	220
B4688		0.5	1.79	75	186	<1	<2	0.31	0.5	11	40	38	3.35	0.08	22	0.57	479	<1	0.02	29	0.12	138	48	26	0.07	58	<10	140
B4689		0.6	2.17	314	225	<1	<2	0.64	0.8	14	35	53	3.12	0.06	19	0.52	664	1	0.02	35	0.10	64	17	41	0.04	45	<10	127
B4690		1.0	2.76	217	329	1	<2	0.42	0.9	23	48	109	5.04	0.10	24	0.98	1145	3	0.04	59	0.11	125	52	37	0.06	75	<10	192
B4691		0.4	2.39	926	246	1	4	0.47	0.8	15	37	78	3.52	0.06	20	0.59	1216	3	0.03	36	0.13	44	12	53	0.04	50	<10	160
B4692		0.9	1.77	802	197	1	<2	0.40	0.5	16	35	78	3.68	0.06	26	0.68	801	1	0.02	43	0.10	47	24	41	0.04	52	<10	126
B4693		0.3	2.01	1307	186	1	<2	0.45	0.5	16	36	97	3.70	0.07	19	0.75	544	4	0.02	40	0.11	74	13	53	0.03	55	10	143
STD-P1		0.3	1.06	21	211	<1	<2	0.90	0.4	6	118	25	2.23	0.36	10	0.88	617	51	0.07	33	0.08	54	<5	91	0.11	34	<10	149
B4694		5.0	1.47	1.41%	299	2	34.1	1.05	1.3	24	39	285	7.43	0.08	59	0.72	2117	4	0.01	49	0.12	145	53	98	0.01	68	41	213
B4695		1.8	2.76	620	239	3	9	0.30	2.3	30	46	135	5.17	0.13	24	1.19	1170	5	0.02	57	0.17	245	33	42	0.04	78	<10	383
B4696		1.5	2.29	69	205	1	<2	0.21	1.7	14	44	40	3.68	0.08	20	0.83	821	3	0.02	34	0.08	199	25	31	0.05	57	<10	313
B4697		1.3	1.62	18	152	1	<2	0.39	0.7	13	35	30	3.51	0.06	22	0.61	1103	2	0.01	29	0.07	146	17	20	0.02	45	<10	195
B4698		7.0	0.84	237	127	2	<2	0.36	24.2	16	22	41	5.96	0.07	41	0.41	5601	3	<0.01	20	0.12	1613	222	27	<0.01	32	<10	2633
B4699		0.7	3.13	30	185	1	<2	1.29	1.3	10	56	40	3.58	0.35	22	2.23	760	2	0.07	32	0.11	96	19	60	0.06	82	<10	316
B4700		0.8	1.31	24	249	1	<2	0.70	1.3	11	35	32	3.85	0.07	29	0.65	942	2	0.01	26	0.14	119	8	38	0.01	37	<10	323
10000E-9675N		1.7	1.58	1500	377	2	5	0.76	1.4	25	40	397	5.58	0.15	44	0.94	776	5	0.02	39	0.22	129	53	59	0.02	85	<10	223
10000E-9700N		3.5	1.67	1338	190	2	11	0.54	0.5	21	42	701	5.08	0.12	49	0.58	591	4	0.02	43	0.25	457	37	52	0.01	64	<10	116
10000E-9700N*		3.4	1.75	1358	192	2	13	0.56	0.8	22	43	724	5.17	0.13	49	0.59	604	4	0.02	44	0.25	470	44	52	0.01	67	<10	119
10000E-9725N		2.8	2.50	2025	296	2	17	0.94	0.3	20	48	1042	6.47	0.19	54	0.77	532	5	0.05	57	0.36	138	29	79	0.02	92	<10	111
10000E-9750N		3.2	1.96	1370	351	2	4	0.86	0.5	33	44	1018	5.67	0.11	35	1.04	1019	4	0.03	50	0.25	58	53	77	0.05	101	<10	121
10000E-9775N		8.0	2.29	0.52%	251	2	83	0.72	3.9	38	42	775	6.29	0.07	24	0.86	1212	2	0.03	50	0.15	897	195	121	0.02	60	11	523
10000E-9800N		14.0	1.87	2.13%	316	2	262	0.90	4.3	104	33	2163	7.96	0.06	30	0.94	964	3	0.02	66	0.14	488	119	122	0.01	62	19	385
10000E-9825N		1.0	2.52	0.29%	300	1	55	0.62	0.4	30	38	613	5.12	0.10	26	0.79	514	3	0.03	62	0.13	77	26	133	0.04	59	73	128
10000E-9850N		0.2	2.84	209	333	<1	<2	0.39	0.2	13	39	119	4.03	0.09	16	0.69	531	<1	0.02	31	0.13	39	7	150	0.05	54	<10	124
10000E-9875N		0.3	2.60	380	248	1	17	0.44	0.2	16	43	111	4.05	0.08	21	0.86	605	3	0.02	40	0.11	44	7	124	0.05	65	<10	110
10000E-9900N		0.4	2.17	322	189	1	2	0.74	0.3	15	41	116	4.64	0.08	28	0.73	680	1	0.02	42	0.11	50	16	100	0.04	65	<10	123
10000E-9925N		0.7	2.40	716	241	1	<2	0.47	0.4	22	41	322	4.07	0.11	21	0.84	574	3	0.03	45	0.13	51	14	115	0.06	62	11	123
10000E-9925N*		0.7	2.35	687	238	1	<2	0.47	0.4	21	40	317	4.02	0.11	21	0.83	569	3	0.02	44	0.13	52	10	114	0.06	61	<10	121

PLACER DOME RESEARCH CENTRE
Geochemical Analysis

Project/Venture: V275 | Geol.: D STRAIN | Date Received: SEPT 17, 1991 | Page 2 of 2
Area: LORRIE | Lab Project No.: D1561 | Date Completed: OCT 16, 1991 | Attn: D STRAIN
Remarks: PREPARED PULPS SHIPPED FROM NORTHERN ANALYTIC LABS | J KOWALCHUK
Au – 10.0 g sample digested with Aqua Regia and determined by A.A. (D.L 5 PPB) | E KIMURA
ICP – 0.5 g sample digested with 4 ml Aqua Regia at 100 Deg. C for 2 hours. | R HODGSON
N.B. The major oxide elements and Ba, Be, Cr, La and W are rarely dissolved with this acid dissolution method.

SAMPLE No.	Au ppb	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	Sb ppm	Sr ppm	Ti %	V ppm	W ppm	Zn ppm
10000E-9950N		0.2	2.16	82	206	1	4	0.47	0.4	15	39	73	3.59	0.08	20	0.79	518	4	0.02	36	0.12	48	10	81	0.04	66	<10	106
10000E-9975N		0.9	2.58	94	154	2	<2	0.83	0.6	21	39	104	3.49	0.11	24	1.02	577	3	0.03	49	0.10	169	14	140	0.04	60	<10	125
10000E-10000N		2.3	2.23	141	206	<1	3	0.18	1.9	17	45	67	4.58	0.07	22	0.54	686	4	0.01	49	0.13	320	102	29	0.02	80	<10	410
10000E-10025N		190.0	0.71	1083	98	<1	35	0.32	21.3	12	24	301	13.94	0.08	19	0.26	2296	6	0.01	45	0.11	2.60%	0.87%	24	0.01	37	<10	0.32%
10000E-10050N		0.8	1.72	297	303	1	8	0.66	0.4	19	43	81	2.98	0.07	12	0.61	1023	4	0.03	28	0.17	94	29	51	0.03	77	<10	123
10000E-10075N		0.3	1.83	34	130	<1	<2	0.23	0.3	10	35	36	3.00	0.06	15	0.48	410	2	0.01	27	0.08	64	8	40	0.04	53	<10	104
10000E-10100N		0.7	1.80	232	220	1	8	0.27	2.6	16	36	54	7.04	0.06	18	0.35	4609	3	0.01	35	0.14	534	95	22	0.03	50	<10	456
10000E-10125N		<0.1	2.20	44	246	1	5	0.31	0.4	18	40	58	4.09	0.08	15	0.75	883	2	0.02	39	0.11	54	12	144	0.06	80	<10	120
10000E-10150N		0.7	1.26	196	127	1	<2	0.39	0.8	13	37	36	4.03	0.04	16	0.31	697	3	<0.01	35	0.10	268	79	18	<0.01	71	<10	307
10000E-10150N*		0.6	1.22	187	121	1	3	0.37	0.8	12	36	34	3.88	0.04	15	0.29	684	2	<0.01	34	0.10	252	70	17	<0.01	68	<10	292
10000E-10175N		0.7	2.96	2558	141	1	10	1.14	1.4	59	30	273	5.28	0.11	19	0.74	753	3	0.04	80	0.13	152	25	260	0.04	42	<10	166
10000E-10200N		0.5	1.65	84	228	2	<2	0.81	1.5	15	51	36	5.40	0.05	56	0.42	1581	1	0.01	53	0.19	114	22	36	0.01	162	<10	162
10000E-10225N		0.3	2.25	827	228	1	7	0.31	0.4	17	43	92	4.31	0.07	19	1.01	798	4	0.02	35	0.11	62	16	48	0.04	77	<10	136
10000E-10250N		0.9	2.36	2415	258	1	45	0.56	0.5	19	36	236	4.23	0.09	19	0.67	750	<1	0.03	40	0.14	130	17	102	0.03	52	<10	128
10000E-10275N		0.3	2.90	289	342	1	<2	0.75	0.5	23	38	137	3.88	0.11	17	0.88	656	5	0.03	47	0.16	50	10	126	0.04	61	<10	115
10000E-10300N		0.5	1.97	1229	226	<1	8	0.35	0.3	14	34	121	3.17	0.07	14	0.49	506	1	0.02	30	0.14	46	8	46	0.03	45	<10	108
STD-P1		0.2	1.13	18	205	<1	<2	0.98	0.5	7	135	27	2.34	0.37	10	0.88	619	53	0.07	35	0.08	56	7	92	0.12	37	<10	152

PLACER DOME RESEARCH CENTRE
Geochemical Analysis

Project/Venture: V275 | Geol.: D STRAIN | Date Received: OCT 29, 1991 | Page 1 of 1
Area: LORRIE | Lab Project No.: D1638 | Date Completed: NOV6, 1991 | Attn: D STRAIN
Remarks: ROCK PULPS FROM NORTHERN ANALYTICAL LABS | J KOWALCHUK
Au – 10.0 g sample digested with Aqua Regia and determined by A.A. (D.L 5 PPB) | E KIMURA
ICP – 0.5 g sample digested with 4 ml Aqua Regia at 100 Deg. C for 2 hours. | R HODGSON
N.B. The major oxide elements and Ba, Be, Cr, La and W are rarely dissolved with this acid dissolution method.

SAMPLE No.	Au ppb	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	Sb ppm	Sr ppm	Ti %	V ppm	W ppm	Zn ppm
B3673		2.3	0.11	30.4%	6	<1	1575	0.03	0.5	62	7	16	15.35	0.01	4	0.03	34	<1	<0.01	13	0.02	22	248	5	<0.01	2	13	25
B3674		0.6	0.33	0.54%	25	<1	55	0.13	<0.1	3	107	170	4.13	0.05	4	0.05	107	3	0.01	3	0.01	9	<5	3	0.01	3	<10	21
B3675		1.1	0.27	4.96%	30	<1	376	0.16	<0.1	35	11	324	14.19	0.11	2	0.06	121	<1	0.02	5	0.05	12	56	3	0.02	6	12	29
B3676		0.8	0.63	13.3%	19	<1	67	0.03	<0.1	126	19	147	11.40	0.04	13	0.25	85	<1	0.01	75	0.02	14	89	71	<0.01	11	<10	22
B3683		2.0	2.07	0.22%	12	<1	432	1.19	0.2	82	13	3087	15.85	0.02	18	0.06	94	<1	0.15	50	0.07	25	15	101	0.03	19	12	56
B3824		3.5	0.15	6.20%	10	<1	45	0.02	0.4	332	45	269	6.29	0.01	2	0.02	48	2	<0.01	117	0.11	242	239	3	<0.01	3	<10	112
B3825		4.5	0.80	5.12%	10	<1	278	0.67	0.2	37	26	2507	7.90	0.02	9	0.07	155	<1	0.04	9	0.06	58	30	21	<0.01	4	<10	91
B4126		13.0	0.38	2.35%	13	<1	80	0.53	0.9	20	24	0.84%	8.69	0.03	10	0.07	250	<1	0.02	8	0.07	35	25	5	<0.01	3	<10	298
B4127		3.5	0.48	6.08%	11	<1	469	0.48	0.6	116	44	1146	8.20	0.01	6	0.07	129	3	0.02	6	0.06	29	33	10	0.01	2	<10	166
B4127*		3.4	0.49	6.08%	12	<1	472	0.48	0.6	118	44	1162	8.12	<0.01	6	0.07	128	1	0.02	6	0.06	30	36	10	0.01	2	<10	169

PLACER DOME RESEARCH CENTRE
Geochemical Analysis

Project/Venture: V275 | Geol.: D STRAIN | Date Received: NOV 1, 1991 | Page 1 of 1
Area: LORRIE 116A4 | Lab Project No.: D1641 | Date Completed: NOV 13, 1991 | Attn: D STRAIN
Remarks: J KOWALCHUK
Au – 10.0 g sample digested with Aqua Regia and determined by A.A. (D.L. 5 PPB) E KIMURA
ICP – 0.5 g sample digested with 4 ml Aqua Regia at 100 Deg. C for 2 hours. R HODGSON
N.B. The major oxide elements and Ba, Be, Cr, La and W are rarely dissolved with this acid dissolution method.

SAMPLE No.	Au ppb	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	Sb ppm	Sr ppm	Tl %	V ppm	W ppm	Zn ppm
B4133		0.4	0.36	540	18	<1	<2	0.54	<0.1	31	95	271	4.19	0.03	14	0.12	95	11	0.05	21	0.13	18	<5	22	0.08	12	12	38
B4155		0.6	0.37	14281	46	<1	172	0.16	<0.1	5	47	287	7.66	0.10	3	0.07	121	2	0.01	3	0.02	14	24	4	0.02	6	10	29
B4160		140.0	0.07	29.9%	56	<1	5706	0.01	1.3	25	24	1389	14.14	0.03	5	0.05	36	38	<0.01	8	0.08	0.88%	1.35%	5	0.02	22	16	30
B4160*		143.0	0.08	29.6%	58	<1	5912	0.01	1.2	26	24	1454	14.59	0.03	5	0.05	38	41	<0.01	9	0.08	0.90%	1.37%	5	0.02	23	16	31
STD-P1		0.3	0.99	278	181	<1	7	0.86	0.3	6	117	26	2.19	0.32	8	0.78	564	48	0.06	29	0.08	58	23	80	0.10	33	<10	138

PLACER DOME RESEARCH CENTRE
Geochemical Analysis

Project/Venture: V275 | Geol.: D STRAIN | Date Received: OCT 29, 1991 | Page 1 of 3
Area: LORRIE | Lab Project No.: D1637 | Date Completed: NOV 7, 1991 | Attn: D STRAIN, J KOWALCHUK, E KIMURA, R HODGSON
Remarks: SOIL REJECTS FROM NORTHERN ANALYTICAL LABS
Au – 10.0 g sample digested with Aqua Regia and determined by A.A. (D.L 5 PPB)
ICP – 0.5 g sample digested with 4 ml Aqua Regia at 100 Deg. C for 2 hours.
N.B. The major oxide elements and Ba, Be, Cr, La and W are rarely dissolved with this acid dissolution method.

SAMPLE No.	Au ppb	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	Sb ppm	Sr ppm	Ti %	V ppm	W ppm	Zn ppm
B1697		0.9	2.87	1246	74	2	14	1.50	0.8	34	8	407	7.71	0.11	17	0.63	1029	<1	0.11	46	0.11	57	19	249	0.03	34	20	133
B1698		2.1	2.88	980	77	2	26	1.83	0.8	24	18	503	5.37	0.08	14	0.61	1148	<1	0.18	28	0.14	104	29	241	0.01	24	59	185
B1699		2.0	2.19	427	59	1	21	0.97	0.5	20	21	777	4.10	0.08	25	0.35	748	1	0.16	41	0.13	107	32	96	0.03	21	63	163
B1700		8.0	2.36	0.35%	58	2	63	1.26	2.8	28	8	2409	6.56	0.08	26	0.44	1092	<1	0.15	29	0.12	357	61	128	0.03	23	66	475
B1701		0.8	1.66	352	201	<1	16	0.33	0.2	12	<1	135	10.74	0.19	12	0.52	290	6	0.02	22	0.19	72	8	122	0.09	59	<10	131
B1702		0.2	1.71	1396	193	2	23	0.11	<0.1	24	27	223	6.90	0.19	34	0.58	895	<1	0.02	38	0.11	33	10	36	0.05	47	19	98
B1703		0.3	1.46	0.48%	216	<1	19	0.23	<0.1	10	27	206	6.41	0.45	20	0.87	239	3	0.02	15	0.12	46	<5	74	0.16	78	11	53
B1704		0.6	1.21	0.76%	276	1	57	0.51	0.4	44	21	513	5.41	0.38	59	0.65	811	2	0.03	45	0.12	64	14	142	0.09	51	26	116
B1705		1.2	1.37	0.61%	168	1	62	0.77	0.6	38	13	701	6.05	0.28	39	0.53	576	2	0.06	43	0.13	69	26	177	0.07	41	23	155
B1705*		1.2	1.39	0.61%	169	1	61	0.78	0.6	39	12	700	6.18	0.29	40	0.55	589	<1	0.06	44	0.13	67	24	179	0.07	43	24	155
B1706		1.9	1.38	0.82%	164	2	31	0.74	0.9	51	18	743	6.06	0.29	37	0.63	690	5	0.05	45	0.14	73	18	143	0.06	50	26	167
B1707		2.0	1.49	0.76%	143	1	26	0.58	0.7	44	6	951	7.19	0.27	48	0.53	625	6	0.05	43	0.12	66	25	124	0.05	37	38	214
B1708		4.3	1.95	0.33%	92	1	23	0.56	0.5	34	7	1472	8.75	0.17	20	0.48	628	5	0.07	56	0.15	82	29	133	0.05	35	13	137
B1709		10.0	1.62	1.15%	61	2	74	0.66	1.1	59	21	3554	8.47	0.11	32	0.54	605	1	0.05	73	0.12	93	63	192	0.02	31	36	156
B1710		9.0	1.50	1.23%	60	2	77	0.68	0.9	61	23	3436	8.16	0.12	30	0.52	558	<1	0.06	67	0.11	84	58	201	0.02	29	24	143
B1711		9.0	1.66	1.30%	79	1	241	0.62	1.2	69	12	3955	8.66	0.14	25	0.45	569	<1	0.07	74	0.12	84	57	110	0.04	28	106	172
B1712		3.9	2.12	0.78%	81	2	139	0.46	0.9	58	9	1543	8.73	0.13	38	0.72	655	2	0.04	76	0.14	69	44	130	0.04	39	109	132
B1713		1.7	1.83	0.34%	69	3	36	0.75	0.5	47	13	551	6.93	0.11	56	0.55	543	<1	0.04	68	0.11	57	27	194	0.01	36	32	101
B1741		0.3	1.79	14	145	1	2	1.48	0.3	15	31	69	3.14	0.16	18	0.62	372	<1	0.05	31	0.15	45	<5	122	0.04	40	<10	116
B1741*		0.3	1.64	10	133	1	<2	1.46	0.2	15	31	65	2.92	0.15	17	0.55	371	<1	0.05	30	0.15	47	<5	115	0.04	36	<10	111
B1742		0.3	1.86	47	117	2	<2	1.38	0.6	24	26	130	4.48	0.10	28	0.54	341	<1	0.06	57	0.14	57	11	122	0.04	43	17	222
B1743		0.4	1.47	168	42	<1	3	2.25	2.8	19	44	117	2.75	0.08	17	0.12	450	3	0.14	52	0.09	69	7	143	0.03	11	<10	642
B1744		0.9	1.93	2567	109	2	8	0.44	0.2	39	12	358	6.72	0.18	22	0.52	635	4	0.03	76	0.12	52	13	137	0.02	44	29	133
B1745		0.3	2.36	245	244	1	<2	0.21	<0.1	16	35	86	4.14	0.21	15	0.86	461	2	0.01	33	0.07	23	<5	99	0.09	57	<10	69
B1746		0.7	2.14	514	168	2	12	0.30	0.8	44	18	224	6.52	0.09	28	0.46	1445	2	0.04	76	0.19	105	19	54	0.04	52	<10	123
B1747		0.2	2.92	169	181	2	5	0.76	0.1	19	19	180	6.28	0.09	11	0.60	970	2	0.04	37	0.13	64	19	203	0.04	53	<10	93
B1751		0.1	1.63	16	124	<1	<2	1.59	0.8	12	32	26	2.01	0.05	19	0.28	587	<1	0.05	28	0.10	46	<5	89	0.02	23	<10	100
B1752		0.6	2.88	1070	159	2	6	0.76	1.4	50	<1	253	10.00	0.34	27	0.82	793	4	0.07	89	0.18	78	21	166	0.07	56	12	349
B1753		0.6	1.78	486	135	<1	8	0.17	0.7	12	5	178	8.48	0.19	14	0.59	355	3	0.02	32	0.14	56	7	62	0.06	46	17	124
B1753*		0.7	1.92	508	146	<1	9	0.18	0.9	12	4	183	8.88	0.21	15	0.62	367	3	0.02	34	0.15	60	7	67	0.06	49	12	131
B1754		0.8	1.44	1626	91	<1	14	0.11	0.2	11	4	225	8.90	0.15	19	0.52	300	7	0.01	30	0.13	88	<5	44	0.04	45	47	123
B1755		1.4	1.72	1454	102	1	33	0.14	0.5	19	<1	380	11.37	0.19	17	0.51	605	6	0.02	38	0.16	116	8	100	0.03	52	53	169
B1756		1.2	2.02	974	131	2	11	0.27	1.9	69	11	271	7.46	0.16	28	0.49	1797	3	0.03	115	0.13	160	<5	106	0.03	41	22	362
B1757		0.7	2.49	459	124	2	13	0.34	0.8	57	17	270	6.88	0.20	24	0.58	1234	2	0.03	83	0.11	77	<5	121	0.06	37	<10	311
B1758		<0.1	2.34	141	118	1	3	0.26	0.4	29	33	77	4.45	0.09	18	0.57	994	3	0.02	45	0.12	42	<5	44	0.05	44	<10	185
B1759		<0.1	1.70	50	73	<1	<2	0.09	<0.1	10	37	43	3.81	0.08	13	0.53	398	3	<0.01	24	0.08	20	<5	17	0.06	49	<10	91
B1760		<0.1	2.07	112	123	<1	2	0.19	<0.1	19	35	154	4.25	0.13	20	0.64	622	5	0.01	32	0.10	19	<5	58	0.06	49	<10	95
B1761		<0.1	2.19	37	85	<1	<2	0.09	<0.1	8	37	29	3.72	0.05	10	0.40	338	3	<0.01	18	0.06	18	<5	12	0.06	52	<10	80
B1762		0.1	1.84	75	93	<1	<2	0.07	<0.1	7	36	26	3.39	0.06	12	0.36	272	4	<0.01	17	0.07	21	<5	11	0.04	51	<10	72
STD-P1		0.2	0.93	20	176	<1	<2	0.78	0.3	5	109	25	2.01	0.33	7	0.73	534	43	0.06	29	0.07	48	<5	77	0.11	30	<10	145
B1763		0.2	1.71	56	63	<1	<2	0.06	<0.1	7	32	54	4.72	0.06	11	0.38	221	2	<0.01	17	0.07	18	<5	9	0.05	68	12	76
B1764		0.6	2.43	408	128	1	4	0.33	0.4	22	14	151	6.58	0.14	19	0.49	565	3	0.03	37	0.15	46	6	60	0.05	41	11	194
B1765		0.4	2.68	1245	199	1	8	0.20	<0.1	18	21	251	6.39	0.20	20	0.73	401	3	0.02	46	0.14	34	<5	49	0.07	59	52	120
B1766		1.9	1.11	0.36%	79	<1	<2	0.15	<0.1	10	<1	458	8.64	0.11	18	0.36	221	9	0.01	33	0.16	50	10	15	0.02	38	45	82
B1767		0.8	1.56	2095	143	<1	4	0.21	0.4	9	<1	329	11.32	0.22	17	0.62	249	8	0.02	23	0.27	40	<5	20	0.06	62	17	87
B1768		0.5	2.72	309	77	1	3	1.62	2.7	52	2	180	8.52	0.13	18	0.37	854	<1	0.11	93	0.16	111	7	155	0.06	31	11	507
B1769		0.3	2.55	62	154	1	<2	0.15	<0.1	15	34	86	4.42	0.16	17	0.51	461	6	0.01	35	0.14	28	<5	65	0.06	56	<10	98
B1770		0.5	2.43	93	137	1	<2	0.13	<0.1	12	28	98	4.96	0.11	19	0.43	476	11	0.03	30	0.23	23	<5	49	0.03	57	<10	88
B1771		0.4	2.94	387	200	2	5	0.24	0.2	31	18	274	7.07	0.22	24	0.54	545	21	0.06	59	0.39	39	9	143	0.05	51	19	124
B1771*		0.4	3.09	409	199	2	5	0.25	0.2	33	18	290	7.32	0.23	24	0.56	568	19	0.06	62	0.41	40	<5	153	0.06	53	15	130

PLACER DOME RESEARCH CENTRE
Geochemical Analysis

Project/Venture: V275 | Geol.: D STRAIN | Date Received: OCT 29, 1991 | Page 2 of 3
Area: LORRIE | Lab Project No.: D1637 | Date Completed: NOV 7, 1991 | Attn: D STRAIN, J KOWALCHUK, E KIMURA, R HODGSON
Remarks: SOIL REJECTS FROM NORTHERN ANALYTICAL LABS
Au – 10.0 g sample digested with Aqua Regia and determined by A.A. (D.L 5 PPB)
ICP – 0.5 g sample digested with 4 ml Aqua Regia at 100 Deg. C for 2 hours.
N.B. The major oxide elements and Ba, Be, Cr, La and W are rarely dissolved with this acid dissolution method.

SAMPLE No.	Au ppb	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	Sb ppm	Sr ppm	Ti %	V ppm	W ppm	Zn ppm
B1772		0.3	2.28	644	169	2	<2	0.18	0.2	35	34	226	4.55	0.14	34	0.51	882	<1	0.01	56	0.13	26	<5	57	0.06	53	19	92
B1773		0.5	2.91	602	275	3	<2	0.22	0.2	46	36	288	5.23	0.24	29	0.64	988	<1	0.02	96	0.18	36	<5	66	0.04	62	<10	150
B1774		0.3	2.31	810	274	1	<2	0.17	0.2	21	30	224	4.92	0.13	22	0.55	555	1	0.03	45	0.13	30	<5	60	0.05	54	11	115
B1775		0.3	1.99	674	146	1	<2	0.09	<0.1	8	25	146	4.73	0.08	16	0.27	282	4	0.03	23	0.16	30	<5	42	0.02	49	12	57
B1776		0.5	1.97	1360	208	2	15	0.36	0.1	22	36	741	3.32	0.22	51	0.48	719	1	0.03	26	0.16	32	<5	46	0.09	46	120	90
B1777		0.5	1.84	1566	161	1	8	0.14	0.2	16	34	503	3.00	0.11	23	0.37	717	<1	0.02	26	0.15	32	<5	30	0.03	36	60	96
B1778		0.2	1.94	376	385	2	3	0.26	0.3	17	36	163	3.03	0.12	20	0.39	872	<1	0.02	28	0.15	27	<5	39	0.03	40	11	88
B1779		0.5	1.84	787	209	2	<2	0.18	0.2	85	32	218	3.49	0.13	60	0.39	1722	2	0.01	32	0.13	25	<5	31	0.03	41	13	75
B1780		0.3	1.88	537	142	1	<2	0.20	<0.1	20	26	205	5.04	0.11	18	0.42	514	3	0.03	45	0.18	18	<5	40	0.04	53	12	83
B1780*		0.3	1.90	547	144	1	<2	0.20	<0.1	20	26	210	5.18	0.11	18	0.42	516	5	0.03	46	0.19	19	<5	40	0.04	54	12	94
B1781		2.7	1.46	0.45%	144	1	22	0.20	0.2	42	29	1027	3.54	0.11	44	0.38	329	9	0.02	40	0.09	78	22	34	0.04	35	302	79
B1782		0.3	1.56	572	142	2	<2	0.17	0.2	16	24	194	4.87	0.13	19	0.40	370	2	0.02	39	0.12	25	<5	38	0.04	39	34	89
B1783		0.3	1.72	847	143	2	6	0.20	<0.1	20	29	191	4.05	0.13	21	0.42	483	2	0.01	39	0.10	23	<5	27	0.05	43	21	74
B1784		0.3	1.85	417	184	1	4	0.16	0.2	16	33	110	3.77	0.10	14	0.31	677	3	0.01	34	0.12	18	<5	31	0.03	50	21	100
B1785		0.2	1.76	477	167	1	<2	0.11	<0.1	14	29	98	4.50	0.09	15	0.39	538	5	0.02	28	0.12	20	<5	32	0.04	50	<10	79
B1786		0.3	1.98	98	98	<1	<2	0.07	<0.1	8	35	51	3.52	0.07	11	0.28	481	7	<0.01	18	0.09	13	<5	13	0.04	64	<10	72
B1787		0.2	2.46	62	188	1	<2	0.11	<0.1	14	40	48	3.86	0.11	14	0.53	756	<1	<0.01	30	0.09	15	<5	16	0.07	59	<10	93
B1788		0.2	1.33	43	82	<1	<2	0.08	<0.1	4	38	27	2.56	0.07	8	0.21	351	<1	<0.01	11	0.06	12	<5	11	0.05	56	<10	64
B1789		0.1	2.07	73	135	1	<2	0.08	<0.1	9	36	52	3.99	0.07	14	0.47	346	<1	<0.01	23	0.09	15	<5	20	0.04	55	<10	76
STD-P1		0.2	0.97	20	186	<1	3	0.80	0.2	6	113	29	2.26	0.34	6	0.76	581	46	0.06	30	0.08	51	<5	74	0.10	34	<10	146
B1790		0.2	1.63	24	185	2	<2	0.12	<0.1	10	36	39	3.71	0.08	19	0.45	438	<1	<0.01	26	0.07	17	<5	16	0.05	50	18	83
B1791		0.2	1.43	21	112	1	<2	0.07	<0.1	8	33	33	3.11	0.06	12	0.23	551	<1	<0.01	16	0.08	11	<5	12	0.04	42	<10	64
B1792		<0.1	1.85	29	144	2	<2	0.07	<0.1	9	34	28	3.49	0.07	13	0.36	422	<1	<0.01	22	0.06	9	<5	11	0.06	48	<10	68
B1793		0.2	1.25	144	234	1	<2	0.26	0.2	7	35	54	2.94	0.07	11	0.32	297	<1	0.01	19	0.07	10	<5	32	0.06	46	<10	77
B1795		1.0	1.59	38	98	2	<2	0.24	0.1	14	24	101	5.10	0.19	12	0.46	367	6	0.04	35	0.13	20	<5	172	0.04	52	<10	96
B1796		0.2	1.91	55	199	3	<2	0.14	<0.1	18	29	101	4.52	0.20	15	0.45	454	4	0.02	39	0.11	36	<5	116	0.05	52	<10	111
B1797		0.5	1.69	57	146	2	<2	0.08	<0.1	10	29	69	4.08	0.13	16	0.32	382	2	0.01	30	0.10	24	<5	60	0.04	48	<10	88
B1798		1.0	2.34	59	193	2	<2	0.18	<0.1	18	27	129	6.04	0.31	18	0.63	570	8	0.04	45	0.20	41	<5	116	0.07	72	<10	147
B1799		0.5	2.38	42	184	2	<2	0.16	<0.1	16	36	104	4.71	0.23	16	0.68	565	5	0.03	41	0.17	23	<5	75	0.06	78	<10	125
B1799*		0.5	2.44	39	189	2	<2	0.17	<0.1	16	36	107	4.79	0.23	17	0.69	580	5	0.03	41	0.18	25	<5	77	0.06	79	<10	128
B1800		0.5	1.69	22	175	1	2	0.17	0.1	10	31	99	4.54	0.30	20	0.64	337	12	0.04	25	0.17	35	<5	123	0.04	65	<10	107
B1801		3.3	1.95	162	97	<1	11	0.91	3.3	24	26	171	3.46	0.10	20	0.35	967	1	0.12	41	0.10	711	9	90	0.04	27	<10	814
B1802		6.0	2.34	484	128	1	15	0.41	3.7	39	10	299	8.06	0.19	16	0.66	848	2	0.03	60	0.14	1802	22	68	0.09	56	<10	1091
B1803		0.4	2.41	166	669	<1	7	0.22	0.2	9	15	199	8.44	0.65	12	1.66	221	<1	0.03	19	0.20	74	11	39	0.32	141	<10	95
B1804		<0.1	2.65	63	189	<1	5	0.51	0.4	15	36	53	3.34	0.09	16	0.55	683	<1	0.02	26	0.12	121	<5	37	0.05	45	<10	158
B1805		0.1	2.55	47	280	1	7	0.34	0.3	13	38	53	3.70	0.18	14	0.90	943	<1	0.02	22	0.09	61	<5	34	0.11	49	<10	120
B1806		0.3	3.06	1000	171	1	19	0.79	0.8	38	38	260	3.98	0.08	26	0.81	1003	<1	0.03	81	0.18	61	6	53	0.05	51	<10	151
B1807		<0.1	2.27	221	214	2	5	0.25	0.3	22	27	142	6.47	0.14	19	0.57	730	6	0.04	55	0.21	34	5	84	0.06	61	<10	121
B1808		<0.1	1.49	43	95	2	4	0.10	<0.1	12	38	34	2.92	0.12	16	0.51	349	<1	<0.01	29	0.07	25	<5	33	0.02	32	<10	57
B1808*		<0.1	1.48	44	93	2	4	0.15	<0.1	12	38	33	2.94	0.12	15	0.50	346	<1	<0.01	29	0.06	24	<5	32	0.02	33	<10	57
B1809		<0.1	2.21	28	192	5	4	0.10	0.8	26	48	62	3.75	0.23	35	0.83	688	3	<0.01	40	0.05	25	<5	27	0.04	60	18	90
B1810		<0.1	1.70	14	159	1	<2	0.17	<0.1	14	37	52	3.51	0.09	21	0.47	546	<1	<0.01	33	0.10	14	<5	21	0.05	51	<10	84
B1811		<0.1	1.80	10	140	2	<2	0.14	<0.1	22	36	65	3.43	0.08	19	0.44	763	4	<0.01	34	0.09	22	<5	23	0.05	46	<10	88
B1812		0.2	2.15	23	142	2	<2	0.19	<0.1	33	33	85	4.26	0.12	21	0.52	1443	4	0.01	36	0.17	29	<5	37	0.06	46	<10	128
B1813		0.4	2.37	30	164	2	<2	0.18	<0.1	24	28	118	5.99	0.25	19	0.62	637	5	0.06	58	0.23	38	6	139	0.07	69	<10	168
B1814		0.1	2.26	28	150	2	<2	0.14	0.1	24	31	93	4.56	0.16	22	0.57	725	2	0.01	47	0.13	26	<5	51	0.07	54	<10	145
B1833		<0.1	1.26	115	93	<1	<2	0.12	<0.1	15	33	43	3.37	0.06	20	0.30	968	3	<0.01	26	0.08	15	<5	14	0.03	46	<10	69
B1834		0.1	1.11	147	144	1	<2	0.13	<0.1	17	41	116	3.50	0.11	26	0.42	1345	1	<0.01	25	0.08	25	<5	19	0.03	40	<10	74
B1835		0.1	1.76	82	91	<1	<2	0.06	<0.1	15	33	62	3.43	0.07	17	0.29	960	<1	<0.01	22	0.08	21	<5	11	0.03	51	<10	80
STD-P1		0.2	0.97	21	178	<1	3	0.82	0.3	6	113	25	2.05	0.32	6	0.78	550	45	0.06	29	0.07	49	<5	81	0.10	33	<10	147

PLACER DOME RESEARCH CENTRE
Geochemical Analysis

Project/Venture: V275 | Geol.: D STRAIN | Date Received: OCT 29, 1991 | Page 3 of 3
Area: LORRIE | Lab Project No.: D1637 | Date Completed: NOV 7, 1991 | Attn: D STRAIN
Remarks: SOIL REJECTS FROM NORTHERN ANALYTICAL LABS | J KOWALCHUK
Au – 10.0 g sample digested with Aqua Regia and determined by A.A. (D.L. 5 PPB) | E KIMURA
ICP – 0.5 g sample digested with 4 ml Aqua Regia at 100 Deg. C for 2 hours. | R HODGSON
N.B. The major oxide elements and Ba, Be, Cr, La and W are rarely dissolved with this acid dissolution method.

SAMPLE No.	Au ppb	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	Sb ppm	Sr ppm	Ti %	V ppm	W ppm	Zn ppm
B1836		<0.1	2.23	43	130	1	<2	0.08	<0.1	12	38	47	3.30	0.05	16	0.36	547	<1	<0.01	25	0.06	13	<5	11	0.04	44	14	65
B1837		0.5	1.76	322	116	1	2	0.14	0.4	30	54	198	3.48	0.14	27	0.46	1364	2	0.02	42	0.13	38	<5	31	0.03	42	10	116
B1838		<0.1	2.49	294	147	1	6	0.12	<0.1	11	31	50	4.09	0.10	22	0.50	242	<1	0.02	22	0.08	16	<5	61	0.08	50	<10	62
B1839		0.2	2.40	280	227	3	7	0.27	<0.1	24	36	95	4.29	0.18	28	0.87	922	<1	<0.01	28	0.08	46	<5	79	0.05	49	<10	86
B1840		<0.1	1.46	65	152	1	5	0.18	<0.1	17	35	55	3.27	0.11	19	0.41	768	<1	<0.01	31	0.06	20	<5	26	0.03	35	<10	64
B1841		<0.1	1.73	42	155	1	<2	0.14	<0.1	16	42	56	3.16	0.06	17	0.47	977	<1	<0.01	27	0.08	17	<5	13	0.04	50	<10	75
B1842		<0.1	2.14	31	153	1	<2	0.12	0.1	13	40	47	3.50	0.08	20	0.54	695	<1	<0.01	30	0.07	15	<5	13	0.05	50	<10	80
B1843		<0.1	1.62	142	201	<1	3	0.15	<0.1	16	39	47	3.33	0.09	19	0.49	636	<1	<0.01	27	0.07	18	<5	17	0.05	44	<10	69
B1844		<0.1	2.30	19	116	1	3	0.08	<0.1	11	39	30	3.28	0.06	14	0.41	388	<1	<0.01	25	0.06	15	<5	10	0.05	47	<10	62
B1844*		<0.1	2.27	17	114	1	<2	0.08	<0.1	11	38	30	3.20	0.06	14	0.40	380	<1	<0.01	24	0.06	17	<5	10	0.05	47	<10	61
B1845		0.1	1.70	22	145	<1	<2	0.07	<0.1	10	37	27	3.03	0.05	13	0.37	349	<1	<0.01	20	0.04	16	<5	9	0.04	46	16	60
B1846		<0.1	1.65	189	100	<1	8	0.16	<0.1	14	43	69	3.24	0.09	17	0.55	611	<1	0.02	22	0.08	23	<5	28	0.04	39	<10	75
B1847		0.3	1.82	459	122	2	6	0.11	<0.1	26	33	177	4.20	0.09	22	0.46	886	<1	0.01	40	0.08	42	<5	29	0.03	41	12	80
B1848		0.2	1.95	225	93	1	<2	0.06	<0.1	14	35	100	3.94	0.06	16	0.35	379	<1	<0.01	26	0.06	28	<5	14	0.04	52	<10	62
B4194		<0.1	3.68	45	237	2	3	1.27	0.2	18	48	48	3.62	0.24	17	1.49	619	<1	0.16	34	0.10	28	<5	123	0.10	68	<10	123
B4196		0.1	3.28	39	267	1	<2	0.90	0.2	21	45	52	3.67	0.24	15	1.83	807	<1	0.12	35	0.09	25	<5	97	0.10	77	<10	136
B4197		0.2	3.28	49	177	2	3	0.59	0.1	27	41	72	4.23	0.16	18	1.56	1264	<1	0.08	46	0.09	32	<5	59	0.09	87	<10	133
B4198		<0.1	3.01	9	210	1	<2	0.33	<0.1	15	43	30	3.26	0.12	14	0.95	596	<1	0.03	35	0.06	18	<5	39	0.09	61	<10	83
B4199		0.2	3.45	18	290	1	3	1.54	<0.1	22	62	38	4.71	0.32	17	1.59	773	<1	0.21	42	0.07	22	<5	144	0.15	96	<10	182
B4199*		0.2	3.19	21	271	1	3	1.51	<0.1	20	60	34	4.46	0.30	16	1.48	703	<1	0.20	39	0.06	21	<5	138	0.14	91	<10	173
B4200		<0.1	2.81	16	222	1	<2	0.64	0.1	22	49	46	4.00	0.20	14	1.22	915	<1	0.04	46	0.08	17	<5	61	0.10	71	16	91
B4201		<0.1	1.92	37	222	<1	3	1.36	<0.1	11	41	24	2.34	0.07	19	0.60	453	1	0.07	21	0.08	29	<5	108	0.05	42	13	73
B4202		<0.1	1.19	33	169	<1	<2	7.16	0.2	8	34	21	1.36	0.07	10	0.33	439	<1	0.07	14	0.08	16	<5	264	0.02	24	<10	61
B4203		<0.1	1.22	144	302	<1	4	1.11	0.1	12	40	44	2.54	0.10	24	0.44	390	<1	0.05	24	0.12	30	<5	105	0.07	47	<10	85
B4204		0.1	1.59	247	170	<1	4	0.37	<0.1	14	30	30	3.89	0.04	13	0.34	1161	3	<0.01	18	0.11	47	<5	72	0.03	55	<10	102
B4205		0.4	2.07	0.59%	74	1	126	1.07	<0.1	25	22	75	4.10	0.03	23	0.29	612	2	0.04	30	0.16	69	<5	108	<0.01	19	<10	71
B4206		0.2	1.81	119	238	<1	6	0.83	<0.1	10	34	30	2.37	0.03	27	0.35	349	<1	0.01	17	0.11	39	<5	50	0.04	32	<10	99
B4207		0.3	2.81	147	133	<1	3	0.24	<0.1	16	16	105	6.69	0.07	14	0.42	454	2	0.01	33	0.14	78	<5	39	0.06	49	<10	107
B4208		<0.1	3.08	185	207	2	<2	0.57	<0.1	20	26	88	5.03	0.10	16	0.49	433	2	0.01	33	0.10	52	12	235	0.07	58	<10	87
STD-P1		0.2	0.98	20	176	<1	<2	0.85	0.1	6	113	25	2.01	0.29	9	0.74	547	50	0.06	28	0.07	46	<5	80	0.10	34	<10	141
B4209		1.9	2.14	2542	184	1	59	0.77	1.0	24	19	83	4.89	0.07	21	0.43	560	<1	0.03	47	0.09	124	17	141	0.03	34	17	184
B4210		<0.1	2.66	113	215	1	<2	0.44	0.3	14	32	54	3.79	0.11	15	0.81	360	<1	0.02	32	0.10	36	8	65	0.05	49	<10	154
B4211		0.3	2.91	227	193	2	3	0.98	0.7	14	31	39	4.17	0.04	33	0.51	494	<1	0.04	32	0.12	191	<5	99	0.02	45	<10	290
B4212		0.4	3.33	33	246	1	<2	0.72	0.2	34	28	133	5.85	0.16	17	0.68	1176	<1	0.02	50	0.16	116	<5	95	0.09	57	<10	279
B4213		0.5	3.75	23	233	2	<2	1.02	<0.1	11	45	52	3.51	0.09	15	0.51	522	<1	0.02	28	0.13	69	7	85	0.08	65	<10	165
B4214		0.2	3.01	122	164	1	4	0.77	0.3	13	33	64	2.91	0.07	24	0.52	799	<1	0.07	25	0.11	72	11	94	0.05	35	<10	151
B4215		0.1	3.96	93	271	2	<2	1.77	0.6	25	27	84	4.13	0.19	15	0.59	720	<1	0.02	34	0.12	49	6	129	0.08	52	<10	157
B4216		0.2	1.39	25	172	<1	6	2.19	1.1	12	29	26	1.75	0.07	15	0.23	1016	<1	0.03	16	0.14	78	<5	103	0.02	17	<10	210
B4217		0.1	2.74	23	176	1	<2	0.27	<0.1	26	24	104	5.75	0.09	16	0.67	708	<1	0.02	53	0.10	44	<5	46	0.08	58	<10	186
B4217*		0.1	2.66	36	173	1	<2	0.25	<0.1	25	24	100	5.60	0.09	15	0.65	688	<1	0.01	51	0.09	45	<5	44	0.08	56	<10	181
B4218		0.4	1.85	22	102	<1	2	1.85	0.9	11	38	33	1.60	0.07	30	0.35	731	2	0.06	20	0.13	81	<5	135	0.04	23	14	249
B4218*		0.3	1.97	23	107	<1	4	1.95	1.0	11	37	33	1.71	0.07	32	0.36	784	<1	0.07	21	0.13	91	<5	139	0.04	23	<10	257

PLACER DOME INC. RESEARCH CENTRE

GEOCHEM LABORATORY

GEOCHEM GOLD TESTS

Procedure

1. Weigh 10.0 g sample into a Coors 07 crucible.
2. Heat in muffle furnace for 4 h @ 600°C.
3. Cool, transfer to 150 mL glass beaker and add 30 mL Aqua Regia (3 parts HCl, 2 parts H_2O, 1 part HNO_3).
4. Digest at just off the boil for 2 hours.
5. Cool, and bulk up to 110 mL mark on beaker.
6. Stir and leave overnight to settle.
7. Decant 50 mL of sample solution into 25 x 200 mm screw cap test tube.
8. Add 7 mL MIBK, cap and turn tube upside down and back at least 25 times.
9. Read organic layer on A.A.

Standards

1. In 250 mL separatory funnel add 10 mL H_2O, 1 mL HCl, 2 drops of HNO_3 and the following amounts of Au:

   0.1 mL of 1000 µg/mL Au stock solution = 1000 ppb
   0.2 mL of 1000 µg/mL Au stock solution = 2000 ppb
   0.4 mL of 1000 µg/mL Au stock solution = 4000 ppb

2. Add 100 mL MIBK and shake for 2 min.
3. Drain aqueous layer.
4. Use saturated MIBK for blank.
5. Set 1000 ppb std on reading of 200 and multiply readings by 5. Detection limit is 5 ppb.
6. For higher samples, standards can be made in 30% aqua and the remaining half of the original sample solution can be run in the aqueous phase.

RAM/:ojt/M001
1990-10-17

PLACER DOME INC. RESEARCH CENTRE

GEOCHEM LABORATORY

STANDARD ICP GEOCHEM PACKAGE METHOD

Elements

Ag Ar As Ba Be Bi Ca Cd Co Cr Cu Fe K

La Mg Mn Mo Na Ni P Pb Sb Sr Ti V W Zn

Procedure

1. Weigh 0.50 g of -80 mesh soil, sediment or -100 mesh pulverized rock into numbered 16 x 150 mm test tubes. Every tenth sample should be a duplicate sample or an internal known reference standard.

2. Add 4 mL Aqua Regia ($HCl:H_2O:HNO_3$ - 3:2:1) at least 12 hours before digestion.

3. Place test tubes in racks in a hot water bath making sure that the water level in the pan is above the level of the sample solution. Digest at 95° C for 2 hours.

4. Cool the sample and bring up to the 10 mL mark with H_2O. Cap, shake and centrifuge the samples.

5. Using a 10 mL Oxford macro pipettor take a 3.0 mL aliquot of the sample solution and transfer it to a clean 16 X 100 mm autosampler tube. Add 4.5 mL H_2O and shake to mix sample.

6. Analyze sample on a Leeman Labs Inductively Coupled Plasma (ICP) model PS 3000 using matrix matched calibration standards.

7. Ag only is determined by Atomic Absorption using a Perkin Elmer model 3100 AA, analyzing the original sample solution. Background correction is used for this determination

RAM:gmm/M006
1990-11-14

APPENDIX C

Geochemical Statistics

P L A C E R D O M E I N C .

Placer Data Analysis System - STATS

run on 91:11:19 at 11:09:07

LOCATIONS & ANALYSIS FOR THE LORRIE GRID SOILS

Summary of data from file : lorrigrd.s

This data file contains an internal header: (7 records)
Data grouped into 33 fields
with format: (1A6,1A7,F12.2,F13.2,29F9.0)

Character ID fields:
GRDE GRDN

Coordinate fields:
X Y

Other data fields:

AG	AL	AS	AU	AU2	BA	BE	BI	CA	CD	CO	CR
CU	FE	K	LA	MG	MN	MO	NA	NI	P	PB	SB
SR	TI	V	W	ZN							

Missing data indicated by NULL value 99999.0

BASIC STATISTICS OF SELECTED DATA FIELDS:

NAME	NDATA	NULLS	MINIMUM	MAXIMUM	MEAN	STD. DEV.	GEOM. M
AU	78	1	11.0000	6000.00	769.410	1564.14	163.905
AG	79	0	.100000	190.000	4.75823	21.3525	1.20829
AS	79	0	14.0000	21300.0	1074.72	2513.76	432.874
CU	79	0	26.0000	2163.00	223.823	337.607	127.475
PB	79	0	14.0000	26000.0	639.886	2951.05	159.966
ZN	79	0	72.0000	3200.00	301.722	457.721	210.081
SB	79	0	2.50000	8700.00	174.570	979.567	26.9929
BI	79	0	1.00000	262.000	12.7342	32.3664	4.57500

CORMAT: RUN ON 91:11:19 AT 11:09:07

Data from file: lorrigrd.s

LOCATIONS & ANALYSIS FOR THE LORRIE GRID SOILS

Correlation matrix for 79 records with 8 variables

	AU	AG	AS	CU	PB	ZN	SB	BI
LOG:	0	0	0	0	0	0	0	0
AU	1.000	-.051	-.070	-.051	-.062	-.010	-.062	-.078
AG	-.051	1.000	.087	.110	.988	.766	.990	.161
AS	-.070	.087	1.000	.834	.029	.087	.020	.968
CU	-.051	.110	.834	1.000	.034	.031	.031	.812
PB	-.062	.988	.029	.034	1.000	.836	.994	.093
ZN	-.010	.766	.087	.031	.836	1.000	.791	.099
SB	-.062	.990	.020	.031	.994	.791	1.000	.088
BI	-.078	.161	.968	.812	.093	.099	.088	1.000

Number of data pairs contributing to correlation

	AU	AG	AS	CU	PB	ZN	SB	BI
AU	78	78	78	78	78	78	78	78
AG	78	79	79	79	79	79	79	79
AS	78	79	79	79	79	79	79	79
CU	78	79	79	79	79	79	79	79
PB	78	79	79	79	79	79	79	79
ZN	78	79	79	79	79	79	79	79
SB	78	79	79	79	79	79	79	79
BI	78	79	79	79	79	79	79	79

HISTO: LOCATIONS & ANALYSIS FOR THE LORRIE GRID SOILS

File: lorrigrd.s Field name: AU LOG = 0 REPVAL = .00

78 SAMPLES WITH AU MINIMUM: 11.0000 MAXIMUM: 6000.00

61 VALUES PLOTTED: 17 NOT IN RANGE 10.0000 to 500.000

MEAN: 117.869 STD. DEV.: 107.154 Median 82.0000

SCALE OF HISTOGRAM IS .20 COUNTS /PRINT POSITION # = 5,50,95%

N	MIDPOINT	PERCENT	0 2.0 4.0 6.0 8.0
			I---------I---------I---------I---------I
3	10.000	4.92	I*************** I
8	22.250	# 13.11	I**I
7	34.500	11.48	I********************************** I
6	46.750	9.84	I****************************** I
4	59.000	6.56	I******************** I
2	71.250	3.28	I********** I
2	83.500	# 3.28	I********** I
3	95.750	4.92	I*************** I
3	108.00	4.92	I*************** I
1	120.25	1.64	I***** I
4	132.50	6.56	I******************** I
0	144.75	.00	I I
1	157.00	1.64	I***** I
2	169.25	3.28	I********** I
1	181.50	1.64	I***** I
1	193.75	1.64	I***** I
0	206.00	.00	I 208 I
3	218.25	4.92	I*************** I
1	230.50	1.64	I***** I
2	242.75	3.28	I********** I
1	255.00	1.64	I***** I
1	267.25	1.64	I***** I
2	279.50	# 3.28	I********** I
0	291.75	.00	I I
0	304.00	.00	I I
0	316.25	.00	I I
0	328.50	.00	I I
0	340.75	.00	I I
0	353.00	.00	I I
0	365.25	.00	I I
0	377.50	.00	I I
0	389.75	.00	I I
0	402.00	.00	I I
1	414.25	1.64	I***** I
0	426.50	.00	I I
1	438.75	1.64	I***** I
1	451.00	1.64	I***** I
0	463.25	.00	I I
0	475.50	.00	I I
0	487.75	.00	I I
0	500.00	.00	I I
-----			I---------I---------I---------I---------I
61			0 2.0 4.0 6.0 8.0

HISTO: LOCATIONS & ANALYSIS FOR THE LORRIE GRID SOILS

File: lorrigrd.s Field name: AG LOG = 0 REPVAL = .00

79 SAMPLES WITH AG MINIMUM: .100000 MAXIMUM: 190.000

78 VALUES PLOTTED: 1 NOT IN RANGE .000000 to 15.0000

MEAN: 2.38333 STD. DEV.: 3.23914 Median .900000

SCALE OF HISTOGRAM IS 1.00 COUNTS /PRINT POSITION # = 5,50,95%

N	MIDPOINT	PERCENT	0 10.0 20 30 40
			I---------I---------I---------I---------I
1	.00000	1.28	I* I
25	.37500	# 32.05	I************************* I
14	.75000	# 17.95	I************** I
6	1.1250	7.69	I****** I
4	1.5000	5.13	I**** I
2	1.8750	2.56	I** I
2	2.2500	2.56	I** I
4	2.6250	5.13	I**** I
3	3.0000	3.85	I*** I
2	3.3750	2.56	I** I
2	3.7500	2.56	I** I
0	4.1250	.00	I I
1	4.5000	1.28	I* I
1	4.8750	1.28	I* I
1	5.2500	1.28	I* I
0	5.6250	.00	I I
1	6.0000	1.28	I* I
0	6.3750	.00	I I
0	6.7500	.00	I I
1	7.1250	1.28	I* I
0	7.5000	.00	I I
2	7.8750	2.56	I** I
0	8.2500	.00	I I
0	8.6250	.00	I I
1	9.0000	1.28	I* I
0	9.3750	.00	I I
0	9.7500	.00	I I
2	10.125	# 2.56	I** I
0	10.500	.00	I I
0	10.875	.00	I I
0	11.250	.00	I I
0	11.625	.00	I I
1	12.000	1.28	I* I
0	12.375	.00	I I
0	12.750	.00	I I
0	13.125	.00	I I
0	13.500	.00	I I
2	13.875	2.56	I** I
0	14.250	.00	I I
0	14.625	.00	I I
0	15.000	.00	I I
-----			I---------I---------I---------I---------I
78			0 10.0 20 30 40

2.0

4.0

HISTO: LOCATIONS & ANALYSIS FOR THE LORRIE GRID SOILS

File: lorrigrd.s Field name: AS LOG = 0 REPVAL = .00

79 SAMPLES WITH AS MINIMUM: 14.0000 MAXIMUM: 21300.0

76 VALUES PLOTTED: 3 NOT IN RANGE .000000 to 3500.00

MEAN: 702.671 STD. DEV.: 738.226 Median 490.000

SCALE OF HISTOGRAM IS .40 COUNTS /PRINT POSITION # = 5,50,95%

N	MIDPOINT	PERCENT	0 4.0 8.0 12 16
			I---------I---------I---------I---------I
5	.00000	# 6.58	I********** I
11	87.500	14.47	I*************************** I
7	175.00	9.21	I****************** I
4	262.50	5.26	I********** I
8	350.00	10.53	I********************* I
3	437.50	3.95	I******** I
5	525.00	6.58	I********** I
7	612.50	9.21	I****************** I
3	700.00	3.95	I******** I
2	787.50	2.63	I***** I
2	875.00	2.63	I***** I
4	962.50	5.26	I********** I
1	1050.0	1.32	I*** I
0	1137.5	.00	I I
1	1225.0	1.32	I*** I
1	1312.5	1.32	I*** I
1	1400.0	1.32	I*** I
1	1487.5	1.32	I*** I
1	1575.0	1.32	I*** I
0	1662.5	.00	I I
1	1750.0	1.32	I*** I
1	1837.5	1.32	I*** I
0	1925.0	.00	I I
1	2012.5	1.32	I*** I
0	2100.0	.00	I I
0	2187.5	.00	I I
1	2275.0	1.32	I*** I
0	2362.5	.00	I I
1	2450.0	1.32	I*** I
2	2537.5	# 2.63	I***** I
0	2625.0	.00	I I
0	2712.5	.00	I I
0	2800.0	.00	I I
1	2887.5	1.32	I*** I
0	2975.0	.00	I I
0	3062.5	.00	I I
0	3150.0	.00	I I
1	3237.5	1.32	I*** I
0	3325.0	.00	I I
0	3412.5	.00	I I
0	3500.0	.00	I I
-----			I---------I---------I---------I---------I
76			0 4.0 8.0 12 16

500

HISTO: LOCATIONS & ANALYSIS FOR THE LORRIE GRID SOILS

File: lorrigrd.s Field name: CU LOG = 0 REPVAL = .00

79 SAMPLES WITH CU MINIMUM: 26.0000 MAXIMUM: 2163.00

70 VALUES PLOTTED: 9 NOT IN RANGE .000000 to 500.000

MEAN: 123.286 STD. DEV.: 96.9082 Median 104.000

SCALE OF HISTOGRAM IS .40 COUNTS /PRINT POSITION # = 5,50,95%

N	MIDPOINT	PERCENT	0 4.0 8.0 12 16
			I---------I---------I---------I---------I
0	.00000	.00	I I
0	12.500	.00	I I
2	25.000	2.86	I***** I
6	37.500	# 8.57	I*************** I
2	50.000	2.86	I***** I
10	62.500	14.29	I************************** I
8	75.000	11.43	I******************** I
5	87.500	7.14	I************ I
3	100.00	# 4.29	I******** I
11	112.50	15.71	I***************************** I
5	125.00	7.14	I************ I
2	137.50	2.86	I***** I
4	150.00	5.71	I********** I
2	162.50	2.86	I***** I
1	175.00	1.43	I*** I
0	187.50	.00	I I
0	200.00	.00	I I
0	212.50	.00	I I
0	225.00	.00	I I
2	237.50	2.86	I***** I
0	250.00	.00	I I
0	262.50	.00	I I
1	275.00	1.43	I*** I
0	287.50	.00	I I
1	300.00	1.43	I*** I
0	312.50	.00	I I
1	325.00	1.43	I*** I
0	337.50	.00	I I
0	350.00	.00	I I
0	362.50	.00	I I
1	375.00	# 1.43	I*** I
0	387.50	.00	I I
1	400.00	1.43	I*** I
0	412.50	.00	I I
0	425.00	.00	I I
0	437.50	.00	I I
0	450.00	.00	I I
1	462.50	1.43	I*** I
1	475.00	1.43	I*** I
0	487.50	.00	I I
0	500.00	.00	I I
-----			I---------I---------I---------I---------I
70			0 4.0 8.0 12 16

HISTO: LOCATIONS & ANALYSIS FOR THE LORRIE GRID SOILS

File: lorrigrd.s Field name: PB LOG = 0 REPVAL = .00

79 SAMPLES WITH PB MINIMUM: 14.0000 MAXIMUM: 26000.0

71 VALUES PLOTTED: 8 NOT IN RANGE .000000 to 600.000

MEAN: 179.662 STD. DEV.: 162.080 Median 129.000

SCALE OF HISTOGRAM IS .50 COUNTS /PRINT POSITION # = 5,50,95%

N	MIDPOINT	PERCENT	0 5.0 10.0 15 20
			I---------I---------I---------I---------I
0	.00000	.00	I
1	15.000	1.41	I**
1	30.000	1.41	I**
18	45.000	# 25.35	I************************************
7	60.000	9.86	I**************
2	75.000	2.82	I****
3	90.000	4.23	I******
2	105.00	2.82	I****
1	120.00	1.41	I**
5	135.00	# 7.04	I**********
3	150.00	4.23	I******
2	165.00	2.82	I****
2	180.00	2.82	I****
4	195.00	5.63	I********
0	210.00	.00	I
1	225.00	1.41	I**
0	240.00	.00	I
0	255.00	.00	I
3	270.00	4.23	I******
1	285.00	1.41	I**
1	300.00	1.41	I**
1	315.00	1.41	I**
0	330.00	.00	I
1	345.00	1.41	I**
0	360.00	.00	I
2	375.00	2.82	I****
0	390.00	.00	I
0	405.00	.00	I
1	420.00	1.41	I**
0	435.00	.00	I
1	450.00	1.41	I**
0	465.00	.00	I
0	480.00	.00	I
2	495.00	2.82	I****
1	510.00	1.41	I**
0	525.00	.00	I
3	540.00	# 4.23	I******
1	555.00	1.41	I**
1	570.00	1.41	I**
0	585.00	.00	I
0	600.00	.00	I
-----			I---------I---------I---------I---------I
71			0 5.0 10.0 15 20

HISTO: LOCATIONS & ANALYSIS FOR THE LORRIE GRID SOILS

File: lorrigrd.s Field name: ZN LOG = 0 REPVAL = .00

79 SAMPLES WITH ZN MINIMUM: 72.0000 MAXIMUM: 3200.00

72 VALUES PLOTTED: 7 NOT IN RANGE 50.0000 to 500.000

MEAN: 199.861 STD. DEV.: 96.8270 Median 163.500

SCALE OF HISTOGRAM IS .40 COUNTS /PRINT POSITION # = 5,50,95%

N	MIDPOINT	PERCENT	0 4.0 8.0 12 16
			I---------I---------I---------I---------I
0	50.000	.00	I
0	61.250	.00	I
1	72.500	1.39	I***
1	83.750	1.39	I***
1	95.000	1.39	I***
7	106.25	# 9.72	I******************
11	117.50	15.28	I******************************
6	128.75	8.33	I***************
3	140.00	4.17	I********
3	151.25	4.17	I********
5	162.50	# 6.94	I************
3	173.75	4.17	I********
2	185.00	2.78	I*****
2	196.25	2.78	I*****
0	207.50	.00	I ——————————— 200
1	218.75	1.39	I***
2	230.00	2.78	I*****
1	241.25	1.39	I***
3	252.50	4.17	I********
1	263.75	1.39	I***
2	275.00	2.78	I*****
4	286.25	5.56	I**********
3	297.50	4.17	I********
1	308.75	1.39	I***
1	320.00	1.39	I***
1	331.25	1.39	I***
0	342.50	.00	I
0	353.75	.00	I ———————————
0	365.00	.00	I
1	376.25	1.39	I***
2	387.50	2.78	I*****
1	398.75	# 1.39	I***
1	410.00	1.39	I***
0	421.25	.00	I
1	432.50	1.39	I***
0	443.75	.00	I
1	455.00	1.39	I***
0	466.25	.00	I
0	477.50	.00	I
0	488.75	.00	I
0	500.00	.00	I
			I---------I---------I---------I---------I
72			0 4.0 8.0 12 16

HISTO: LOCATIONS & ANALYSIS FOR THE LORRIE GRID SOILS

File: lorrigrd.s Field name: SB LOG = 0 REPVAL = .00

79 SAMPLES WITH SB MINIMUM: 2.50000 MAXIMUM: 8700.00

73 VALUES PLOTTED: 6 NOT IN RANGE .000000 to 225.000

MEAN: 40.6301 STD. DEV.: 47.8485 Median 24.0000

SCALE OF HISTOGRAM IS .40 COUNTS /PRINT POSITION # = 5,50,95%

N	MIDPOINT	PERCENT	0 4.0 8.0 12 16
			I---------I---------I---------I---------I
10	.00000	# 13.70	I************************ I
8	5.6250	10.96	I******************** I
11	11.250	15.07	I*************************** I
5	16.875	6.85	I************ I
5	22.500	# 6.85	I************ I
5	28.125	6.85	I************ I
4	33.750	5.48	I********** I
3	39.375	4.11	I******** I
3	45.000	4.11	I******** I
2	50.625	2.74	I***** I
2	56.250	2.74	I***** I
0	61.875	.00	I I
1	67.500	1.37	I*** I
2	73.125	2.74	I***** I
2	78.750	2.74	I***** I
0	84.375	.00	I I
0	90.000	.00	I I
1	95.625	1.37	I*** I
1	101.25	1.37	I*** I
0	106.88	.00	I I
0	112.50	.00	I I
3	118.13	4.11	I******** I
0	123.75	.00	I I
0	129.38	.00	I I
0	135.00	.00	I I
0	140.63	.00	I I
0	146.25	.00	I I
1	151.88	1.37	I*** I
0	157.50	.00	I I
1	163.13	# 1.37	I*** I
0	168.75	.00	I I
0	174.38	.00	I I
1	180.00	1.37	I*** I
0	185.63	.00	I I
0	191.25	.00	I I
2	196.88	2.74	I***** I
0	202.50	.00	I I
0	208.13	.00	I I
0	213.75	.00	I I
0	219.38	.00	I I
0	225.00	.00	I I
-----			I---------I---------I---------I---------I
73			0 4.0 8.0 12 16

P L A C E R D O M E I N C .

Placer Data Analysis System - STATS

run on 91:11:18 at 14:05:01

LOCATIONS & ANALYSIS FOR ALL TALUS FINES; LORRIE

Summary of data from file : lorritl.s

This data file contains an internal header: (7 records)
Data grouped into 33 fields
with format: (1A6,1A4,F12.2,F12.2,29F9.0)

Character ID fields:
SAMP TYPE

Coordinate fields:
X Y

Other data fields:

AG	AL	AS	AU	AU2	BA	BE	BI	CA	CD	CO	CR
CU	FE	K	LA	MG	MN	MO	NA	NI	P	PB	SB
SR	TI	V	W	ZN							

Missing data indicated by NULL value 99999.0

BASIC STATISTICS OF SELECTED DATA FIELDS:

NAME	NDATA	NULLS	MINIMUM	MAXIMUM	MEAN	STD. DEV.	GEOM. M
AU	186	1	5.00000	1518.00	118.430	201.755	45.2147

CORMAT: RUN ON 91:11:18 AT 14:28:32

Data from file: lorritl.s

LOCATIONS & ANALYSIS FOR ALL TALUS FINES; LORRIE

Correlation matrix for 187 records with 7 variables

	AU	AG	AS	CU	PB	ZN	SB
LOG:	0	0	0	0	0	0	0
AU	1.000	.234	.137	.227	-.023	-.021	-.042
AG	.234	1.000	.695	.876	.505	.177	.235
AS	.137	.695	1.000	.782	.047	.017	.158
CU	.227	.876	.782	1.000	.071	.052	.277
PB	-.023	.505	.047	.071	1.000	.327	.224
ZN	-.021	.177	.017	.052	.327	1.000	.130
SB	-.042	.235	.158	.277	.224	.130	1.000

Number of data pairs contributing to correlation

	AU	AG	AS	CU	PB	ZN	SB
AU	186	185	186	186	186	186	186
AG	185	186	186	186	186	186	186
AS	186	186	187	187	187	187	187
CU	186	186	187	187	187	187	187
PB	186	186	187	187	187	187	187
ZN	186	186	187	187	187	187	187
SB	186	186	187	187	187	187	187

HISTO: LOCATIONS & ANALYSIS FOR ALL TALUS FINES; LORRIE

File: lorritl.s Field name: AU LOG = 0 REPVAL = .00

186 SAMPLES WITH AU MINIMUM: 5.00000 MAXIMUM: 1518.00

173 VALUES PLOTTED: 13 NOT IN RANGE .500000 to 350.000

MEAN: 74.9884 STD. DEV.: 82.7222 Median 38.0000

SCALE OF HISTOGRAM IS 2.00 COUNTS /PRINT POSITION # = 5,50,95%

N	MIDPOINT	PERCENT	0 20 40 60 80
			I---------I---------I---------I---------I
0	.50000	.00	I I
44	9.2375	# 25.43	I********** I
14	17.975	8.09	I******* I
20	26.713	11.56	I********** I
12	35.450	# 6.94	I****** I
12	44.188	6.94	I****** I
1	52.925	.58	I* I
5	61.662	2.89	I*** I
5	70.400	2.89	I*** I
3	79.138	1.73	I** I
4	87.875	2.31	I** I
3	96.613	1.73	I** I
4	105.35	2.31	I** I
1	114.09	.58	I* I
9	122.83	5.20	I***** I
3	131.56	1.73	I** I
1	140.30	.58	I* I
2	149.04	1.16	I* I
1	157.78	.58	I* I
3	166.51	1.73	I** I
4	175.25	2.31	I** I
3	183.99	1.73	I** I
0	192.73	.00	I I
0	201.46	.00	I I
5	210.20	2.89	I*** I
2	218.94	1.16	I* I
1	227.68	.58	I* I
0	236.41	.00	I I
0	245.15	.00	I I
2	253.89	1.16	I* I
0	262.63	.00	I I
0	271.36	.00	I I
1	280.10	# .58	I* I
3	288.84	1.73	I** I
0	297.58	.00	I I
2	306.31	1.16	I* I
2	315.05	1.16	I* I
0	323.79	.00	I I
0	332.52	.00	I I
1	341.26	.58	I* I
0	350.00	.00	I I
-----			I---------I---------I---------I---------I
173			0 20 40 60 80

HISTO: LOCATIONS & ANALYSIS FOR ALL TALUS FINES; LORRIE

File: lorritl.s Field name: AG LOG = 0 REPVAL = .00

186 SAMPLES WITH AG MINIMUM: .500000E-01 MAXIMUM: 10.0000

170 VALUES PLOTTED: 16 NOT IN RANGE .000000 to 3.00000

MEAN: .598824 STD. DEV.: .568970 Median .400000

SCALE OF HISTOGRAM IS 2.00 COUNTS /PRINT POSITION # = 5,50,95%

N	MIDPOINT	PERCENT	0 20 40 60 80
			I---------I---------I---------I---------I
0	.00000	.00	I I
41	.75000E-01	# 24.12	I********** I
0	.15000	.00	I I
16	.22500	9.41	I******** I
18	.30000	10.59	I********* I
12	.37500	# 7.06	I****** I
0	.45000	.00	I I
13	.52500	7.65	I******* I
11	.60000	6.47	I****** I
8	.67500	4.71	I**** I
0	.75000	.00	I I
9	.82500	5.29	I***** I
7	.90000	4.12	I**** I
7	.97500	4.12	I**** I
0	1.0500	.00	I 1.0 I
3	1.1250	1.76	I** I
6	1.2000	3.53	I*** I
1	1.2750	.59	I* I
0	1.3500	.00	I I
2	1.4250	1.18	I* I
1	1.5000	.59	I* I
1	1.5750	.59	I* I
0	1.6500	.00	I I
4	1.7250	2.35	I** I
1	1.8000	.59	I* I
1	1.8750	# .59	I* I
0	1.9500	.00	I I
3	2.0250	1.76	I** I
0	2.1000	.00	I I
2	2.1750	1.18	I* I
0	2.2500	.00	I I
1	2.3250	.59	I* I
1	2.4000	.59	I* I
0	2.4750	.00	I I
0	2.5500	.00	I I
0	2.6250	.00	I I
0	2.7000	.00	I I
1	2.7750	.59	I* I
0	2.8500	.00	I I
0	2.9250	.00	I I
0	3.0000	.00	I I
-----			I---------I---------I---------I---------I
170			0 20 40 60 80

HISTO: LOCATIONS & ANALYSIS FOR ALL TALUS FINES; LORRIE

File: lorritl.s Field name: AS LOG = 0 REPVAL = .00

187 SAMPLES WITH AS MINIMUM: 2.50000 MAXIMUM: 13000.0

161 VALUES PLOTTED: 26 NOT IN RANGE .000000 to 2500.00

MEAN: 580.618 STD. DEV.: 648.694 Median 279.000

SCALE OF HISTOGRAM IS 1.00 COUNTS /PRINT POSITION # = 5,50,95%

N	MIDPOINT	PERCENT	0 10.0 20 30 40
			I---------I---------I---------I---------I
23	.00000	# 14.29	I********** I
23	62.500	14.29	I********** I
14	125.00	8.70	I********** I
10	187.50	6.21	I********** I
12	250.00	# 7.45	I********** I
4	312.50	2.48	I**** I
5	375.00	3.11	I***** I
5	437.50	3.11	I***** I
5	500.00	3.11	I***** I
4	562.50	2.48	I**** I
2	625.00	1.24	I** I
4	687.50	2.48	I**** I
1	750.00	.62	I* I
2	812.50	1.24	I** I
8	875.00	4.97	I******** I
3	937.50	1.86	I*** I
2	1000.0	1.24	I** I
1	1062.5	.62	I* I
0	1125.0	.00	I I
2	1187.5	1.24	I** I
2	1250.0	1.24	I** I
1	1312.5	.62	I* I
4	1375.0	2.48	I**** I
4	1437.5	2.48	I**** I
1	1500.0	.62	I* I
4	1562.5	2.48	I**** I
3	1625.0	1.86	I*** I
2	1687.5	1.24	I** I
1	1750.0	.62	I* I
1	1812.5	# .62	I* I
0	1875.0	.00	I I
1	1937.5	.62	I* I
0	2000.0	.00	I I
0	2062.5	.00	I I
1	2125.0	.62	I* I
0	2187.5	.00	I I
1	2250.0	.62	I* I
0	2312.5	.00	I I
1	2375.0	.62	I* I
1	2437.5	.62	I* I
3	2500.0	1.86	I*** I
-----			I---------I---------I---------I---------I
161			0 10.0 20 30 40

HISTO: LOCATIONS & ANALYSIS FOR ALL TALUS FINES; LORRIE

File: lorritl.s Field name: CU LOG = 0 REPVAL = .00

187 SAMPLES WITH CU MINIMUM: 14.0000 MAXIMUM: 3955.00

170 VALUES PLOTTED: 17 NOT IN RANGE .000000 to 625.000

MEAN: 181.200 STD. DEV.: 145.370 Median 142.500

SCALE OF HISTOGRAM IS .50 COUNTS /PRINT POSITION # = 5,50,95%

N	MIDPOINT	PERCENT	0 5.0 10.0 15 20
			I---------I---------I---------I---------I
0	.00000	.00	I
7	15.625	4.12	I**************
12	31.250	# 7.06	I************************
17	46.875	10.00	I**********************************
13	62.500	7.65	I***************************
5	78.125	2.94	I**********
7	93.750	4.12	I**************
11	109.38	6.47	I**********************
7	125.00	4.12	I**************
11	140.63	# 6.47	I**********************
6	156.25	3.53	I************
7	171.88	4.12	I**************
6	187.50	3.53	I************
7	203.13	4.12	I**************
5	218.75	2.94	I**********
3	234.38	1.76	I******
4	250.00	2.35	I********
8	265.63	4.71	I****************
2	281.25	1.18	I****
2	296.88	1.18	I****
0	312.50	.00	I
2	328.13	1.18	I****
4	343.75	2.35	I********
3	359.38	1.76	I******
3	375.00	1.76	I******
1	390.63	.59	I**
1	406.25	.59	I**
2	421.88	1.18	I****
2	437.50	1.18	I****
0	453.13	.00	I
0	468.75	.00	I
2	484.38	1.18	I****
2	500.00	# 1.18	I****
1	515.63	.59	I**
2	531.25	1.18	I****
1	546.88	.59	I**
1	562.50	.59	I**
1	578.13	.59	I**
0	593.75	.00	I
0	609.38	.00	I
2	625.00	1.18	I****
-----			I---------I---------I---------I---------I
170			0 5.0 10.0 15 20

HISTO: LOCATIONS & ANALYSIS FOR ALL TALUS FINES; LORRIE

File: lorritl.s Field name: PB LOG = 0 REPVAL = .00

187 SAMPLES WITH PB MINIMUM: 9.00000 MAXIMUM: 6000.00

171 VALUES PLOTTED: 16 NOT IN RANGE .000000 to 170.000

MEAN: 53.9006 STD. DEV.: 32.4845 Median 48.0000

SCALE OF HISTOGRAM IS .40 COUNTS /PRINT POSITION # = 5,50,95%

N	MIDPOINT	PERCENT	0 4.0 8.0 12 16
			I---------I---------I---------I---------I
0	.00000	.00	I I
0	4.2500	.00	I I
2	8.5000	1.17	I***** I
7	12.750	# 4.09	I****************** I
12	17.000	7.02	I******************************** I
10	21.250	5.85	I************************** I
11	25.500	6.43	I***************************** I
9	29.750	5.26	I************************ I
10	34.000	5.85	I************************** I
7	38.250	4.09	I****************** I
10	42.500	5.85	I************************** I
11	46.750	# 6.43	I***************************** I
10	51.000	5.85	I************************** I
7	55.250	4.09	I****************** I
3	59.500	1.75	I******** • I
4	63.750	2.34	I********** I
11	68.000	6.43	I***************************** I
6	72.250	3.51	I*************** I
7	76.500	4.09	I****************** I
3	80.750	1.75	I******** I
7	85.000	4.09	I****************** I
1	89.250	.58	I*** I
5	93.500	2.92	I************ I
2	97.750	1.17	I***** I
3	102.00	1.75	I******** I
2	106.25	1.17	I***** I
2	110.50	1.17	I***** I
0	114.75	.00	I I
2	119.00	# 1.17	I***** I
1	123.25	.58	I*** I
0	127.50	.00	I I
0	131.75	.00	I I
0	136.00	.00	I I
3	140.25	1.75	I******** I
1	144.50	.58	I*** I
0	148.75	.00	I I
0	153.00	.00	I I
1	157.25	.58	I*** I
0	161.50	.00	I I
1	165.75	.58	I*** I
0	170.00	.00	I I
-----			I---------I---------I---------I---------I
171			0 4.0 8.0 12 16

HISTO: LOCATIONS & ANALYSIS FOR ALL TALUS FINES; LORRIE

File: lorritl.s Field name: ZN LOG = 0 REPVAL = .00

187 SAMPLES WITH ZN MINIMUM: 35.0000 MAXIMUM: 1536.00

183 VALUES PLOTTED: 4 NOT IN RANGE .000000 to 700.000

MEAN: 146.093 STD. DEV.: 113.518 Median 102.000

SCALE OF HISTOGRAM IS 1.00 COUNTS /PRINT POSITION # = 5,50,95%

N	MIDPOINT	PERCENT	0 10.0 20 30 40
			I---------I---------I---------I---------I
0	.00000	.00	I I
0	17.500	.00	I I
2	35.000	1.09	I** I
10	52.500	# 5.46	I********** I
31	70.000	16.94	I********************************* I
33	87.500	18.03	I********************************** I
29	105.00	# 15.85	I***************************** I
13	122.50	7.10	I************* I
10	140.00	5.46	I********** I
8	157.50	4.37	I******** I
8	175.00	4.37	I******** I
5	192.50	2.73	I***** I
5	210.00	2.73	I***** I
3	227.50	1.64	I*** I
4	245.00	2.19	I**** I
2	262.50	1.09	I** I
3	280.00	1.64	I*** I
3	297.50	1.64	I*** I
1	315.00	.55	I* I
1	332.50	.55	I* I
1	350.00	.55	I* I
0	367.50	.00	I I
2	385.00	# 1.09	I** I
1	402.50	.55	I* I
1	420.00	.55	I* I
1	437.50	.55	I* I
0	455.00	.00	I I
1	472.50	.55	I* I
1	490.00	.55	I* I
0	507.50	.00	I I
0	525.00	.00	I I
0	542.50	.00	I I
0	560.00	.00	I I
1	577.50	.55	I* I
0	595.00	.00	I I
0	612.50	.00	I I
0	630.00	.00	I I
2	647.50	1.09	I** I
0	665.00	.00	I I
1	682.50	.55	I* I
0	700.00	.00	I I
-----			I---------I---------I---------I---------I
183			0 10.0 20 30 40

HISTO: LOCATIONS & ANALYSIS FOR ALL TALUS FINES; LORRIE

File: lorritl.s Field name: SB LOG = 0 REPVAL = .00

187 SAMPLES WITH SB MINIMUM: 2.50000 MAXIMUM: 1829.00

185 VALUES PLOTTED: 2 NOT IN RANGE .000000 to 75.0000

MEAN: 12.2324 STD. DEV.: 14.1367 Median 6.00000

SCALE OF HISTOGRAM IS 4.00 COUNTS /PRINT POSITION # = 5,50,95%

N	MIDPOINT	PERCENT	0 40 80 120 160
			I---------I---------I---------I---------I
0	.00000	.00	I
86	1.8750	# 46.49	I**********
0	3.7500	.00	I
11	5.6250	# 5.95	I***
5	7.5000	2.70	I*
13	9.3750	7.03	I***
8	11.250	4.32	I**
9	13.125	4.86	I**
2	15.000	1.08	I*
6	16.875	3.24	I**
5	18.750	2.70	I*
5	20.625	2.70	I*
4	22.500	2.16	I*
2	24.375	1.08	I*
6	26.250	3.24	I**
5	28.125	2.70	I*
0	30.000	.00	I
1	31.875	.54	I
2	33.750	1.08	I*
1	35.625	.54	I
2	37.500	1.08	I*
2	39.375	1.08	I*
0	41.250	.00	I
1	43.125	# .54	I
1	45.000	.54	I
0	46.875	.00	I
1	48.750	.54	I
0	50.625	.00	I
0	52.500	.00	I
0	54.375	.00	I
2	56.250	1.08	I*
2	58.125	1.08	I*
0	60.000	.00	I
1	61.875	.54	I
2	63.750	1.08	I*
0	65.625	.00	I
0	67.500	.00	I
0	69.375	.00	I
0	71.250	.00	I
0	73.125	.00	I
0	75.000	.00	I
-----			I---------I---------I---------I---------I
185			0 40 80 120 160

P L A C E R D O M E I N C .

Placer Data Analysis System - STATS

run on 91:11:18 at 15:05:43

LOCATIONS & ANALYSIS FOR ALL SOILS; LORRIE

Summary of data from file : lorrixx.s

This data file contains an internal header: (7 records)
Data grouped into 33 fields
with format: (1A6,1A4,F12.2,F12.2,29F9.0)

Character ID fields:
SAMP TYPE

Coordinate fields:
X Y

Other data fields:

AG	AL	AS	AU	AU2	BA	BE	BI	CA	CD	CO	CR
CU	FE	K	LA	MG	MN	MO	NA	NI	P	PB	SB
SR	TI	V	W	ZN							

Missing data indicated by NULL value 99999.0

BASIC STATISTICS OF SELECTED DATA FIELDS:

NAME	NDATA	NULLS	MINIMUM	MAXIMUM	MEAN	STD. DEV.	GEOM. M
AU	514	3	2.50000	6000.00	85.8414	325.551	18.7217
AG	512	5	.500000E-01	17.0000	.760059	1.61337	.308596
AS	513	4	2.50000	14100.0	469.615	1162.37	102.074
CU	513	4	.500000	2573.00	152.549	257.790	77.8861
PB	513	4	1.00000	8400.00	116.146	462.536	40.7783
SB	513	4	2.50000	1368.00	19.7836	80.8007	6.74046
BI	513	4	1.00000	403.000	10.8772	29.1843	4.59186

CORMAT: RUN ON 91:11:18 AT 15:05:43

Data from file: lorrixx.s

LOCATIONS & ANALYSIS FOR ALL SOILS; LORRIE

Correlation matrix for 517 records with 7 variables

	AU	AG	AS	CU	PB	SB	BI
LOG:	0	0	0	0	0	0	0
AU	1.000	.055	.139	.130	-.017	-.008	.172
AG	.055	1.000	.306	.383	.818	.513	.200
AS	.139	.306	1.000	.494	.126	.178	.576
CU	.130	.383	.494	1.000	.047	.081	.389
PB	-.017	.818	.126	.047	1.000	.867	.021
SB	-.008	.513	.178	.081	.867	1.000	.048
BI	.172	.200	.576	.389	.021	.048	1.000

Number of data pairs contributing to correlation

	AU	AG	AS	CU	PB	SB	BI
AU	514	509	510	510	510	510	510
AG	509	512	512	512	512	512	512
AS	510	512	513	513	513	513	513
CU	510	512	513	513	513	513	513
PB	510	512	513	513	513	513	513
SB	510	512	513	513	513	513	513
BI	510	512	513	513	513	513	513

HISTO: LOCATIONS & ANALYSIS FOR ALL SOILS; LORRIE

File: lorrixx.s Field name: AU LOG = 0 REPVAL = .00

514 SAMPLES WITH AU MINIMUM: 2.50000 MAXIMUM: 6000.00

405 VALUES PLOTTED: 109 NOT IN RANGE 5.00000 to 200.000

MEAN: 34.3827 STD. DEV.: 42.3739 Median 15.0000

SCALE OF HISTOGRAM IS 4.00 COUNTS /PRINT POSITION # = 5,50,95%

N	MIDPOINT	PERCENT	0 40 80 120 160
			I---------I---------I---------I---------I
147	5.0000	# 36.30	I********************************** I
39	9.8750	9.63	I********** I
28	14.750	# 6.91	I******* I
16	19.625	3.95	I**** I
17	24.500	4.20	I**** I
16	29.375	3.95	I**** I
21	34.250	5.19	I***** I
11	39.125	2.72	I*** I
9	44.000	2.22	I** I
5	48.875	1.23	I* I
12	53.750	2.96	I*** I
10	58.625	2.47	I*** I
6	63.500	1.48	I** I
7	68.375	1.73	I** I
3	73.250	.74	I* I
6	78.125	1.48	I** I
3	83.000	.74	I* I
6	87.875	1.48	I** I
5	92.750	1.23	I* I
2	97.625	.49	I* I
2	102.50	.49	I* I
2	107.38	.49	I* I
4	112.25	.99	I* I
4	117.13	.99	I* I
2	122.00	.49	I* I
0	126.88	.00	I I
1	131.75	.25	I I
3	136.63	# .74	I* I
2	141.50	.49	I* I
0	146.38	.00	I I
1	151.25	.25	I I
1	156.13	.25	I I
1	161.00	.25	I I
2	165.88	.49	I* I
2	170.75	.49	I* I
4	175.63	.99	I* I
0	180.50	.00	I I
2	185.38	.49	I* I
2	190.25	.49	I* I
0	195.13	.00	I I
1	200.00	.25	I I
-----			I---------I---------I---------I---------I
405			0 40 80 120 160

HISTO: LOCATIONS & ANALYSIS FOR ALL SOILS; LORRIE

File: lorrixx.s Field name: AU LOG = 0 REPVAL = .00

514 SAMPLES WITH AU MINIMUM: 2.50000 MAXIMUM: 6000.00

225 VALUES PLOTTED: 289 NOT IN RANGE 10.0000 to 150.000

MEAN: 45.4889 STD. DEV.: 32.8609 Median 36.0000

SCALE OF HISTOGRAM IS 1.00 COUNTS /PRINT POSITION # = 5,50,95%

N	MIDPOINT	PERCENT	0 10.0 20 30 40
			I---------I---------I---------I---------I
18	10.000	# 8.00	I****************** I
24	13.500	10.67	I************************ I
10	17.000	4.44	I********** I
14	20.500	6.22	I************** I
15	24.000	6.67	I*************** I
12	27.500	5.33	I************ I
9	31.000	4.00	I********* I
18	34.500	# 8.00	I****************** I
8	38.000	3.56	I******** I
6	41.500	2.67	I****** I
6	45.000	2.67	I****** I
5	48.500	2.22	I***** I
6	52.000	2.67	I****** I
8	55.500	3.56	I******** I
7	59.000	3.11	I******* I
7	62.500	3.11	I******* I
2	66.000	.89	I** I
5	69.500	2.22	I***** I
3	73.000	1.33	I*** I
3	76.500	1.33	I*** I
3	80.000	1.33	I*** I
3	83.500	1.33	I*** I
3	87.000	1.33	I*** I
5	90.500	2.22	I***** I
3	94.000	1.33	I*** I
2	97.500	.89	I** I
0	101.00	.00	I I
3	104.50	1.33	I*** I
1	108.00	.44	I* I
3	111.50	1.33	I*** I
2	115.00	# .89	I** I
3	118.50	1.33	I*** I
2	122.00	.89	I** I
0	125.50	.00	I I
0	129.00	.00	I I
1	132.50	.44	I* I
2	136.00	.89	I** I
3	139.50	1.33	I*** I
0	143.00	.00	I I
0	146.50	.00	I I
0	150.00	.00	I I
-----			I---------I---------I---------I---------I
225			0 10.0 20 30 40

HISTO: LOCATIONS & ANALYSIS FOR ALL SOILS; LORRIE

File: lorrixx.s Field name: AG LOG = 0 REPVAL = .00

512 SAMPLES WITH AG MINIMUM: .500000E-01 MAXIMUM: 17.0000

500 VALUES PLOTTED: 12 NOT IN RANGE .000000 to 5.00000

MEAN: .558300 STD. DEV.: .803360 Median .300000

SCALE OF HISTOGRAM IS 4.00 COUNTS /PRINT POSITION # = 5,50,95%

N	MIDPOINT	PERCENT	0 40 80 120 160
			I---------I---------I---------I---------I
71	.00000	# 14.20	I****************** I
78	.12500	15.60	I******************** I
134	.25000	# 26.80	I********************************** I
43	.37500	8.60	I*********** I
40	.50000	8.00	I********** I
18	.62500	3.60	I***** I
31	.75000	6.20	I******** I
5	.87500	1.00	I* I
11	1.0000	2.20	I*** I
5	1.1250	1.00	I* I
17	1.2500	3.40	I**** I
3	1.3750	.60	I* I
3	1.5000	.60	I* I
4	1.6250	.80	I* I
6	1.7500	1.20	I** I
5	1.8750	1.00	I* I
3	2.0000	# .60	I* I
1	2.1250	.20	I I
2	2.2500	.40	I* I
0	2.3750	.00	I I
1	2.5000	.20	I I
0	2.6250	.00	I I
4	2.7500	.80	I* I
0	2.8750	.00	I I
1	3.0000	.20	I I
1	3.1250	.20	I I
2	3.2500	.40	I* I
1	3.3750	.20	I I
0	3.5000	.00	I I
0	3.6250	.00	I I
1	3.7500	.20	I I
0	3.8750	.00	I I
0	4.0000	.00	I I
0	4.1250	.00	I I
1	4.2500	.20	I I
2	4.3750	.40	I* I
1	4.5000	.20	I I
1	4.6250	.20	I I
2	4.7500	.40	I* I
0	4.8750	.00	I I
2	5.0000	.40	I* I
-----			I---------I---------I---------I---------I
500			0 40 80 120 160

HISTO: LOCATIONS & ANALYSIS FOR ALL SOILS; LORRIE

File: lorrixx.s Field name: AS LOG = 0 REPVAL = .00

513 SAMPLES WITH AS MINIMUM: 2.50000 MAXIMUM: 14100.0

430 VALUES PLOTTED: 83 NOT IN RANGE .000000 to 750.000

MEAN: 127.066 STD. DEV.: 164.723 Median 45.5000

SCALE OF HISTOGRAM IS 4.00 COUNTS /PRINT POSITION # = 5,50,95%

N	MIDPOINT	PERCENT	0 40 80 120 160
			I---------I---------I---------I---------I
15	.00000	3.49	I**** I
136	18.750	# 31.63	I********************************** I
65	37.500	# 15.12	I**************** I
39	56.250	9.07	I********** I
20	75.000	4.65	I***** I
10	93.750	2.33	I*** I
13	112.50	3.02	I*** I
10	131.25	2.33	I*** I
8	150.00	1.86	I** I
10	168.75	2.33	I*** I
8	187.50	1.86	I** I
7	206.25	1.63	I** I
12	225.00	2.79	I*** I
6	243.75	1.40	I** I
4	262.50	.93	I* I
3	281.25	.70	I* I
4	300.00	.93	I* I
4	318.75	.93	I* I
1	337.50	.23	I I
3	356.25	.70	I* I
3	375.00	.70	I* I
4	393.75	.93	I* I
4	412.50	.93	I* I
7	431.25	1.63	I** I
4	450.00	.93	I* I
3	468.75	.70	I* I
3	487.50	.70	I* I
2	506.25	.47	I* I
1	525.00	# .23	I I
2	543.75	.47	I* I
0	562.50	.00	I I
6	581.25	1.40	I** I
2	600.00	.47	I* I
3	618.75	.70	I* I
2	637.50	.47	I* I
2	656.25	.47	I* I
2	675.00	.47	I* I
1	693.75	.23	I I
0	712.50	.00	I I
1	731.25	.23	I I
0	750.00	.00	I I
-----			I---------I---------I---------I---------I
430			0 40 80 120 160

HISTO: LOCATIONS & ANALYSIS FOR ALL SOILS; LORRIE

File: lorrixx.s Field name: CU LOG = 0 REPVAL = .00

513 SAMPLES WITH CU MINIMUM: .500000 MAXIMUM: 2573.00

482 VALUES PLOTTED: 31 NOT IN RANGE .000000 to 500.000

MEAN: 100.652 STD. DEV.: 100.424 Median 58.5000

SCALE OF HISTOGRAM IS 4.00 COUNTS /PRINT POSITION # = 5,50,95%

N	MIDPOINT	PERCENT	0 40 80 120 160
			I---------I---------I---------I---------I
1	.00000	.21	I
23	12.500	4.77	I******
82	25.000	# 17.01	I**********************
71	37.500	14.73	I******************
60	50.000	12.45	I***************
31	62.500	# 6.43	I********
22	75.000	4.56	I******
25	87.500	5.19	I******
23	100.00	4.77	I******
19	112.50	3.94	I*****
10	125.00	2.07	I***
11	137.50	2.28	I***
9	150.00	1.87	I**
6	162.50	1.24	I**
7	175.00	1.45	I**
10	187.50	2.07	I***
7	200.00	1.45	I**
6	212.50	1.24	I**
6	225.00	1.24	I**
2	237.50	.41	I*
4	250.00	.83	I*
2	262.50	.41	I*
4	275.00	.83	I*
7	287.50	1.45	I**
5	300.00	1.04	I*
3	312.50	.62	I*
4	325.00	# .83	I*
0	337.50	.00	I
2	350.00	.41	I*
3	362.50	.62	I*
3	375.00	.62	I*
0	387.50	.00	I
2	400.00	.41	I*
2	412.50	.41	I*
1	425.00	.21	I
2	437.50	.41	I*
2	450.00	.41	I*
3	462.50	.62	I*
1	475.00	.21	I
0	487.50	.00	I
1	500.00	.21	I
-----			I---------I---------I---------I---------I
482			0 40 80 120 160

HISTO: LOCATIONS & ANALYSIS FOR ALL SOILS; LORRIE

File: lorrixx.s Field name: CU LOG = 0 REPVAL = .00

513 SAMPLES WITH CU MINIMUM: .500000 MAXIMUM: 2573.00

258 VALUES PLOTTED: 255 NOT IN RANGE 50.0000 to 350.000

MEAN: 128.581 STD. DEV.: 75.0851 Median 103.000

SCALE OF HISTOGRAM IS 1.00 COUNTS /PRINT POSITION # = 5,50,95%

N	MIDPOINT	PERCENT	0 10.0 20 30 40
			I---------I---------I---------I---------I
20	50.000	# 7.75	I********** I
25	57.500	9.69	I************ I
21	65.000	8.14	I********** I
13	72.500	5.04	I****** I
15	80.000	5.81	I******* I
17	87.500	6.59	I******** I
10	95.000	3.88	I***** I
15	102.50	# 5.81	I******* I
11	110.00	4.26	I***** I
8	117.50	3.10	I**** I
7	125.00	2.71	I**** I
9	132.50	3.49	I**** I
5	140.00	1.94	I** I
5	147.50	1.94	I** I
5	155.00	1.94	I** I
3	162.50	1.16	I* I
5	170.00	1.94	I** I
4	177.50	1.55	I** I
2	185.00	.78	I* I
11	192.50	4.26	I***** I
2	200.00	.78	I* I
4	207.50	1.55	I** I
4	215.00	1.55	I** I
5	222.50	1.94	I** I
1	230.00	.39	I I
2	237.50	.78	I* I
0	245.00	.00	I I
4	252.50	1.55	I** I
1	260.00	.39	I I
2	267.50	.78	I* I
2	275.00	.78	I* I
4	282.50	1.55	I** I
4	290.00	# 1.55	I** I
4	297.50	1.55	I** I
1	305.00	.39	I I
3	312.50	1.16	I* I
2	320.00	.78	I* I
2	327.50	.78	I* I
0	335.00	.00	I I
0	342.50	.00	I I
0	350.00	.00	I I
-----			I---------I---------I---------I---------I
258			0 10.0 20 30 40

HISTO: LOCATIONS & ANALYSIS FOR ALL SOILS; LORRIE

File: lorrixx.s Field name: PB LOG = 0 REPVAL = .00

513 SAMPLES WITH PB MINIMUM: 1.00000 MAXIMUM: 8400.00

476 VALUES PLOTTED: 37 NOT IN RANGE .000000 to 200.000

MEAN: 45.3571 STD. DEV.: 38.5216 Median 32.5000

SCALE OF HISTOGRAM IS 2.00 COUNTS /PRINT POSITION # = 5,50,95%

N	MIDPOINT	PERCENT	0 20 40 60 80
			I---------I---------I---------I---------I
3	.00000	.63	I** I
8	5.0000	1.68	I**** I
43	10.000	# 9.03	I********** I
48	15.000	10.08	I********** I
43	20.000	9.03	I********** I
50	25.000	10.50	I********** I
43	30.000	9.03	I********** I
36	35.000	7.56	I********** I
25	40.000	5.25	I********** I
31	45.000	6.51	I********** I
16	50.000	3.36	I******** I
16	55.000	3.36	I******** I
10	60.000	2.10	I***** I
6	65.000	1.26	I*** I
11	70.000	2.31	I****** I
9	75.000	1.89	I***** I
12	80.000	2.52	I****** I
5	85.000	1.05	I*** I
6	90.000	1.26	I*** I
6	95.000	1.26	I*** I
2	100.00	.42	I* I
7	105.00	1.47	I**** I
2	110.00	.42	I* I
4	115.00	.84	I** I
3	120.00	.63	I** I
4	125.00	.84	I** I
3	130.00	.63	I** I
4	135.00	# .84	I** I
2	140.00	.42	I* I
3	145.00	.63	I** I
3	150.00	.63	I** I
2	155.00	.42	I* I
1	160.00	.21	I* I
0	165.00	.00	I I
1	170.00	.21	I* I
0	175.00	.00	I I
2	180.00	.42	I* I
1	185.00	.21	I* I
2	190.00	.42	I* I
1	195.00	.21	I* I
2	200.00	.42	I* I
-----			I---------I---------I---------I---------I
476			0 20 40 60 80

HISTO: LOCATIONS & ANALYSIS FOR ALL SOILS; LORRIE

File: lorrixx.s Field name: ZN LOG = 0 REPVAL = .00

513 SAMPLES WITH ZN MINIMUM: .500000 MAXIMUM: 3800.00

486 VALUES PLOTTED: 27 NOT IN RANGE 30.0000 to 410.000

MEAN: 128.508 STD. DEV.: 72.6126 Median 104.500

SCALE OF HISTOGRAM IS 2.00 COUNTS /PRINT POSITION # = 5,50,95%

N	MIDPOINT	PERCENT	0 20 40 60 80
			I---------I---------I---------I---------I
1	30.000	.21	I* I
2	39.500	.41	I* I
5	49.000	1.03	I*** I
20	58.500	# 4.12	I********** I
34	68.000	7.00	I***************** I
62	77.500	12.76	I******************************** I
54	87.000	11.11	I**************************** I
52	96.500	10.70	I*************************** I
34	106.00	# 7.00	I***************** I
34	115.50	7.00	I***************** I
34	125.00	7.00	I***************** I
28	134.50	5.76	I************** I
10	144.00	2.06	I***** I
14	153.50	2.88	I******* I
9	163.00	1.85	I***** I
12	172.50	2.47	I****** I
7	182.00	1.44	I**** I
9	191.50	1.85	I***** I
7	201.00	1.44	I**** I
4	210.50	.82	I** I
3	220.00	.62	I** I
4	229.50	.82	I** I
4	239.00	.82	I** I
6	248.50	1.23	I*** I
1	258.00	.21	I* I
2	267.50	.41	I* I
4	277.00	.82	I** I
3	286.50	.62	I** I
1	296.00	.21	I* I
2	305.50	# .41	I* I
5	315.00	1.03	I*** I
1	324.50	.21	I* I
2	334.00	.41	I* I
2	343.50	.41	I* I
1	353.00	.21	I* I
5	362.50	1.03	I*** I
2	372.00	.41	I* I
2	381.50	.41	I* I
1	391.00	.21	I* I
0	400.50	.00	I I
3	410.00	.62	I** I
-----			I---------I---------I---------I---------I
486			0 20 40 60 80

HISTO: LOCATIONS & ANALYSIS FOR ALL SOILS; LORRIE

File: lorrixx.s Field name: SB LOG = 0 REPVAL = .00

513 SAMPLES WITH SB MINIMUM: 2.50000 MAXIMUM: 1368.00

484 VALUES PLOTTED: 29 NOT IN RANGE .000000 to 50.0000

MEAN: 9.11157 STD. DEV.: 9.89771 Median 2.50000

SCALE OF HISTOGRAM IS 10.00 COUNTS /PRINT POSITION # = 5,50,95%

N	MIDPOINT	PERCENT	0 100 200 300 400
			I---------I---------I---------I---------I
0	.00000	.00	I I
0	1.2500	.00	I I
245	2.5000	# 50.62	I************************* I
0	3.7500	.00	I I
19	5.0000	3.93	I** I
11	6.2500	2.27	I* I
42	7.5000	8.68	I**** I
14	8.7500	2.89	I* I
13	10.000	2.69	I* I
9	11.250	1.86	I* I
23	12.500	4.75	I** I
4	13.750	.83	I I
11	15.000	2.27	I* I
6	16.250	1.24	I* I
11	17.500	2.27	I* I
11	18.750	2.27	I* I
2	20.000	.41	I I
6	21.250	1.24	I* I
5	22.500	1.03	I* I
3	23.750	.62	I I
10	25.000	2.07	I* I
3	26.250	.62	I I
3	27.500	.62	I I
2	28.750	.41	I I
4	30.000	.83	I I
1	31.250	.21	I I
5	32.500	# 1.03	I* I
2	33.750	.41	I I
1	35.000	.21	I I
3	36.250	.62	I I
4	37.500	.83	I I
1	38.750	.21	I I
2	40.000	.41	I I
0	41.250	.00	I I
3	42.500	.62	I I
1	43.750	.21	I I
1	45.000	.21	I I
0	46.250	.00	I I
2	47.500	.41	I I
1	48.750	.21	I I
0	50.000	.00	I I
-----			I---------I---------I---------I---------I
484			0 100 200 300 400

P L A C E R D O M E I N C .

Placer Data Analysis System - STATS

run on 91:11:19 at 12:41:04

V275

Summary of data from file : lorrirks.s

This data file contains an internal header: (7 records)
Data grouped into 33 fields
with format: (2A7,F9.2,F12.2,29F9.0)

Character ID fields:
SAMP PROJ

Coordinate fields:
X Y

Other data fields:

AG	AL	AS	AU	AU2	BA	BE	BI	CA	CD	CO	CR
CU	FE	K	LA	MG	MN	MO	NA	NI	P	PB	SB
SR	TI	V	W	ZN							

Missing data indicated by NULL value 99999.0

BASIC STATISTICS OF SELECTED DATA FIELDS:

NAME	NDATA	NULLS	MINIMUM	MAXIMUM	MEAN	STD. DEV.	GEOM. M
AU	186	0	2.50000	6000.00	511.185	1326.81	51.8382
AG	179	7	.500000E-01	470.000	18.8877	61.3078	1.58637
AS	179	7	2.00000	330000.	14393.0	44953.8	642.680
CU	179	7	1.00000	10700.0	695.402	1499.04	145.878
PB	179	7	1.00000	124000.	5492.34	19381.1	92.8225
ZN	179	7	9.00000	76000.0	2155.92	10039.4	106.486
SB	179	7	2.50000	56700.0	1308.35	7038.16	22.6679
BI	179	7	1.00000	2382.00	60.9218	241.080	5.37315

CORMAT: RUN ON 91:11:19 AT 12:41:04

Data from file: lorrirks.s

V275

Correlation matrix for 186 records with 8 variables

	AU	AG	AS	CU	PB	ZN	SB	BI
LOG:	0	0	0	0	0	0	0	0
AU	1.000	-.006	.614	.231	-.066	-.062	-.055	.628
AG	-.006	1.000	.082	.120	.735	.394	.208	.157
AS	.614	.082	1.000	-.008	.064	.049	-.009	.789
CU	.231	.120	-.008	1.000	.100	.197	.017	.064
PB	-.066	.735	.064	.100	1.000	.475	.504	.054
ZN	-.062	.394	.049	.197	.475	1.000	.257	-.021
SB	-.055	.208	-.009	.017	.504	.257	1.000	.027
BI	.628	.157	.789	.064	.054	-.021	.027	1.000

Number of data pairs contributing to correlation

	AU	AG	AS	CU	PB	ZN	SB	BI
AU	186	179	179	179	179	179	179	179
AG	179	179	179	179	179	179	179	179
AS	179	179	179	179	179	179	179	179
CU	179	179	179	179	179	179	179	179
PB	179	179	179	179	179	179	179	179
ZN	179	179	179	179	179	179	179	179
SB	179	179	179	179	179	179	179	179
BI	179	179	179	179	179	179	179	179

HISTO: V275

File: lorrirks.s Field name: AU LOG = 0 REPVAL = .00

186 SAMPLES WITH AU MINIMUM: 2.50000 MAXIMUM: 6000.00

116 VALUES PLOTTED: 70 NOT IN RANGE 10.0000 to 500.000

MEAN: 100.138 STD. DEV.: 104.909 Median 59.0000

SCALE OF HISTOGRAM IS .50 COUNTS /PRINT POSITION # = 5,50,95%

N	MIDPOINT	PERCENT	0 5.0 10.0 15 20
			I---------I---------I---------I---------I
13	10.000	# 11.21	I********** I
17	22.250	14.66	I********** I
12	34.500	10.34	I********* I
12	46.750	10.34	I********* I
11	59.000	# 9.48	I******** I
6	71.250	5.17	I**** I
4	83.500	3.45	I*** I
2	95.750	1.72	I* I
4	108.00	3.45	I*** I
4	120.25	3.45	I*** I
3	132.50	2.59	I** I
5	144.75	4.31	I**** I
1	157.00	.86	I I
0	169.25	.00	I I
0	181.50	.00	I I
4	193.75	3.45	I*** I
2	206.00	1.72	I* I
1	218.25	.86	I I
0	230.50	.00	I I
2	242.75	1.72	I* I
2	255.00	1.72	I* I
0	267.25	.00	I I
1	279.50	.86	I I
2	291.75	1.72	I* I
0	304.00	.00	I I
1	316.25	.86	I I
1	328.50	.86	I I
0	340.75	.00	I I
2	353.00	# 1.72	I* I
1	365.25	.86	I I
0	377.50	.00	I I
0	389.75	.00	I I
0	402.00	.00	I I
0	414.25	.00	I I
1	426.50	.86	I I
1	438.75	.86	I I
0	451.00	.00	I I
0	463.25	.00	I I
1	475.50	.86	I I
0	487.75	.00	I I
0	500.00	.00	I I
-----			I---------I---------I---------I---------I
116			0 5.0 10.0 15 20

HISTO: V275

File: lorrirks.s Field name: AG LOG = 0 REPVAL = .00

179 SAMPLES WITH AG MINIMUM: .500000E-01 MAXIMUM: 470.000

119 VALUES PLOTTED: 60 NOT IN RANGE .500000 to 100.000

MEAN: 9.29832 STD. DEV.: 18.9840 Median 1.90000

SCALE OF HISTOGRAM IS 2.00 COUNTS /PRINT POSITION # = 5,50,95%

N	MIDPOINT	PERCENT	0 20 40 60 80
			I---------I---------I---------I---------I
54	.50000	# 45.38	I************************** I
27	2.9875	# 22.69	I************** I
9	5.4750	7.56	I***** I
7	7.9625	5.88	I**** I
0	10.450	.00	I I
6	12.938	5.04	I*** I
2	15.425	1.68	I* I
0	17.913	.00	I I
1	20.400	.84	I* I
0	22.887	.00	I I
0	25.375	.00	I I
1	27.862	.84	I* I
0	30.350	.00	I I
0	32.837	.00	I I
0	35.325	.00	I I
3	37.812	2.52	I** I
0	40.300	.00	I I
1	42.787	.84	I* I
1	45.275	.84	I* I
0	47.762	.00	I I
0	50.250	.00	I I
1	52.737	.84	I* I
0	55.225	.00	I I
0	57.712	.00	I I
0	60.200	.00	I I
0	62.687	.00	I I
0	65.175	.00	I I
0	67.662	.00	I I
1	70.150	# .84	I* I
2	72.637	1.68	I* I
0	75.125	.00	I I
0	77.613	.00	I I
0	80.100	.00	I I
0	82.588	.00	I I
1	85.075	.84	I* I
1	87.563	.84	I* I
1	90.050	.84	I* I
0	92.538	.00	I I
0	95.025	.00	I I
0	97.513	.00	I I
0	100.00	.00	I I
-----			I---------I---------I---------I---------I
119			0 20 40 60 80

HISTO: V275

File: lorrirks.s Field name: AS LOG = 0 REPVAL = .00

179 SAMPLES WITH AS MINIMUM: 2.00000 MAXIMUM: 330000.

115 VALUES PLOTTED: 64 NOT IN RANGE .000000 to 1500.00

MEAN: 277.283 STD. DEV.: 338.421 Median 129.000

SCALE OF HISTOGRAM IS 1.00 COUNTS /PRINT POSITION # = 5,50,95%

N	MIDPOINT	PERCENT	0 10.0 20 30 40
			I---------I---------I---------I---------I
12	.00000	# 10.43	I********** I
24	37.500	20.87	I********** I
14	75.000	12.17	I********** I
8	112.50	# 6.96	I******** I
8	150.00	6.96	I******** I
5	187.50	4.35	I***** I
6	225.00	5.22	I****** I
3	262.50	2.61	I*** I
3	300.00	2.61	I*** I
4	337.50	3.48	I**** I
3	375.00	2.61	I*** I
0	412.50	.00	I I
0	450.00	.00	I I
2	487.50	1.74	I** I
1	525.00	.87	I* I
0	562.50	.00	I I
1	600.00	.87	I* I
1	637.50	.87	I* I
1	675.00	.87	I* I
2	712.50	1.74	I** I
3	750.00	2.61	I*** I
0	787.50	.00	I I
2	825.00	1.74	I** I
1	862.50	.87	I* I
1	900.00	.87	I* I
2	937.50	1.74	I** I
1	975.00	.87	I* I
3	1012.5	# 2.61	I*** I
0	1050.0	.00	I I
0	1087.5	.00	I I
0	1125.0	.00	I I
0	1162.5	.00	I I
1	1200.0	.87	I* I
0	1237.5	.00	I I
2	1275.0	1.74	I** I
1	1312.5	.87	I* I
0	1350.0	.00	I I
0	1387.5	.00	I I
0	1425.0	.00	I I
0	1462.5	.00	I I
0	1500.0	.00	I I
-----			I---------I---------I---------I---------I
115			0 10.0 20 30 40

HISTO: V275

File: lorrirks.s Field name: CU LOG = 0 REPVAL = .00

179 SAMPLES WITH CU MINIMUM: 1.00000 MAXIMUM: 10700.0

158 VALUES PLOTTED: 21 NOT IN RANGE .000000 to 1500.00

MEAN: 262.019 STD. DEV.: 361.107 Median 82.0000

SCALE OF HISTOGRAM IS 2.00 COUNTS /PRINT POSITION # = 5,50,95%

N	MIDPOINT	PERCENT	0 20 40 60 80
			I---------I---------I---------I---------I
19	.00000	# 12.03	I********** I
45	37.500	28.48	I************************ I
19	75.000	# 12.03	I********** I
10	112.50	6.33	I***** I
8	150.00	5.06	I**** I
5	187.50	3.16	I*** I
3	225.00	1.90	I** I
6	262.50	3.80	I*** I
0	300.00	.00	I I
4	337.50	2.53	I** I
4	375.00	2.53	I** I
1	412.50	.63	I* I
4	450.00	2.53	I** I
1	487.50	.63	I* I
1	525.00	.63	I* I
2	562.50	1.27	I* I
1	600.00	.63	I* I
2	637.50	1.27	I* I
1	675.00	.63	I* I
0	712.50	.00	I I
2	750.00	1.27	I* I
3	787.50	1.90	I** I
1	825.00	.63	I* I
1	862.50	.63	I* I
1	900.00	.63	I* I
1	937.50	.63	I* I
0	975.00	.00	I I
2	1012.5	1.27	I* I
0	1050.0	.00	I I
1	1087.5	.63	I* I
1	1125.0	.63	I* I
3	1162.5	# 1.90	I** I
1	1200.0	.63	I* I
1	1237.5	.63	I* I
0	1275.0	.00	I I
0	1312.5	.00	I I
1	1350.0	.63	I* I
3	1387.5	1.90	I** I
0	1425.0	.00	I I
0	1462.5	.00	I I
0	1500.0	.00	I I
-----			I---------I---------I---------I---------I
158			0 20 40 60 80

HISTO: V275

File: lorrirks.s Field name: PB LOG = 0 REPVAL = .00

179 SAMPLES WITH PB MINIMUM: 1.00000 MAXIMUM: 124000.

152 VALUES PLOTTED: 27 NOT IN RANGE .000000 to 750.000

MEAN: 91.4490 STD. DEV.: 143.479 Median 30.0000

SCALE OF HISTOGRAM IS 2.00 COUNTS /PRINT POSITION # = 5,50,95%

N	MIDPOINT	PERCENT	0 20 40 60 80
			I---------I---------I---------I---------I
14	.00000	# 9.21	I******* I
57	18.750	37.50	I****************************** I
24	37.500	# 15.79	I************ I
15	56.250	9.87	I******** I
5	75.000	3.29	I*** I
4	93.750	2.63	I** I
5	112.50	3.29	I*** I
3	131.25	1.97	I** I
1	150.00	.66	I* I
2	168.75	1.32	I* I
0	187.50	.00	I I
1	206.25	.66	I* I
0	225.00	.00	I I
2	243.75	1.32	I* I
1	262.50	.66	I* I
2	281.25	1.32	I* I
0	300.00	.00	I I
1	318.75	.66	I* I
1	337.50	.66	I* I
1	356.25	.66	I* I
1	375.00	.66	I* I
1	393.75	.66	I* I
0	412.50	.00	I I
2	431.25	1.32	I* I
1	450.00	.66	I* I
1	468.75	# .66	I* I
1	487.50	.66	I* I
1	506.25	.66	I* I
1	525.00	.66	I* I
1	543.75	.66	I* I
1	562.50	.66	I* I
0	581.25	.00	I I
0	600.00	.00	I I
1	618.75	.66	I* I
0	637.50	.00	I I
0	656.25	.00	I I
1	675.00	.66	I* I
0	693.75	.00	I I
0	712.50	.00	I I
0	731.25	.00	I I
0	750.00	.00	I I
-----			I---------I---------I---------I---------I
152			0 20 40 60 80

HISTO: V275

File: lorrirks.s Field name: ZN LOG = 0 REPVAL = .00

179 SAMPLES WITH ZN MINIMUM: 9.00000 MAXIMUM: 76000.0

160 VALUES PLOTTED: 19 NOT IN RANGE .000000 to 700.000

MEAN: 109.281 STD. DEV.: 143.135 Median 58.0000

SCALE OF HISTOGRAM IS 1.00 COUNTS /PRINT POSITION # = 5,50,95%

N	MIDPOINT	PERCENT	0 10.0 20 30 40
			I---------I---------I---------I---------I
0	.00000	.00	I I
28	17.500	# 17.50	I**************************** I
32	35.000	20.00	I******************************** I
23	52.500	# 14.38	I*********************** I
20	70.000	12.50	I******************** I
10	87.500	6.25	I********** I
8	105.00	5.00	I******** I
7	122.50	4.38	I******* I
3	140.00	1.88	I*** I
4	157.50	2.50	I**** I
1	175.00	.63	I* I
3	192.50	1.88	I*** I
3	210.00	1.88	I*** I
3	227.50	1.88	I*** I
1	245.00	.63	I* I
0	262.50	.00	I I
0	280.00	.00	I I
1	297.50	.63	I* I
0	315.00	.00	I I
0	332.50	.00	I I
0	350.00	.00	I I
0	367.50	.00	I I
1	385.00	.63	I* I
2	402.50	1.25	I** I
1	420.00	.63	I* I
0	437.50	.00	I I
1	455.00	.63	I* I
0	472.50	.00	I I
0	490.00	.00	I I
0	507.50	.00	I I
1	525.00	.63	I* I
1	542.50	.63	I* I
0	560.00	.00	I I
2	577.50	1.25	I** I
0	595.00	.00	I I
0	612.50	.00	I I
0	630.00	.00	I I
1	647.50	.63	I* I
0	665.00	.00	I I
1	682.50	.63	I* I
2	700.00	1.25	I** I
-----			I---------I---------I---------I---------I
160			0 10.0 20 30 40

OFFICE OF THE REGIONAL MANAGER
MINERAL RIGHTS
JAN 08 1992
WHITEHORSE
YUKON TERRITORY

VOLUME II OF II

Geological and Geochemical Report

on the

LORRIE PROPERTY

Dawson Mining District
Yukon Territory

NTS: 116A/4,5
Latitude 64°16'N Longtitude 137°54'W

Owner of Claims: Tombstone Explorations Co. Ltd.

RECEIVED
DEC 23 1991
MINING
RECORDERS OFFICE
DAWSON, Y.T.

By: David M. Strain
Placer Dome Exploration Limited
December 10, 1991

093010

355,000 356,000 357,000 358,000 359,000 360,000 361,000 362,000 363,000

7,137,000 7,136,000 7,135,000 7,134,000 7,133,000 7,132,000 7,131,000 7,130,000 7,129,000 7,128,000 7,127,000 7,126,000 7,125,000 7,124,000 7,123,000

Pebble Zone
Figure: 5

Rev. Zone
Figure: 6

Phone Zone

Binde & Birdie Zone
Figure: 4

Syenite Dykes

North Vein

Quartz Vein

Quartz Ridge

5km

5km

Porphyritic syenite

Dark brown dikelike intrusive, very quartzite

Dacite massive dark, angular inclusions, minor quartzite

Dacite, strongly, brown to grey soft siltstone

Stratigraphically bedded rocks, to black, siliceous, shale

Lamprophyre dykes

Overlay argillite

Overlay argillite

LORRIE PROPERTY LEGEND

GEOLOGY

CRETACEOUS

Kgab — Horneblende Gabbro

Ksy — Syenite

CAMBRO-ORDIVICIAN

KECHIKA GROUP

COkcs — Calc-silicate Hornfels

COkshc — Calcareous Phyllite

COkarg — Argillite

UPPER PROTEROZOIC & LOWER CAMBRIAN

HYLAND GROUP

PCh — Interbedded Quartzite & Argillite

SYMBOLS

Geologic Contact

Fault

Limit of outcrop

Strike & Dip of:

Bedding

Jointing

Foliation

N

0 500 1000 1500
METRES

DWG 42

MAP #116 A/4,5

383

093010

PLACER DOME INC.	
DRAWN DJB	LORRIE PROJECT
DATE Nov. 30/91	GEOLOGY MAP
SCALE 1:15000	
FIGURE: 8	NO. PLATE

355,000 356,000 357,000 358,000 359,000 360,000 361,000 362,000 363,000

7,137,000 7,136,000 7,135,000 7,134,000 7,133,000 7,132,000 7,131,000 7,130,000 7,129,000 7,128,000 7,127,000 7,126,000 7,125,000 7,124,000 7,123,000

Pebble Zone Figure1

Bev Zone Figure1

Binde & Birdie Zone Figure1

Rubble Lake

Mike Lake

Lorrie Lake

Nat Lake

Nat Lake

9500E 9750E 10000E 10250E 10500E

BL 10000N

○ Soil Sample Location
✱ Talus Fine Sample Location
□ Stream Sediment Location
B1603 Sample ID

DATA PLOTTED ON THIS MAP:

	FIELD	FILE
□ POINTS:	SAMP	LSS1.S
○ POINTS:	SAMP	LXX1.S
● POINTS:	SAMP	LTL1.S

N

0 500 1000 1500
METRES

DWG 41
MAP# 116 A/4,5 (382) 093010

PLACER DOME INC.	
DRAWN DJB	LORRIE PROJECT 275
DATE Nov. 23/91	Sample ID Locations
SCALE 1:15000	
FIGURE: 9	NO. PLATE

355,000 356,000 357,000 358,000 359,000 360,000 361,000 362,000 363,000

7,137,000 7,136,000 7,135,000 7,134,000 7,133,000 7,132,000 7,131,000 7,130,000 7,129,000 7,128,000 7,127,000 7,126,000 7,125,000 7,124,000 7,123,000

4000 4500 5000 5500

Pebble Zone Figure

Bev Zone Figure

Rubble Lake

Mike Lake

Nat Lake

Nat Lake

Lorrie Lake

9500E 9750E 10000E 10250E 10500E

BL 10000N

Birdie & Birdie Zone Figure

SOIL GEOCHEMISTRY - Au

Note: Conventional soils, talus fines and grid soils treated as three seperate data sets.

All values > threshold are posted. Threshold determined visually from histogram plots and roughly equals mean plus one standard deviation.

Threshold	Sample Type
65 ppb	Conventional Soils
125 ppb	Talus Fines
200 ppb	Grid Soils

○ Soil Sample Location
◉ Talus Fine Sample Location
□ Stream Sediment Location
383 Gold Analysis ppb
0.028 Gold Analysis oz/t

DATA PLOTTED ON THIS MAP:

	FIELD	FILE
○ POINTS:	AU	LXX1.S
● POINTS:	AU	LTL1.S
○ POINTS:	AU	GRDSOIL.S

N

0 500 1000 1500
METRES
elevations in feet; contour interval 500 ft.

DWG 40
MAP# 116A/4E (381)
093010

PLACER DOME INC.	
DRAWN DJB	LORRIE PROJECT 275
DATE Nov. 23/91	Gold Analysis ppb & oz/t
SCALE 1:15000	
FIGURE: 10	NO. PLATE

355,000 356,000 357,000 358,000 359,000 360,000 361,000 362,000 363,000

7,137,000 7,136,000 7,135,000 7,134,000 7,133,000 7,132,000 7,131,000 7,130,000 7,129,000 7,128,000 7,127,000 7,126,000 7,125,000 7,124,000 7,123,000

4000 4500 5000

Pebble Zone
Figure: 5

Bev Zone
Figure: 6

Binde & Birdie Zone
Figure: 4

Mike Lake

Nat Lake

Rubble Lake

Lorrie Lake

9500E 9750E 10000E 10250E 10500E

BL 10000N

SOIL GEOCHEMISTRY - Ag

Note: Conventional soils, talus fines and grid soils treated as three seperate data sets.

All values > threshold are posted. Threshold determined visually from histogram plots and roughly equals mean plus one standard deviation.

Threshold	Sample Type
1.0 ppm	Conventional Soils
1.0 ppm	Talus Fines
4.0 ppm	Grid Soils

- Soil Sample Location
- Talus Fine Sample Location
- Stream Sediment Location

1.2 Silver ppm

DATA PLOTTED ON THIS MAP:

	FIELD	FILE
POINTS:	AG	LSS1.S
POINTS:	AG	LXX1.S
POINTS:	AG	LTL1.S
POINTS:	AG	GRDSOIL.S

N

0 500 1000 1500
METRES

elevations in feet; contour interval 500 ft.

DWG 39
093010
MAP# 116A/15
380

PLACER DOME INC.

DRAWN DJB	LORRIE PROJECT 275
DATE Nov. 23/91	Silver Analysis ppm
SCALE 1:15000	
FIGURE: 11	NO. PLATE

355,000 356,000 357,000 358,000 359,000 360,000 361,000 362,000 363,000

7,137,000 7,136,000 7,135,000 7,134,000 7,133,000 7,132,000 7,131,000 7,130,000 7,129,000 7,128,000 7,127,000 7,126,000 7,125,000 7,124,000 7,123,000

4000 4500 5000

Pebble Zone Figure: 5

Bev Zone Figure: 6

Binde & Birdie Zone Figure: 4

Rubble Lake

Lorrie Lake

Mike Lake

Nat Lake

Nat Lake

9500E 9750E 10000E 10250E 10500E

10000N

SOIL GEOCHEMISTRY - As

Note: Conventional soils, talus fines and grid soils treated as three seperate data sets.

All values > threshold are posted. Threshold determined visually from histogram plots and roughly equals mean plus one standard deviation.

Threshold	Sample Type
300 ppm	Conventional Soils
750 ppm	Talus Fines
500 ppm	Grid Soils

○ Soil Sample Location
● Talus Fine Sample Location
□ Stream Sediment Location
3000 Arsenic ppm

DATA PLOTTED ON THIS MAP:

	FIELD	FILE
□ POINTS:	AS	LSS1.S
○ POINTS:	AS	LXX1.S
● POINTS:	AS	LTL1.S
○ POINTS:	AS	GRDSOIL.S

N

0 500 1000 1500
METRES
elevations in feet; contour interval 500 ft.

DWG 38
093010
MAP # 116 A/4,5
379

PLACER DOME INC.

DRAWN DJB	LORRIE PROJECT 275
DATE Nov. 23/91	Arsenic Analysis ppm
SCALE 1:15000	
FIGURE: 12	NO. PLATE

355,000 356,000 357,000 358,000 359,000 360,000 361,000 362,000 363,000

7,137,000 7,136,000 7,135,000 7,134,000 7,133,000 7,132,000 7,131,000 7,130,000 7,129,000 7,128,000 7,127,000 7,126,000 7,125,000 7,124,000 7,123,000

4000 4500 5000

Pebble Zone
Figure: 5

Bev Zone
Figure: 6

Binde & Birdie Zone
Figure: 4

Rubble Lake
Mike Lake
Nat Lake
Nat Lake
Lorrie Lake

9500E 9750E 10000E 10250E 10500E

BL 10000N

○ Soil Sample Location
◉ Talus Fine Sample Location
□ Stream Sediment Location
383 Copper ppm

SOIL GEOCHEMISTRY - Cu

Note: Conventional soils, talus fines and grid soils treated as three seperate data sets.

All values > threshold are posted. Threshold determined visually from histogram plots and roughly equals mean plus one standard deviation.

Threshold	Sample Type
175 ppm	Conventional Soils
300 ppm	Talus Fines
240 ppm	Grid Soils

DATA PLOTTED ON THIS MAP:

	FIELD	FILE
⊡ POINTS:	CU	LSS1.S
○ POINTS:	CU	LXX1.S
● POINTS:	CU	LTL1.S
○ POINTS:	CU	GRDSOIL.S

N

0 500 1000 1500
METRES

elevations in feet; contour interval 500 ft.

DWG 37

MAP # 116 A/4,5

(378) 093010

PLACER DOME INC.

DRAWN DJB	LORRIE PROJECT 275
DATE Nov. 23/91	Copper Analysis ppm
SCALE 1:15000	
FIGURE: 13	NO. PLATE

355,000 356,000 357,000 358,000 359,000 360,000 361,000 362,000 363,000

7,137,000 7,136,000 7,135,000 7,134,000 7,133,000 7,132,000 7,131,000 7,130,000 7,129,000 7,128,000 7,127,000 7,126,000 7,125,000 7,124,000 7,123,000

4000 4500 5000

Rubble Lake

Lorrie Lake

Mice Lake

Nat Lake

Pebble Zone
Figure 5

Bev Zone
Figure 6

Binde & Birdie Zone
Figure 4

9500E 9750E 10000E 10250E 10500E

BL 10000N

SOIL GEOCHEMISTRY - Pb

Note: Conventional soils, talus fines and grid soils treated as three seperate data sets.

All values > threshold are posted. Threshold determined visually from histogram plots and roughly equals mean plus one standard deviation.

Threshold	Sample Type
70 ppm	Conventional Soils
60 ppm	Talus Fines
200 ppm	Grid Soils

○ Soil Sample Location
◉ Talus Fine Sample Location
⊟ Stream Sediment Location
383 Lead Analysis ppm

DATA PLOTTED ON THIS MAP:

	FIELD	FILE
⊟ POINTS:	PB	LSS1.S
○ POINTS:	PB	LXX1.S
● POINTS:	PB	LTL1.S
○ POINTS:	PB	GRDSOIL.S

N

0 500 1000 1500
METRES
elevations in feet; contour interval 500 ft.

DWG 36
093010
MAP# 116 M/4,5
377

PLACER DOME INC.

DRAWN DJB	LORRIE PROJECT 275
DATE Nov. 23/91	Lead Analysis ppm
SCALE 1:15000	
FIGURE: 14	NO. PLATE

355,000 356,000 357,000 358,000 359,000 360,000 361,000 362,000 363,000

7,137,000 7,136,000 7,135,000 7,134,000 7,133,000 7,132,000 7,131,000 7,130,000 7,129,000 7,128,000 7,127,000 7,126,000 7,125,000 7,124,000 7,123,000

4000 4500 5000

Pebble Zone
Figure: 5

Bev Zone
Figure: 6

Binde & Birdie Zone
Figure: 4

Rubble Lake
Lorrie Lake
Mica Lake
Nat Lake
Nat Lake

9500E 9750E 10000E 10250E 10500E BL 10000N

SOIL GEOCHEMISTRY - Zn

Note: Convential soils, talus fines and grid soils treated as three seperate data sets.

All values > threshold are posted. Threshold determined visually from histogram plots and roughly equals mean plus one standard deviation.

Threshold	Sample Type
250ppm	Conventional Soils
350 ppm	Talus Fines
200 ppm	Grid Soils

○ Soil Sample Location
◉ Talus Fine Sample Location
□ Stream Sediment Location
383 Zinc Analysis ppm

N

0 500 1000 1500
METRES

elevations in feet; contour interval 500 ft.

DWG 35
093010
MAP #116 A/4,5
(376)

PLACER DOME INC.	
DRAWN DJB	LORRIE PROJECT 275
DATE	Zinc Analysis ppm
SCALE 1:15000	
FIGURE: 15	NO. PLATE

355,000 356,000 357,000 358,000 359,000 360,000 361,000 362,000 363,000

7,137,000 7,136,000 7,135,000 7,134,000 7,133,000 7,132,000 7,131,000 7,130,000 7,129,000 7,128,000 7,127,000 7,126,000 7,125,000 7,124,000 7,123,000

4000
4500
5000

Pebble Zone
Figure

Bev Zone
Figure

Binde & Birdie Zone
Figure

Rubble Lake
Hike Lake
Lorrie Lake
Net Lake
Net Lake

B4092 Rock Sample ID

Rock Sample Location

DATA PLOTTED ON THIS MAP:

FIELD FILE

N

0 500 1000 1500
METRES
elevations in feet; contour interval 500 ft.

DWG 34
093010
MAP #116A/4,5
375

PLACER DOME INC.

DRAWN DJB	LORRIE PROJECT 275
DATE Nov. 23/91	Rock Sample Locations
SCALE 1:15000	
FIGURE: 16	NO. PLATE

355,000 356,000 357,000 358,000 359,000 360,000 361,000 362,000 363,000

7,137,000 7,136,000 7,135,000 7,134,000 7,133,000 7,132,000 7,131,000 7,130,000 7,129,000 7,128,000 7,127,000 7,126,000 7,125,000 7,124,000 7,123,000

4000
4500
5000

Pebble Zone
Figure:

Bev Zone
Figure:

Binde & Birdie Zone
Figure:

Nit Lake
Nat Lake
Hike Lake
Rubble Lake
Lorrie Lake

ROCK GEOCHEMISTRY - Au

Note: All values > threshold are posted. Threshold determined visually from histogram plots and roughly equals mean plus one standard deviation.

Threshold 150 ppb

427 Gold ppb
△ Sample Location
.066 Gold oz/t

DATA PLOTTED ON THIS MAP:

	FIELD	FILE
POINTS:	AU	LROCKS1.S
POINTS:	AU2	LROCKS1.S

N

0 500 1000 1500
METRES
elevations in feet; contour interval 500 ft.

DWG 33
093010
MAP#116A/4,5
374

PLACER DOME INC.

DRAWN DJB	LORRIE PROJECT 275
DATE Nov. 23/91	Rock Samples Gold Results
SCALE 1:15000	
FIGURE: 17	NO. PLATE

355,000 356,000 357,000 358,000 359,000 360,000 361,000 362,000 363,000

7,137,000 7,136,000 7,135,000 7,134,000 7,133,000 7,132,000 7,131,000 7,130,000 7,129,000 7,128,000 7,127,000 7,126,000 7,125,000 7,124,000 7,123,000

4000
4500
5000

Δ46.0
Δ358.0
Δ43.0
Δ29.0
Δ128.0
Δ37.0
Δ160.0
Δ72.0
63.0
67.0
153.0
Δ470.0
Δ430.0
Δ81.0
52.0
Δ72.0
148.0
Δ156.0
Δ90.0
39.0
37.0
86.0
117.0
146.0

Nat Lake
Nat Lake
Mice Lake
Rubble Lake
Lorrie Lake

Pebble Zone Figure
Bev Zone Figure
Binde & Birdie Zone Figure

ROCK GEOCHEMISTRY - Ag

Note: All values > threshold are posted. Threshold determined visually from histogram plots and roughly equals mean plus one standard deviation.

Threshold 20 ppm

29.0 Silver ppm
Δ Sample Location

DATA PLOTTED ON THIS MAP:

FIELD FILE

N

0 500 1000 1500
METRES

elevations in feet; contour interval 500 ft.

DWG 32
MAP# 116A/4,5 (373) 093010

PLACER DOME INC.

DRAWN DJB	LORRIE PROJECT 275
DATE Nov. 23/91	Rock Sample Silver Analysis
SCALE 1:15000	
FIGURE: 18	NO. PLATE

355,000 356,000 357,000 358,000 359,000 360,000 361,000 362,000 363,000

7,137,000 7,136,000 7,135,000 7,134,000 7,133,000 7,132,000 7,131,000 7,130,000 7,129,000 7,128,000 7,127,000 7,126,000 7,125,000 7,124,000 7,123,000

4,000 4500 5000

Pebble Zone Figure1

Bev Zone Figure1

Binde & Birdie Zone Figure1

Mike Lake

Rubble Lake

Lorrie Lake

Nat Lake

Nat Lake

ROCK GEOCHEMISTRY - As

Note: All values > threshold are posted. Threshold determined visually from histogram plots and roughly equals mean plus one standard deviation.

Threshold 500 ppm

2469 Arsenic ppm
△ Sample Location

DATA PLOTTED ON THIS MAP:

FIELD FILE

N

0 500 1000 1500
METRES
elevations in feet; contour interval 500 ft.

DWG 31
MAP# 116A/4,5 (372) 093010

PLACER DOME INC.	
DRAWN DJB	LORRIE PROJECT 275
DATE Nov. 23/91	Rock Sample Arsenic Analysis
SCALE 1:15000	
FIGURE: 19	NO. PLATE

355,000 356,000 357,000 358,000 359,000 360,000 361,000 362,000 363,000

7,137,000 7,136,000 7,135,000 7,134,000 7,133,000 7,132,000 7,131,000 7,130,000 7,129,000 7,128,000 7,127,000 7,126,000 7,125,000 7,124,000 7,123,000

4000

4500

5000

Nat Lake

Nat Lake

1505
1002
1146
597
8400
869
Pebble Zone
Figure1
2135
2857
1986
5500
1229
3087
Bev Zone
Figure1
757
2127
790
3792
Hike Lake
793
1352
Rubble Lake
1402
735
5100
1103
842
5410
5400
10700
2477
1017
3700
2156
1532
1395
1376
952
1181
Lorrie Lake
2412
2305
892
1176
1135
788
1186
Binde & Birdie Zone
Figure1

ROCK GEOCHEMISTRY - Cu

Note: All values > threshold are posted. Threshold determined visually from histogram plots and roughly equals mean plus one standard deviation.

Threshold 700 ppm

1986 Copper ppm
△ Sample Location

DATA PLOTTED ON THIS MAP:

FIELD FILE

N

0 500 1000 1500
METRES
elevations in feet contour interval 500 ft.

DWG 30
093010
MAP #1164/45
(37)

PLACER DOME INC.	
DRAWN DJB	LORRIE PROJECT 275
DATE Nov. 23/91	Rock Sample Copper Analysis
SCALE 1:15000	
FIGURE: 20	NO. PLATE

355,000 356,000 357,000 358,000 359,000 360,000 361,000 362,000 363,000

7,137,000 7,136,000 7,135,000 7,134,000 7,133,000 7,132,000 7,131,000 7,130,000 7,129,000 7,128,000 7,127,000 7,126,000 7,125,000 7,124,000 7,123,000

4000
4500
5000

Nat Lake

Mike Lake

Rubble Lake

Lorrie Lake

Pebble Zone
Figure:

Bev Zone
Figure:

Binde & Birdie Zone
Figure:

△6200 △67000 △242 △433 △34500 △666 △686 △1953 △349 △576 △278 △522 △273 △381 △336 △240 △102000 △422 △26800 443 87000 57000 39500 △514 △124000 △536 △268 △66000 △111000 318 17000 △37500 △840 17000 110000 △392 △48500 △761 7600 1470 17000 1384 230 17000 1779 20000 8300 △496 △2311

ROCK GEOCHEMISTRY - Pb

Note: All values > threshold are posted. Threshold determined visually from histogram plots and roughly equals mean plus one standard deviation.

Threshold 200 ppm

666 Lead ppm
△ Sample Location

DATA PLOTTED ON THIS MAP:

FIELD FILE

N

0 500 1000 1500
METRES
elevations in feet; contour interval 500 ft.

DWG 29
MAP# 116 A/4,5 (370) 093010

PLACER DOME INC.	
DRAWN DJB	LORRIE PROJECT 275
DATE Nov. 23/91	Rock Sample Lead Analysis
SCALE 1:15000	
FIGURE: 21	NO. PLATE

355,000 356,000 357,000 358,000 359,000 360,000 361,000 362,000 363,000

7,137,000 7,136,000 7,135,000 7,134,000 7,133,000 7,132,000 7,131,000 7,130,000 7,129,000 7,128,000 7,127,000 7,126,000 7,125,000 7,124,000 7,123,000

4000 4500 5000

Pebble Zone Figure1

Bev Zone Figure1

Binde & Birdie Zone Figure1

Rubble Lake

Mike Lake

Nit Lake

Nat Lake

Lorrie Lake

ROCK GEOCHEMISTRY - Zn

Note: All values > threshold are posted. Threshold determined visually from histogram plots and roughly equals mean plus one standard deviation.

Threshold 150 ppm

521 Zinc ppm

△ Sample Location

DATA PLOTTED ON THIS MAP:

FIELD FILE

N

0 500 1000 1500

METRES

elevations in feet; contour interval 500 ft.

DWG 28

MAP# 116A/4,5 (369) 093010

PLACER DOME INC.	
DRAWN DJB	LORRIE PROJECT 275
DATE Nov. 23/91	Rock Sample Zinc Analysis
SCALE 1:15000	
FIGURE: 22	NO. PLATE

Talked to
Rob Stroshein
Feb 21 '92
@ 1:30 pm.
Will prepare
new, more detailed
List of Expenditures.

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

FAX TRANSMISSION

Page 1 of 3

TO: Robert Deklerk
Staff Geologist
Northern Affairs Program
200 Range Road

Your file / votre référence

Our file / Notre référence

FAX NO.: 668-4070

****

FROM: MARION E. DEJEAN
MINING RECORDER
DAWSON MINING DISTRICT
P.O. BOX 249
DAWSON CITY, YUKON TERRITORY
YOB 1GO (403) 993-5343

FAX #: 993-5701

****

Date: 27 Feb. 1992

****

Dear Robert:

Statement of Costs from Placer Dome Inc.

Please call if you have any questions.

Diane

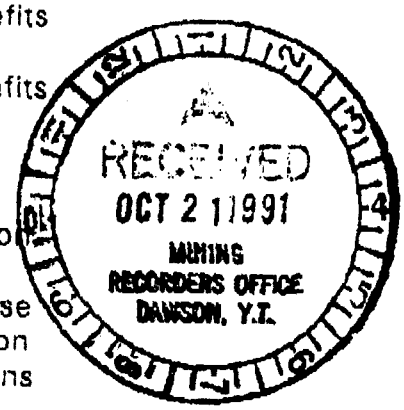
DEXED

RECEIVED 28/2/92

Canada

STATEMENT OF COST

Activity		Year to Date Expenses
Prop Costs -	Air Transport	$ 3,619.20
Prop Costs -	Supplies	113.10
Geology -	Salary & Benefits	35,165.00
Geology -	Contractors	5,837.50
Geology -	Air Transport	13,514.17
Geology -	Supplies	383.14
Geology -	Freight	72.05
Geology -	Lab Work	4,891.35
Geology -	Data Acquisitions & Reports	1,511.44
Geophys -	Supplies	39.90
Geochem -	Salary & Benefits	3,015.00
Geochem -	Lab Work	0.00
Logistics -	Salary & Benefits	19,215.00
Logistics -	Supplies	1,948.06
Logistics -	Freight	524.21
Logistics -	Food	6,175.58
Logistics -	Accommodation	4,118.76
Logistics -	Travel	3,050.21
Logistics -	Vehicle Expense	2,990.16
Logistics -	Camp Operation	3,918.57
Logistics -	Communications	484.83
		$ 110,587.23



Please find enclosed 29 applications for certificate of work, in duplicate, together with the application to group plus a cheque for $5,315.00 being the recording fees totalling $5,170.00 and the grouping fee of $145.00 for 29 groupings. Listed below is a summary of the amount of work performed and filed for each grouping as well as the fees.

Claim Group	Amount of Work Performed	Work Files	Filing Fees
91-1	$ 1,446.13	$ 1,400.00	$ 70.00
91-2	1,446.13	1,300.00	65.00
91-3	600.00	600.00	30.00
91-4	1,020.23	1,000.00	50.00
91-5	700.52	700.00	35.00
91-6	1,200.93	1,200.00	60.00
91-7	1,531.18	1,500.00	75.00
91-8	1,531.18	1,500.00	75.00

Claim Group	Amount of Work Performed	Work Files	Filing Fees
91-9	$ 1,616.14	$ 1,600.00	$ 80.00
91-10	1,701.37	1,700.00	85.00
91-11	4,678.67	1,700.00	85.00
91-12	3,148.80	1,700.00	85.00
91-13	1,448.80	1,400.00	70.00
91-14	5,103.90	4,800.00	240.00
91-15	5,748.17	4,000.00	200.00
91-16	5,406.01	5,200.00	260.00
91-17	6,550.08	5,800.00	290.00
91-18	4,237.81	4,200.00	210.00
91-19	7,316.54	6,400.00	320.00
91-20	5,274.14	5,200.00	260.00
91-21	6,550.13	6,400.00	320.00
91-22	5,272.91	5,200.00	260.00
91-23	6,039.72	6,000.00	300.00
91-24	4,763.22	4,700.00	235.00
91-25	4,508.54	4,500.00	225.00
91-26	4,508.53	4,500.00	225.00
91-27	6,805.33	6,400.00	320.00
91-28	6,635.20	6,400.00	320.00
91-29	10,548.23	6,400.00	320.00
		$ 103,400.00	$ 5,170.00

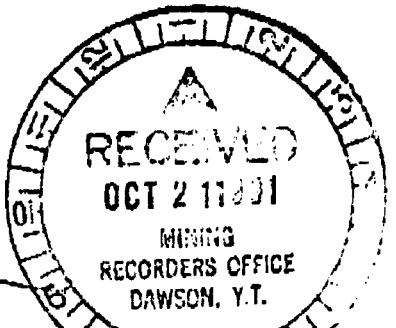
Should you have any questions regarding this application please do not hesitate to call me at 661-3775. Once this application has been processed would you please send me stamped copies of the extra application Form "C".

Thank you kindly,

Yours truly,

PLACER DOME INC.

Bob Hodgson



BH/leb
10.18.91
cc. D. Strain (Kamloops)

CLAIM	GRANT NO.	EXPIRY DATE	CLAIM	GRANT NO.	EXPIRY DATE
Lorrie 138	YB39214	31/12/91	Jamie 24	YB30699	31/12/93
Lorrie 145	YB39221	31/12/91	Jamie 26	YB30701	31/12/93
Jamie 51	YB30726	91/12/31	Jamie 45-50	YB30720-YB30725	31/12/93
Lorrie 209-232	YB39820-YB39843	25/01/92	Jamie 61-68	YB30736-YB30743	31/12/93
Lorrie 18-19	YB17914-YB17915	31/12/92	Jamie 86-91	YB30761-Yb30766	31/12/93
Jamie 98-99	YB30773-YB30774	31/12/92	Jamie 96	YB30771	31/12/93
Jamie 134-151	YB30809-YB30826	31/12/92	Jamie 118	YB30793	31/12/93
Jamie 158-203	YB30833-YB30878	31/12/92	Lorrie 211	YB39822	25/01/94
Jamie 209-215	YB30884-YB30890	31/12/92	Lorrie 6	YB17910	31/12/94
Lorrie 163-208	YB39774-YB39819	25/01/93	Lorrie 8	YB17912	31/12/94
Lorrie 126	YB39202	31/12/93	Lorrie 101	YB31145	31/12/94
Lorrie 128	YB39204	31/12/93	Lorrie 111	YB31155	31/12/94
Lorrie 130	YB39206	31/12/93	Lorrie 112	YB31156	31/12/94
Lorrie 146	YB39222	31/12/93	Lorrie 136-137	YB39212-YB39213	31/12/94
Lorrie 155-158	YB39231-YB39234	31/12/93	Lorrie 139-144	YB39215-YB39220	31/12/94
Jamie 13-14	YB30688-YB30689	31/12/93	Lorrie 147-154	YB39223-YB39230	31/12/94
Jamie 16	YB30691	31/12/93	Lorrie 159-162	YB39235-YB39238	31/12/94
Jamie 18	YB30693	31/12/93	Jamie 5-12	YB30680-YB30687	31/12/94
Jamie 20	YB30695	31/12/93	Jamie 15	YB30690	31/12/94
Jamie 22	YB30697	31/12/93	Jamie 17	YB30692	31/12/94

TABLE 1 - CLAIM DATA

CLAIM	GRANT NO.	EXPIRY DATE	CLAIM	GRANT NO.	EXPIRY DATE
Jamie 27-29	YB30702-YB30704	31/12/94	Jamie 1-4	YB17905-YB17908	31/12/95
Jamie 69-70	YB30744-YB30745	31/12/94	Jamie 19	YB30694	31/12/95
Jamie 92	YB30767	31/12/94	Jamie 21	YB30696	31/12/95
Jamie 94-95	YB30769-YB30770	31/12/94	Jamie 23	YB30698	31/12/95
Jamie 97	YB30772	31/12/94	Jamie 25	YB30700	31/12/95
Jamie 113	YB30788	31/12/94	Jamie 30-44	YB30705-YB30719	31/12/95
Jamie 204-208	YB30879-YB30883	31/12/94	Jamie 52-60	YB30727-YB30735	31/12/95
Lorrie 1-4	YB17448-YB17451	01/12/95	Jamie 71-85	YB30746-YB30760	31/12/95
Lorrie 5	YB17909	31/12/95	Jamie 93	YB30768	31/12/95
Lorrie 7	YB17911	31/12/95	Jamie 100-112	YB30775-YB30787	31/12/95
Lorrie 9-17	YB5584-YB5591, YB17913	31/12/95	Jamie 114-117	YB30789-YB30792	31/12/95
Lorrie 20-23	YB17916-YB17919	31/12/95	Jamie 119-133	YB30794-YB30808	31/12/95
Lorrie 24-56	YB23265-YB23297	31/12/95	Jamie 152-157	YB30827-YB30832	31/12/95
Lorrie 80-81	YB23299-YB23300	31/12/95			
Lorrie 103-110	YB31147-YB31154	31/12/95			
Lorrie 113-125	YB31157-YB39201	31/12/95			
Lorrie 127	YB39203	31/12/95			
Lorrie 129	YB39205	31/12/95			
Lorrie 131-133	YB39207-YB39209	31/12/95			
Lorrie 135	YB39211	31/12/95			

TABLE 1 - CLAIM DATA