APPENDIX NO 1

A Geophysical Report on an Induced Polarization Survey

for Placer Dome Inc.

by Peter E Walcott and Associates

PETER E. WALCOTT & ASSOC. LTD.

A GEOPHYSICAL REPORT

ON

AN INDUCED POLARIZATION SURVEY

Iskut Area, British Columbia
N.T.S. 104G/8

FOR

PLACER DOME INC.

Vancouver, British Columbia

BY

PETER E. WALCOTT & ASSOCIATES LIMITED

Vancouver, British Columbia

DECEMBER 1989

GEOPHYSICAL SERVICES

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APPENDIX

ACCOMPANYING MAPS Scale 1:5000

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INTRODUCTION.

Between August 1st and 23rd, 1989, Peter E. Walcott & Associates Limited carried out an induced polarization (I.P.) survey over part of a property located in the Iskut area of British Columbia for Placer Dome Inc.

The survey was carried out over mostly flagged N 25° W lines that were primarily established by personnel of Placer Dome Inc.

Measurements (first to fourth separation) of apparent chargeability - the I.P. response parameter - and resistivity were made using the pole-dipole method of surveying with a 60 metre dipole.

The I.P. data are presented in pseudo-section form on individual line profiles that are bound in this report. In addition the data from respective separations as well as the filtered data has been contoured and presented on plan maps of the line grid - Maps W-457-1 to 10 - that accompany this report.

PROPERTY, LOCATION & ACCESS.

The property, known as the Ball Creek property, is located in the Liard Mining District of British Columbia.

It is situated between elevations of 700 to 2000 metres on the north side of Ball Creek, some six kilometres west of Hwy 37.

Access was obtained by truck along the above highway, and thence by helicopter, based at Tatogga Lake some 65 kilometres to the north.

PREVIOUS WORK.

Previous work on the property, to the best of the writer's knowledge, consisted of geological and geochemical surveying, induced polarization surveying, some of which was conducted by the writer in 1975, and diamond drilling.

For further details of the above the reader is referred to reports on the same now held by Placer Dome Inc.

PURPOSE.

The purpose of the survey was to define by the I.P. method the extent of sulphide mineralization around the monzonite intrusion in an effort to locate an economic porphyry deposit.

GEOLOGY.

The writer is not at the present time familiar with the geology of the area, and thus the reader is referred to the previously mentioned reports held by Placer Dome.

SURVEY SPECIFICATIONS.

The induced polarization (I.P.) survey was carried out using a pulse type system, the principal components of which are manufactured by Huntec Limited and EDA Instruments Ltd. of Metropolitan Toronto, Ontario.

The system consists basically of three units, a receiver (EDA), a transmitter and a motor generator (Huntec). The transmitter, which provided a maximum of 2.5 kw d.c. to the ground, obtains its power from a 2.5 kw 400 c.p.s. three phase alternator driven by a gasoline engine. The cycling rate of the transmitter is 2 seconds "current-on" and 2 seconds "current-off" with the pulses reversing continuously in polarity. The data recorded in the field consists of careful measurements of the current (I) in amperes flowing through the current electrodes C_1 and C_2, the primary voltage (V) appearing between the two potential electrodes, P_1 and P_2, during the "current-on" part of the cycle, and the apparent chargeability (M_a) presented as a direct readout in millivolts per volt using a 160 millisecond delay and a 1580 millisecond sample window by the receiver, a digital receiver controlled by a micro-processor.

The apparent resistivity (P_a) in ohm metres is proportional to the ratio of the primary voltage and the measured current, the proportionality factor depending on the geometry of the array used. The chargeability and resistivity are called apparent as they are values which that portion of the earth sampled would have if it were homogeneous. As the earth sampled is usually inhomogeneous the calculated apparent chargeability and resistivity are functions of the actual chargeability and resistivity of the rocks.

The survey was carried out using the "pole-dipole" method of surveying. In this method the current electrode C_1, and the potential electrodes, P_1 through P_2, are moved in unison along the survey lines at a spacing "a" (the dipole) apart, while the second current electrode C_2 is kept constant at "infinity". The distance, "na", between C_1 and the nearest potential electrode generally controls the depth to be explored by the particular separation, "n", traverse.

The survey was carried out using a 60 metre dipole, and first to fourth separation measurements were made at

SURVEY SPECIFICATIONS cont'd.

60 metre intervals along the lines. In addition some fifth separation measurements were made on two short lines, Lines 1100 and 1300 W respectively.

In all some 22 kilometres of surveying were carried out using the above method.

DISCUSSION OF RESULTS.

The results of the I.P. survey showed the property to exhibit a low chargeability background above which two complex zones of higher chargeability are clearly discernible, one a roughly elliptical zone in the centre of the grid, outlined by the 8 mv/v contour on the filtered chargeability plot - as illustrated on the three tenths size coloured reduction in the appendix - and the other, a stronger more linear zone undefined to the south and the west, in the southwest corner of the grid.

On correlating the results with the geology from the map provided by Placer Dome, on which several occurrences of potassic and propylitic alterations have been noted, a case can be made to fit the 1000 by 1200 metre elliptically shaped zone to a porphyry model with the phyllic and propylitic annuli being better defined by the higher chargeabilities on the north, west and south sides, more evident on the first and second separation contoured plans - it should be mentioned here that due to the asymmetry of the array the respective "n" separation maps should be shifted one half of the "na" spacing to the south for comparison as suggested on the pseudosection plots.

The smaller, stronger chargeability zone, particularly evident on Lines 2200 and 2400 W, correlates with sulphides known as the Cliff Zone.

The resistivity survey results appear to show that the intrusive rocks exhibit higher resistivities. In fact on the down scaled coloured plots of the second and fourth separation resistivities it can be seen that the outline of the anomalous chargeability response is also coincident with the areas of higher resistivities.

The lower resistivities to the east on Line 600 W could also be partially attributable to higher conductivity associated with thicker overburden cover as this line is well into the valley as well as to underlying volcanics. Similarily the large resistivity low on the west, south of the baseline, obtained over some of the highest ground surveyed, could be partly due to increased overburden cover on this flatter part of the grid, as evidenced from the black swampy soil, as well as to

DISCUSSION OF RESULTS cont'd

underlying volcanics.

The higher chargeability readings observed on the larger separations associated with lower resistivities on Lines 1200, 1300 and 1400 W just north of the baseline are probably due to increased sulphide mineralization in an inner shell of more porous rock.

On the whole the chargeability and resistivity results showed good correlation with those of the limited 1975 survey carried out by the writer with a 400 foot dipole on lines approximately perpendicular to those of the present grid.

SUMMARY, CONCLUSIONS & RECOMMENDATIONS.

Between August 1st and 23rd, 1989, Peter E. Walcott & Associates Limited carried out an induced polarization survey over part of a property, located in the Iskut area of British Columbia, for Placer Dome Inc.

The survey outlined the presence of two complex anomalous zones on the property, which correspond to areas of past and present investigation known respectively as the Camp and Cliff Zones.

The chargeability signature of the Camp Zone with its outer ring of higher readings was somewhat typical of that expected from a porphyry style mineralized occurrence.

The Cliff Zone anomaly was undefined to the south and west, and could be the subject of further geophysical work.

As a result the writer recommends that the results of the survey be studied with those of the magnetic survey known to have been carried out this summer as well as those of the geology and geochemical surveys in an effort to identify the alteration and metal zonations before commitment to further borehole investigation.

Respectfully submitted,

PETER E. WALCOTT & ASSOCIATES LIMITED

Peter E. Walcott, P.Eng.
Geophysicist

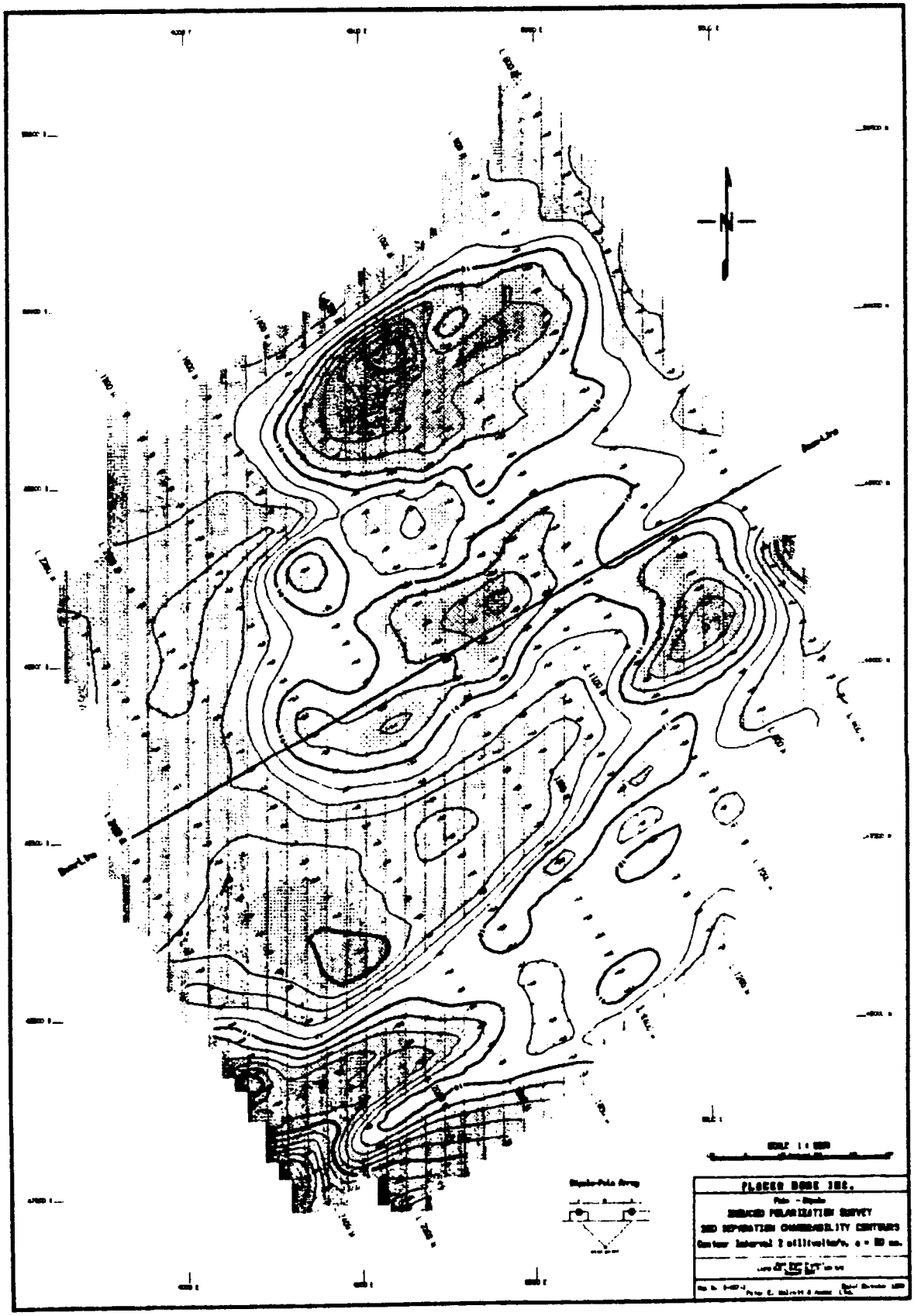
Vancouver,
British Columbia

December 1989

A P P E N D I X

PERSONNEL EMPLOYED ON SURVEY

Name	Occupation	Address	Dates
Peter E. Walcott	Geophysicist	Peter E. Walcott & Assoc. 605 Rutland Court, Coquitlam, B.C. V3J 3T8	Nov. 23rd, Dec. 5th, 6th, 1989
G. MacMillan	Geophysical Operator	"	Aug. 1st - 23rd, Oct. 12th - 16th, Dec.1st - 8th, 1989
I. Franey	"	"	Aug. 1st - 23rd, 1989
P. Charlie	"	"	"
R. Vietor	Helper	"	"
P. Storkle	"	"	"
J. Walcott	Typing	"	Dec. 28th, 1989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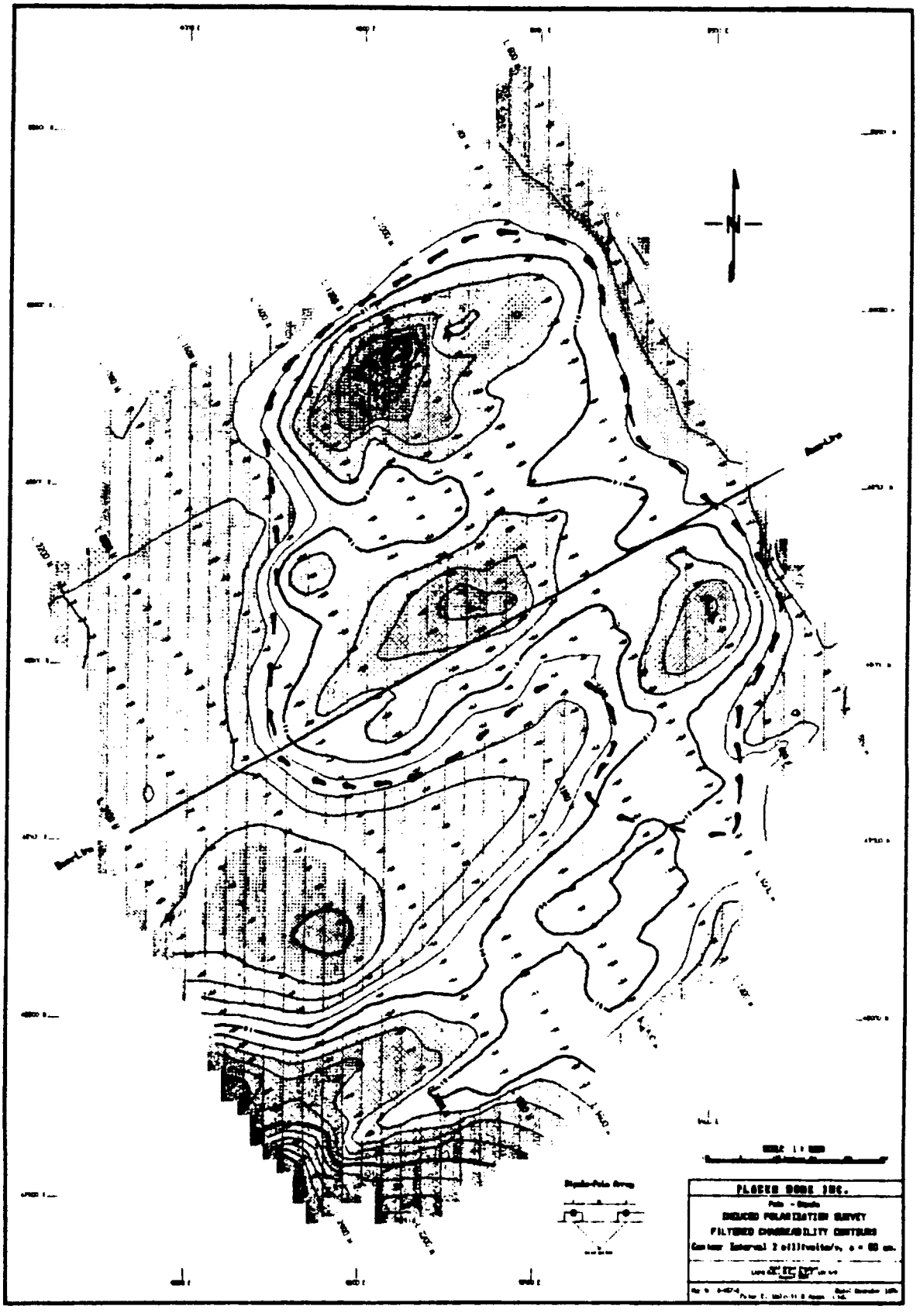
INDUCED POLARIZATION SURVEY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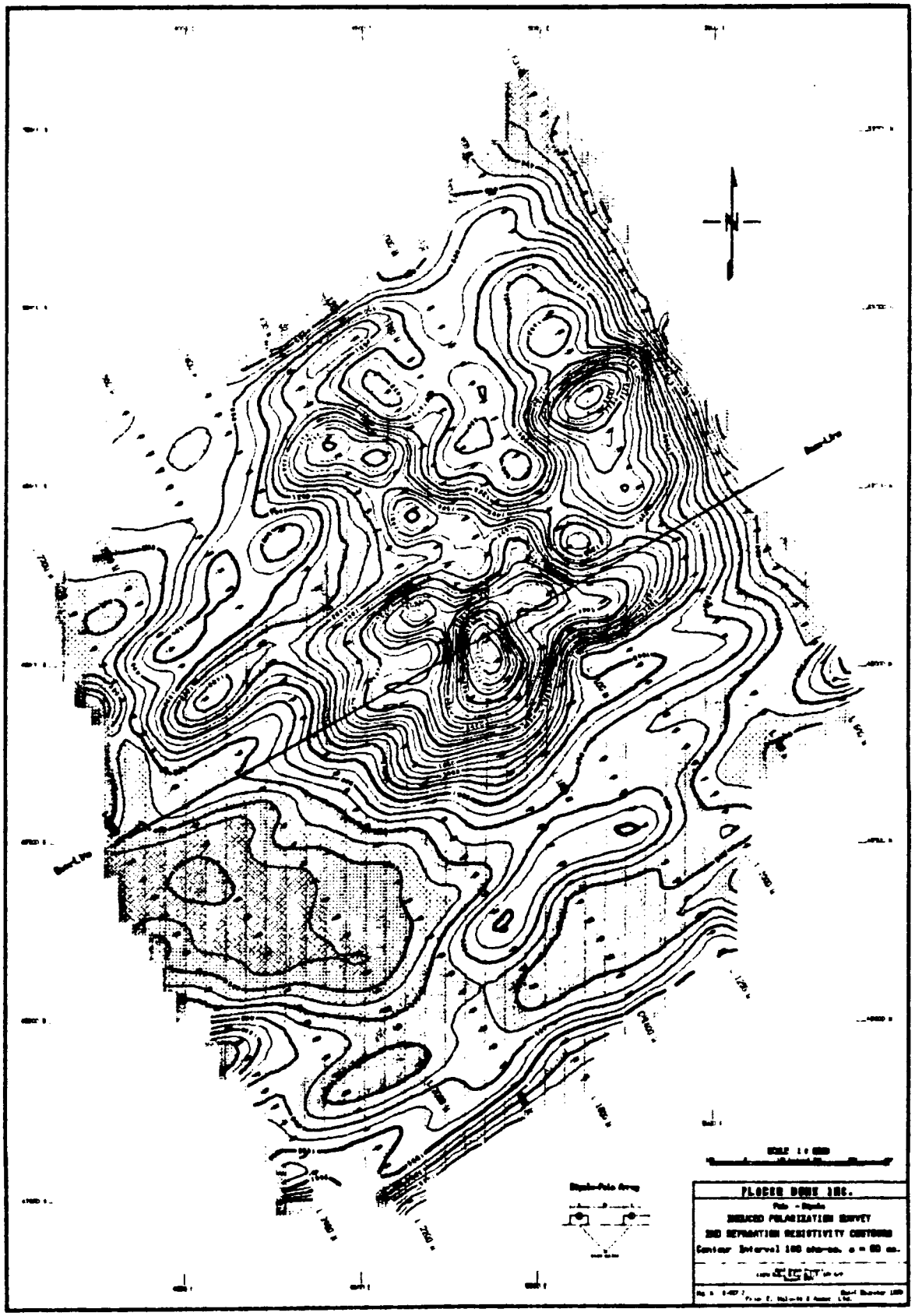
FILTERED CHARGEABILITY CONTOURS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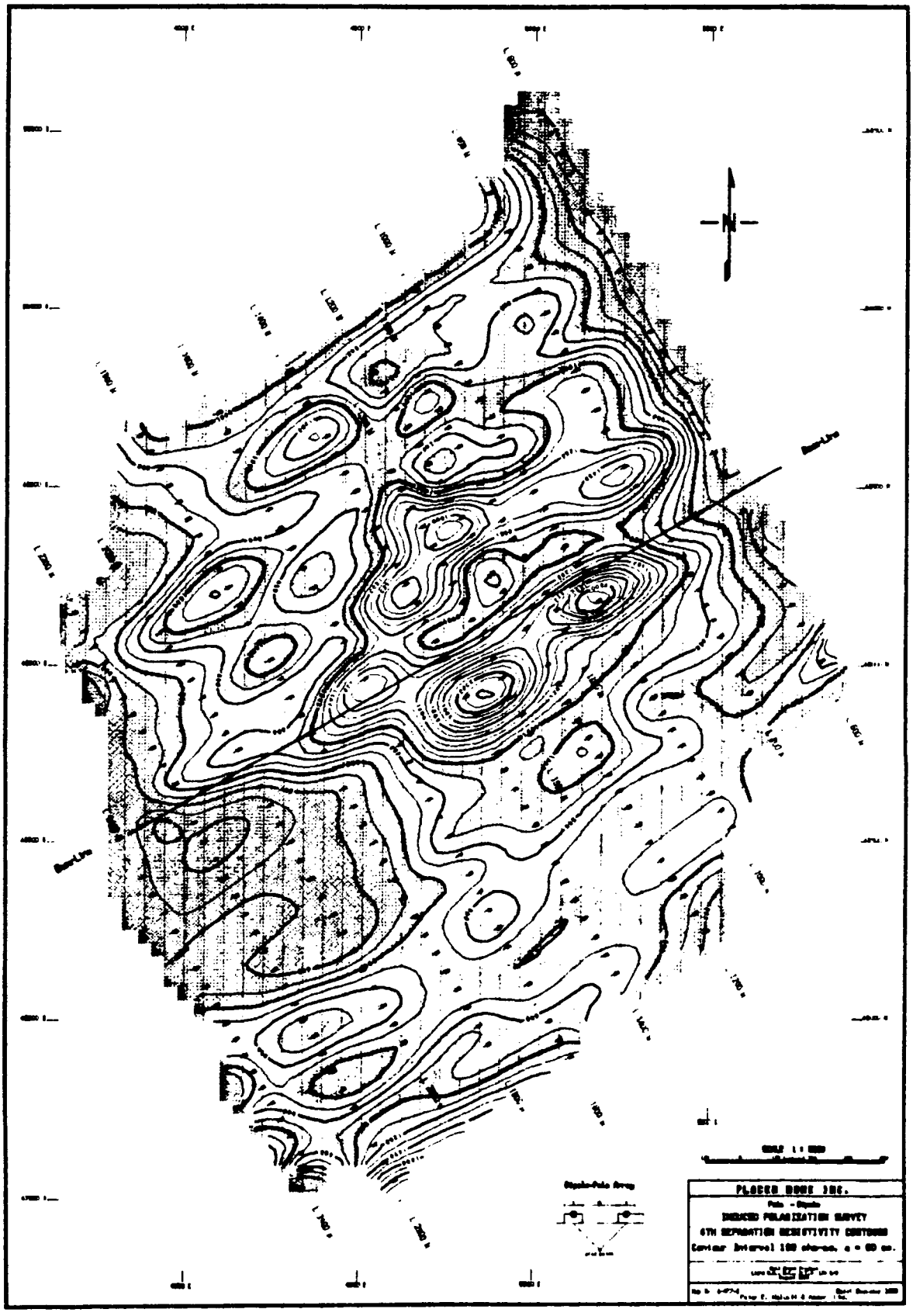
2ND SEPARATION RESISTIVITY CONTOURS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INDUCED POLARIZATION SURVEY
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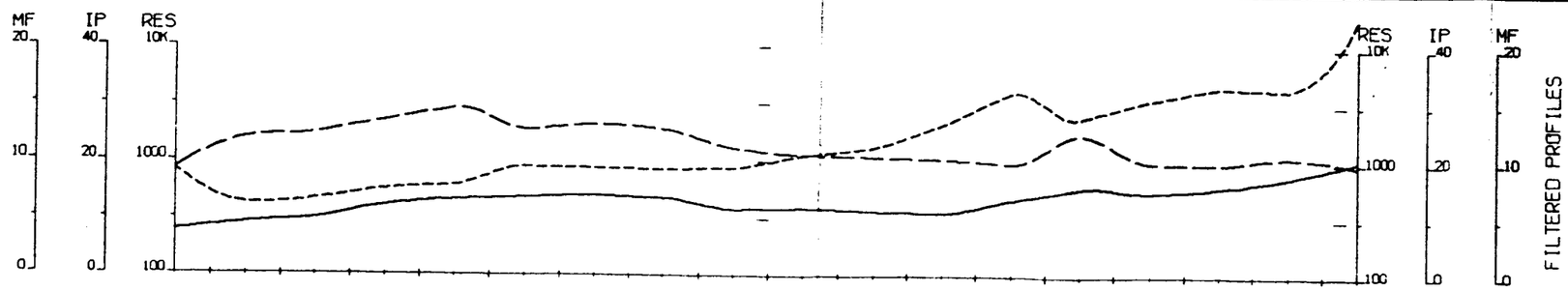
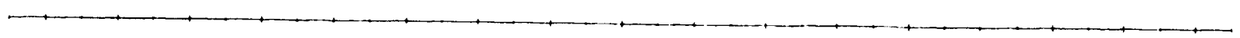
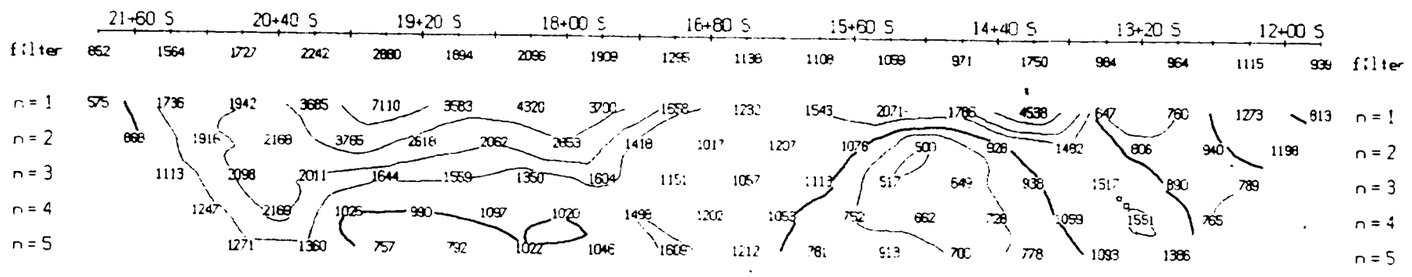




TOPOGRAPHY



RESISTIVITY
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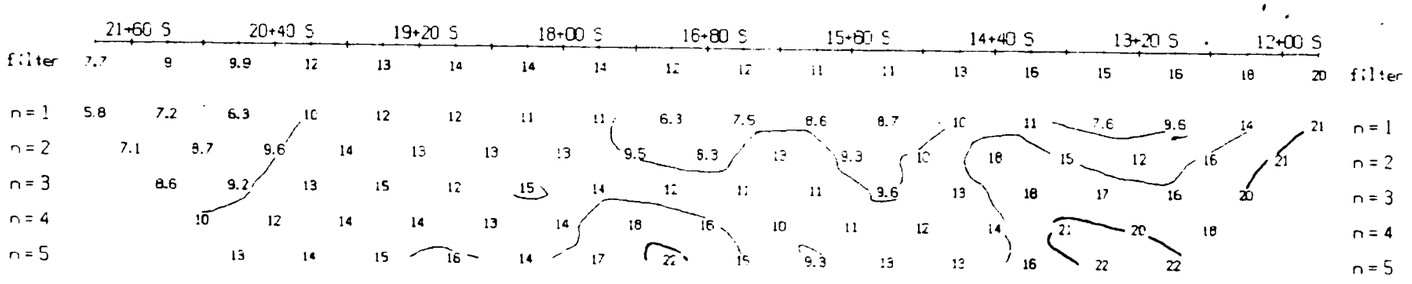
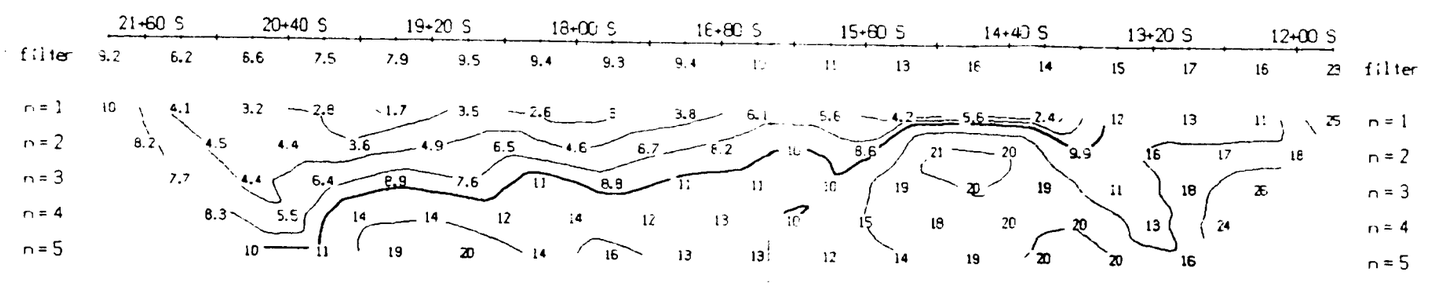


CHARGEABILITY
(millivoltspervolt)

INTERPRETATION

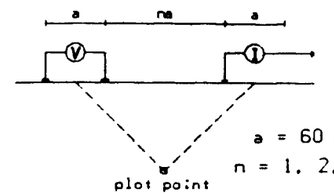


METAL FACTOR
(ip/res * 1000)

GEOSOFT (tm) Software for the Earth Sciences, Toronto, Canada

Line 1100 W

Dipole-Pole Array



a = 60 m
n = 1, 2, 3, 4

Filtered Profiles

	filter
Resistivity	*
Polarization	* *
Metal Factor	* * *
	* * * *

Logarithmic Contours 1, 1.5, 2, 3, 5, 7.5, 10,...

Instrument: EDA IP2 rx, HUNTEC 2.5kw tx
Frequency: .125 Hz
Operator: G.M.,I.F.

INTERPRETATION

- Well defined, strong increase in polarization with or without marked decrease in resistivity.
- Fairly well defined moderate increase in polarization.
- Poorly defined polarization increase.

Resistivity feature.

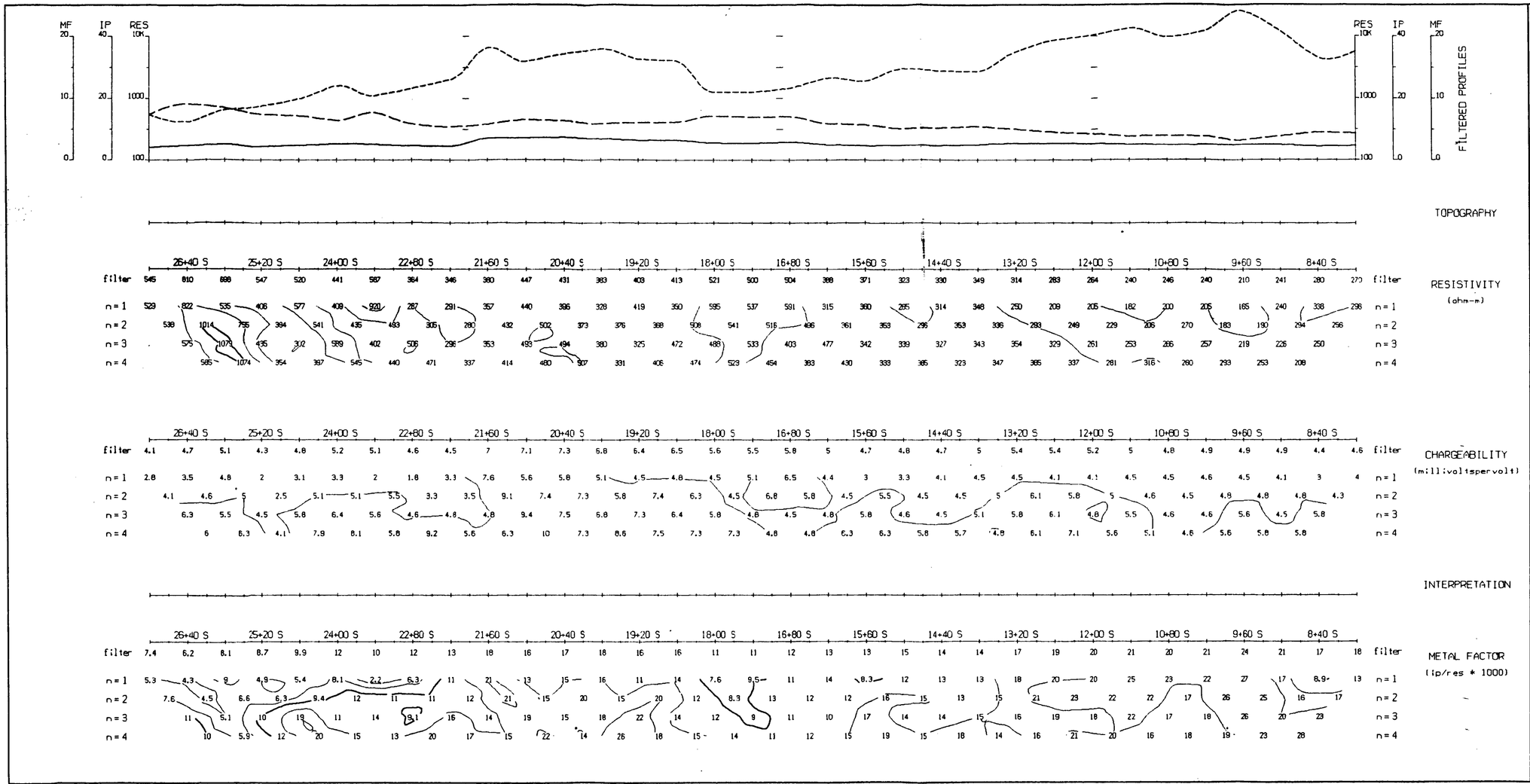
PLACER DOME INC.

INDUCED POLARIZATION SURVEY

BALL CREEK PROJECT
LIARD M.D.,B.C.

Date: 89/11/02 N.T.S.: 104G\8
Interpretation by:
Scale: 1 : 5000

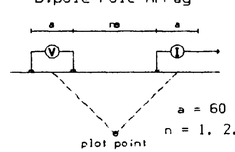
PETER E. WALCOTT & ASSOC. LTD.



GEOSOFT (tm) Software for the Earth Sciences, Toronto, Canada

Line 600 W

Dipole-Pole Array



Filtered Profiles

	filter
Resistivity	*
Polarization	* *
Metal Factor	* * *
	* * * *

Logarithmic Contours 1, 1.5, 2, 3, 5, 7.5, 10,...

Instrument: EDA IP2 rx, HUNTEC 2.5kw tx
Frequency: .125 Hz
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INTERPRETATION

Well defined, strong increase in polarization with or without marked decrease in resistivity.

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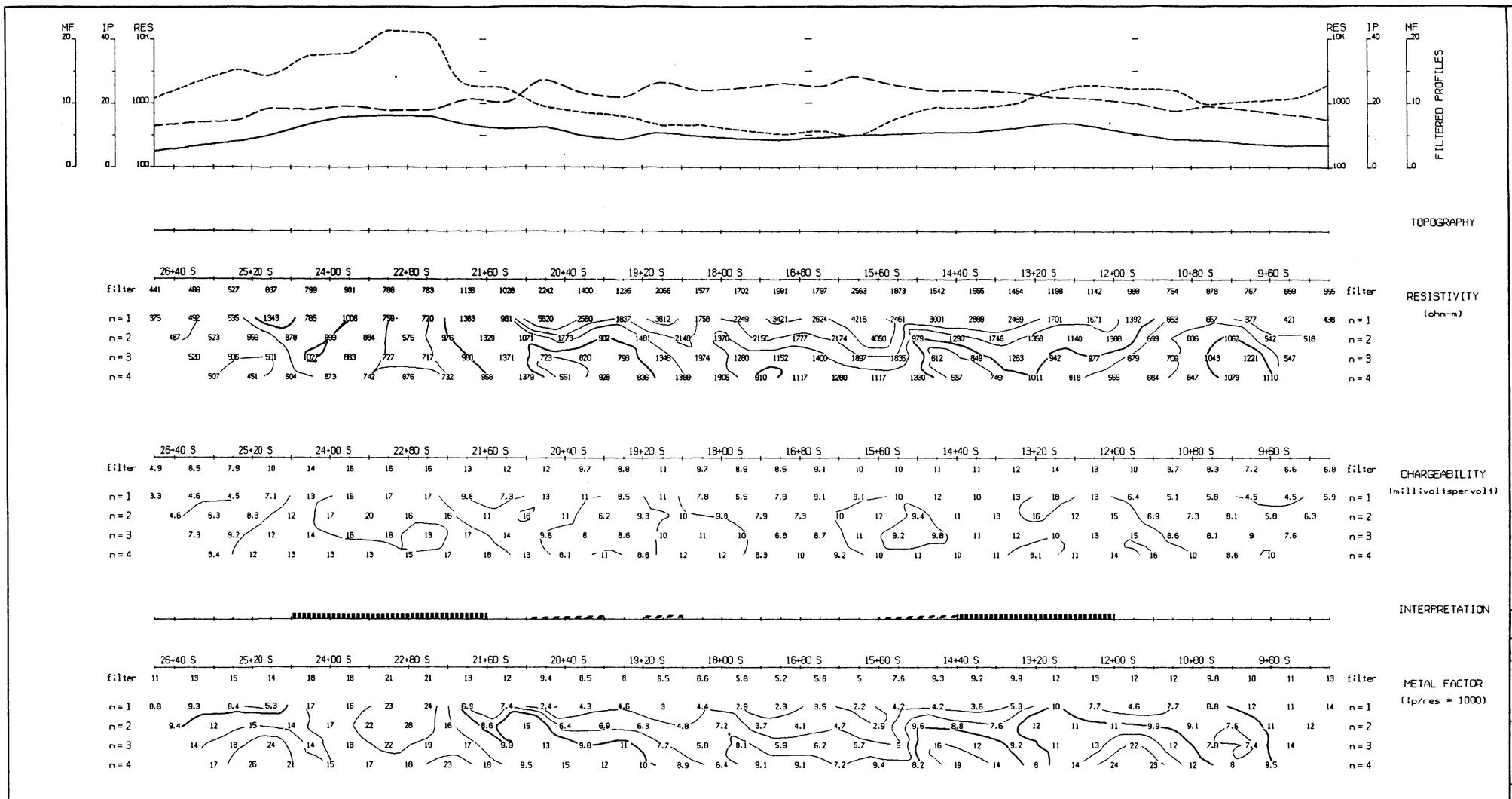
INDUCED POLARIZATION SURVEY

BALL CREEK PROJECT
LIARD M.D.,B.C.

Date: 89/11/02 N.T.S.: 104G\8
Interpretation by:
Scale: 1 : 5000

PETER E. WALCOTT & ASSOC. LTD.

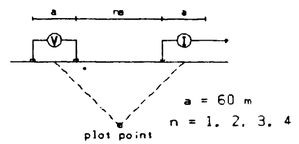
19316 Part 1



GEOSOFT (tm) Software for the Earth Sciences, Toronto, Canada

Line 800 W

Dipole-Pole Array



Filtered Profiles

	filter
Resistivity	*
Polarization	* *
Metal Factor	* * *
	* * * *

Logarithmic Contours 1, 1.5, 2, 3, 5, 7.5, 10,...

Instrument: EDA IP2 rx, HUNTEC 2.5kw tx
Frequency: .125 Hz
Operator: G.M..I.F.

INTERPRETATION

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Poorly defined polarization increase.

Resistivity feature.

PLACER DOME INC.

INDUCED POLARIZATION SURVEY
BALL CREEK PROJECT
LIARD M.D.,B.C.

Date: 89/11/02 N.T.S.: 104G\8
Interpretation by:
Scale: 1 : 5000

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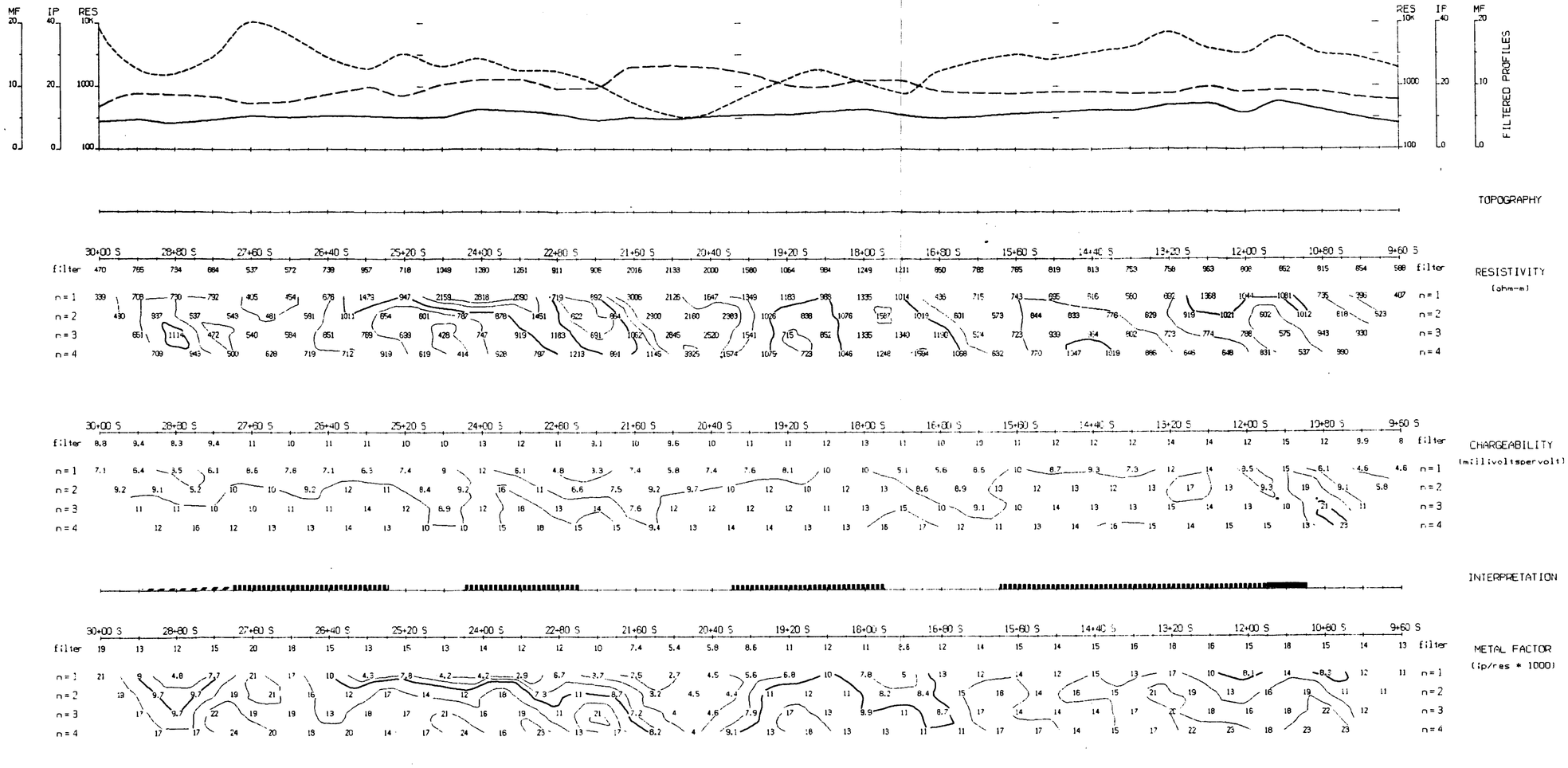
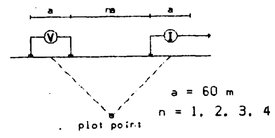


Line 1000 W

Dipole-Pole Array



Filtered Profiles

Resistivity — filter *
Polarization — filter * *
Metal Factor — filter * * *
* * * *

Logarithmic Contours 1, 1.5, 2, 3, 5, 7.5, 10,...

Instrument: EDA IP2 rx, HUNTEC 2.5kw tx
Frequency: .125 Hz
Operator: G.M., I.F.

INTERPRETATION

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Resistivity feature.

PLACER DOME INC.

INDUCED POLARIZATION SURVEY

BALL CREEK PROJECT
LIARD M.D., B.C.

Date: 89/11/02 N.T.S.: 104G\8
Interpretation by:
Scale: 1 : 5000

PETER E. WALCOTT & ASSOC. LTD.

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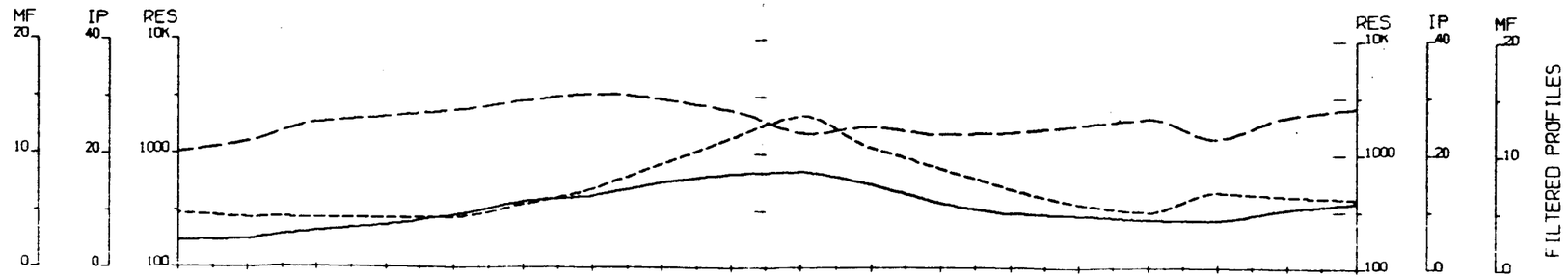
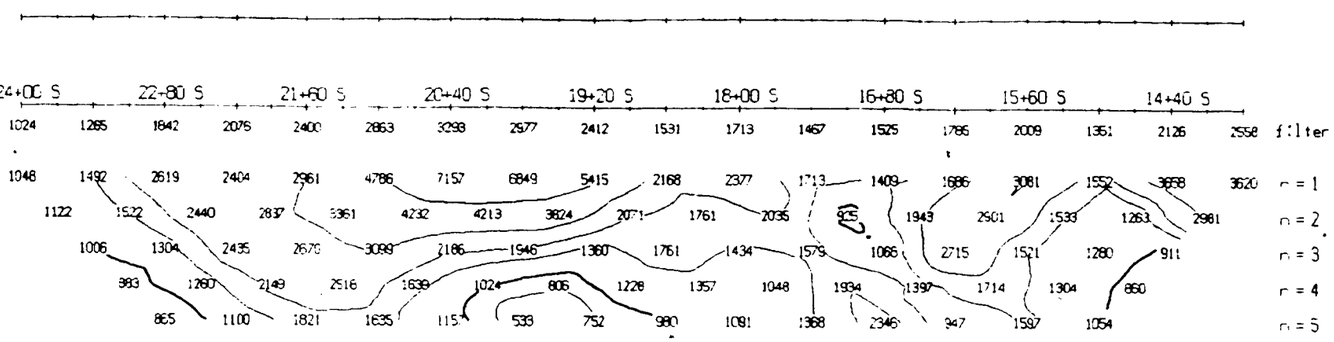
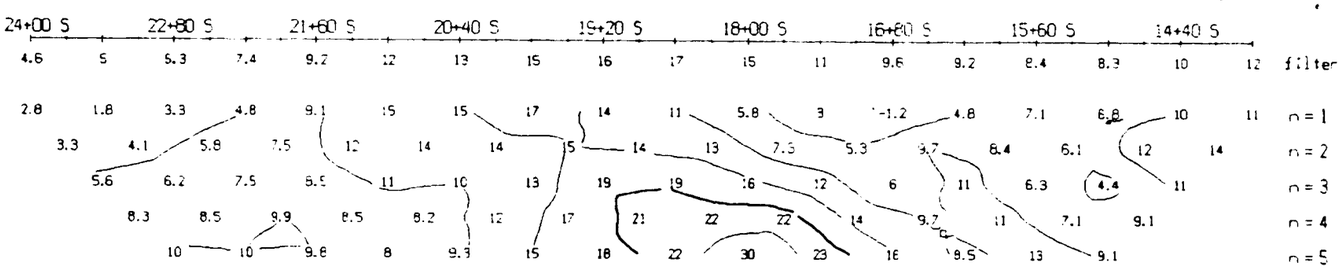




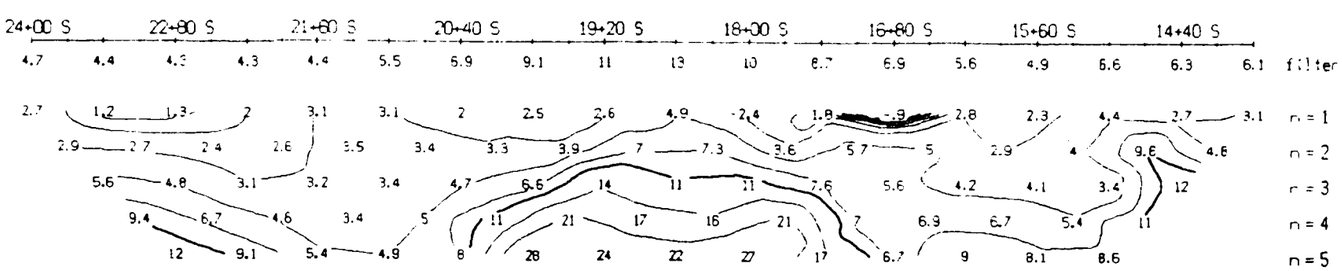
TOPOGRAPHY

RESISTIVITY
(ohm-m)



CHARGEABILITY
(millivoltspervolt)

INTERPRETATION



METAL FACTOR
(ip/res * 1000)

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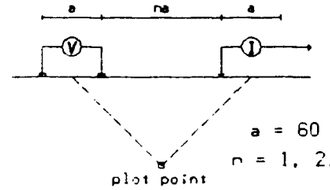
Line 1300 W

Dipole-Pole Array



a = 60 m
n = 1, 2, 3, 4

Filtered Profiles

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Resistivity	*
Polarization	* *
Metal Factor	* * *
	* * * *

Logarithmic Contours 1, 1.5, 2, 3, 5, 7.5, 10,...

Instrument: EDA IP2 rx, HUNTEC 2.5kw tx
Frequency: .125 Hz
Operator: G.M., I.F.

INTERPRETATION

Well defined, strong increase in polarization with or without marked decrease in resistivity.

Fairly well defined moderate increase in polarization.

Poorly defined polarization increase.

Resistivity feature.

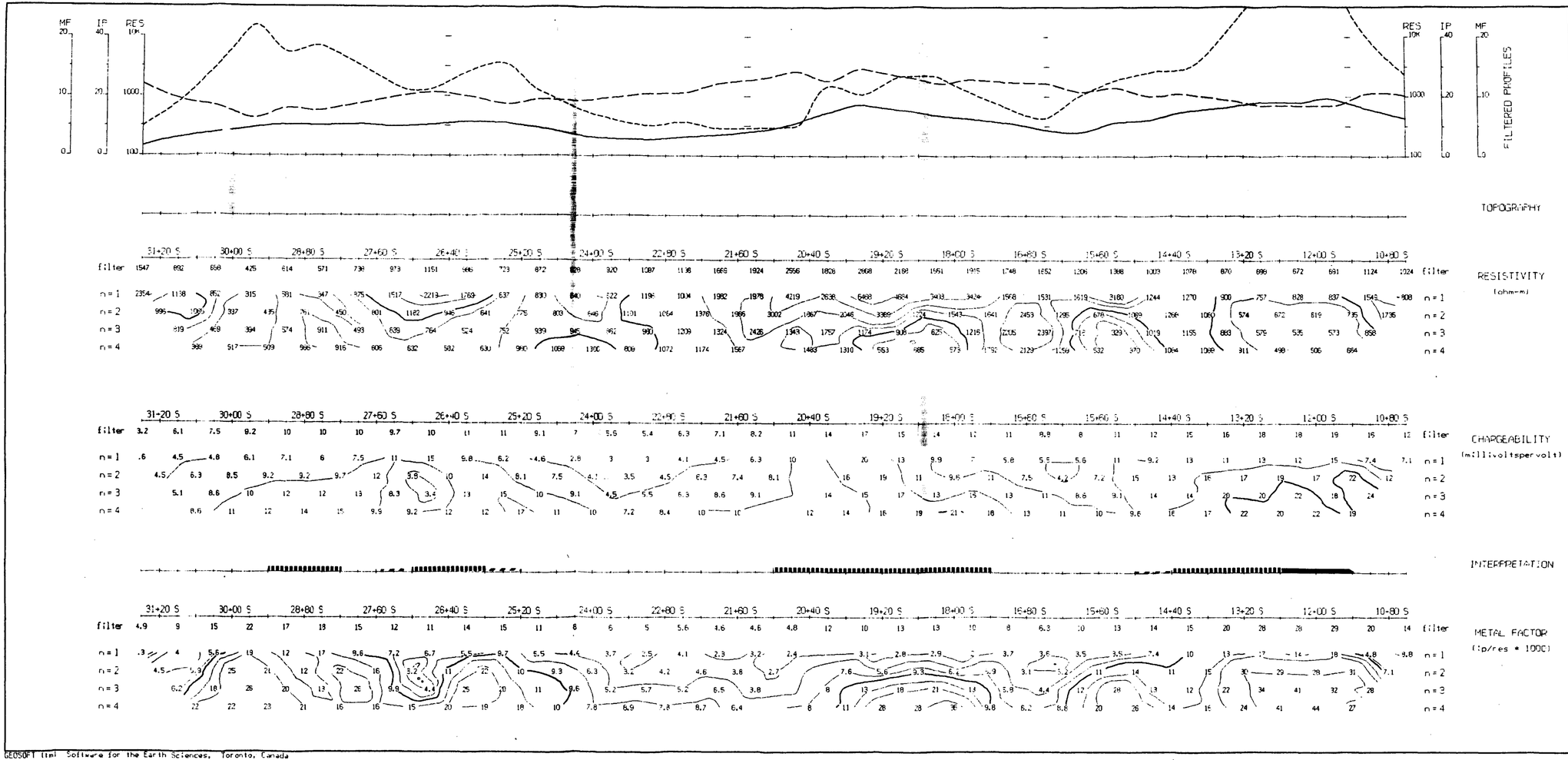
PLACER DOME INC.

INDUCED POLARIZATION SURVEY

BALL CREEK PROJECT
LIARD M.D., B.C.

Date: 89/11/02 N.T.S.: 104G\8
Interpretation by:
Scale: 1 : 5000

PETER E. WALCOTT & ASSOC. LTD.



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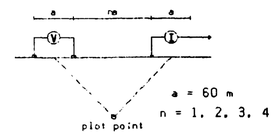
Line 1200 W

Dipole-Pole Array



Filtered Profiles

	filter
Resistivity	*
Polarization	* *
Metal Factor	* * *
	* * * *

Logarithmic Contours 1, 1.5, 2, 3, 5, 7.5, 10,...

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Frequency: .125 Hz
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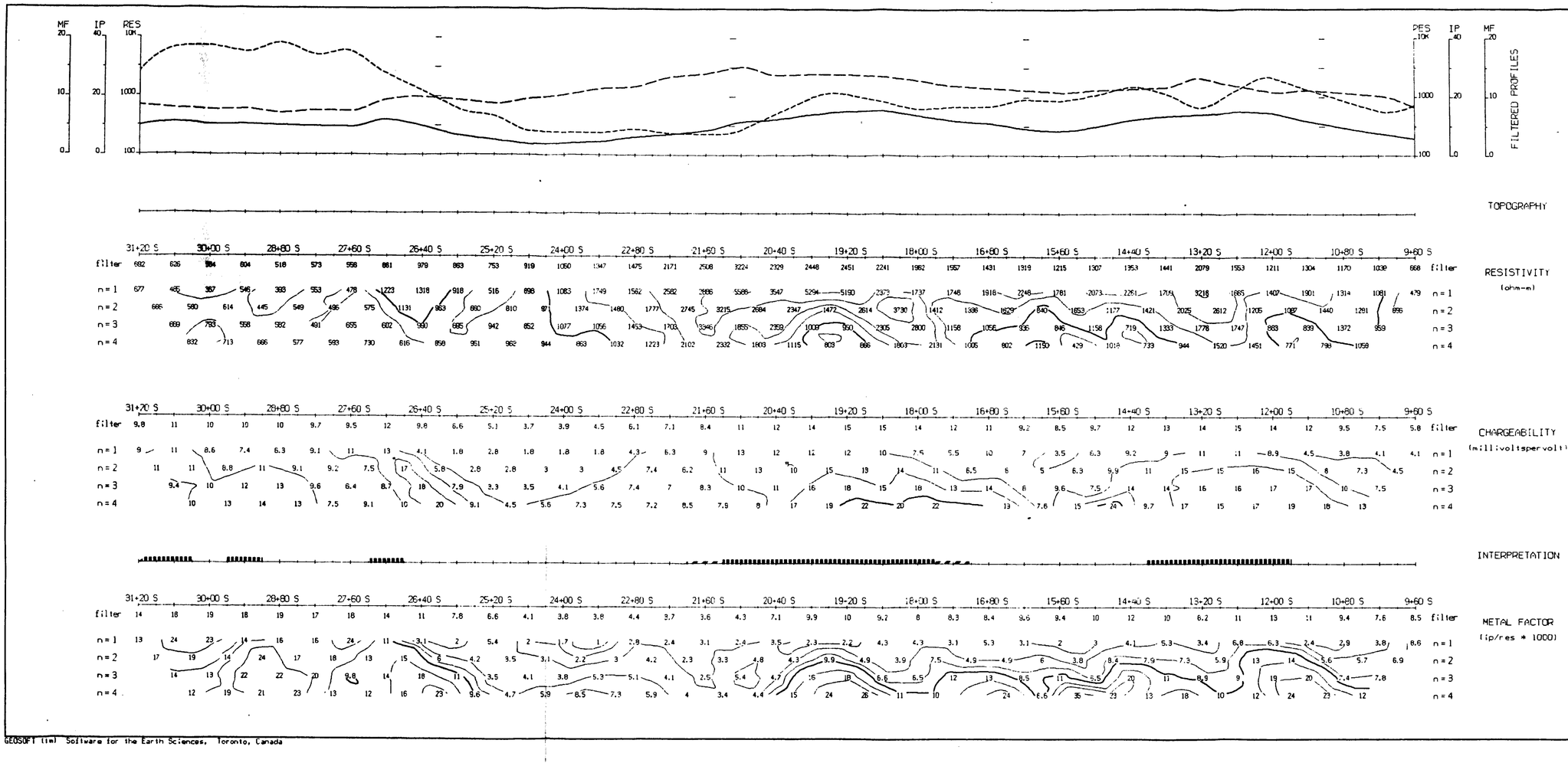
Interpretation by:
Scale: 1 : 5000

PETER E. WALCOTT & ASSOC. LTD.

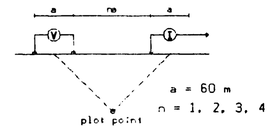
19316 part 1



GEOSOFT (tm) Software for the Earth Sciences, Toronto, Canada

Line 1400 W

Dipole-Pole Array



Filtered Profiles

	filter
Resistivity	*
Polarization	* *
Metal Factor	* * *
	* * * *

Logarithmic Contours 1, 1.5, 2, 3, 5, 7.5, 10,...

Instrument: EDA IP2 r., HUNTEC 2.5kw tx
Frequency: .125 Hz
Operator: G.M..I.F.

INTERPRETATION

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Fairly well defined moderate increase in polarization.

Poorly defined polarization increase.

Resistivity feature.

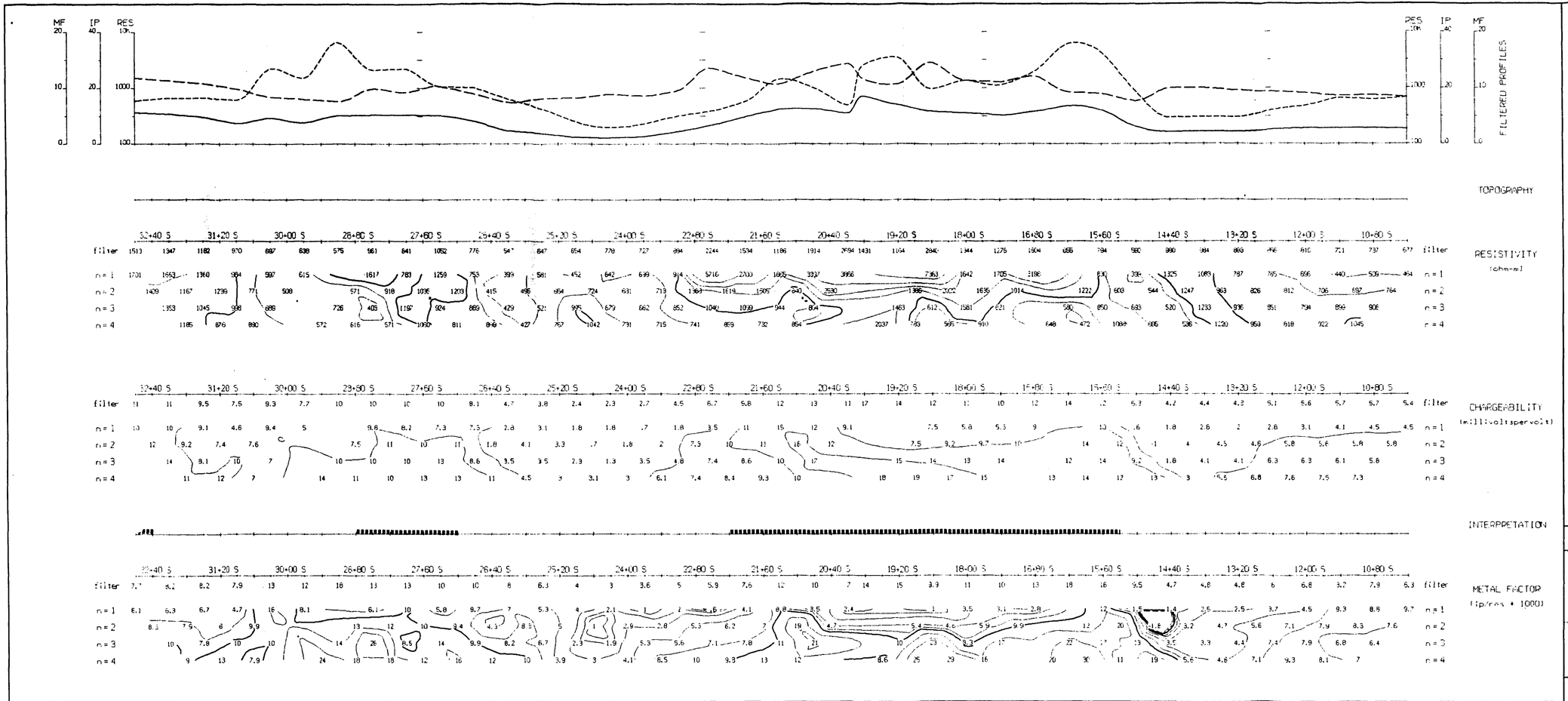
PLACER DOME INC.

INDUCED POLARIZATION SURVEY
BALL CREEK PROJECT
LIARD M.D.,B.C.

Date: 89/11/02 N.T.S.: 104G\8
Interpretation by:
Scale: 1 : 5000

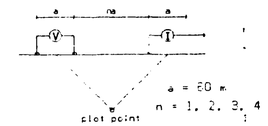
PETER E. WALCOTT & ASSOC. LTD.

19316 part 1



Line 1600 W

Dipole-Pole Array



Filtered Profiles

	filter
Resistivity	*
Polarization	* *
Metal Factor	* * *
	* * * *

Logarithmic Contours 1, 1.5, 2, 3, 5, 7.5, 10,...

Instrument: EDA IP2 rx, HUNTEC 2.5kw tx
Frequency: .125 Hz
Operator: G.M., I.F.

INTERPRETATION

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Fairly well defined moderate increase in polarization.

Poorly defined polarization increase.

Resistivity feature.

PLACER DOME INC.

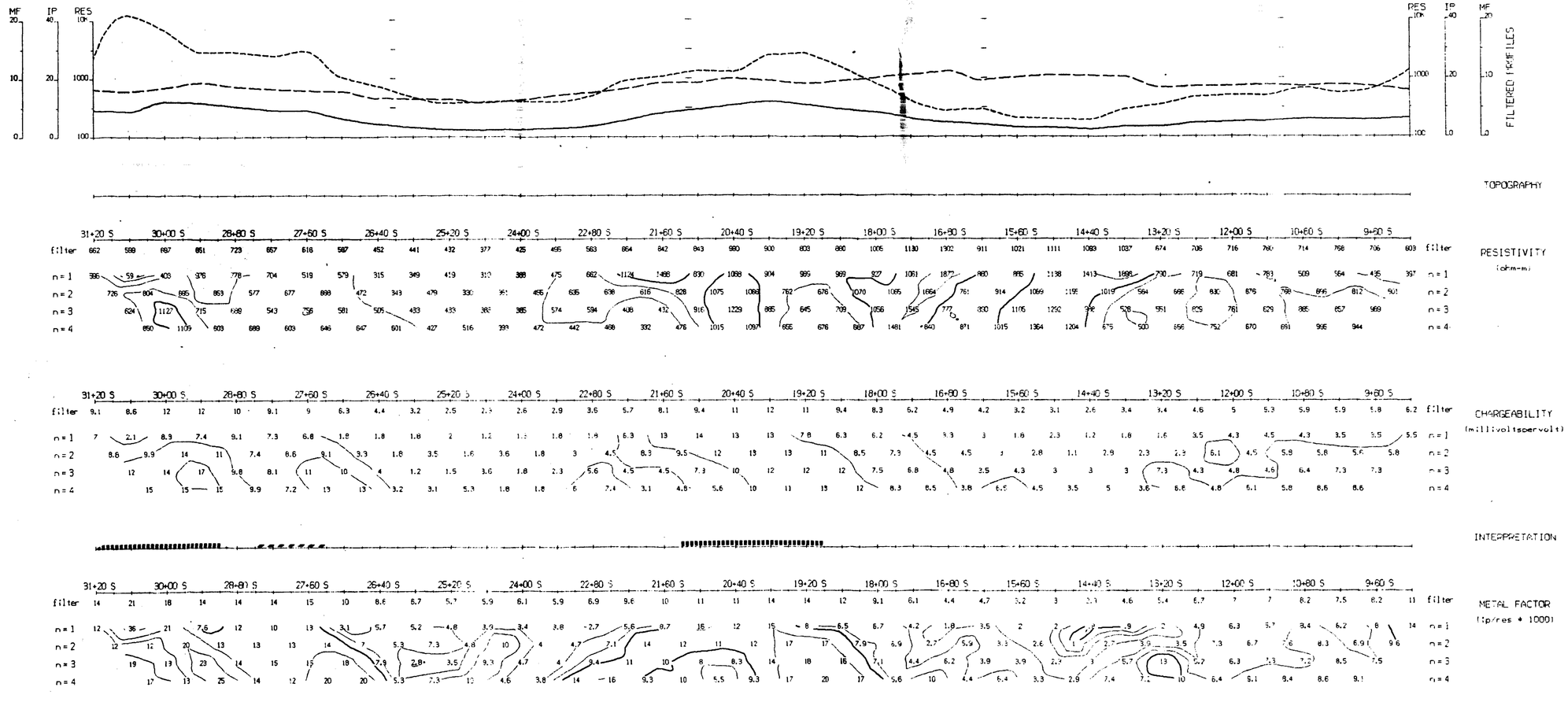
INDUCED POLARIZATION SURVEY

BALL CREEK PROJECT
LIARD M.D., B.C.

Date: 89/11/02 N.T.S.: 104G\8
Interpretation by:
Scale: 1 : 5000

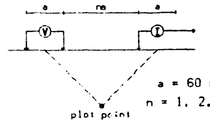
PETER E. WALCOTT & ASSOC. LTD.

193116 part 1



Line 1800 W

Dipole-Pole Array



Filtered Profiles

Resistivity
Polarization
Metal Factor

filter
*
* *
* * *
* * * *

Logarithmic Contours 1, 1.5, 2, 3, 5, 7.5, 10,...

Instrument: EDA IP2 rx, HUNTEC 2.5kw tx
Frequency: .125 Hz
Operator: G.M..I.F.

INTERPRETATION

Well defined, strong increase in polarization with or without marked decrease in resistivity.

Fairly well defined moderate increase in polarization.

Poorly defined polarization increase.

Resistivity feature.

PLACER DOME INC.

INDUCED POLARIZATION SURVEY

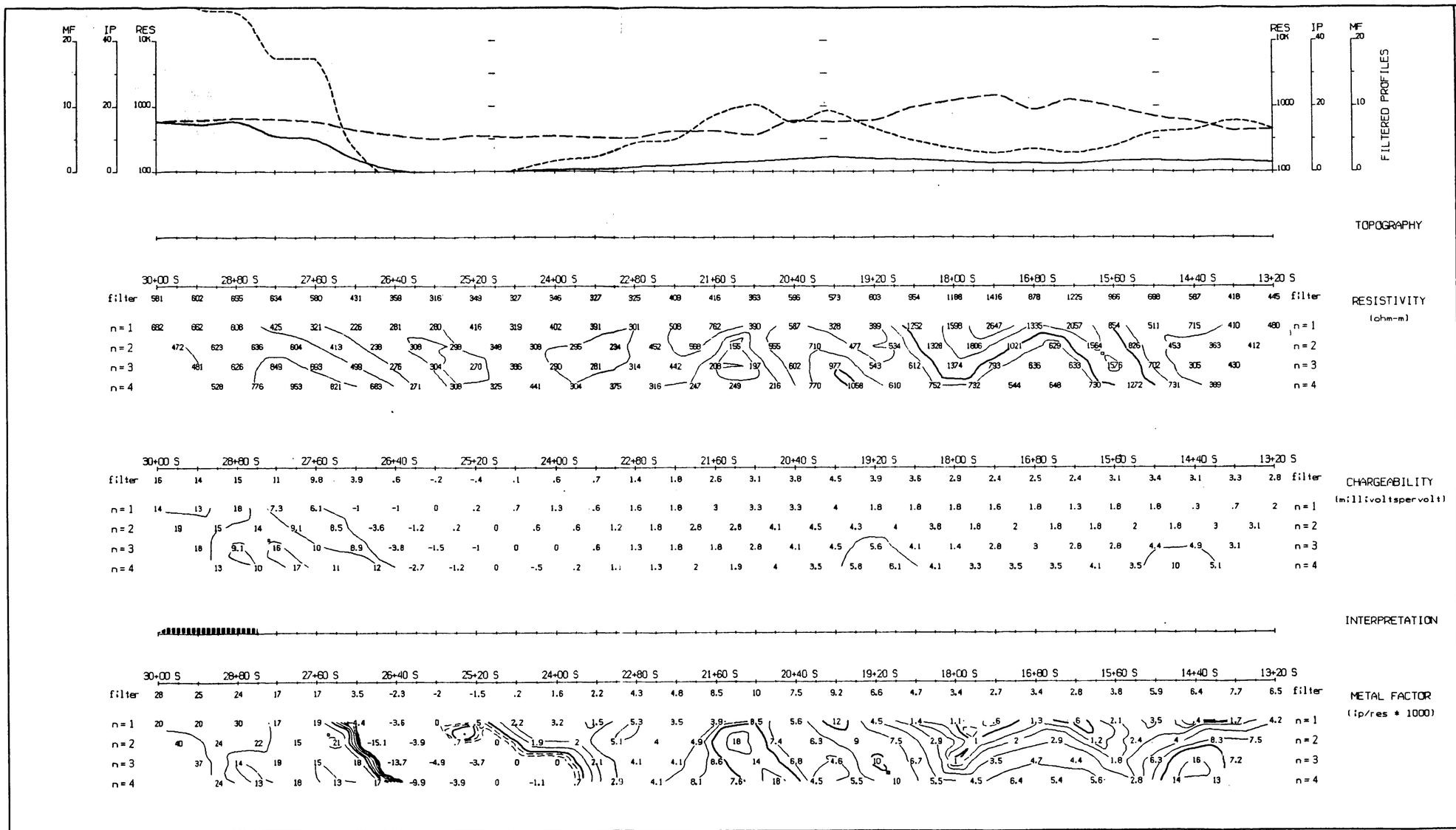
BALL CREEK PROJECT
LIARD M.D., B.C.

Date: 89/11/02 N.T.S.: 104G\8
Interpretation by:
Scale: 1 : 5000

PETER E. WALCOTT & ASSOC. LTD.

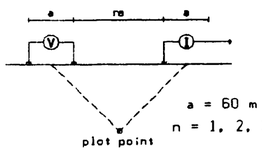
GEOSOFT (tm) Software for the Earth Sciences, Toronto, Canada

19316 part 1



Line 2000 W

Dipole-Pole Array



Filtered Profiles

	filter
Resistivity	*
Polarization	* *
Metal Factor	* * *
	* * * *

Logarithmic Contours 1, 1.5, 2, 3, 5, 7.5, 10,...

Instrument: EDA IP2 rx, HUNTEC 2.5kw tx
Frequency: .125 Hz
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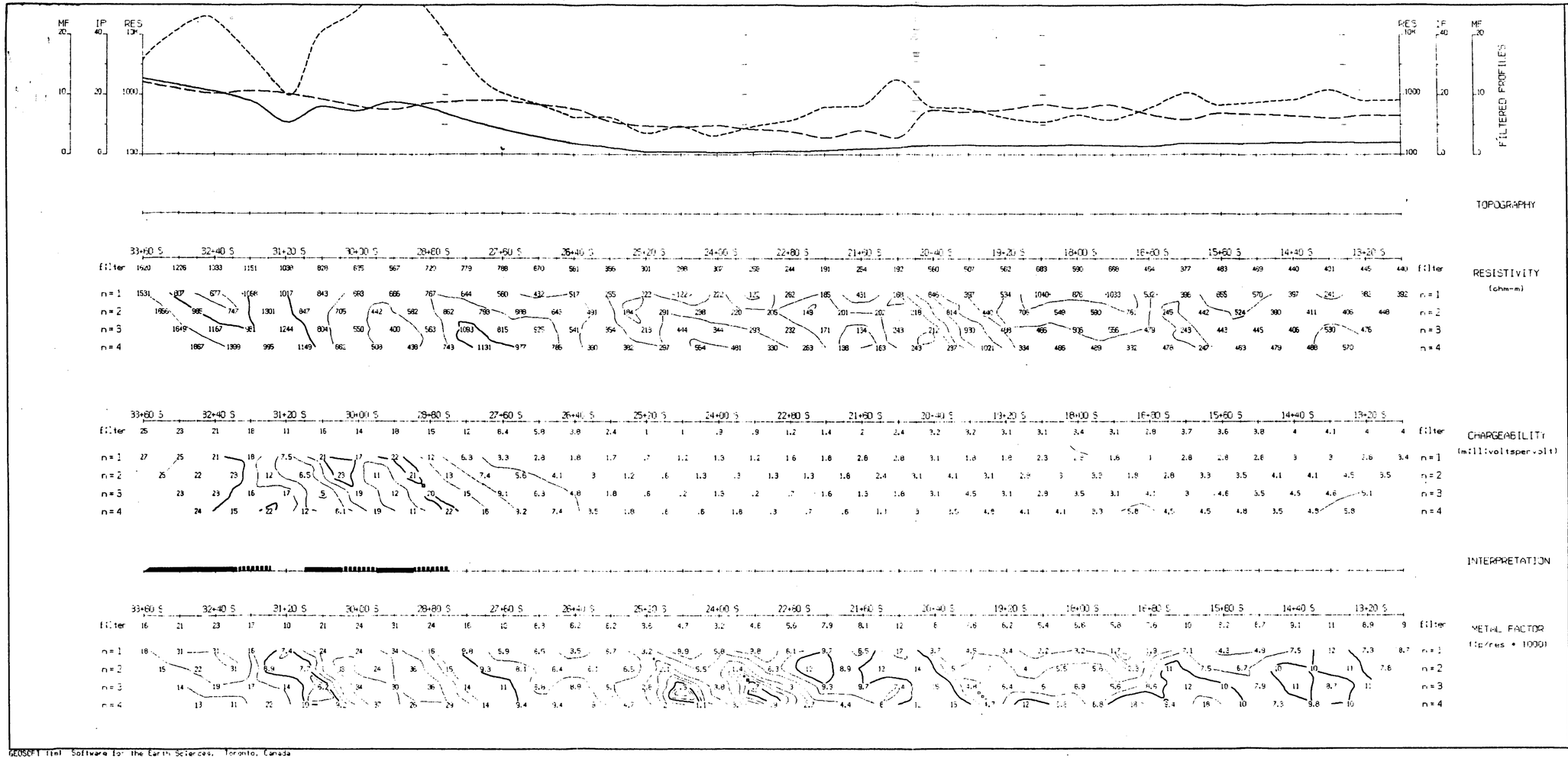
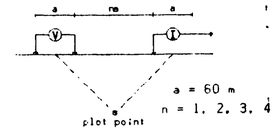
19316 part 1



GEOSOFT (tm) Software for the Earth Sciences, Toronto, Canada

Line 2200 W

Dipole-Pole Array



Filtered Profiles

	filter
Resistivity	*
Polarization	* *
Metal Factor	* * *
	* * * *

Logarithmic Contours 1, 1.5, 2, 3, 5, 7.5, 10,...

Instrument: EDA IP2 rx, HUNTEC 2.5kw tx
Frequency: .125 Hz
Operator: G.M.,I.F.

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INDUCED POLARIZATION SURVEY

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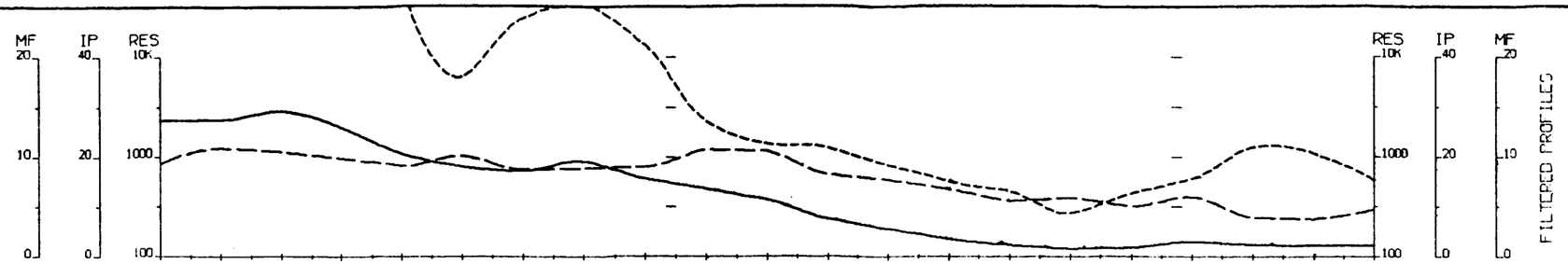
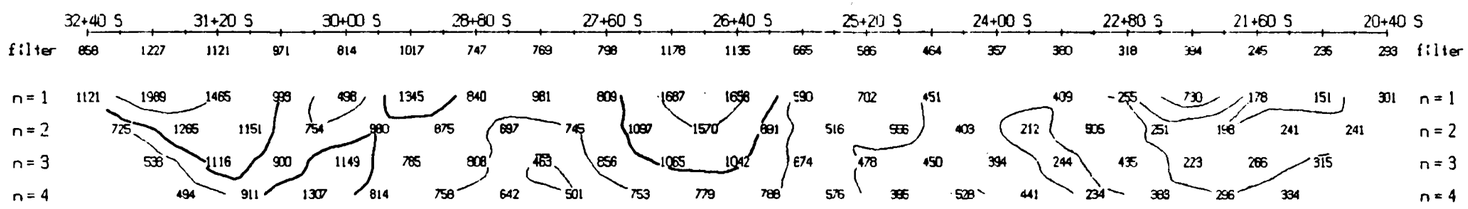
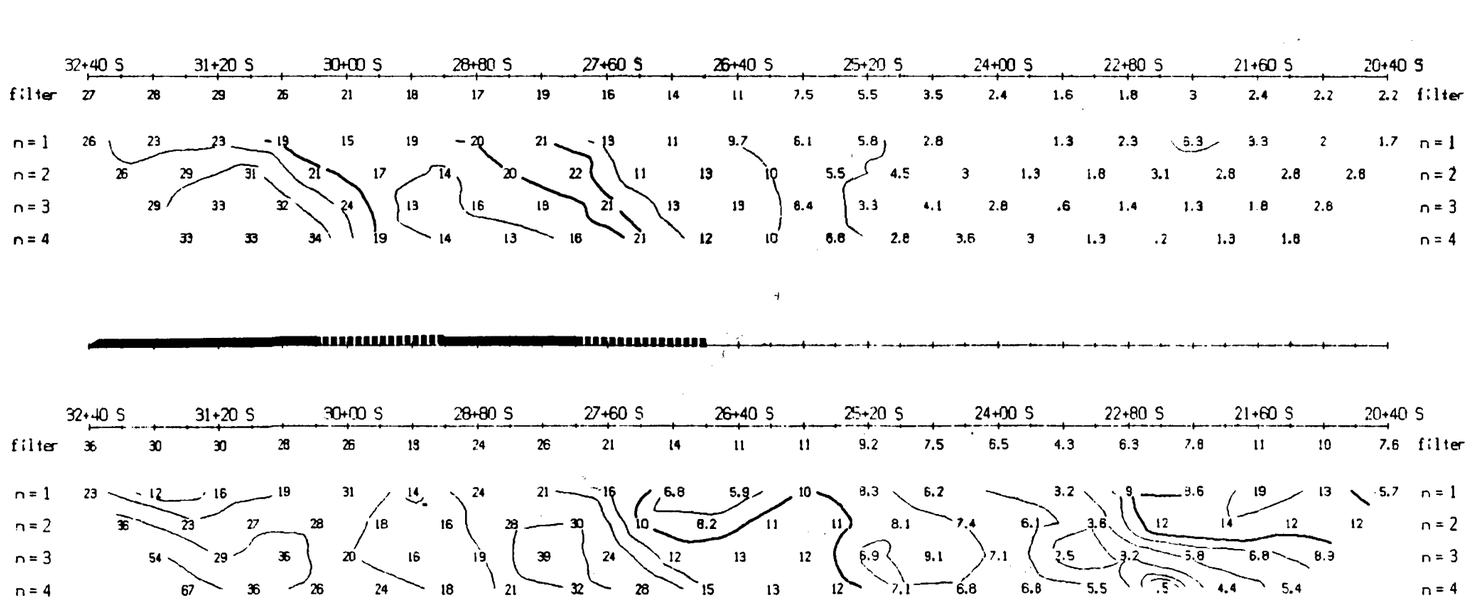
19316 part 1



TOPOGRAPHY



RESISTIVITY
(ohm-m)



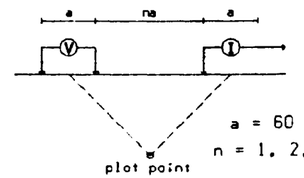
CHARGEABILITY
(millivoltspervolt)

INTERPRETATION

METAL FACTOR
(ip/res * 1000)

Line 2400 W

Dipole-Pole Array



a = 60 m
n = 1, 2, 3, 4

Filtered Profiles

	filter
Resistivity	*
Polarization	* *
Metal Factor	* * *
	* * * *

Logarithmic Contours 1, 1.5, 2, 3, 5, 7.5, 10,...

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Frequency: .125 Hz
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INDUCED POLARIZATION SURVEY

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Scale: 1 : 5000

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193(6 part 1

APPENDIX NO. 2

Petrographic Report

by

Vancouver Petrographics Ltd.

PREFACE

Thirty rock specimens described in the Petrographic Report were taken from the following locations. The six specimens of drill core are identified by hole and footage number.

Sample No.	Approximate Grid Coordinate Westing	Southing	Location
89T10			In Camp Creek at 1175 m elevation. Lower Dyke at 2+3a outcrop.
89T20	1030W	2260S	At 2a outcrop.
89T22			At 2 outcrop at Little Red Hill.
89T23	1030W	2200S	At 3a outcrop on Lower Dyke.
89T32	850W	1620S	At 3a outcrop on Lower Dyke.
89T34	760W	1540S	At 2 outcrop.
89T46			In East Cliff Creek at 1350 m elevation at 3 outcrop.
89T60	1550W	1680S	At 2 outcrop.
89T65			In Fossil Creek at 1260 m elevation at 3 outcrop.
89T72	1180W	1620S	At 2Bxx, Kspar alt outcrop.
89T73	1320W	1860S	At 2Bxx, Kspar alt outcrop.
89T75			At 3b(2?) outcrop on Upper Dyke at 1420 m elevation.
89T79	1300W	1420S	At 3b(2?) outcrop on Upper Dyke at 1370 m elevation.
89T83B	1120W	1450S	At 2Bxx outcrop.
89T85	1080W	1770S	At 3a outcrop on Lower Dyke.
89T93			At 2 outcrop at Little Red Hill.
89T101	1350W	2040S	At 2a outcrop.
89T108	1500W	2060S	At 2? outcrop at Big Red Hill.
89T109	1500W	2060S	Same location as 89T108.
89T122			In Fossil Creek at 1560 m elevation at 3 outcrop.
89T125			At 3a outcrop on Upper Dyke at 1480m elevation.
89T132	1610W	2630S	At 3b? outcrop.
89T134	1700W	1860S	At 3b outcrop on Upper Dyke at Big Red Hill.
89T139	1680W	2140S	At 3b? outcrop.
89T164	1180W	3060S	At 4a outcrop at Trachyte Knob.
89T184	2400W	2280S	At 4b outcrop above Cliff Zone.
89T186	2250W	2250S	At 4b outcrop at 1680 m elevation.
89T194	2490W	2020S	At 3c outcrop on Ridge Dyke.
89T197			At 3c outcrop on Ridge Dyke at 1650 m elevation.
89T208	1450W	2040S	At 2+3d outcrop at Big Red Hill.

Vancouver Petrographics Ltd.

JAMES VINNELL, Manager
JOHN G. PAYNE, Ph.D. Geologist
CRAIG LEITCH, Ph.D. Geologist
JEFF HARRIS, Ph.D. Geologist
KEN E. NORTHCOTE, Ph.D. Geologist

P.O. BOX 39
8080 GLOVER ROAD,
FORT LANGLEY, B.C.
V0X 1J0
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Report for: Rein Turna,
Placer Dome Inc.,
1500-1055 Dunsmuir St.,
Vancouver, B.C.
V7X 1P1

Invoice 8531

November 2nd, 1989

SAMPLES:

36 rock samples for sectioning and petrographic description.

Samples are numbered as follows:

89T 10	89T 72	89T 109	89T 194
20	73	122	197
22	75	125*	208
23	79	132	DDH 73-2 252'
32*	83B	134	463.5'
34	85*	139	DDH 73-3 238'
46*	93	164	DDH 75-2 698.5'*
60*	101*	184	822'
65	108*	186	DDH 75-5 145'

The samples marked with an asterisk in the above list were prepared as polished thin sections to allow observations on the contained opaques. The remainder were prepared as conventional thin sections.

SUMMARY:

The great majority of the rocks of this suite are abundantly porphyritic, quartz-poor, igneous rocks of monzonitic composition, made up of phenocrysts of plagioclase, plus minor K-feldspar and mafics, in a groundmass composed mainly of K-feldspar. They have the textural aspect of hypabyssal intrusives.

In most of these rocks K-feldspar, as a percentage of total feldspars, ranges from about 30-50%. Those rocks with percentages of 35% or more are classified as monzonites. Those with somewhat

lower ratios (but still, in my opinion, too potassic to be classed as normal diorites) have been designated monzo-diorite. These rocks represent a continuum, and may well grade from one compositional group to the other within a given dyke.

Quartz is generally absent or, in a few cases, is present as a minor component, in the range 1 -5%. Only one sample contains abundant primary quartz, making it classifiable as a granodiorite.

In general, these rocks are only weakly altered. Plagioclase phenocrysts show from very weak to moderate pervasive sericitization (or, occasionally, argillization); in a few cases they show carbonate alteration. K-spar is generally fresh, but in rare cases shows carbonate alteration.

The minor mafics are typically strongly to totally altered. They apparently originated as biotite, amphibole and pyroxenes, in various proportions. They are now altered to various combinations of chlorite, carbonate, and secondary biotite or amphibole.

In a few cases the rocks show quartz veining and associated localized K-feldspathization.

Many of the porphyries contain traces of disseminated pyrite - in a few cases reaching 1-2% of the rock. Higher pyrite contents occur in some of the keratophyrici and andesitic country rocks.

A few of the monzonite porphyry samples contain xenoliths - generally of plagioclase-rich material (probably representing keratophyric country rock). Partial assimilation of xenoliths produces hybrid rocks. Some of these are of fine-grained, K-rich composition, possibly representing contact and/or potassic-altered phases of the intrusives.

Other lithotypes represented in the suite (country rocks to the intrusives) are sodic igneous rocks of probable keratophyric affinities, tuffs and andesites.

Groupings based on the petrographic study are as follows:

Granodiorite porphyry: Sample 46

Monzo-diorite porphyry: Samples 10, 23, 79, 85, 125, 134. (#134 approaches diorite in composition).

Monzonite porphyry: Samples 22, 32, 65, 72, 75, 122, 132, 139, 184, 186, 194, 197 and 73-3 238'. (#72 approaches syenite in composition).

Monzonite porphyry with xenoliths: Samples 34, 164 and 73-2 252'.

Syenitic rocks (hybrids and/or K-metasomatites): Samples 73, 93

Monzonite porphyry with quartz veins and potassic alteration: Samples 83B, 73-2 463.5' and 75-5 145'.

Albitite or keratophyre: Samples 60, 101, 108, 109.

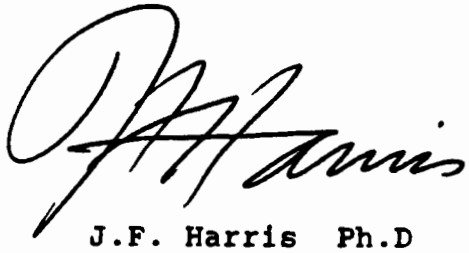
Tuff: Samples 20, 208

Andesite: Samples 75-2 698.5' and 822'

Please refer to the individual petrographic descriptions (attached) for details of variations in primary composition and texture, and style and intensity of alteration.

The necessary information to answer your specific queries will, I think, be forthcoming from study and compilation of the relevant descriptions.

Some consistency in the characteristics of the samples representing the three postulated major dyke structures is apparent. The recognition of a sodic igneous (keratophyric?) lithotype in the country rocks may be new information. Tuffs do not seem prominent - at least as far as is discernable on the thin section scale.



J.F. Harris Ph.D

(929-5867)

SAMPLE 89T 10 **MONZO-DIORITE PORPHYRY**

Estimated mode

Plagioclase	73
K-feldspar	16
Quartz	trace
Sericite	trace
Biotite	4
Chlorite	4
Epidote	1
Carbonate	1
Apatite	trace
Opaques	1

This is a strongly porphyritic igneous rock of quartz-poor composition.

Phenocrysts make up about 75% of the rock. They are predominantly euhedral plagioclase crystals, 0.2 - 4.0mm or more in size. They are stumpy, prismatic in form and randomly oriented.

The plagioclase phenocrysts are essentially fresh but for a faint dusting of fine-grained sericite, and occasional wisps of carbonate - typically picking out an incipient concentric growth zoning in the feldspar.

An accessory phenocryst type consists of altered mafics. These include clumps of partially chloritized biotite, and clusters and partial prismatic pseudomorphs (after original hornblende?). The latter are made up of secondary biotite, chlorite, epidote, carbonate and opaques in various proportions. The same assemblage occurs in more dispersed form as interstitial patches filling between the plagioclase phenocrysts.

The groundmass is a felsitic to feathery-textured aggregate of K-feldspar, probably with an indeterminate proportion of intergrown plagioclase. Its grain size is in the range 5 - 30 microns. The only other groundmass constituent is micron-sized opaques and/or rutile.

The rock contains rare traces of quartz, as tiny clumps associated with the altered mafic clusters.

SAMPLE 89T 20 **ANDESITIC LITHIC TUFF**

Estimated mode

Plagioclase	30
K-feldspar	10
Sericite	3
Chlorite	25
Carbonate	28
Apatite	trace
Sub-opaques	2
Opaques	2

Macroscopic examination of the stained cut-off block clearly indicates the fragmental character of this rock.

Somewhat rounded lithic clasts, up to 6 or 7mm in size, are readily distinguishable. These include a rock of apparent trachyandesite composition (with plagioclase phenocrysts in a potassic matrix) and a sodic rock (composed essentially of plagioclase). The coarser clasts are set in a matrix of more finely comminuted fragments of the same rock types, with the non-potassic type predominating.

In thin section the rock is found to contain notably abundant chlorite and carbonate, and to be poly-lithic - with a variety of different textural/mineralogical types distinguishable. The overall composition throughout is in the andesite-trachyandesite range.

The coarser trachyandesitic clasts consist of abundant euhedral phenocrysts of plagioclase, to 1.0mm in size, in a microgranular K-feldspathic groundmass. The plagioclase phenocrysts are weakly to totally altered to carbonate, and the groundmass contains varying proportions of finely intergrown chlorite.

Other variants are seen in which groundmass is minimal, or is of minutely fine-grained, felsitic to trachytic texture. Some clasts show strongly flow-oriented phenocrysts.

Another prominent form of clast - especially in the finer size ranges - is a fine-grained felsitic or microlitic andesite with abundant chlorite-filled vesicles defining a flow-oriented pumiceous texture, and sparse, small, altered plagioclase phenocrysts.

This rock is unmistakably a lithic tuff.

SAMPLE 89T 22 LEUCOCRATIC MONZONITE PORPHYRY

Estimated mode

Plagioclase	48
K-feldspar	35
Quartz	1
Sericite	12
Clays(?)	2
Opaques	2

This is a porphyritic igneous rock of notably leucocratic composition.

Phenocrysts, 0.2 - 3.0mm in size, make up about 60-65% of the rock. They are predominantly plagioclase, but also include occasional K-feldspar. The latter tends to form mainly relatively coarse euhedra - sometimes with included smaller plagioclase crystals.

The groundmass is an evenly microgranular, felsitic aggregate, of grain size 5 -30 microns, composed predominantly of K-feldspar.

The plagioclase phenocrysts show weak to moderate pervasive alteration to fine-grained sericite and brownish sub-opaque material (clays?).

Sericite is also a relatively abundant component of the groundmass, especially as an interstitial constituent of patches of somewhat coarser crystallization developed between some of the feldspar phenocrysts. These patches also include a little accessory fine-grained quartz.

A few prismatic pseudomorphs, composed entirely of sericite, may represent the alteration of rare biotite phenocrysts.

Pyrite occurs as randomly disseminated, irregular-shaped grains, 0.2 - 1.5mm in size, which are typically poikilitically sieved with groundmass inclusions.

SAMPLE 89T 23 MONZO-DIORITE PORPHYRY

Estimated mode

Plagioclase	57
K-feldspar	23
Quartz	2
Sericite	5
Chlorite) Secondary biotite)	7
Carbonate	5
Apatite	trace
Opaques	1

This is another quartz-poor, porphyritic igneous rock, but with some distinctive features compared with previous examples in the suite.

Phenocrysts make up some 70-80% of the rock. They range in size from 0.2 - 2.5mm, but a high proportion are in the lower end of this range (0.2 - 0.8mm in size).

The phenocrysts are principally plagioclase, but also include a lesser proportion of K-feldspar and rather abundant small, well-formed, pale brown pseudomorphs composed of minutely felted secondary biotite and/or chlorite. The latter lack the relict laminar texture normally recognizable in altered biotite, and show forms more suggestive of probable origin as amphibole or pyroxene.

The plagioclase phenocrysts show variable degrees of pervasive alteration (from weak to rather strong) to fine-grained sericite and minor carbonate. The K-feldspar phenocrysts typically show strong alteration to carbonate.

The groundmass is a feathery/felsitic aggregate of K-spar plus minor plagioclase, of grain size 5 - 15 microns. It shows pervasive flecking by sericite.

Small clumps of quartz are a trace accessory, and tiny euhedra of apatite are also prominent.

Disseminated opaques (mainly pyrite) form small, discrete euhedra, 10 - 200 microns in size, closely associated with the altered mafic pseudomorphs.

SAMPLE 89T 32 **MONZONITE PORPHYRY**

Estimated mode

Plagioclase	52
K-feldspar	35
Quartz	trace
Sericite	1
Secondary biotite	10
Epidote	1
Sphene	trace
Apatite	trace
Rutile	1
Pyrite	trace

Phenocrysts make up some 75% of this rock. As in many of the rocks of the suite, they consist principally of plagioclase, with lesser proportions of K-feldspar and mafics. The phenocrysts are sharply defined euhedra, apparently without any tendency for preferred orientation.

Size range of the phenocrysts is 0.1 - 4.0mm, though the majority of them are no more than 1.5mm in size.

The feldspar phenocrysts are essentially fresh, but for a faint dusting of sericite and rare zonal flecks of secondary biotite in the plagioclase, and a slight argillic turbidity in the K-spar. The plagioclase contains occasional discrete grains of epidote, which is also seen occasionally as independent grains in the groundmass.

The mafic phenocrysts are composed largely of brown, somewhat altered-looking biotite, sometimes with interlaminated rutile. Some probably originated as primary biotite; others are composed of minutely felted secondary biotite, and have the characteristic outlines of amphibole and pyroxene.

The groundmass is a homogenous, minutely feathery/felsitic aggregate, of grain size 5 - 20 microns, composed of K-feldspar with accessory plagioclase and minute flecks of biotite and rutile.

The rock contains traces of quartz, as rare, irregular grains and small clumps of phenocrystic aspect. It also contains sphene of distinctive form, as scattered, sharply-defined, tiny, light brown euhedral crystals.

SAMPLE 89T 34 **MONZONITIC BRECCIA**

Estimated mode

Plagioclase	49
K-feldspar	44
Quartz	1
Sericite) Secondary biotite)	5
Epidote	trace
Apatite	trace
Rutile	trace
Sphene	trace
Opaques	1

The clumpy, heterogenous appearance of this rock (see stained cut-off block) indicates that it is of hybrid character. The thin section reveals that it includes abundant xenolithic fragments, 1 - 10mm or more in size.

One of the two principal lithotypes is a leucocratic porphyry, having abundant, euhedral phenocrysts of fresh plagioclase, 0.1 - 2.0mm in size, in a minutely felsitic/cryptocrystalline matrix. Minor mafics are represented by clumps of scrappy sericite and/or secondary biotite, with opaque granules. This probably represents the white-etched phase in the cut-off block.

The other is a similar leucocratic rock, but with more sporadically developed, less well-formed plagioclase phenocrysts, in a microgranular matrix of K-feldspar with minor accessory quartz. This (the yellow stained, dominant phase in the cut-off block) shows patchy variations in proportions of phenocrysts - possibly representing fragments of slightly different textural character.

A single sub-rounded fragment of granular quartz, 3mm in size, was also seen.

The constituent lithotypes in this rock appear to be of hypabyssal rather than extrusive type, and the rock is probably a form of intrusive or contact breccia.

It is only very weakly altered.

SAMPLE 89T 46 **GRANODIORITE PORPHYRY**

Estimated mode

Plagioclase	50
K-feldspar	27
Quartz	11
Sericite	2
Chlorite	6
Hornblende	1
Carbonate	2
Sphene	trace
Apatite	trace
Pyrite	1
Magnetite	trace

This is an abundantly porphyritic igneous rock of significantly coarser averge average grain size than the majority of the suite. It is of distinctive composition in that the ground mass is also relatively coarse and contains substantial quartz.

Phenocrysts make up about 70% of the rock. They consist predominantly of subhedral-euhedral plagioclase, as crystals 0.3 - 4.0mm in size. K-feldspar phenocrysts are fewer in number, but include some coarse euhedra up to 12.0mm in size.

Mafic phenocryts make up 8-9% of the rock. These are composed of felted chlorite or secondary biotite with intergrown carbonate. Their shapes clearly indicate that they are pseudomorphous after hornblende. A few grains are, in fact, composed largely of relict hornblende.

The plagioclase phenocrysts typically show an even, very light dusting of minutely fine-grained sericite and traces of carbonate. The K-spar phenocrysts are totally fresh.

The groundmass consists of an evenly granular, equant aggregate, of grain size 0.05 - 0.15mm, made up of roughly equal proportions of quartz, K-feldspar and plagioclase, with minor intergrown chloritized mafics.

Pyrite occurs as disseminated, small clumps and irregular, poikilitic grains, mostly associated with altered mafics. Occasionally the pyrite forms lines of grains indicative of incipient microfracture control. The rock is also cut by rare hairline veinlets of carbonate.

SAMPLE 89T 60 ALBITITE OR KERATOPHYRE

Estimated mode

Plagioclase	85
Sericite	7
Rutile	trace
Pyrite	8
Limonite	trace

This sample differs from the majority of the suite in that it contains no K-feldspar (see stained cut-off block). It also has a notably high content of disseminated pyrite.

In thin section it is seen to exhibit a porphyritic texture, with about 60-70% of the rock composed of randomly oriented plagioclase phenocrysts, 0.2 - 2.0mm in size. These are set in a fine microgranular groundmass also composed of plagioclase, as an anhedral, interlocking aggregate, of grain size 10 - 100 microns.

Sericite occurs as a very faint, pervasive dusting of some of the phenocrysts and, more abundantly, as random clusters and elongate masses in the groundmass. These show relict lamellar textures defined by fine-grained rutile and limonite, and probably represent altered biotite phenocrysts.

The refractive index of the plagioclase is lower than that of the mounting medium - suggesting that it is probably of albititic composition.

The pyrite occurs in distinctive manner as randomly disseminated subhedral grains and rather coarse coalescent/poikilitic patches, 0.2 - 1.5mm in size. The latter are typically sieved with abundant inclusions of incorporated groundmass. The pyrite sometimes shows marginal limonitization. The petrographic character of this rock is not consistent with the field description as intensely altered (phyllic) bedded country rock. It may be an albitite - of dyke origin - or a keratophyric volcanic.

SAMPLE 89T 65 **MONZONITE PORPHYRY**

Estimated mode

Plagioclase	50
K-feldspar	38
Quartz	trace
Sericite	1
Chlorite	2
Biotite	1
Amphibole	1
Carbonate	6
Sphene	trace
Apatite	trace
Rutile)	1
Opaques)	

This is another abundantly porphyritic rock of similar macroscopic aspect to many others in the suite. About 70% of the rock consists of euhedral phenocrysts, ranging in size from 0.2 - 5.0mm.

The majority of the phenocrysts are plagioclase, lightly dusted with minutely fine-grained sericite. A small proportion are K-feldspar - totally fresh or, rarely, mildly altered to carbonate.

Mafics are minor and, as usual, are strongly altered - in this case to intimate intergrowths of chlorite and carbonate. Rare remnants of hornblende survive, indicating that this was the predominant original mafic.

Small individual flakes of reddish biotite with rutile inclusions - or similar rutile in felted secondary products - are also seen.

Occasional quartz is present, generally associated with altered mafics and/or the trace accessory minerals sphene and apatite. The sphene is in the form of well-crystallized brown euhedra (often twinned), as remarked in other rocks of the suite.

The groundmass is a feathery/felsitic aggregate, of grain size 5 - 30 microns, composed of fresh K-feldspar and plagioclase, and including tiny sub-porphyritic feldspar euhedra to 0.1mm or so in size. Dust-sized opaques or rutile, and rare tiny flecks of carbonate, are the other groundmass constituents.

SAMPLE 89T 72 **MONZONITE PORPHYRY**

Estimated mode

Plagioclase	20
K-feldspar	60
Quartz	5
Sericite	3
Chlorite) Secondary biotite)	12
Apatite	trace
Opaques	trace

This is a rock of more potassic composition than the majority of the suite. It shows a rather patchy, heterogenous texture which may indicate a hybrid origin.

The predominant assemblage consists of small, stumpy, subhedral phenocrysts of plagioclase and lesser K-spar, 0.2 - 2.0mm in size, scattered through a microgranular groundmass of fresh, anhedral/ interlocking K-feldspar, of grain size 5 - 50 microns. Other groundmass constituents are minor interstitial chlorite and quartz.

Many of the phenocrysts show rather strong alteration of a distinctive type - to patches and core zones of compact, brownish felted chlorite or secondary biotite, and/or sericite.

These same alteration minerals also occur concentrated as more or less extensive patches of diffuse fibrous growth. These are sometimes set in a matrix which shows extensive intergranular permeation by the chloritic/secondary biotite alteration. These areas appear texturally, as well as mineralogically, distinct from the rest of the rock, and may represent xenoliths or areas of assimilation/hybridization.

The rock is cut by a few hairline stringers of quartz. Quartz also concentrates as localized patchy areas of granular intergrowth with K-spar, and as sporadic discrete clumps throughout the rock. It is unclear what proportion of the quartz is primary as opposed to being incipient silicification of an introduced or late magmatic/ redistributional type.

Though somewhat finer-grained and more potassic than most of the comparable rocks of the suite, there appears no justification for naming this rock any differently.

SAMPLE 89T 73 SYENITIC HYBRID (CONTACT PHASE?)

Estimated mode

Potassic phase	
K-feldspar	48
Plagioclase	2
Quartz	1
Biotite	7
Limonite	2
Sodic phase	
Plagioclase	28
K-feldspar	2
Biotite	8
Limonite	2

This is a rock of heterogenous texture whose origin and alteration history is somewhat uncertain. It appears to be of igneous character.

The stained cut-off block includes an extensive area of plagioclase-rich composition (white-etched and generally lacking yellow stain). This shows partly sharp and partly diffuse/gradational contacts against the K-rich (strongly yellow stained) phase which makes up the bulk of the slide. The latter phase also includes several smaller, more or less diffuse, unstained areas, which appear to be partially assimilated patches or fragments of the first rock type.

This relationship is best explained as xenoliths of the plagioclase-rich (albitite?) rock, engulfed and partly assimilated by a potassic phase (fine-grained syenite?).

In thin section, both lithotypes are found to consist essentially of leucocratic aggregates of feldspar, and distinction between the two is sometimes difficult - especially in view of the more or less extensive hybridization.

The sodic phase most often seems to be a blocky subhedral aggregate of plagioclase, of grain size 0.1 - 0.5mm. This shows more or less intense pervasive alteration to minutely fine-grained, brown, secondary material (biotite?). Shreds of pale secondary-type biotite also form an intergranular permeation, and the rock contains small patches and microfracture fillings of limonite.

Minor development of very fine-grained felsitic interstitial material probably represents the early stages of penetration and assimilation by the potassic phase.

The potassic phase is more heterogenous. It is predominantly a felsitic aggregate of K-feldspar, of grain size 10 - 30 microns, grading to patches of coarser granular texture up to 100 microns or so. Minor interstitial quartz is recognizable. There are also

Sample 89T 73 cont.

scattered phenocrysts of cloudy K-feldspar (and possible altered plagioclase) up to 1.0mm in size.

Fine-grained biotite (possibly with some intergrown chlorite and sericite) forms scrappy pseudomorphs, and occurs as a fine, pervasive, intergranular component throughout the felsitic K-feldspar.

Limonite-filled microfractures and small pockets also cut the potassic lithotype.

The biotitic/ferruginous alteration appears to be superimposed on both constituent phases i.e. it is post-hybridization.

SAMPLE 89T 75 **MONZONITE PORPHYRY**

Estimated mode

Plagioclase	57
K-feldspar	30
Sericite	3
Biotite	4
Chlorite	4
Carbonate	1
Apatite	trace
Opaques	1

This is another example of a very common rock-type in this suite. It consists of abundant euhedral phenocrysts - making up as much of 80% of the rock - in a fine-grained potassic groundmass.

Phenocrysts range in size from 0.2 - 5.0mm. The majority of them are plagioclase, but K-feldspar is also seen as phenocrysts - sometimes notably coarse and with inclusions of smaller plagioclase crystals.

The plagioclase phenocrysts are lightly dusted with minutely fine-grained sericite, whilst the K-spar phenocrysts are totally fresh. Some plagioclase crystals also show concentric zonal inclusions of minutely fine-grained chlorite/secondary biotite.

Small mafic phenocrysts (seldom more than 1mm in size) occur scattered throughout, between the abundant, coarser feldspar phenocrysts. They consist of somewhat bleached and chloritized biotite, and another type (probably after hornblende), totally altered and composed of various proportions of felted chlorite, secondary biotite and carbonate.

The groundmass is a microgranular aggregate of anhedral K-feldspar, on a scale of 10 - 50 microns, with interstitial flecks of chlorite and biotite.

Apatite is a prominent accessory, as randomly scattered, tiny euhedra. Opaques form sporadically disseminated, small, equant grains, 0.05 - 0.3mm in size, and clusters of such grains. They appear to be mainly oxides rather than pyrite.

SAMPLE 89T 79 MONZO-DIORITE PORPHYRY

Estimated mode

Plagioclase	54
K-feldspar	28
Quartz	1
Sericite) Clays)	6
Chlorite	5
Biotite	2
Epidote	3
Apatite	trace
Sphene	trace
Opaques) Limonite)	1

This is a closely similar type of rock to the previous sample (#75), being an abundantly porphyritic rock made up of euhedral prismatic phenocrysts of plagioclase and lesser K-feldspar, plus small altered mafics, in a fine-grained, somewhat potassic groundmass.

Phenocrysts range in size from 0.3 - 3.5mm and constitute 80-85% of the rock. There is a weak tendency for preferred orientation on the part of the plagioclase phenocrysts.

The plagioclase shows even, weak to moderate pervasive alteration to fine-grained sericite and brownish sub-opaque material (clays?). The K-feldspar phenocrysts are generally unaltered, except that a few contain sporadic small clumps of well-crystallized epidote.

Mafics include some small, well-formed flakes of essentially fresh biotite, but consist principally of prismatic pseudomorphs of felted chlorite, sometimes with associated epidote and opaques, which are probably after original hornblende.

The groundmass is the usual felsitic aggregate of grain size 5 - 50 microns, composed mainly of K-feldspar with accessory intergrown plagioclase (partly as tiny euhedral sub-phenocryts) and small flecks of mafics.

Quartz is a minor but noticeable accessory, as sporadic small grains and clumps in the groundmass - often associated with epidote or with the trace constituents sphene and/or apatite.

Opaques in this rock appear to be mainly Fe-Ti oxides.

SAMPLE 89T 83B ALTERED MONZONITE PORPHYRY

Estimated mode

Brecciated host rock		
	Plagioclase	18
	K-feldspar	35
	Sericite	5
	Biotite	5
	Chlorite	2
Veining		
	Quartz	35

This rock appears to have originated as a porphyritic monzonite of similar general type to many others of the suite. However, it shows evidence of modification by metasomatic K-feldspathization, and is cut by a system of quartz veins and replacements.

The host rock consists of plagioclase and K-feldspar phenocrysts in a microgranular matrix of K-spar with minor accessory quartz and altered biotite.

Plagioclase phenocrysts, up to about 3mm in size, are recognizable but many show peripheral conversion to K-feldspar, and/or are cut by hairline networks of that mineral. Some which consist wholly of K-spar may be original, or may be totally altered plagioclase phenocrysts. Generally the euhedral shapes, characteristic of the feldspar phenocrysts in other less altered rocks of the suite, are lacking in this sample.

The veinlike zones of silicification consist partly of anhedral mosaic quartz, of grain size 20 - 100 microns, which shows diffuse, gradational/assimilative contacts with the host rock. There are also more discretely veniform zones of coarser granular quartz which may be superimposed on the more diffuse silicification.

Threads of quartz cross-cut the altered host rock (including the feldspathized phenocrysts), indicating that the silicification at least partly post-dates the K-metasomation.

Feldspar phenocrysts in host rock slices between the quartz zones, and in narrow zones peripheral to them, show strong pervasive alteration to sericite and felted secondary biotite. The same alteration also affects the groundmass - though to a lesser degree.

SAMPLE 89T 85 **MONZO-DIORITE PORPHYRY**

Estimated mode

Plagioclase	54
K-feldspar	22
Quartz	4
Sericite	10
Biotite	6
Chlorite	2
Pyrite	2
Chalcopyrite	trace
Limonite	trace

This is another crowded porphyry, macroscopically similar to many others of the suite.

It differs from, say, #79 in that the phenocrysts include only very rare K-feldspar. It also has significant amounts of accessory quartz in a microgranular groundmass, and contains prominent disseminated sulfides.

Phenocrysts make up about 70% of the rock. They are mainly prismatic plagioclase crystals, 0.2 - 3.0mm in size, which show a weak tendency towards preferred orientation.

The plagioclase phenocrysts show relatively strong pervasive alteration to minutely fine-grained sericite. This forms disseminated flecks and patchy replacements, sometimes controlled by cleavage and/or growth zoning in the host crystals.

The rare K-spar phenocrysts are essentially fresh.

Mafics (relatively minor in total, as is generally the case with this rock type throughout the suite) consist of small, well-formed, equant flakes of relatively fresh biotite, and larger, irregular to sub-prismatic patches of brownish sericite and/or secondary biotite, sometimes with intergrown chlorite. These patches are commonly host to concentrations of disseminated pyrite.

The groundmass is a microgranular aggregate of grain size 15 - 100 microns. It is composed mainly of K-feldspar, but includes notable amounts of quartz, as intimate, locally sub-graphic intergrowths, and as sporadic, small, segregated clumps.

Pyrite occurs as irregular grains and poikilitic clumps, 0.1 - 1.0mm or more in size. The larger pyrite clumps are typically associated with or mantled by secondary biotite. The lack of euhedral form is a characteristic of the pyrite in this and many other rocks of the suite.

Very rare tiny grains of chalcopyrite are also seen, generally independent of pyrite.

SAMPLE 89T 93 SILICIFIED TRACHYTE AUTOBRECCIA

Estimated mode

Plagioclase	1
K-feldspar	72
Quartz	12
Sericite	12
Rutile	1
Pyrite	1
Limonite) Jarosite)	1

This is a rock of distinctive type, being composed predominantly of K-feldspar, and lacking the prominent plagioclase phenocrysts seen in the majority of the suite. A network of apparent microbrecciation is recognizable in the stained cut-off block.

In thin section the rock is found to consist essentially of an even, minutely felsitic matrix of K-feldspar, of grain size 2 - 10 microns.

Microphenocrysts, 0.1 - 0.5mm in size, make up about 50-60% of this lithotype. They are predominantly K-feldspar, showing highly variable degrees of pervasive sericitization (weak to strong). Very rare small plagioclase phenocrysts are also seen.

Mafics are very minor, being represented by occasional small pseudomorphs after original biotite, now composed of sericite and fine-grained rutile.

This trachytic host is broken up - probably by a form of autobrecciation - into more or less distinct, irregular fragments defined by a network of silicification - sometimes in the form of diffuse zones of minutely fine-grained, pervasive replacement (or possibly a late-crystallizing magmatic phase of more siliceous composition), and sometimes as more discrete veinlets and pockets of quartz showing a grain size up to 0.1mm. Quartz is also seen as partial or complete pseudomorphs of felspar phenocrysts in the trachyte.

The rock contains minor disseminated pyrite, as individual subhedra, 0.05 - 0.3mm in size. These sometimes occur as small strings (fracture controlled?), but are generally random. The pyrite distribution shows no consistent relation to the silicification, and tends, in fact, to concentrate in the trachytic areas.

Pyrite grains are sometimes rimmed by shells of jarosite, or are leached out. Associated diffuse limonitization is common.

SAMPLE 89T 101 **KERATOPHYRE**

Estimated mode

Plagioclase	72
K-feldspar	10
Quartz	trace
Sericite	3
Chlorite)	10
Biotite)	
Epidote	trace
Rutile	1
Pyrite	4
Pyrrhotite	trace

This is a fine-grained rock which, judging from the stained cut-off block, is of relatively weakly potassic composition. It has a heterogenous texture, especially as regards the distribution of K-feldspar in the groundmass, and in the abundance and size of phenocrysts, but is not obviously fragmental.

Plagioclase phenocrysts make up about 70% of the rock. They are predominantly in the size range 0.1 - 0.8mm, but occasionally reach 1.5mm. They are subhedral-euhedral in form, but sometimes show diffuse outlines, tending to merge with, or be partially assimilated by, the groundmass. They show only very weak alteration, in the form of a light dusting of sericite.

The phenocrysts are set in a minutely felsitic groundmass, of grain size 5 - 20 microns, composed essentially of plagioclase with relatively abundant flecks of chlorite or sericite and of fine-grained rutile. Small, well-defined sub-phenocrysts of plagioclase are common. The groundmass locally shows cryptofragmental fabric.

The groundmass also includes an indeterminate and irregularly distributed proportion of fine-grained K-feldspar, which locally forms small pockety concentrations and incipient phenocrysts.

Ill-defined clumps of felted chlorite or altered biotite presumably represent altered mafic phenocrysts. The same material occurs in dispersed form throughout the groundmass.

Pyrite (with rare tiny inclusions of pyrrhotite) forms irregular, poikilitic clumps up to 2.0mm in size, and sometimes occurs as small strings and elongate bodies. It is disseminated in the feldspathic matrix, without any associated alteration.

The plagioclase shows the low RI characteristic of albite, and the rock appears to be of keratophyric composition.

SAMPLE 89T 108 **KERATOPHYRE**

Estimated mode

Plagioclase	85
Quartz	1
Sericite	9
Chlorite	2
Rutile	trace
Pyrite	3
Chalcopyrite	trace

This is another pyritic plagioclase-rich rock (like the previous sample) but, in this case, totally devoid of K-feldspar.

It is extremely leucocratic and of simple composition, consisting of plagioclase phenocrysts in a felsitic plagioclase groundmass.

Phenocrysts constitute some 60-70% of the rock. They range in size from 0.1 - 2.5mm, and consist of fresh, subhedral-euhedral plagioclase. They show a weak tendency for preferred orientation.

They are set in a groundmass of grain size 5 - 30 microns, locally developing a minutely lath-like sub-trachytic fabric. There are also diffuse patchy variation in grain size, with some microgranular areas containing a little recognizable minutely intergrown and clumpily segregated quartz.

The groundmass is rather strongly and pervasively flecked throughout with sericite (in contrast to the unsericitized phenocrysts).

The rock contains only very minor, totally altered mafics - in the form of sporadic clumps of felted chlorite.

Pyrite is relatively abundant, as disseminated, irregular grains or clumps, 0.1 - 1.0mm in size. The irregular, amoeboid or network form of the pyrite, poikilitically sieved with matrix inclusions, is characteristic of the sulfides in many rocks of this suite. The pyrite appears to occur independently of the host fabric - sometimes in the groundmass, sometimes moulded around, or including portions of, phenocrysts.

The plagioclase making up this rock (both phenocrysts and groundmass) has the low refractive index characteristic of albite. The fabric suggests that it is a flow of keratophyric affinities, rather than a hypabyssal albitite.

SAMPLE 89T 109 **KERATOPHYRE**

Estimated mode

Plagioclase	79
K-feldspar	10
Sericite	9
Rutile	1
Pyrite)	1
Limonite)	

This is another leucocratic rock of somewhat similar macroscopic appearance (in the stained cut-off block) to Sample 101 - being predominantly a white-etched mass of fine-grained plagioclase, with diffuse patches of intimately intergrown K-feldspar.

In thin section the resemblance is confirmed.

Plagioclase phenocrysts (albite), 0.1 - 2.0mm in size, make up about 60% of the rock. They are subhedral-euhedral in shape, but rather ill-defined (because of the similarity in composition with the enclosing groundmass). In a few cases, they appear to show embayment and partial resorption by the groundmass.

The phenocrysts are irregularly distributed (abundant in some areas, sparse in others), and show random orientation.

They are set in a minutely interlocking/microgranular (locally meshwork-textured) groundmass of albite, of grain size 5 - 50 microns. K-feldspar is an intimately intergrown accessory, generally occult, but locally developing as small clumps or incipient phenocrysts. K-spar also forms diffuse, irregular patches (replacements?) in some of the albite phenocrysts.

Both phenocrysts and groundmass appear essentially free of pervasive alteration.

Sericite in this rock is concentrated as sporadic, felted-textured segregations which appear to be localized centres of strong replacement. It also occurs as a few areas of wispy network impregnation.

Disseminate pyrite is relatively sparse and partially altered to limonite. It forms irregular clumps, to 0.3mm in size, sieved with matrix inclusions. It shows random distribution, without relation to the patches of intense sericitization.

The rather diffuse, heterogenous aspect of this rock in thin section suggests possible tuffaceous affinities, but no actual fragmental features are distinguishable.

It is texturally very similar to Sample 101.

SAMPLE 89T 122 **MONZONITE PORPHYRY**

Estimated mode

Plagioclase	59
K-feldspar	31
Sericite	4
Chlorite	6
Sphene	trace
Apatite	trace
Pyrite	trace

This is another example of the weakly altered, abundantly porphyritic monzonite, which is by far the commonest lithotype of this suite.

Phenocrysts, 0.2 - 5.0mm in size, make up about 70% of the rock. They are predominantly plagioclase, but also include some K-feldspar and altered mafics. They are sharply euhedral in all cases, and show random orientation.

The mafic phenocrysts consist of stubby to elongate, prismatic pseudomorphs, composed of minutely felted chlorite. Their shapes indicate derivation from primary amphiboles and/or pyroxenes.

The groundmass is a homogenous, minutely felsitic aggregate of K-feldspar, of grain size 5 - 10 microns, dusted with minute flecks of chlorite and opaques.

The plagioclase phenocrysts show a very mild, even, pervasive dusting of fine-grained sericite. The K-feldspar phenocrysts show partial argillic turbidity. The groundmass is essentially fresh.

Accessories include well-crystallized sphene and small euhedra of apatite.

The rock contains sparsely and randomly disseminated traces of pyrite.

SAMPLE 89T 125 MONZO-DIORITE PORPHYRY

Estimated mode

Plagioclase	65
K-feldspar	26
Sericite	2
Biotite	trace
Chlorite	5
Epidote	trace
Apatite	trace
Rutile	trace
Magnetite	2
Hematite	trace
Pyrite	trace

This rock is of essentially identical macroscopic appearance to the previous sample (#122) except that the proportion of K-feldspar phenocrysts is slightly lower.

Phenocrysts are abundant (70-75% of the rock), randomly oriented, euhedral prismatic in form, and range from 0.2 - 4.5mm in size. They consist predominantly of plagioclase, together with minor mafics and occasional K-feldspar.

The plagioclase phenocrysts are essentially fresh, but for a very light dusting with fine-grained sericite and a faint argillic turbidity - sometimes following concentric growth zones. The few K-spar phenocrysts are fresh and clear. They occasionally contain small plagioclase grains as inclusions.

The mafics are principally pseudomorphs (after probable hornblende) composed of felted sericite, commonly with inclusions of granular and lath-like opaques (magnetite and hematite). A few scrappy flakes of partially leached and rutilized biotite were also seen.

The disseminated opaques in this rock are mainly oxides, though occasional irregular clumps of pyrite were also noted. These include some patches of minute intergranular network impregnation of the groundmass.

The groundmass is a homogenous, interlocking to meshwork-textured, microgranular aggregate, of grain size 20 - 100 microns. It is composed predominantly of fresh K-feldspar, with intergrown accessory plagioclase (recognizable by its slight dusting of sericite) and sparsely disseminated micron-sized opaques.

SAMPLE 89T 132 **MONZONITE PORPHYRY**

Estimated mode

Plagioclase	32
K-feldspar	58
Sericite	2
Chlorite	2
Secondary amphibole(?)	1
Carbonate	5
Apatite	trace
Opaques)	trace
Limonite)	

This rock differs from the preceding two samples by virtue of its distinctly higher ratio of K-feldspar to plagioclase.

Euhedral phenocrysts make up about 60% of the rock. These include approximately equal proportions of plagioclase and K-feldspar - the former ranging in size from 0.2 - 3.0mm, and the latter consisting of relatively fewer but much larger crystals, in the range 1.5 - 9.0mm (often totally or partially including smaller plagioclase euhedra).

The rock shows the same weakly altered character as most of the others of the suite, with plagioclase phenocrysts very mildly and evenly dusted with minute flecks of sericite and K-spar phenocrysts (and groundmass) totally fresh.

Mafics - as is the norm for the suite - are mainly in the form of sparse, totally altered phenocrysts. The mode of alteration is, however, distinctive in this sample - including a substantial component of carbonate. This occurs alone, or intimately intergrown with felted chlorite or yellow-green secondary amphibole(?) as pseudomorphs (after probable amphibole or pyroxene) and as occasional diffuse clumps in the groundmass.

The groundmass is an even, minutely felsitic aggregate of K-feldspar, of grain size 5 - 20 microns, containing tiny plagioclase and K-spar sub-phenocrysts to 0.1mm in size.

Opaques are sparse. They include a few randomly disseminated euhedral grains of pyrite, 0.05 - 0.5mm in size - partially altered to limonite.

SAMPLE 89T 134 MONZO-DIORITE PORPHYRY

Estimated mode

Plagioclase	70
K-feldspar	15
Quartz	1
Sericite	8
Clays	1
Chlorite	3
Biotite	trace
Pyrite	2

The stained cut-off block of this sample indicates that it is a variant of the familiar feldspathic porphyries of the suite. The groundmass contains a relatively low proportion of K-feldspar, and the composition of the rock approaches that of a leuco-diorite.

Phenocrysts are somewhat less abundant and a little smaller than in many of the samples, making up about 60% of the rock. They consist of the usual assemblage of plagioclase (strongly predominant) plus minor K-spar and altered mafics. Phenocryst size is in the rage 0.1 - 3.0mm, and orientation is random.

Plagioclase phenocrysts show the usual very light dusting of minutely fine-grained sericite, with occasional brownish concentration in cores and concentric growth zones: there is also some development of sub-opaque clouding, presumed to be of argillic character. A few plagioclase crystals show much stronger pervasive sericitization. K-spar phenocrysts are fresh.

Mafic phenocrysts consist mainly of rather poorly formed pseudomorphs composed of felted chlorite. There are also a few flakes of altered (bleached) biotite.

The chloritized mafics are strongly favoured as sites for the relatively abundant disseminated pyrite in this sample. The pyrite occurs as clusters of granules within the chlorite or, in many cases, forms the bulk of the pseudomorph, as coalescent poikilitic patches with included and mantling chlorite.

The groundmass is a minutely felsitic aggregate of grain size 5 - 15mm, composed mainly of plagioclase, with an indeterminate proportion of intimately intergrown K-spar and occasional small clumps of microgranular quartz. Small sub-phenocrysts of feldspar are abundant.

The plagioclase-rich composition of this groundmass is emphasized by a noticeable, even, pervasive sericitization - contrasting with the clear, unaltered appearance of the groundmasses in the samples of more potassic composition.

SAMPLE 89T 139 **MONZONITE PORPHYRY**

Estimated mode

Plagioclase	53
K-feldspar	38
Sericite	2
Clays	1
Secondary biotite	1
Chlorite	4
Apatite	trace
Sphene	trace
Rutile	trace
Pyrite	1

This is yet another example of the familiar monzonite porphyry lithotype which dominates the suite.

Phenocrysts (totally about 60% of the rock) are mainly plagioclase, as subhedral-euhedral crystals 0.2 - 2.5mm in size. K-feldspar phenocrysts are few in number, but reach much larger sizes (to 8.0mm) - similar, for example, to those in Sample 132.

The plagioclase phenocrysts show the usual faint dusting of sericite. In addition they, not uncommonly, show cores or concentric growth zones defined by felted olive-brown material (secondary biotite?), and some are clouded with sub-opaque dust - possibly representing dispersed clays and/or leucoxene.

The occasional K-spar phenocrysts are fresh, and the larger ones typically incorporate small, stubby euhedra of sericitized plagioclase within them.

Mafic pheocrysts are totally pseudomorphed by felted chlorite, sometimes with granules of rutile.

The groundmass is a feathery/felsitic aggregate of K-feldspar, of grain size 5 - 15 microns, with tiny diffuse to euhedral sub-phenocrysts of K-spar and plagioclase. As seems typical of this lithotype, the groundmass is essentially devoid of intergrown mafics.

The rock contains well-crystallized, twinned grains of sphene and tiny euhedra of apatite as trace accessories.

Minor pyrite forms sparsely disseminated, individual subhedra - not showing the close association with altered mafics observed in Sample 134.

SAMPLE 89T 164 **MONZONITE PORPHYRY**

Estimated mode

Coarse phase	
Plagioclase	43
K-feldspar	30
Sericite	1
Secondary biotite) Secondary amphibole)	11
Carbonate	14
Sphene) Rutile)	1
Apatite	trace
Fine phase (xenolith)	
Plagioclase	45
K-feldspar	15
Secondary biotite) Secondary amphibole)	30
Carbonate	9
Sphene) Rutile)	1

The sectioned portion of this sample consists predominantly of a porphyritic phase, of similar appearance to the prevalent monzonite lithotype of the suite, but showing rather strong, preferred orientation of the phenocrysts. At one end of the slide, this unit is seen in apparent sharp contact with a fine-grained, non-porphyritic phase.

Reference to the hand specimens of this sample suggests that the fine-grained phase is part of a xenolith.

The porphyritic phase consists of phenocrysts of plagioclase and occasional K-feldspar, plus rather abundant smaller phenocrysts of totally altered mafics. Together, these constitute about 60% of the rock.

Plagioclase phenocrysts are 0.5 - 6.0mm in size, and are essentially fresh but for a faint cloudiness and rare, tiny flecks of carbonate. Some show patchy intergrowths and cores of more potassic composition.

K-feldspar phenocrysts, in the thin section, are rare and of comparable size to the plagioclase; however, the hand specimen shows that scattered, much coarser, euhedral K-spar individuals also occur.

Mafic phenocrysts are mainly in the size range 0.2 - 1.0mm (but occasionally to 3.0mm). They consist of sharply defined, euhedral pseudomorphs, now composed entirely of carbonate, but showing

crystal shapes and relict cleavage indicative of origin as hornblende.

Finer-grained mafics, in the form of a strong yellow-brown, felted material (secondary biotite?) occur as an intimately intergrown (alteration?) phase throughout the groundmass, and also often rim - and impregnate relict cleavages in - the carbonate pseudomorphs.

The groundmass matrix consists of felsitic K-feldspar, of grain size 10 - 50 microns, with tiny sub-phenocrysts of plagioclase.

This rock is a monzonite porphyry of similar general composition to many others of the suite. The distinctive preferred orientation of the phenocrysts is presumably a flow feature, related to intrusion of a highly fluid magma.

The xenolithic area is of similar overall composition, but distinctive texture. It is a blocky-textured, microgranular aggregate of intergrown subhedral-euhedral plagioclase and K-feldspar, of grain size 0.1 - 0.5mm, with abundant intergranular carbonate and secondary biotite or amphibole. It contains sparsely scattered phenocrysts (to 1.5mm) of plagioclase and totally altered mafics. Possibly it is an included fragment of a chilled margin phase.

SAMPLE 89T 184 **MONZONITE PORPHYRY**

Estimated mode

Plagioclase	50
K-feldspar	31
Biotite	1
Pyroxene	1
Carbonate	10
Secondary biotite) Secondary amphibole)	4
Apatite	trace
Opaques	3

This sample is distinguished from other rocks of similar general type in the suite by a somewhat higher proportion of mafics, and a rather dark (opaque-dusted) groundmass.

Phenocrysts, 0.2 -3.0mm in size, constitute about 55-60% of the rock. They are predominantly plagioclase - essentially fresh, and often well-twinned (indicated composition: andesine). There are also a few fresh K-spar phenocrysts. There is a weak tendency for local preferred orientation of the phenocrysts.

Mafics - entirely as phenocrysts - make up some 16% of the rock. They are mainly strongly altered to pseudomorphs of intimately intergrown carbonate and an olive-brown, felted/crustified product which may be a form of secondary amphibole or biotite. Many of the mafic pseudomorphs show small, ragged, remnant patches of colourless to pale brown clino-pyroxene; this was clearly the dominant primary mafic silicate. Occasional equant grains of brown biotite, with lamellar intergrowths of opaque dust, are also seen.

The groundmass is a homogenous, minutely felsitic aggregate of K-feldspar, of grain size 5 - 15 microns, occasionally including slender microlites of plagioclase. It is evenly dusted throughout with minute opaque granules, 2 - 10 microns in size.

Coarser disseminated opaques, in the form of individual equant subhedra, 0.05 - 0.7mm in size, are rather common. They are sometimes associated with altered mafics, but also occur randomly scattered through the groundmass. They appear to be entirely Fe oxides - pyrite being notable by its absence.

SAMPLE 89T 186 **MONZONITE PORPHYRY**

Estimated mode

Plagioclase	46
K-feldspar	40
Quartz	trace
Sericite	1
Biotite	trace
Secondary amphibole)	2
Chlorite)	
Carbonate	9
Apatite	trace
Opaques	2

This rock is closely similar to the previous one (Sample 184). It has a dark, opaque-dusted groundmass and shows a similar mode of alteration of the mafic phenocrysts (though no pyroxene remnants survive).

The portion sectioned includes a single large (1.5 cm) phenocryst of K-feldspar, which boosts the overall K-spar/plagioclase ratio in the estimated mode. The predominant plagioclase phenocrysts are 0.2 - 3.5mm in size, and show a weak, but perceptible, partial parallelism of orientation - presumably related to flow.

No specific indications of extrusive origin (such as amygdules or glass) are seen, and the rock is texturally comparable with the many other examples of monzonite porphyries in the suite.

Plagioclase phenocrysts are very lightly dusted with fine-grained sericite, and sometimes have included flecks and patches of green secondary mafics. K-spar phenocrysts are commonly weakly to moderately replaced by carbonate (a distinctive feature, in that K-spar phenocrysts are notably unaffected by alteration in most other samples of the suite. (Sample 89T 23 is an exception, like the present sample).

Mafic phenocrysts are totally pseudomorphed by various combinations of carbonate and a green felted secondary product. Many have associated grains of oxidic opaques.

The groundmass is a sub-trachytic aggregate of tiny lath-like feldspars in a felsitic K-spar matrix, of grain size 5 - 50 microns. It is evenly dusted with micron-sized opaques and sparsely flecked with minute specks of sericite or secondary mafics.

SAMPLE 89T 194 **MONZONITE PORPHYRY**

Estimated mode

Plagioclase	60
K-feldspar	31
Quartz	trace
Sericite	1
Biotite	1
Secondary amphibole) Chlorite)	2
Carbonate	4
Apatite	trace
Rutile) Opaques)	1

This is a rock of similar features to the previous two samples - particularly as regards the predominance of carbonate as a mafic alteration product, and the presence of a light dusting of micron-sized opaques throughout the groundmass.

Phenocrysts, 0.2 - 4.5mm in size, make up about 60% of the rock. They are principally plagioclase, plus a minor proportion of K-feldspar and altered mafics. They show random orientation.

Plagioclase phenocrysts show an even, faint dusting of pervasive sericitization. K-spar phenocrysts are fresh.

Mafic phenocrysts include some small flakes of somewhat altered, but recognizable, biotite. The principal type is pseudomorphed by carbonate with patchily intergrown felted chlorite or secondary amphibole. A few small, equant pseudomorphs are composed entirely of the felted green mineral, and there are also occasional irregular patches of carbonate without chlorite.

The groundmass is a felsitic aggregate of K-feldspar, of grain size 5 - 20 microns, with abundant tiny, blocky, sub-phenocrysts of plagioclase to 0.1mm in size. It is flecked by minutely fine-grained carbonate and sparse opaque dust.

Opaques are sparse. They consist of disseminated, discrete, equant grains, 0.05 - 0.2mm in size, which appear to be entirely oxides.

SAMPLE 89T 197 **MONZONITE PORPHYRY**

Estimated mode

Plagioclase	54
K-feldspar	33
Quartz	trace
Sericite	2
Chlorite	2
Carbonate	8
Sphene	trace
Apatite	trace
Opaques	1

This rock is identical, in all essential respects, to the previous sample (#194).

Phenocrysts make up about 60% of the rock. They are 0.2 - 5.0mm in size, and are randomly oriented. Plagioclase is by far the commonest phenocryst type, but, as usual, a few K-spar phenocrysts are also present.

The plagioclase may be marginally more strongly flecked with sericite than in the previous sample, and there is also very minor carbonate alteration. The K-spar phenocrysts, in particular, often show minor patchy replacement by carbonate.

Altered mafic phenocrysts are pseudomorphed by carbonate and felted chlorite. There are also a few micaceous flakes - now composed of muscovite with interlaminar rutile, but probably derived by alteration of original biotite.

Carbonate also forms a few, sporadic, irregular, sparry pockets, to 1mm in size, (replacement patches in the groundmass?) with tiny included euhedra of quartz.

The groundmass is identical to that of Sample 194, except that dust-sized opaques are still rarer. Disseminated opaques are sparse, discrete, equant grains of magnetite.

SAMPLE 89T 208 SERICITIZED FELSIC TUFF

Estimated mode

Plagioclase	60
K-feldspar	12
Quartz	2
Sericite	25
Apatite	trace
Opaques) Limonite)	1

This is a fragmental rock made up of abundant, sub-angular, lithic clasts of widely varying size (0.2 - 15.0mm or more), in a matrix of similar composition.

The clasts contain subhedral, sometimes flow-oriented phenocrysts of plagioclase, to 1.0mm in size, in a turbid, minutely felsitic groundmass. Both phenocrysts and groundmass show strong pervasive sericitization. The groundmass includes ill-defined clumps and wisps of microgranular K-spar and minor quartz. No mafics are recognizable except for disseminated granules and clumps of fine-grained opaques.

The clasts, distinguishable by their micro-porphyritic character and by variations in the degree of clouding (sericitization) of the groundmass, are set in a matrix or interstitial phase of felsitic plagioclase. The clasts include occasional disaggregated coarse plagioclase phenocrysts.

This rock is a lithic tuff of strongly sericitized leuco-andesite or keratophyre fragments. It does not have the siliceous and K-rich composition of a rhyolite.

SAMPLE DDH 73-2 252' MONZONITE PORPHYRY WITH XENOLITHS

Estimated mode

Plagioclase	43
K-feldspar	34
Quartz	2
Sericite) Secondary biotite)	20
Apatite	trace
Rutile	1
Limonite	trace

The macroscopic appearance of this rock(see stained cut-off block) is somewhat heterogenous. It appears to contain several sodic xenoliths, up to 5.0mm in size, and the assimilation of other (smaller) xenoliths may contribute to the "messy" appearance.

The predominant (host) phase is a monzonite porphyry of similar general type to many other rocks of the suite, but distinctive for its lack of accessory mafic phenocrysts. In this respect it resembles 89T 22.

Phenocrysts constitute about 50-60% of this lithotype. They appear to be entirely plagioclase, as subhedral-anhedral crystals, of rather widely ranging size (0.2 - 5.0mm).

The phenocrysts are set in an anhedral microgranular groundmass of fresh K-feldspar, of grain size 20 - 100 microns, with minor intergrown accessory quartz. Fine-grained, olive-green to pale brown sericite and/or secondary biotite, form intergranular wisps and pockets, sometimes with associated rutile.

The plagioclase phenocrysts are rather strongly altered to similar brownish-greenish secondary products, as pervasive flecks and concentric zonal concentrations.

The rock is cut by a network of hairline fractures which are penetrated by the sericitic alteration and locally by limonite.

There are also a few hairline veinlets of quartz which, together with occasional pockety microgranular concentrations, suggests the effect of mild silicification as well as the prevalent sericitization/biotitization.

The xenolithic inclusions are a leucocratic, sodic lithotype (keratophyre?) composed of fine-grained felsitic plagioclase, with interstitial greenish sericite/biotite. This is host to irregularly distributed clumps of rather ill-defined plagioclase microphenocrysts, 0.1 - 0.5mm in size.

SAMPLE DDH 73-2 463.5' MONZONITE PORPHYRY WITH A QUARTZ VEINLET

Estimated mode

Host rock	
Plagioclase	37
K-feldspar	40
Quartz	3
Sericite	3
Biotite	trace
Secondary biotite	4
Carbonate	trace
Apatite	trace
Opaques	trace
Veinlets	
Quartz	12
Carbonate	1

This sample appears, from macroscopic examination of the stained cut-off block, to be a feldspathic porphyry of monzonitic composition - not recognizably different from many others of the suite, except for a crudely banded variation (possibly a settling effect?) in the abundance and size of phenocrysts.

The rock is cut by a 3.5mm veinlet of quartz and some irregular, wispy, hairline veinlets of carbonate.

It resembles Samples #72 and 85 in having appreciable amounts of accessory quartz in the groundmass, and in displaying a carbonate-free alteration style. As regards K-spar/plagioclase ratio, it is intermediate between these two samples.

There is no obvious evidence on the thin section scale to indicate that this rock exhibits "intense K alteration" as suggested in your covering letter.

It is of distinctly leucocratic composition. Phenocrysts - which make up about 50% of the rock on average - are almost entirely plagioclase, as randomly-oriented, prismatic euhedra, 0.2 - 3.5mm in size. No K-spar phenocrysts were noted, and mafic phenocrysts are confined to rare, tiny flakes of partially altered biotite.

The plagioclase phenocrysts show the usual very light (to occasionally moderate) pervasive dusting with fine-grained sericite.

The groundmass is somewhat variable in texture, ranging from a minutely interlocking/felsitic aggregate of K-feldspar, of grain size 5 - 10 microns, to a slightly coarser microgranular intergrowth, on the scale 10 - 100 microns, which includes a significant component of granular quartz. Scattered, tiny microphenocrysts of plagioclase in the groundmass tend to be more strongly sericitized than the larger phenocrysts, but the dominant K-spar is unaltered.

Sample 73.2 463.5 cont.

The rock shows a 5mm envelope of alteration marginal to the main quartz vein, in which the groundmass is pervasively replaced by wisps and clumps of minutely felted, pale brown secondary-type biotite.

A few thin, semi-continuous stringers of quartz and of carbonate cut the slide, and are sometimes difficult to differentiate from the pockety quartz (and rare carbonate) of primary aspect in the groundmass.

Coarser and more abundant groundmass quartz and K-spar occur interstitial to a localized patch of unusually close-packed plagioclase phenocrysts.

SAMPLE DDH 73-3 238' MONZONITE PORPHYRY

Estimated mode

Plagioclase	50
K-feldspar	35
Quartz	4
Sericite	6
Jarosite(?)	2
Limonite	1
Opaque dust	2

This is an abundantly porphyritic monzonite of similar macroscopic aspect to many of the rocks of the suite.

Phenocrysts make up 60% of the rock. They are 0.2 - 4.0mm in size, and show a weak, imperfect, preferred orientation. They consist predominantly of plagioclase, plus a few of K-feldspar.

Thin section examination shows that this rock has some features which distinguish it from others of the suite.

The plagioclase phenocrysts show the usual mild dusting of pervasive sericite but, in part, are also notably clouded by micron-sized opaque/sub-opaque material (ferruginous clays? hematite?).

Mafics consist - rather than the usual chlorite or carbonate - of sparsely distributed, scrappy wisps and clumps of sericite - often intergrown with limonite and/or a high-relief, yellow-brown material which has the appearance of jarosite. These altered mafics probably originated as biotite.

The groundmass is a blocky, microgranular aggregate of fresh K-feldspar, with a significant content of intergrown quartz, as scattered, small clumps and pockets. In this respect, it resembles Samples 72, 85 and 73-2 463.5'.

The rock is cut by a network of hairline microfractures, sometimes infilled by limonite and/or with associated pockets of the microgranular/spherulitic-textured jarositic component.

SAMPLE DDH 75-2 698.5' ANDESITE PORPHYRY

Estimated mode

Plagioclase	52
K-feldspar	1
Amphibole	22
Chlorite	10
Carbonate	6
Epidote	trace
Apatite	trace
Sphene)	1
Rutile)	
Pyrite	8
Chalcopyrite	trace

This sample is of a type not previously represented in the suite.

It is a rather fine-grained porphyritic rock of dioritic (or andesitic) composition. It is quartz-free and essentially devoid of K-feldspar, and is distinguished by a substantial content of fresh amphibole.

Phenocrysts make up some 60% of the rock. They are mostly in the size range 0.2 - 1.0mm, but show a gradation in size, through smaller phenocrysts, to merge with the granularity of the rather heterogenous, felsitic groundmass. They show a rather irregular distribution, with a tendency to concentrate as close-packed clusters separated by phenocryst-poor areas.

Phenocrysts consist of approximately equal proportions of plagioclase and amphibole. The latter is a pale olive-green hornblende, showing partial alteration to fine-grained carbonate. The plagioclase is mildly dusted with fine-grained carbonate and/or contains flecks of secondary amphibole or chlorite.

The groundmass is composed of felsitic plagioclase with diffuse intergrowths of fine-grained amphibole and chlorite, and micron-sized rutile.

The rock contains extensive patches in which the groundmass is permeated (totally replaced?) by pyrite, to form emulsion-textured or amoeboid networks, enveloping and cementing phenocrysts of plagioclase and amphibole. To some degree, the pyrite also penetrates and partially replaces the phenocrysts in these areas. Minor development of K-feldspar appears to be associated with the peripheries of these pyrite "sponges".

Scattered small clumps of fine-grained chalcopyrite (10 - 100 microns) are seen as impregnations of the host groundmass, independent of the pyrite.

SAMPLE DDH 75-2 822' **ANDESITE**

Estimated mode

Plagioclase	74
Amphibole	18
Chlorite	3
Epidote	1
Apatite	trace
Sphene	1
Pyrite	2
Veinlets	
Carbonate	1
Alunite(?)	trace
K-feldspar	trace

This is a very similar rock to the previous sample (at 698.5').

It is a rather fine-grained, sub-porphyritic rock, showing grain size up to 1.0mm. It is composed of aggregates of subhedral plagioclase and accessory hornblende, with an interstitial matrix of the same minerals of much finer grain size (down to 10 - 50 microns). Patches of relatively coarser average grain size alternate gradationally with areas in which the felsitic form predominates.

The content of amphibole in this rock is slightly lower than in the previous sample, and it is free of pervasive carbonate alteration - but shows marginal breakdown to olive-green, felted, secondary amphibole and/or chlorite. This altered form of amphibole is predominant as a fine-grained, interstitial phase in the finer felsitic matrix areas. It also occurs as more or less abundant flecks included in many of the coarser plagioclase phenocrysts.

Epidote occurs as scattered, small, random clumps. Sphene, of similar anhedral cluster form, is a prominent disseminated accessory, along with tiny euhedra of apatite.

Minor disseminated pyrite occurs as amoeboid/poikilitic impregnations, similar to those in the previous sample, but much less extensive.

The rock is cut by rare hairline veinlets of carbonate and a colourless, flaky/aggregate mineral which resembles alunite. This occurs as core zones to carbonate veinlets, or as tiny threads in its own right.

This rock could be a fine-grained dyke, or an extrusive - possibly mildly autobrecciated.

SAMPLE DDH 75-5 145' ALTERED MONZONITE PORPHYRY, WITH QUARTZ VEINLETS

Estimated mode

Plagioclase	8
K-feldspar	42
Quartz	45
Sericite	4
Biotite	1
Chlorite	trace
Rutile	trace
Apatite	trace
Fluorite	trace

As far as can be determined on the thin section scale, this sample consists of a zone of irregular, anastomosing quartz veining, cutting a porphyritic monzonite of familiar type.

The silicified zone appears to be mantled by a thin (1 - 5mm) envelope of potassic alteration, in which the host rock is largely converted to fine-grained K-feldspar - as are included islands of the host within and between the quartz stringers.

This relationship is clearly displayed in the stained cut-off block, where a thin remnant of the original porphyritic monzonite is still recognizable at one side.

The latter consists of weakly parallel-oriented plagioclase phenocrysts, 0.2 - 2.5mm in size, in a blocky microgranular groundmass of K-feldspar, of grain size 20 - 100 microns, with minor intergrown quartz. Mafics consist of sparse, small flakes of partially chloritized or bleached biotite. Apatite is a prominent trace accessory.

Proximal to the quartz veins, this rock type is modified to the extent that the plagioclase phenocrysts are replaced by similar-sized subhedral crystals of turbid K-feldspar. The groundmass (which is already composed mainly of K-feldspar) is not recognizably affected, except that accessories and mafics are essentially absent.

The quartz veinlets consist of monomineralic quartz as a somewhat crenulate-margined mosaic, of grain size 0.1 - 0.6mm. They exhibit complex, invasive contacts against the altered host rock - which shows localized pervasive silicification, as small, irregular quartz clumps.

One or two tiny (0.2mm), angular/interstitial pockets of fluorite were seen in the quartz mosaic.

APPENDIX NO 3

DRILL CORE LOGS AND ASSAY RESULTS

BALL CREEK PROPERTY

LEGEND FOR THE VARIOUS CODES USED ON THE GEOLOG FORMS AFTER TRANSFERING FROM THE FIELD LOGS

Alteration intensity (propylitic phyllic argillic)

Field log code:		geolog code used:
1	→	Ø 1
2	→	Ø 2
3	→	Ø 3
4	→	Ø 4
5	→	P 5
6	→	P 6
7	→	P 7
8	→	P 8
9	→	P 9

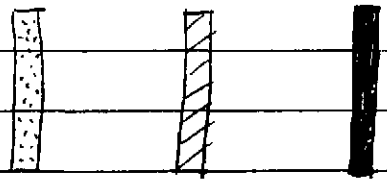
Potassic alteration intensity

Field log code:		geolog code used:
p	(15-25%)	E 2
p P	(25-35%)	E 3
pP	(35-45%)	E 4
p PP	(55-65%)	E 6
PPP	(75-85%)	E 8

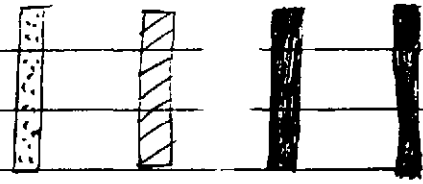
Silicification

Field log code:		geolog code used:
locally silicified	→	Q 3
local moderate silicification	→	Q 5
local intense silicification	→	Q 7
extensively silicified	→	PX

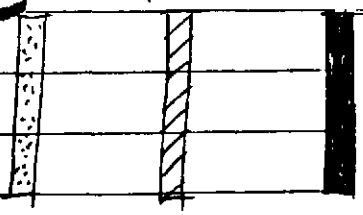
Alteration intensity on graphic log



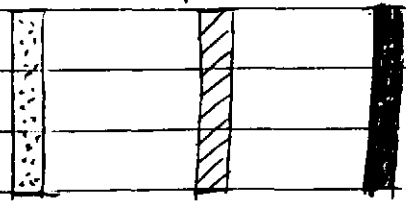
Silicification on graphic log



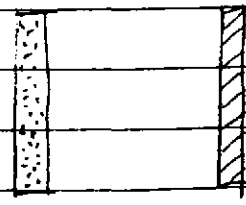
Py % on graphic log



cpy % on graphic log



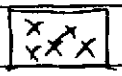
MØ % on graphic log

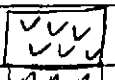


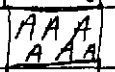
BALL CREEK PROPERTY

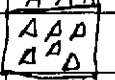
ROCK TYPE LEGEND USED ON GRAPHIC LOGS FOR 1973 AND 1975 DRILL HOLES.

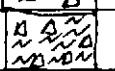

ØVBD

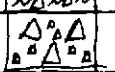

QzMz PPFx

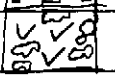

ANDS

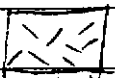

AL ANDS (Latite or quartz latite on field logs).


AL ANDS BRXX (Latite breccia on field logs).


FAULTED AL ANDS BRXX (Faulted latite breccia on field logs).


PP AL ANDS BRXX (porphyritic latite breccia on field logs).

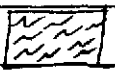

TL ANDS


DACT


PP DACT


DACT BRXX


TL DACT


FAULT

BALL CREEK PROPERTY

LEGEND FOR THE MINERAL SUITE CODES USED ON THE GEOLOG FORMS

P1 : Disseminated py

P2 : py occurring in fractures

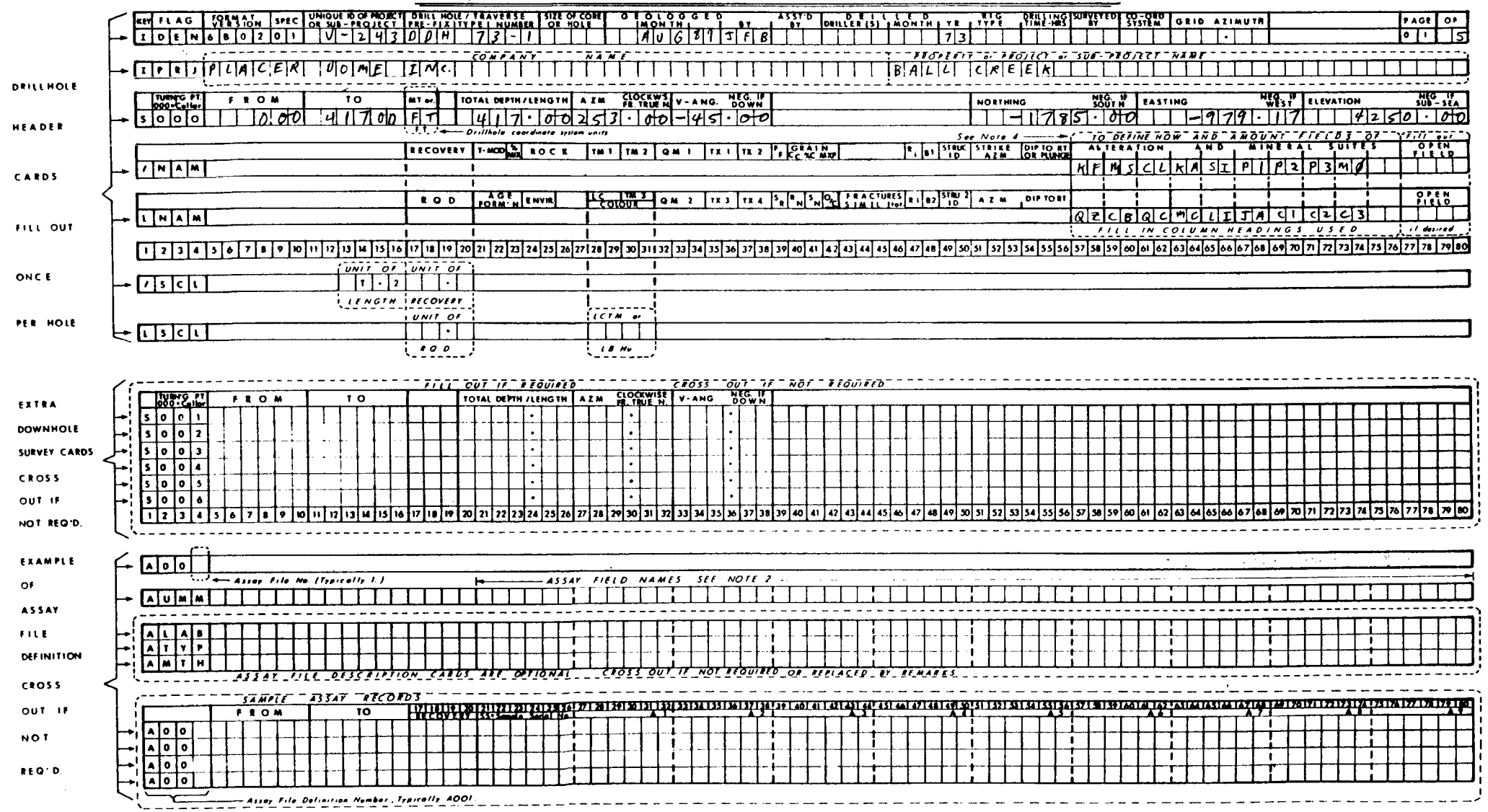
P3 : py " " veins

C1 : Disseminated cpy

C2 : cpy occurring in fractures

C3 : cpy " " veins.

PLACER DOME INC. * GEOLOG DRILLHOLE HEADER FORM



Notes:

1. - Do not change /NAM, LNAM, /SCL, LSCL, or AUMM card definitions durin a project. Blanks may be changed lower.
2. - On AUMM card, right adjust names so that R H 4 letters make sense. They will be " stats" header names.
3. - Units of distance on 5000 card are for survey coordinates, those on /SCL card are for downhole distances.
4. - To define XX type field put XX in upper tier, lower tier then becomes corresponding How and amount field.
5. - If additional "S" or "A" cards are required use another header form and cross out unwanted portions or enter "S" or "A" cards on keypunched portion on Form 2

P.L.K. - A K - Feb 88

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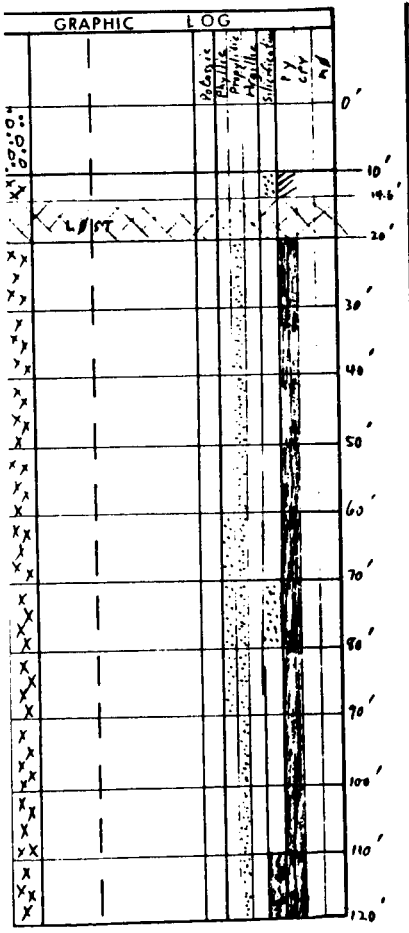
eolog Form 3)

UNIQUE ID OF PROJECT	DRILL HOLE / TRAVERSE	SIZE OF CORE	LOGGED	BY	ASSAYED	CHECKED	MONTH	YEAR	TYPE	TIME HRS	SURVEYED	SYSTEM	GRID AZIMUTH	PAGE
IDEN6802 01	V-24 3	DDH	73-	AUG	89	JFB		73						2 5

DRILL COORD SYSTEM UNITS	M / F	TOTAL DEPTH/LENGTH	AZM	V ANG	NORTHING	EASTING	ELEVATION
S	T	4171.000	253.000	-45.000	-17851.000	-19791.117	4250.000

ROCK TYPE | VEINS | FRACTURES | ALTERATION | MINERALIZATION | METERAGE

GRAPHIC LOG



DESCRIPTIVE REMARKS

(0'-10') OVERBURDEN

(10'-383.4') QUARTZ MONZONITE PORPHYRY

Colour varies from medium greenish-grey to medium greenish-greyish-reddish-orange.
10'-20': intensely bleached.

78'-80': Intensely bleached.

110'-113': Intensely bleached.

FROM	TO	RECOV	RQD	T-MOD	% MIX	ROCK	CS	QZ VEINS SIM	QZ VEINS LL	QZ VEINS LMT	FRACTURES SIM	FRACTURES LL	FRACTURES LMT	FILL IN COLUMN HEADINGS FOR HA/XX TYPE HEADINGS
			RECOV	SS Sample Serial No										

1	4	5	6	7	8	9	10	11	12	13	14	15	16	18	19	20	21	22	23	24	25	26	27	43	44	45	46	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76
/																												K	F	M	S	C	L	K	A	S	I	P	1	P	2	P	3	m	∅		
L														RQD						CS								Q	Z	C	B	Q	C	M	C	L	I	J	M	C	1	C	2	C	3		

A	1	4	5	6	7	8	9	10	11	12	13	14	15	16	18	19	20	21	22	23	24	25	26	27	43	44	45	46	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76
P					0	0	0	0			1	0	0	0							∅	V	R	D																						
P					1	0	.	0			2	0	0	0				P	P		Q	Z	m	Z													Q	3	D	=						
L																																					C									
N					1	4	6	0			2	0	0	0							X	∠	∅	S	T																						
A	1				1	0	0	0			2	0	0	0					S	1	3	0	1																								
P					2	0	.	0			3	0	0	0				P	P		Q	Z	m	Z										∅	+				D	=						
L																																					C									
A	1				2	0	0	0			3	0	0	0					S	1	3	0	2																								
P					3	0	0	0			4	0	0	0				P	P		Q	Z	m	Z										∅	+				D	=						
L																																					C									
A	1				3	0	0	0			4	0	0	0					S	1	3	0	3																								
P					4	0	0	0			5	0	0	0				P	P		Q	Z	m	Z										∅	+				D	=						
L																																					C									
A	1				4	0	0	0			5	0	0	0					S	1	3	0	4																								
P					5	0	0	0			6	0	0	0				P	P		Q	Z	m	Z										∅	+				D	=						
L																																					C									
A	1				5	0	0	0			6	0	0	0					S	1	3	0	5										∅	)	∅	+			D	=						
P					6	0	0	0			7	0	0	0				P	P		Q	Z	m	Z																								
L																																					C									
A	1				6	0	0	0			7	0	0	0					S	1	3	0	6										∅	)	∅	+			Q	3	D	=				
P					7	0	0	0			8	0	0	0				P	P		Q	Z	m	Z																								
L																																					C									
A	1				7	0	0	0			8	0	0	0					S	1	3	0	7										∅	)	∅	+			D	=						
P					8	0	0	0			9	0	0	0				P	P		Q	Z	m	Z																								
L																																					C									
A	1				8	0	0	0			9	0	0	0					S	1	3	0	8																								
P					9	0	0	0		1	0	0	0	0				P	P		Q	Z	m	Z												∅	+			D	=						
L																																					C									
A	1				9	0	0	0		1	0	0	0	0					S	1	3	0	9																								
P			1	0	0	0	0	0		1	1	0	0	0				P	P		Q	Z	m	Z												∅	+			D	=						
L																																					C									
A	1				1	0	0	0		0	0	0	0	0					S	1	3	1	0																								
P					1	1	0	0		1	2	0	0	0				P	P		Q	Z	m	Z												∅	)			P	X	D	=				
L																																					C									
A	1				1	1	0	0		1	2	0	0	0					S	1	3	1	1																								
P					1	2	0	0		1	3	0	0	0				P	P		Q	Z	m	Z												∅	)			Q	3	D	+	<	+		
L																																					C									

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(eolog Form 3)

UNIQUE ID OF PROJECT	DRILL HOLE / TRAVERSE	SIZE OF CORE	LOGGED	BY	ASST'D	DRILLER (S)	MONTH	YEAR	TYPE	TIME HRS	SURVEYED	SYSTEM	GRID AZIMUTH	PART	OF
IDEN6B020 1 V-243	DDH 73-1		A U 6 8 9	J F B				7 3						3	5

DRILL COORD SYSTEM UNITS →	M / F	TOTAL DEPTH / LENGTH	AZM	V ANG	NORTHING	EASTING	ELEVATION
S	T	411.000	253.000	-45.000	-1785.000	-971.17	425.000

ROCK TYPE | VEINS | FRACTURES | ALTERATION | MINERALIZATION | METERAGE

GRAPHIC LOG

Potassic, Phyllic, Propylitic, Argillic, Silicification, Py, Cpy, mg

120' 130' 140' 150' 160' 170' 180' 190' 200' 210' 220' 230' 240'

vein, qz

DESCRIPTIVE REMARKS

190'-200': Locally, pink zeolites are occurring on fractures.

	FROM	TO	RECOV	T-MOD	% MOD	ROCK	QZ VEINS S M L TOT	FILL IN COLUMN HEADINGS FOR HA/XX TYPE HEADINGS
1 4	5 6 7 8 9 10	11 12 13 14 15 16	18 19 20	21 22 23		24 25 26 27	43 44 45 46	57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76
/								K F M S C L K A S I P I P 2 P 3 M ø
L			RQD			CS	FRACTURES S M L TOT	Q Z C B Q C M C L I J A C I C 2 C 3
			RECOV	SS Sample		Serial No	27 28 29 30 31 32	

A	FROM	TO	RECOV	T-MOD	ROCK	FRACTURES	K	F	M	S	C	L	K	A	S	I	P	I	P	2	P	3	M	ø
A	120.00	130.00	130.00	S1	312	Q2 M1 2			ø	)	ø	)				C		D	+	<	+			
P	130.00	140.00	140.00	P P																				
L																								
A	130.00	140.00	150.00	S1	313	Q2 M1 2			ø	+	ø	+				C		D	=					
P	140.00	150.00	160.00	P P							>	·												
L																								
A	140.00	150.00	160.00	S1	314	Q2 M1 2			ø	4	ø	+				C		D	=					
P	150.00	160.00	170.00	P P							>	)												
L																								
A	150.00	160.00	170.00	S1	315	Q2 M1 2			P	5	ø	+				C		D	=					
P	160.00	170.00	180.00	P P							>	)												
L																								
A	160.00	170.00	180.00	S1	316	Q2 M1 2			P	5	ø	+				C		D	=					
P	170.00	180.00	190.00	P P							>	)												
L																								
A	170.00	180.00	190.00	S1	317	Q2 M1 2			ø	4	ø	3				C		D	=					
P	180.00	190.00	200.00	P P							>	)												
L																								
A	180.00	190.00	200.00	S1	318	Q2 M1 2			ø	4	ø	3				C		D	+	<	+			
P	190.00	200.00	210.00	P P							>	)						D	·					
L																								
A	190.00	200.00	210.00	S1	319	Q2 M1 2			P	5	ø	+				C		D	+	<	+			
P	200.00	210.00	220.00	P P							>	·												
L																								
A	200.00	210.00	220.00	S1	320	Q2 M1 2			ø	3	ø	)				C		D	+	<	+			
P	210.00	220.00	230.00	P P							>	·						D	·					
L																								
A	210.00	220.00	230.00	S1	321	Q2 M1 2			ø	3	ø	+				C		D	=					
P	220.00	230.00	240.00	P P							>	)						D	·					
L																								
A	220.00	230.00	240.00	S1	322	Q2 M1 2			ø	3	ø	+				C		D	+	<	+			
P	230.00	240.00	250.00	P P							>	)												
L																								
A	230.00	240.00	250.00	S1	323	Q2 M1 2			ø	4	ø	)				C		D	=					
P	240.00	250.00	260.00	P P							>	)						D	·					
L																								
A	240.00	250.00	260.00	S1	324	Q2 M1 2			ø	4	ø	)				C		D	=					
P	250.00	260.00	270.00	P P							>	)	ø			C								
L																								

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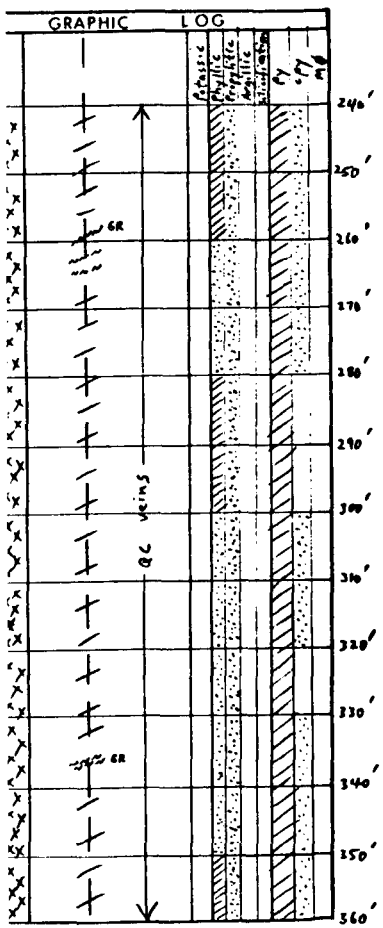
UNIQUE ID OF PROJECT	DRILL HOLE / TRAVERSE	SECTION CODE	LOGGED	BY	ASST'D	DRILLED (S)	MONTH	YEAR	TYPE	LINE / GRID	SURVEYED	SYSTEM	GRID AZIMUTH		
IDEN6B0201	V-243	DDH	AV6	89	JFB			73							4 5

DRILL COORD SYSTEM UNITS →	M / F	TOTAL DEPTH/LENGTH	AZM	V ANG	NORTHING	EASTING	ELEVATION
S	T	411.00	253.000	-45.000	-1785.000	-7791.17	4250.00

	FROM	TO	RECOV	T-MOD	% MIN	ROCK	QZ VEINS S M L tot	FILL IN COLUMN HEADINGS FOR HA/XX TYPE HEADINGS
1 4	5 6 7 8 9 10	11 12 13 14 15 16	18 19 20	21 22 23	24 25 26 27	43 44 45 46	57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76
/							K F M S C L K A S I P 1 P 2 P 3 M Ø
L			RQD		CS	FRACTURES S M L tot	Q Z C B Q C M C L I J A C 1 C 2 C 3
			RECOV	SS Sample Serial No	27	28 29 30 31	32

GRAPHIC LOG

VEINS | FRACTURES | ALTERATION | MINERALIZATION | METERAGE



DESCRIPTIVE REMARKS	A	FROM	TO	RECOV	T-MOD	% MIN	ROCK	QZ VEINS S M L tot	FILL IN COLUMN HEADINGS FOR HA/XX TYPE HEADINGS
	1 4	5 6 7 8 9 10	11 12 13 14 15 16	18 19 20	21 22 23	24 25 26 27	43 44 45 46	57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76
	N	259.00	260.00		SSX	SHER		
	A1	250.00	260.00		S1	1325		
	P	260.00	270.00		PP	QZMIZ		Ø+Ø) D) <)
	L							> · C D ·
	N	262.55	262.65		S8X	SHER		
	N	265.55	265.65		S8X	SHER		
	A1	260.00	270.00		S1	1261		
	P	270.00	280.00		PP	QZMIZ		Ø3Ø) D=
	L							>) Ø C D ·
	A1	270.00	280.00		S1	1271		
	P	280.00	290.00		PP	QZMIZ		Ø4Ø+ D+ < +
	L							>) Ø C
	A1	280.00	290.00		S1	1281		
	P	290.00	300.00		PP	QZMIZ		Ø4Ø+ D+ < +
	L							>) C
	A1	290.00	300.00		S1	1291		
	P	300.00	310.00		PP	QZMIZ		Ø3Ø) D+ < +
	L							>) C D ·
	A1	300.00	310.00		S1	1301		
	P	310.00	320.00		PP	QZMIZ		Ø3Ø) D+ < +
	L							>) Ø C D ·
	A1	310.00	320.00		S1	1311		
	P	320.00	330.00		PP	QZMIZ		Ø3Ø+ D) <)
	L							>) C
	A1	320.00	330.00		S1	1321		
	P	330.00	340.00		PP	QZMIZ		Ø3Ø+ D) <)
	L							>) C D ·
	A1	330.00	340.00		S1	1331		
	P	340.00	350.00		PP	QZMIZ		Ø3Ø+ D) <)
	L							>) Ø C D ·
	N	346.60	347.50			SHER		
	A1	340.00	350.00		S1	1341		
	P	350.00	360.00		PP	QZMIZ		Ø4Ø+ D) <)
	L							>) Ø C D ·
	A1	350.00	360.00		S1	1351		
	P	360.00	370.00		PP	QZMIZ		Ø3Ø+ D=
	L							>) C D ·
	A1	360.00	370.00		S1	1361		
	1 4	5 6 7 8 9 10	11 12 13 14 15 16	18 19 20	21 22 23	24 25 26 27	43 44 45 46	57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76

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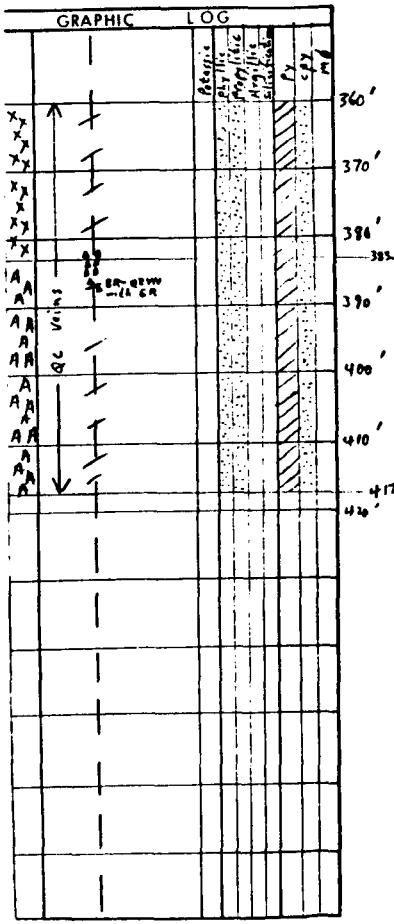
UNIQUE ID OF PROJECT	DRILL HOLE / TRAVERSE	SIZE OF CORE	LOGGED	BY	ASST.	DRILLER(S)	MONTH	YEAR	TYPE	TIME HRS	SURVEYED	SYSTEM	GRID AZIMUTH	PAGE	OF
IDEN6B0201	V-243	DDH	AV6	SFB				73						5	5

DRILL COORD SYSTEM UNITS →	M/F	TOTAL DEPTH/LENGTH	AZM	V ANG	NORTHING	EASTING	ELEVATION
S	T	417.00	253.00	-45.00	-1785.00	-1979.117	4250.00

ROCK TYPE | VEINS | FRACTURES | ALTERATION | MINERALIZATION | METERAGE

GRAPHIC LOG



DESCRIPTIVE REMARKS

(383.4' - 417') ALTERED ANDESITE

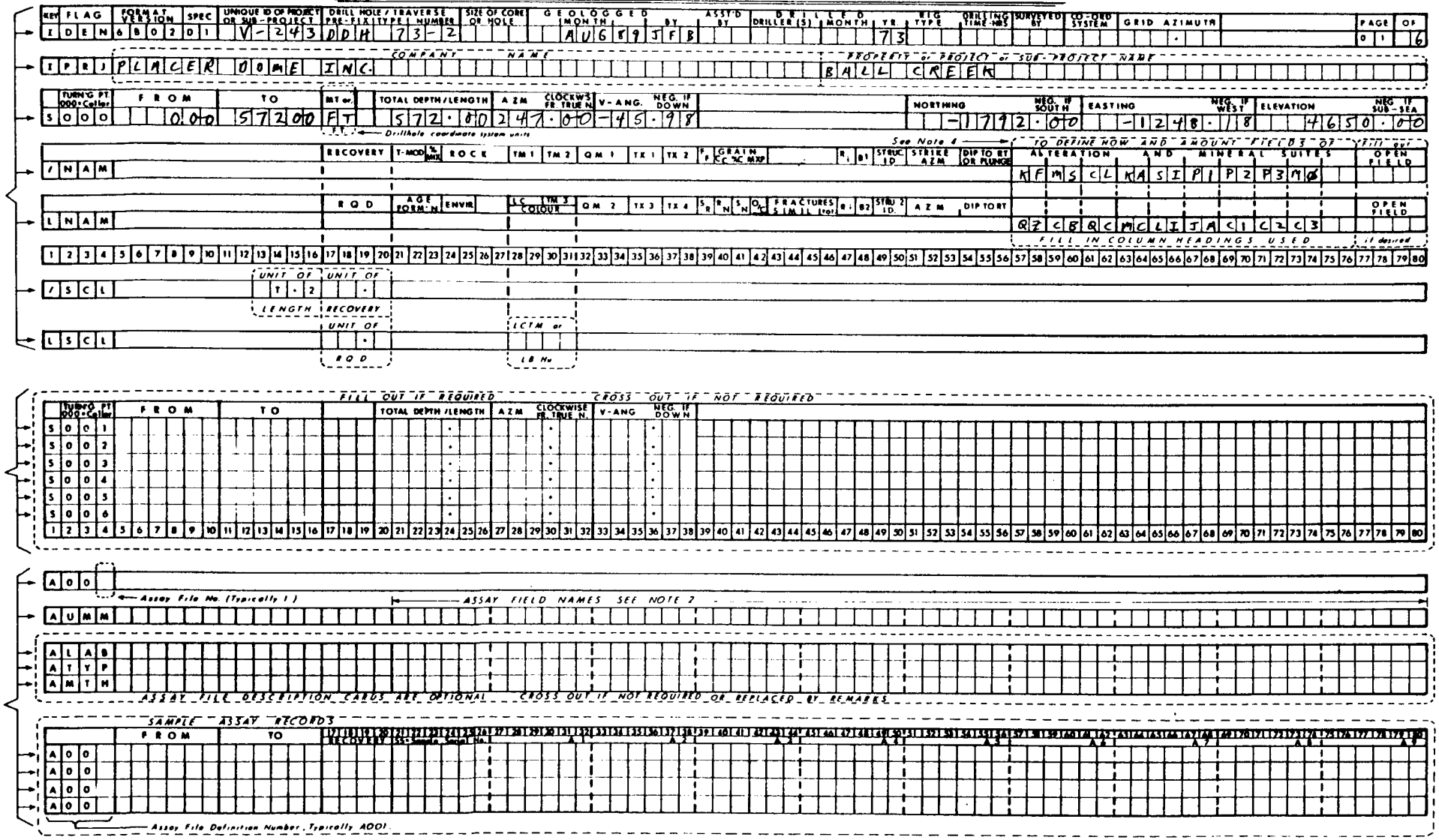
Colour is medium greenish-grey.

FROM	TO	RECOV	RQD	T-MOD	% MIX	ROCK	QZ VEINS S	M	L	Tot	FRACTURES S	M	L	Tot	FILL IN COLUMN HEADINGS FOR HA/XX TYPE HEADINGS
															KF MS CL KA SI P1 P2 P3 MØ
															QZ CB QC MC LI JA C1 C2 C3

FROM	TO	RECOV	T-MOD	% MIX	ROCK	QZ VEINS	FRACTURES	FILL IN COLUMN HEADINGS FOR HA/XX TYPE HEADINGS
P	370		PP		QZMIZ			Ø3Ø+ D) <) C D·
L	380							>)
A1	370		S1		137			
P	380		PP		QZMIZ			Ø3Ø+ D= C D·
L	383.4							>)
D	382.7		BR					
P	383.4		AL		ANDIS			Ø3Ø+ D) <) C D·
L	385.7							>)
D	383.4		BR					
M	386.6		PR	X	QZVIN			
A1	390.0		S1		138			
P	400.0		AL		MNDIS			Ø3Ø+ D) <) >·Ø C D·<·
L								
A1	400.0		S1		139			
P	410.0							Ø3Ø+ D) <) >· C D·
L								
A1	410.0		S1		140			
P	417.0							Ø3Ø+ D) <) >·Ø C D)
L								
A1			S1		141			

SP 1988

PLACER DOME INC. GEOLOG DRILLHOLE HEADER FORM



Notes:

1. - Do not change /NAM, LNAM, /SCL, LSCL, or AUMM card definitions durin a project. Blanks may be changed however.
2. - On AUMM card, right adjust names so that R H 4 letters make sense. They will be " stats" header names
3. - Units of distance on 5000 card are for survey coordinates, those on /SCL card are for downhole distances.
4. - To define X X type field put X X in upper tier, lower tier then becomes corresponding How and amount field
5. - If additional "S" or "A" cards are required use another header form and cross out unwanted portions or enter "S" or "A" cards on keypunched portion on form 2.

PLK - A K - Feb 88

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UNIQUE ID OF PROJECT	DRILL HOLE / TRAVERSE	SIZE OF CORE	LOGGED	BY	ASST'D	DRILLER (S)	MONTH	YEAR	TYPE	TIME HR	COVERED	SYSTEM	GRID AZIMUTH	PAGE
IDEN 6802 01 V-243	DDH 73-2		AU6 89	JFB				73						2 16

DRILL COORD SYSTEM UNITS	M/F	TOTAL DEPTH/LENGTH	AZM	V ANG	NORTHING	EASTING	ELEVATION
S	T	572.000	247.000	-45.978	-1792.000	-1248.118	4650.000

ROCK TYPE | VEINS | FRACTURES | ALTERATION | MINERALIZATION | METERAGE

GRAPHIC LOG

Argillic, Phyllic, Propylitic, Hematitic, Silicification, py, cpy, MD

0' 10' 20' 30' 40' 50' 60' 70' 80' 90' 100' 110' 120'

QZ+Ep Veins

DESCRIPTIVE REMARKS
(0'-6') OVERBURDEN
(6'-280') ALTERED ANDESITE
Colour varies from medium greenish-grey to medium greenish-greyish-orange.

FROM	TO	RECOV	T-MOD	% MIX	ROCK	QZ VEINS S M L tot	FILL IN COLUMN HEADINGS FOR HA/XX TYPE HEADINGS
							K F MS CL KA SI P1 P2 P3 MØ
RQD	CS					FRACTURES S M L tot	RZ CB QC MC LI JA C1 C2 C3

A	FROM	TO	RECOV	SS Sample Serial No.	ROCK	FILL IN COLUMN HEADINGS FOR HA/XX TYPE HEADINGS
P	0.00	6.00			ØVBD	
P	6.00	20.00			AL ANDIS	Ø3Ø+ D·
L						Ø C
A1	6.00	20.00			5114 2	
P	20.00	30.00			AL ANDIS	Ø4Ø+ D·
L						C
A1	20.00	30.00			5114 3	
P	30.00	40.00			AL ANDIS	P5Ø3 D)<) <· <·
L						C
A1	30.00	40.00			5114 4	
P	40.00	50.00			AL ANDIS	Ø4Ø3 D)<) D·
L						C
A1	40.00	50.00			5114 5	
P	50.00	60.00			AL ANDIS	P5Ø3 D)<) D·
L						C
A1	50.00	60.00			5114 6	
P	60.00	70.00			AL ANDIS	P6Ø3 D· D·
L						C
A1	60.00	70.00			5114 7	
P	70.00	80.00			AL ANDIS	P6Ø3 D·
L						C
A1	70.00	80.00			5114 8	
P	80.00	90.00			AL ANDIS	P6Ø3 D·
L						C
A1	80.00	90.00			5114 9	
P	90.00	100.00			AL ANDIS	P5Ø3 D) D)
L						C
A1	90.00	100.00			5115 0	
P	100.00	110.00			AL ANDIS	P6Ø+ D· <·
L						Ø C
A1	100.00	110.00			5100 1	
P	110.00	120.00			AL ANDIS	P6Ø+ D· D·
L						C
A1	110.00	120.00			5100 2	>· >·
P	120.00	130.00			AL ANDS	P6Ø+ D· D·
L						Ø C
A1	120.00	130.00			5100 3	>·

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UNIQUE ID OF PROJECT	DRILL HOLE / TRAVERSE	SIZE OF CORE	LOGGED	BY	ASST ID	DRILLER (S)	MONTH	YEAR	TYPE	TIME HRS	SURVEYED	SYSTEM	GRID AZIMUTH	PAGE
IDEN6802 01 V-243	DDH 73-2		AV6 89	JFE				73						3 16

DRILL COORD SYSTEM UNITS →	M/F	TOTAL DEPTH/LENGTH	AZM	V ANG	NORTHING	EASTING	ELEVATION
5	T	572.000	241.000	-45.981	-11792.000	-12488.118	4650.000

ROCK TYPE | VEINS | FRACTURES | ALTERATION | MINERALIZATION | METERAGE

GRAPHIC LOG

Potassic, Phyllic, Argillic, Silicification, Py, Sph, Gn

Qz + CB Veins

120′ 130′ 140′ 150′ 160′ 170′ 180′ 190′ 200′ 210′ 220′ 230′ 240′

DESCRIPTIVE REMARKS

	FROM	TO	RECOV	T-MOD	% MIX	ROCK	QZ VEINS S M L TOT	FILL IN COLUMN HEADINGS FOR HA/XX TYPE HEADINGS
/			RQD			CS	FRACTURES S M L TOT	K F M S C L K A S J F I P 2 P 3 M Ø
L			RECOV	CS Sample Serial No	27 28 29 30 31 32		Q Z C B Q C M C L I J A C I C 2 C 3	

	FROM	TO	RECOV	T-MOD	% MIX	ROCK	QZ VEINS	DESCRIPTIVE REMARKS
P	130.00	140.00		AL		AND DIS		
L								
N	137.00	137.80		SS	X	SHEAR		
AI	130.00	140.00		SI		004		
P	140.00	150.00		AL		AND DIS		
L								
N	140.80	141.20		SS	X	SHEAR		
AI	140.00	150.00		SI		005		
P	150.00	160.00		AL		AND DIS		
L								
AI	150.00	160.00		SI		006		
P	160.00	170.00		AL		AND DIS		
L								
AI	160.00	170.00		SI		007		
P	170.00	180.00		AL		AND DIS		
L								
AI	170.00	180.00		SI		008		
P	180.00	190.00		AL		AND DIS		
L								
AI	180.00	190.00		SI		009		
P	190.00	200.00		AL		AND DIS		
L								
AI	190.00	200.00		SI		010		
P	200.00	210.00		AL		AND DIS		
L								
AI	200.00	210.00		SI		011		
P	210.00	220.00		AL		AND DIS		
L								
AI	210.00	220.00		SI		012		
P	220.00	230.00		AL		AND DIS		
L								
AI	220.00	230.00		SI		013		
P	230.00	240.00		AL		AND DIS		
L								
AI	230.00	240.00		SI		014		
P	240.00	250.00		AL		AND DIS		
L								
N	247.80	248.20		SS	X	SHEAR		
AI	240.00	250.00		SI		015		

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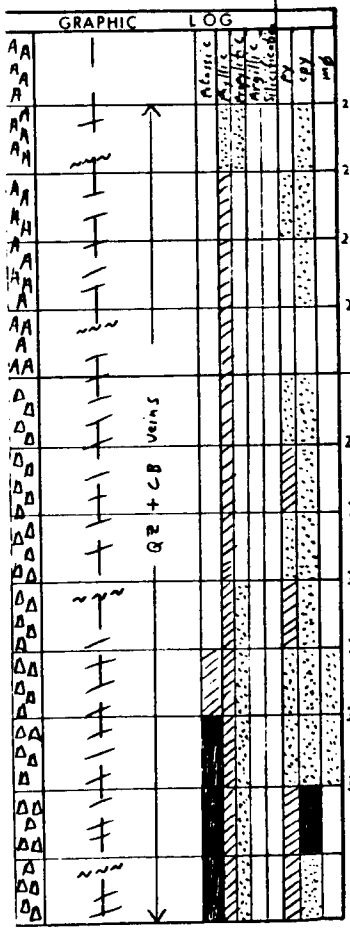
Geolog Form 3)

UNIQUE ID OF PROJECT	DRILL HOLE / TRAVERSE	SIZE OF CORE	LOGGED	BY	ASST'D	DRILLER(S)	MONTH	YEAR	TYPE	TIME HRS	SURVEYED	SYSTEM	GRID AZIMUTH	PAGE
IDEN6802 01	V-243	DDH	73-2	AV6	89	JFB		73						14 16

DRILL COORD SYSTEM UNITS →	M / F	TOTAL DEPTH/LENGTH	AZM	V ANG	NORTHING	EASTING	ELEVATION
S	T	573.000	247.000	-45.98	-1792.000	-1248.18	4656.000

ROCK TYPE | VEINS | FRACTURES | ALTERATION | MINERALIZATION | METERAGE

GRAPHIC LOG



		FROM	TO	RECOV	T-MOD	% MOD	ROCK	QZ VEINS S M L 1001	FILL IN COLUMN HEADINGS FOR HA/XX TYPE HEADINGS
1	4	5 6 7 8 9 10	11 12 13 14 15 16	18 19 20	21 22 23	24 25 26 27	43 44 45 46	57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76
/				RQD		CS	FRACTURES S M L 1001	K F M S C L K A S I P 1 P 2 P 3 M Ø
L				RECOV	SS Sample Serial No	27 28 29 30 31	33	Q Z C B Q C M C L I J A C 1 C 2 C 3

DESCRIPTIVE REMARKS	A	1 4	5 6 7 8 9 10	11 12 13 14 15 16	18 19 20	21 22 23	24 25 26 27	43 44 45 46	57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76
	P		250	260		AL	ANDIS		Ø4
	L								>) Ø C D·
	A	1	250	260		51	016		
	P		260	270		AL	ANDIS		Ø4
	L								>· C D·
	A	1	260	270		51	017		
	P		270	280		AL	ANDIS		Ø4
	L								>· Ø C
	N		273 90	274 20		55X	SHEIR		
	A	1	270	280		51	018		
(280'-540') ALTERED ANDESITE BRECCIA	P		280	290		BR	ANDIS		Ø4 D· >·
	L								>) C D● >●
Colour varies from medium greenish-grey to	A	1	280	290		51	019		
medium greenish-greyish orange to	P		290	300		BR	ANDIS		P5 D● <● >●
medium greenish-greyish-pink to	L								>=>) C D· <· >·
medium greenish-greyish-pinkish-orange.	A	1	290	300		51	020		
	P		300	310		BR	ANDIS		P5 <● >●
	L								>) C <·
	A	1	300	310		51	021		
	P		310	320		BR	ANDIS		P5Ø) D● <● >●
	L								>)>· C D· <· >·
	N		312 30	312 70		55X	SHEIR		
	A	1	310	320		51	022		
	P		320	330		BR	ANDIS		F4P6Ø+ D· >· >·
	L								>+ Ø C D· >·
	A	1	320	330		51	023		
	P		330	340		BR	ANDIS		E8P6Ø+ D● >● >·
	L								>= Ø C D● >●
	A	1	330	340		51	024		
	P		340	350		BR	ANDIS		E8P6Ø+ D● <● >●
	L								>) Ø C D) >))
	A	1	340	350		51	025		
	P		350	360		BR	ANDIS		E8P6Ø+ D) <) >)
	L								>= >· C D·
	N		351 20	351 70		55X	SHEIR		
	A	1	350	360		51	026		

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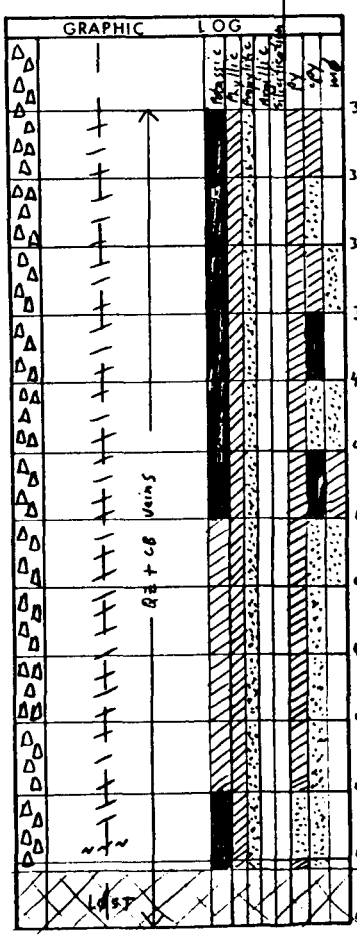
UNIQUE ID OF PROJECT	DRILL HOLE / TRAVERSE	SURFACE	DOGGED	BY	ASST'D	DRILLER (S)	MONTH	YEAR	TYPE	TIME HRS	SURVEYED	SYSTEM	GRID AZIMUTH	PAGE
IDEN6B020	V-243	DOH	AU6	89	JFB			73						5 16

DRILL COORD SYSTEM UNITS →	M/F	TOTAL DEPTH/LENGTH	AZM	V ANG	NORTHING	EASTING	ELEVATION
S	T	572.000	247.000	-45.98	-179202.000	-12488.118	4650.000

GRAPHIC LOG — ROCK TYPE | VEINS | FRACTURES | ALTERATION | MINERALIZATION | METERAGE



	FROM	TO	RECOV	T-MOD	%MIX	ROCK	QZ VEINS S M L tot	FILL IN COLUMN HEADINGS FOR HA/XX TYPE HEADINGS
1 4	5 6 7 8 9 10	11 12 13 14 15 16	18 19 20	21 22 23		24 25 26 27	43 44 45 46	57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76
/			RQD			CS	FRACTURES S M L tot	K F M S C L K A S I P 1 P 2 P 3 M Ø
L			RECOV	SS Sample Serial No		27	28 29 30 31	Q Z C B Q C M C L I J A C 1 C 2 C 3

A

DESCRIPTIVE REMARKS

1 4	5 6 7 8 9 10	11 12 13 14 15 16	18 19 20	21 22 23	24 25 26 27	43 44 45 46	57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76
P	360 000	370 000		BR	ANDS		E8P6Ø3 D) <) >)
L							>1> · D● <● >●
M1	360 000	370 000		S1	0271		
P	370 000	380 000		BR	ANDS		E8P6Ø3 D) <) >)
L							>1> · D● >●
M1	370 000	380 000		S1	0281		
P	380 000	390 000		BR	ANDS		E8P6Ø3 D) <) >) >·
L							>=> · C D) <) >)
M1	380 000	390 000		S1	0291		
P	390 000	400 000		BR	ANDS		E8P6Ø3 D) <) >)
L							>=> · C D) <) >)
M1	390 000	400 000		S1	0301		
P	400 000	410 000		BR	ANDS		E8P6Ø3 D) <) >) <·
L							>=> · D● <●
M1	400 000	410 000		S1	0311		
P	410 000	420 000		BR	ANDS		E8P6Ø3 D) <) >) <)
L							>=> · D) <) >)
M1	410 000	420 000		S1	0321		
P	420 000	430 000		BR	ANDS		E4P6Ø3 D● <● >● <·
L							>=> · D)
M1	420 000	430 000		S1	0331		
P	430 000	440 000		BR	ANDS		E4P6Ø3 D) <) >)
L							>=> · D● >●
M1	430 000	440 000		S1	0341		
P	440 000	450 000		BR	ANDS		E4P6Ø+ D) <) >)
L							>=> · D· <· >·
M1	440 000	450 000		S1	0351		
P	450 000	460 000		BR	ANDS		E4P6Ø+ D) <) >)
L							>=> · D· <·
M1	450 000	460 000		S1	0361		
P	460 000	470 000		BR	ANDS		E8P6Ø) D· <· >·
L							>+> · D● >●
N	467 000	467 400		S5X	SHER		
M1	460 000	470 000		S1	0371		
P	470 000	480 000		BR	ANDS		E8P6Ø+ D● <● >●
L							>) >· D)
N	471 000	480 000		X	LØST		

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(Geolog Form 3)

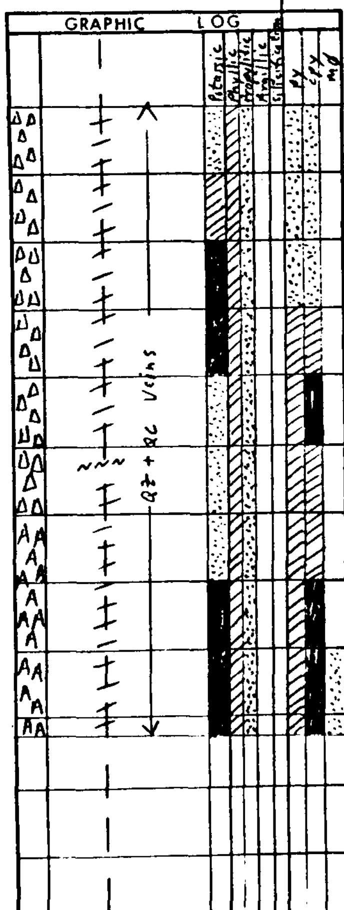
IDEN	Unique ID of Project	Drill Hole / Traverse	Size of Core	Logged	By	Asst	Driller(s)	Month	Year	Type	Time Hrs	Surveyed System	Grid Azimuth	Page
IDEN6B0201	V-243	DDH 73-2		MV6	89 JFB				73					6 / 16

S	Drill Coord System Units	M/F	Total Depth/Length	AZM	V ANG	Northing	Easting	Elevation
S		T	572.00	247.00	-45.98	-1792.00	-1248.18	4650.00

ROCK TYPE | VEINS | FRACTURES | ALTERATION | MINERALIZATION | METERAGE

GRAPHIC LOG

Alteration columns: Potassic, Phyllic, Propylitic, Argillic, Silicification. Mineralization columns: py, cpy, Mo.



Meterage: 480′, 490′, 500′, 510′, 520′, 530′, 540′, 550′, 560′, 570′, 572′, 580′

Veins: ~~~ Qz + KC Veins

DESCRIPTIVE REMARKS

507.5: Large bleb of fluorite is present.

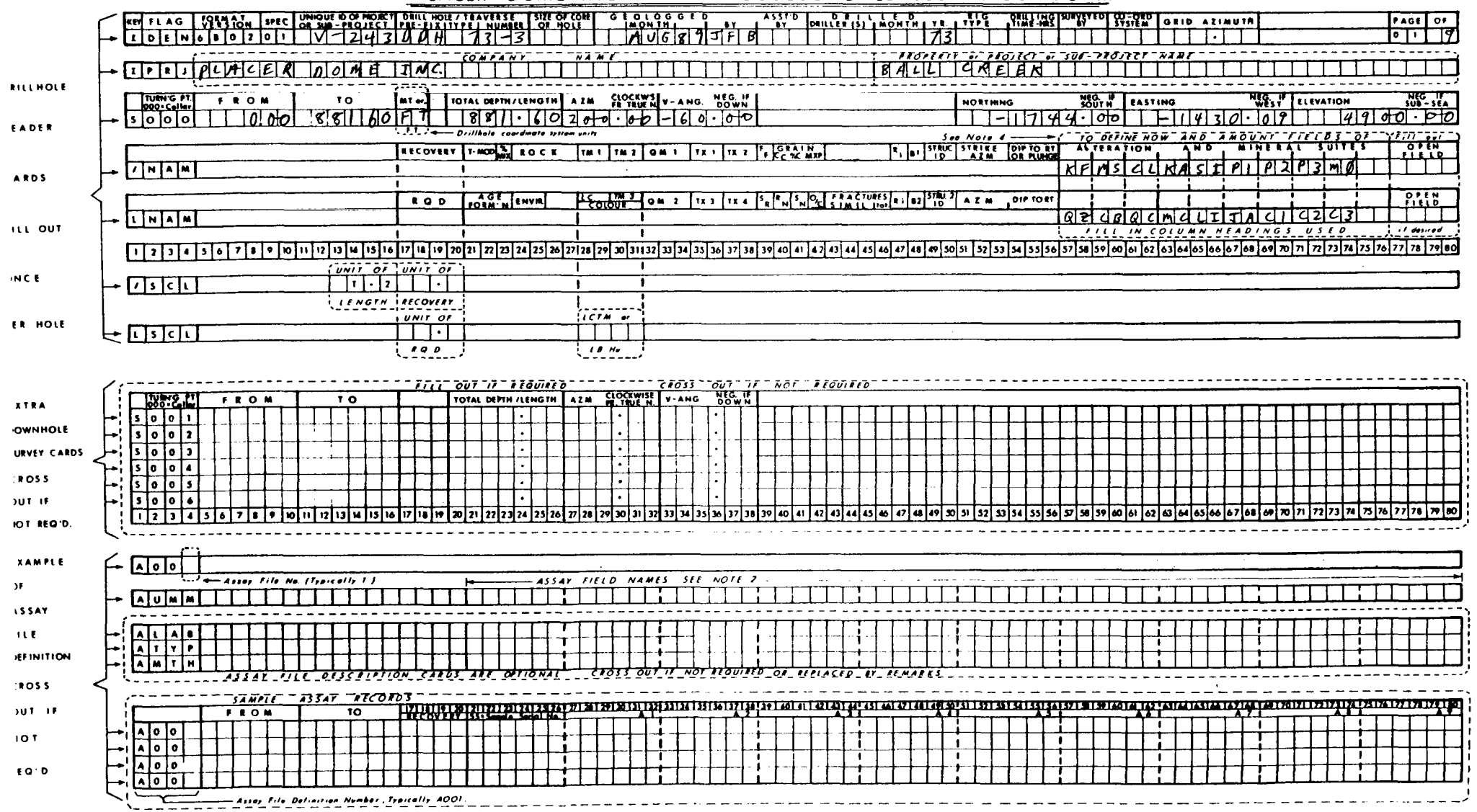
(540′-572′) ALTERED ANDESITE

Colour varies from medium greenish-grey to medium greenish-greyish-pink.

1	4	FROM (5-10)	TO (11-16)	RECOV (18-20)	T-MOD (21-23)	ROCK (24-27)	SS Sample Serial No	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76
/								K	F	M	S	C	L	K	A	S	I	P	I	P	2	P	3	M	Ø		
L				RQD		CS	FRACTURES S M L tot	Q	Z	C	B	Q	C	M	C	L	I	J	M	C	1	C	2	C	3		
A	1	470.00	480.00				51038																				
P		480.00	490.00		BR	ANDS		E	2	P	5	Ø	)					D	·	<	·	>	·				
L								>	)			>	)							D	●			>	●		
A	1	480.00	490.00				51039																				
P		490.00	500.00		BR	ANDS		E	4	P	6	Ø	)					D	·	<	·	>	·				
L								>	+			>	)							D	●			>	●		
A	1	490.00	500.00				51040																				
P		500.00	510.00		BR	ANDS		E	8	P	6	Ø	+					D	·			>	·				
L								>	)			>	·							D	·			>	·		
A	1	500.00	510.00				51041																				
P		510.00	520.00		BR	ANDS		E	8	P	6	Ø	+					D	)			>	)				
L								>	)			>	·							D	)			>	)		
A	1	510.00	520.00				51042																				
P		520.00	530.00		BR	ANDS		F	2	P	5	Ø	)					D	)	<	)	>	)				
L								>	)			>	●							D	)	<	)	>	)		
A	1	520.00	530.00				51043																				
P		530.00	540.00		BR	ANDS		E	2	P	6	Ø	+					D	●	<	●	>	●				
L								>	)			>	)							D	●	<	●	>	●		
N		531.00	531.50		53X	SHER																					
A	1	530.00	540.00				51044																				
P		540.00	550.00		AL	ANDS		E	2	P	6	Ø	+					D	●	<	●	>	●				
L								>	)			>	·							D	)	<	)				
A	1	540.00	550.00				51045																				
P		550.00	560.00		AL	ANDS		E	8	P	6	Ø	+					D	)	<	)	>	)				
L								>	)			>	)							D	)	<	)	>	)		
A	1	550.00	560.00				51046																				
P		560.00	572.00		AL	ANDS		E	8	P	6	Ø	+					D	)	<	)	>	)	>	·		
L								>	)			>	)							D	)	<	)	>	)		
A	1	560.00	572.00				51047																				

SP 1988

PLACER DOME INC. GEOLOG DRILLHOLE HEADER FORM



Notes:

1. - Do not change /NAM, LNAM, /SCL, LSCL, or AUMM card definitions durin a project. Blanks may be changed howe
2. - On AUMM card, right adjust names so that R H 4 letters make sense. They will be "stats" header names
3. - Units of distance on S000 card are for survey coordinates, those on /SCL card are for downhole distances.
4. - To define XX type field put XX in upper tier, lower tier then becomes corresponding How and amount field
5. - If additional "S" or "A" cards are required use another header form and cross out unwanted portions or enter "S" or "A" cards on keypunched portion on Form 7.

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UNIQUE ID OF PROJECT	DRILL HOLE - TRAVERSE	SHEET # OF # SHEETS	LOGGED BY	ASST'D	DRILLER (S)	MONTH	YEAR	TYPE	TIME - HR.	SURVEYED	SYSTEM	JOINT ORIENTATION	PAGE
V-247	DDH 72-13		HUGHES	JFB		7	73						2 of 19

DRILL COORD SYSTEM UNITS — m	M/F	TOTAL DEPTH/LENGTH	AZM	V ANG	NORTHING	EASTING	ELEVATION
S	T	811.60	200.00	-60.00	-17944.00	-14309.09	4900.00

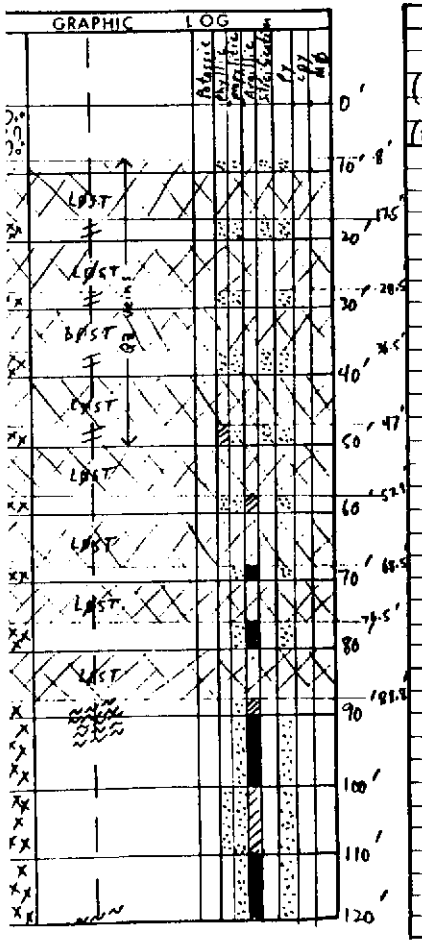
FROM	TO	RECOV	RQD	% RECOV	F-MOD	% MIN	ROCK	CS	QZ VEINS S	QZ VEINS M	QZ VEINS L	QZ VEINS tot	FRACTURES S	FRACTURES IN	FRACTURES L	FRACTURES tot

FILL IN COLUMN HEADINGS FOR HA/XX TYPE HEADINGS

57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76
	K	F	M	S	C	L	K	A	S	I	P	1	P	2	P	3	M	Ø	
	Q	Z	C	B	Q	C	M	C	L	I	J	M	C	1	C	2	C	3	

ROCK TYPE	VEINS	FRACTURES	ALTERATION	MINERALIZATION	METERAGE

GRAPHIC LOG



DESCRIPTIVE REMARKS

(0'-8') OVERBURDEN

(8'-254.2') QUARTZ MONZONITE PORPHYRY

Colour varies from medium greenish-grey to medium greenish-grey-orange to light greyish-whitish-orange. 8'-50': core is bleached.

A	FROM	TO	RECOV	RQD	% RECOV	F-MOD	% MIN	ROCK	CS	QZ VEINS S	QZ VEINS M	QZ VEINS L	QZ VEINS tot	FRACTURES S	FRACTURES IN	FRACTURES L	FRACTURES tot	FILL IN COLUMN HEADINGS FOR HA/XX TYPE HEADINGS
P	0.00	8.00						Ø V B D										
P	8.00	20.00				P P		Q Z M I Z										Ø 3 Ø + Q 3 D · C
L																		>)
N	8.00	17.50					X	L Ø S I T										
P	20.00	30.00				P P		Q Z M I Z										Ø 3 Ø + D) C
L																		>=
N	20.00	28.50					X	L Ø S I T										
M I	20.00	30.00				S I		0 4 8										
P	30.00	40.00				P P		Q Z M I Z										Ø + Ø) Q 3 D · C
L																		>I
N	30.00	36.50					X	L Ø S I T										
M I	30.00	40.00				S I		0 4 9										
P	40.00	50.00				P P		Q Z M I Z										Ø 4 Ø) Q 3 D · C
L																		>=
N	40.00	47.00					X	L Ø S I T										
M I	40.00	50.00				S I		0 5 0										
P	50.00	60.00				P P		Q Z M I Z										Ø 3 Ø + P 6 D · C
L																		
N	50.00	57.90					X	L Ø S I T										
P	60.00	70.00				P P		Q Z M I Z										Ø 3 P 8 D · C
L																		
N	60.00	68.50					X	L Ø S I T										
P	70.00	80.00				P P		Q Z M I Z										Ø 3 P 8 D · C
L																		
N	70.00	76.50					X	L Ø S I T										
P	80.00	90.00				P P		Q Z M I Z										Ø + P 6 C
L																		
N	80.00	88.50					X	L Ø S I T										
M	88.00	90.00				S 8	X	S H E R										
P	90.00	100.00				P P		Q Z M I Z										Ø 3 P 7 D) C
L																		
N	90.00	93.20				S 8	X	S H E R										
P	100.00	111.00				P P		Q Z M I Z										Ø 1 Ø 3 Ø 4 D · C
L																		
A I	100.00	110.00				S I		2 8 6										

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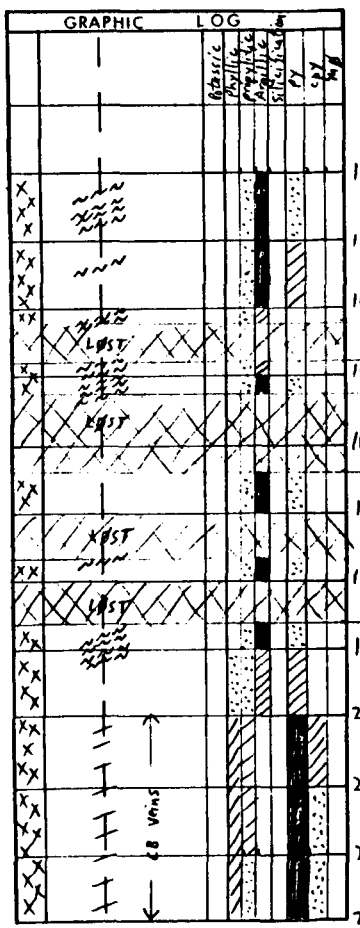
UNIQUE ID OF PROJECT	DRILL HOLE / TRAVERSE	SIZE OF CORE	LOGGED	BY	ASST.	DRILLER(S)	MONTH	YEAR	TYPE	FIND. HOR.	SURVEYED	SYSTEM	GRID AZIMUTH	PAGE
IDEN6B0201	V-243	DDH	AUG 89	JFB				73						3 of 9

DRILL COORD SYSTEM UNITS →	M / F T	TOTAL DEPTH/LENGTH	AZM	V ANG	NORTHING	EASTING	ELEVATION
S		881.60	270.00	-60.00	-17447.00	-14309.09	4900.00

ROCK TYPE | VEINS | FRACTURES | ALTERATION | MINERALIZATION | METERAGE

GRAPHIC LOG



DESCRIPTIVE REMARKS

A	FROM	TO	RECOV.	RQD	RECOV	T-MOD	% MIX	ROCK	CS	QZ VEINS S M L tot	FRACTURES S M L tot	Sample	Serial No.	FILL IN COLUMN HEADINGS FOR HA/XX TYPE HEADINGS
P	110.00	120.00				PP		QZMIZ						Ø+P7 D·
PL														C
NAll	119.10	119.50				S8	X	SHER						
All	110.00	120.00				51		2871						
P	120.00	130.00				PP		QZMIZ						Ø)P8 D·
PL														C
N	122.40	123.00				S5	X	SHER						
N	124.40	126.10				S8	X	SHER						
P	130.00	140.00				PP		QZMIZ						Ø)P7 D=
PL														C
N	134.00	134.60				S8	X	SHER						
P	140.00	150.00				PP		QZMIZ						Ø)P6
PL														C
N	142.00	148.20					X	LØST						
N	141.00	142.20				S8	X	SHER						
N	148.00	150.00				S8	X	SHER						
P	150.00	160.00				PP		QZMIZ						Ø)P7 D·
PL														C
N	151.50	160.00					X	LØST						
N	150.00	153.00				S8	X	SHER						
P	160.00	170.00				PP		QZMIZ						Ø)P7 D·
PL														C
N	160.00	163.50					X	LØST						
N	177.50	178.00				S5	X	SHER						
P	180.00	190.00				PP		QZMIZ						Ø+P7 D·
PL														C
N	180.00	186.20					X	LØST						
N	188.00	190.00				S8	X	SHER						
P	190.00	200.00				PP		QZMIZ						Ø3Ø+P5 D=
PL														C
N	190.00	190.70				S8	X	SHER						
P	200.00	210.00				PP		QZMIZ						P6Ø4 D+<+
PL														>·Ø C D))
PL	210.00	220.00				PP		QZMIZ						P6Ø4 D=
														>· C D●

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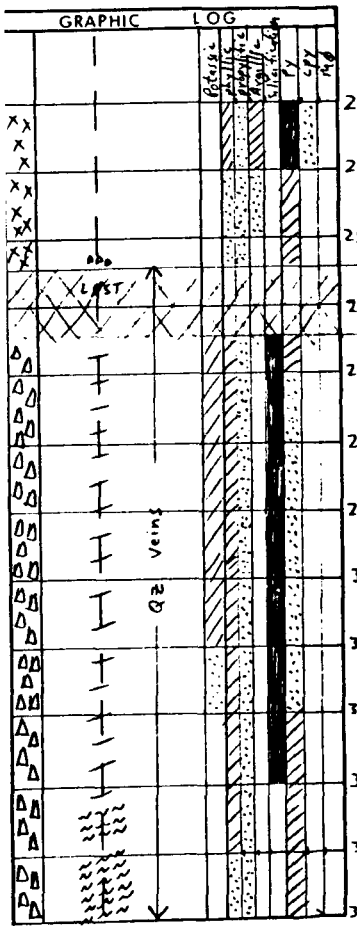
UNIQUE ID OF PROJECT	DRILL HOLE / TRAVERSE	SIZE OF CORE	LOGGED	BY	ASST'D	DRILLER(S)	MONTH	YEAR	TYPE	TIME (HR)	SURVEYED	SYSTEM	GRID AZIMUTH	PAGE
DENB0201	V-243		AU6	JFP				73						4 19

DRILL COORD SYSTEM UNITS →	M / F	TOTAL DEPTH/LENGTH	AZM	V ANG	NORTHING	EASTING	ELEVATION
S	F	881.60	020.00	-60 1.00	-17441.00	-14301.09	419.00

ROCK TYPE | VEINS | FRACTURES | ALTERATION | MINERALIZATION | METERAGE

GRAPHIC LOG



DESCRIPTIVE REMARKS

(254.2'-368') ALTERED ANDESITE BRECCIA

Colour varies from medium greenish-greyish-orange to medium greenish-greyish-pinkish-orange.

	FROM	TO	RECOV	T-MOD	% MIX	ROCK	QZ VEINS S M L tot	FILL IN COLUMN HEADINGS FOR HA/XX TYPE HEADINGS
1 4	5 6 7 8 9 10	11 12 13 14 15 16	18 19 20	21 22 23	24 25 26 27	43 44 45 46	57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76
/			RQD		CS	FRACTURES S M L tot	K F M S C L K A S I P I P 2 P 3 M Ø
L			RECOV	SS Sample Serial No	27 28 29 30 31	32	Q Z C B Q C M C L I J A C 1 C 2 C 3
A							
P	220 00	230 00		P P	Q Z M Z		P S Ø 3 D =
L							> · C D ·
P	230 00	240 00		P P	Q Z M Z		P S Ø 3 P S C D = D ·
L							C
P	240 00	250 00		P P	Q Z M Z		Ø 3 Ø + Ø + C D =
L							C
P	256 00	254 20		P P	Q Z M Z		Ø + Ø + C D)
L							C
D	253 80	254 20		B R			
P	254 20	260 00		B R	A N D I S		E 4 P S Ø + D) <)
L							>= C
N	254 20	260 80		X	L Ø S I T		
M 1	250 00	260 00		S 1	0 S 1		
P	260 00	270 00		B R	A N D I S		E 4 P S Ø + Q 7 D) <)
L							>= C
N	260 00	264 70		X	L Ø S I T		
M 1	260 00	270 00		S 1	0 S 2		
P	270 00	280 00		B R	A N D I S		E 4 P S Ø + Q 7 D ● < ●
L							>1 C
M 1	270 00	280 00		S 1	0 S 3		
P	280 00	290 00		B R	A N D I S		E 4 P S Ø + Q 7 D ● < ●
L							>1 C
M 1	280 00	290 00		S 1	0 S 4		
P	290 00	300 00		B R	A N D I S		E 4 P S Ø + Q 7 D · < ·
L							>= Ø C
M 1	290 00	300 00		S 1	0 S 5		
P	300 00	310 00		B R	A N D I S		E 4 P S Ø + Q 7 D ● < ●
L							>= Ø C
M 1	300 00	310 00		S 1	0 S 6		
P	310 00	320 00		B R	A N D I S		E 2 P S Ø + Q 7 D ● < ●
L							>= C
M 1	310 00	320 00		S L	0 S 7		
P	320 00	330 00		B R	A N D I S		Ø 4 Ø + Q 7 D) <)
L							>= >) C
M 1	320 00	330 00		S 1	0 S 8		
P	330 00	340 00		B R	A N D I S		Ø 4 Ø + D) <)
L							>) C
N	333 60	336 60		S S X	S H E M		
1 4	5 6 7 8 9 10	11 12 13 14 15 16	18 19 20	21 22 23	24 25 26 27	43 44 45 46	57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76

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Geolog Form 3)

UNIQUE ID OF PROJECT: I D E N 6 8 0 2 0 1 — V-243
DRILL HOLE / TRAVERSE: D D H 77-3
SIZE OF CORE: NQ
DIP: -89
BY: JFB
DRILLER(S):
MONTH: 7
YEAR: 83
TYPE:
TIME - HRS:
SURVEYED:
SYSTEM:
GRID AZIMUTH:
PAGE: 5 of 9
DRILL COORD SYSTEM UNITS: S
M / F: T
TOTAL DEPTH/LENGTH: 881.60
AZM: 270.00
V ANG: -60.00
NORTHING: -17441.00
EASTING: -14301.09
ELEVATION: 4900.00

ROCK TYPE | VEINS | FRACTURES | ALTERATION | MINERALIZATION | METERAGE

GRAPHIC LOG

Magnetic Intensity | Graphite | Graphitic Sediments | cpy | MB

350'
360'
370' (368')
380'
383'
390'
397.2'
400'
410'
420'
430'
440'
450'
452.5'
460'

Veins
QZ
Lost
Lost
BR-QzVn
QZ + QC Veins

DESCRIPTIVE REMARKS

(368'-452.5') QUARTZ MONZONITE PORPHYRY

Colour varies from medium greenish-grey to medium to medium greenish-greyish-orange.

	FROM	TO	RECOV	RQD	RECOV	T-MOD	% MR	ROCK	CS	QZ VEINS S/M	L	Tot	FRACTURES S/M	L	Tot	FILL IN COLUMN HEADINGS FOR HA/XX TYPE HEADINGS
																K F M S C L K A S I P 1 P 2 P 3 M Ø
L																Q Z C B Q C M C U J A C 1 C 2 C 3

SS: Sample Serial No. 27 28 29 30 31 32

	FROM	TO	RECOV	T-MOD	% MR	ROCK	QZ VEINS	FILL IN COLUMN HEADINGS FOR HA/XX TYPE HEADINGS
P	340.00	350.00		BR		AND S		Ø 3 Ø) D) <)
L								C
N	340.00	350.00		S6X		3H E R		
P	350.00	360.00		BR		AND S		Ø + Ø) D ● < ●
L								>) Ø C D ·
N	350.00	360.00		S6X		3H E R		
P	360.00	368.00		BR		AND S		Ø + Ø) D ●
L								> + Ø C D ·
P	368.00	370.00		PP		QZ MIZ		P 5 Ø) D)
L								> · > · C D)
N	368.00	369.00		S8X		3H E R		
P	370.00	380.00		PP		QZ MIZ		P 5 Ø) D)
L								> · > · C D)
P	380.00	390.00		PP		QZ MIZ		P 5 Ø + D) <)
L								C
N	380.00	383.00			X	L Ø S T		
P	390.00	400.00		PP		QZ MIZ		P 6 Ø + D)
L								C D ·
N	390.00	393.20			X	L Ø S T		
P	400.00	410.00		PP		QZ MIZ		P 6 Ø + Q 3 D +
L								>) C D ·
P	410.00	420.00		PP		QZ MIZ		P 6 Ø + Q 3 D + < +
L								>) > · C D ·
N	413.50	415.00		BR	X	QZ VN		
P	420.00	430.00		PP		QZ MIZ		P 6 Ø 3 D + < +
L								> · C D · < ·
P	430.00	440.00		PP		QZ MIZ		P 5 Ø 4 D) <)
L								> · C
P	440.00	450.00		PP		QZ MIZ		P 5 Ø 4 D + < +
L								> · D · < ·
A	440.00	450.00		S1		0 5 9 1		
P	450.00	452.50		PP		QZ MIZ		P 5 Ø 4 D + < +
L								> · D · < ·
A	450.00	460.00		S1		0 6 0 1		

PP AL ANDS BRXX

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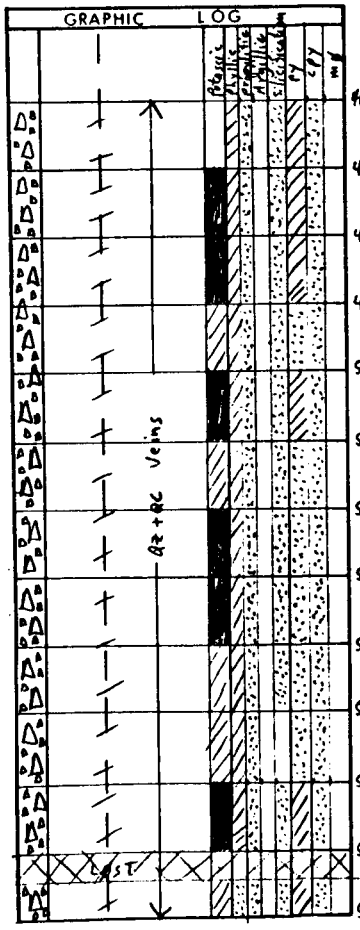
UNIQUE ID OF PROJECT	DRILL HOLE / TRAVERSE	SIZE OF CORE	LOGGED	BY	ASST.	DRILLER (S)	MONTH	YEAR	TYPE	TIME (HR)	SURVEYED	SYSTEM	GRID AZIMUTH	PAGE	OF
IDEN6B0201	M-243	DDH	73-3	AV6	89	JFB		73						6	19

DRILL COORD SYSTEM UNITS →	M/F	TOTAL DEPTH/LENGTH	AZM	V ANG	NORTHING	EASTING	ELEVATION
S	T	881.60	200.00	-60.000	-17440.00	-14300.09	4900.00

ROCK TYPE | VEINS | FRACTURES | ALTERATION | MINERALIZATION | METERAGE

GRAPHIC LOG



DESCRIPTIVE REMARKS

(452.5'-881.6') PORPHYRITIC ALTERED ANDESITE BRECCIA

Colour varies from medium greenish-grey to medium greenish-greyish-pink to medium greenish-greyish-whitish-pink.
452.5'-510': Core is bleached.
474': 2 blebs of fluorite occur in a qtz vein.

520'-530': Local fluorite blebs occur in the quartz veins.

FROM	TO	RECOV	RQD	T-MOD	% MIX	ROCK	QZ VEINS S M L TOT	FRACTURES S M L TOT	FILL IN COLUMN HEADINGS FOR HA/XX TYPE HEADINGS
									KFMSCLKASIP1P2P3MØ
									QZCBQCMCLITJAC1C2C3

A	FROM	TO	RECOV	SS Sample Serial No.	ROCK	FILL IN COLUMN HEADINGS FOR HA/XX TYPE HEADINGS
P	452.50	460.00		BR	ANDIS	>= PS Ø+ QZ3 D● <● >● D● <● >●
L						>= >· D· <· >·
P	460.00	470.00		BR	ANDIS	>= PS Ø+ QZ3 D● <● >● D· <· >·
A1	470.00	480.00		S1 0611		
P	470.00	480.00		BR	ANDIS	E8 P6 Ø+ QZ3 D● <● >● D· <· >·
L						>1 >·
A1	470.00	480.00		S1 0621		
P	480.00	490.00		BR	ANDIS	E8 P5 Ø+ QZ3 D● <● >● D· <· >·
L						>1 >·
A1	480.00	490.00		S1 0631		
P	490.00	500.00		BR	ANDIS	E4 P5 Ø+ QZ3 D· <· >· D· <· >·
L						>6 >·
A1	490.00	500.00		S1 0641		
P	500.00	510.00		BR	ANDIS	E8 P6 Ø+ QZ3 D● <● >● D· <· >·
L						>3 >·
A1	500.00	510.00		S1 0651		
P	510.00	520.00		BR	ANDIS	E6 P5 Ø+ QZ3 D· <· >· D· <· >·
L						>= >·
A1	510.00	520.00		S1 2881		
P	520.00	530.00		BR	ANDIS	E8 P5 Ø+ QZ3 D· <· >· D· <· >·
L						>= >·
A1	520.00	530.00		S1 2891		
P	530.00	540.00		BR	ANDIS	E8 P5 Ø+ QZ3 D· <· >· D· <· >·
L						>= >·
A1	530.00	540.00		S1 2901		
P	540.00	550.00		BR	ANDIS	E6 P5 Ø+ QZ3 D· <· >· D· <· >·
L						>= >·
A1	540.00	550.00		S1 2911		
P	550.00	560.00		BR	ANDIS	E6 P5 Ø+ D· <· >· D· <· >·
L						>= >·
A1	550.00	560.00		S1 2921		
P	560.00	570.00		BR	ANDIS	E8 P5 Ø+ QZ3 D) <) >) D· <· >·
L						>=
A1	560.00	570.00		S1 2931		
P	570.00	580.00		BR	ANDIS	E6 Ø+Ø+ QZ3 D● <● >● D· <·
L						>+
N	570.00	574.50		X	LØSIT	
A1	570.00	580.00		S1 2941		

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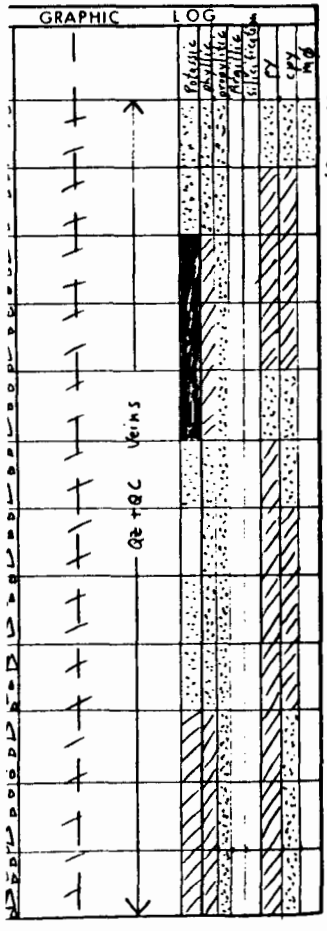
UNIQUE ID OF PROJECT	DRILL HOLE / TRAVERSE	SIZE OF CORE	LOGGED	BY	MONTH	YEAR	TYPE	TIME HR	SURVEYED	SYSTEM	GRID AZIMUTH	PAGE
TDEN6B0201	V-243	DDH	73-3	AV6	89	JFB						7 19

DRILL COORD SYSTEM UNITS → S | M/F T | TOTAL DEPTH/LENGTH 88.60 | AZM 270.00 | V ANG -60.00

NORTHING -1749.00 | EASTING -1430.09 | ELEVATION 4700.00

VEINS | FRACTURES | ALTERATION | MINERALIZATION | METERAGE

GRAPHIC LOG



DESCRIPTIVE REMARKS

680'-690': Core is locally bleached.

	FROM	TO	RECOV	RQD	T-MOD	% MIN	ROCK	CS	QZ VEINS S M L tot	FRACTURES S M L tot	FILL IN COLUMN HEADINGS FOR HA/XX TYPE HEADINGS
1 4	5 6 7 8 9 10	11 12 13 14 15 16	18 19 20		21 22 23		24 25 26 27		43 44 45 46		57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76
/											K F M S C L K A S I P1 P2 P3 M Ø
L											Q Z C B Q C MC L I J M C1 C2 C3

A

1 4	5 6 7 8 9 10	11 12 13 14 15 16	18 19 20	21 22 23	24 25 26 27	43 44 45 46	57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76
P	580.00	590.00		BR	AND S		E 2Ø+Ø+ D·<·>·D·
L							>) D·<·>·
A1	580.00	590.00		S1	295		
P	590.00	600.00		BR	AND S		E 2Ø3Ø+ D●<●>●D●
L							>+ D●<●>●
A1	590.00	600.00		S1	296		
P	600.00	610.00		BR	AND S		E 8Ø4Ø+ D●<●>●
L							>· D●<●>●
A1	600.00	610.00		S1	297		
P	610.00	620.00		BR	AND S		E 8Ø5Ø+ D●<●>●
L							>= >· D●<●>●
A1	610.00	620.00		S1	298		
P	620.00	630.00		BR	AND S		E 8Ø4Ø+ D·<·>·
L							>) D·<·>·
A1	620.00	630.00		S1	299		
P	630.00	640.00		BR	AND S		E 2Ø3Ø+ D●<●>●
L							>● >● D●<·>·
A1	630.00	640.00		S1	166		
P	640.00	650.00		BR	AND S		Ø+Ø+ D●<●>●
L							>· >· D●<●>●
A1	640.00	650.00		S1	167		
P	650.00	660.00		BR	AND S		E 2Ø3Ø+ D●<●>●
L							>● >● D●<●>●
A1	650.00	660.00		S1	168		
P	660.00	670.00		BR	AND S		E 2Ø3Ø+ D●<●>●
L							>● >● D●<●>●
A1	660.00	670.00		S1	169		
P	670.00	680.00		BR	AND S		E 4Ø4Ø+ D●<●>●
L							>= >· D·<·>·
A1	670.00	680.00		S1	170		
P	680.00	690.00		BR	AND S		E 4Ø4Ø+ D)<)>)
L							>= D·<·>·
A1	680.00	690.00		S1	171		
P	690.00	700.00		BR	AND S		E 4Ø4Ø+ D●<●>●
L							>1 >· D·<·>·
A1	690.00	700.00		S1	172		

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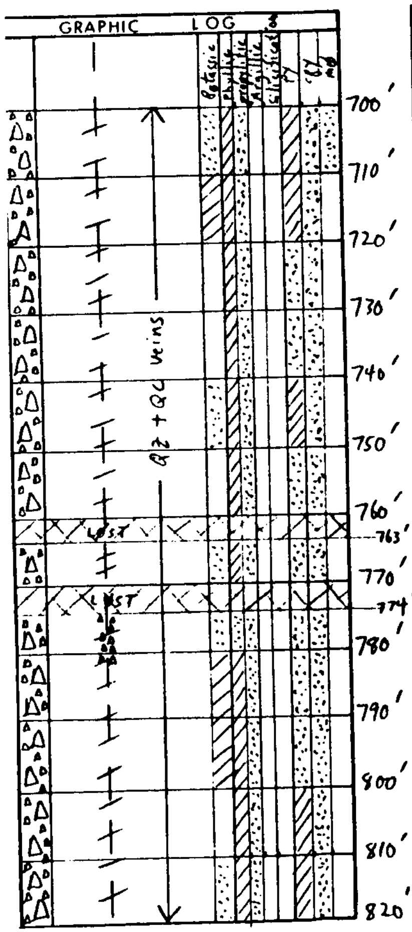
IDEN	UNIQUE ID OF PROJECT	DRILL HOLE / TRAVERSE	SIZE OF CORE	LOGGED	BY	MONTH / YEAR		
IDEN6B0201	V-243	DDH 73-3		AUG 89	JFB	73	8	19

S	DRILL COORD SYSTEM UNITS	M/F	TOTAL DEPTH/LENGTH	AZM	V. ANG	NORTHING	EASTING	ELEVATION
S		T	881.60	200.00	-60.00	-1744.00	-1430.07	4900.00

FILL IN COLUMN HEADINGS FOR HA/XX TYPE HEADINGS: K F M S C L K A S I P 1 P 2 P 3 M Ø

FRACTURES: Q Z C B Q C M C L I J A C 1 C 2 C 3



DESCRIPTIVE REMARKS

709.9′: A fluorite bleb occurs in one of the quartz veins.

1	4	FROM (5–10)	TO (11–16)	21–27	57–62	67–76
P		700 00	710 00	BR ANDS	E3Ø4Ø+	D● <● >● >·
L					>+	D· <· >·
A	1	700 00	710 00	S1173		
P		710 00	720 00	BR ANDS	E4P5Ø+	D) <) >)
L					>+	D· <· >·
A	1	710 00	720 00	S1174		
P		720 00	730 00	BR ANDS	P5Ø+	D· <· >·
L					>+ >●	D· <· >·
A	1	720 00	730 00	S1175		
P		730 00	740 00	BR ANDS	P5Ø+	D· <· >·
L					>) >)	D· <· >·
A	1	730 00	740 00	S1326		
P		740 00	750 00	BR ANDS	E2P5Ø+	D● <● >●
L					>) >·	D· <· >·
A	1	740 00	750 00	S1327		
P		750 00	760 00	BR ANDS	P5Ø+	D· <· >·
L					>● >·	D· <·
A	1	750 00	760 00	S1328		
P		760 00	770 00	BR ANDS	E2P5Ø+	D· <· >·
L					>) >·	D· >·
N		760 00	763 00	XLØST		
A	1	760 00	770 00	S1329		
P		770 00	780 00	BR ANDS	E2Ø3Ø+	D· <· >·
L					>1	D· <· >·
D		770 00	780 00	BR		
N		770 00	774 00	XLØST		
A	1	770 00	780 00	S1300		
P		780 00	790 00	BR ANDS	E4P5Ø+	D· <· >·
L					>2 >·	D· <· >·
D		780 00	780 60	BR		
A	1	780 00	790 00	S1156		
P		790 00	800 00	BR ANDS	E4P5Ø+	0· <· >·
L					>2 >·	D· <· >·
A	1	790 00	800 00	S1157		
P		800 00	810 00	BR ANDS	P5Ø+	D● <● >●
L					>2 >·	D· <· >·
A	1	800 00	810 00	S1158		

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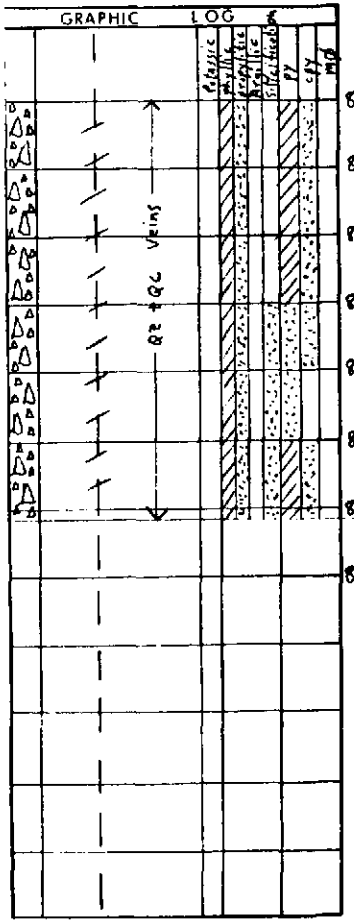
ROCK TYPE | VEINS | FRACTURES | ALTERATION | MINERALIZATION | METERAGE

GRAPHIC LOG



DESCRIPTIVE REMARKS

830.2': A thin stringer of fluorite is present here.

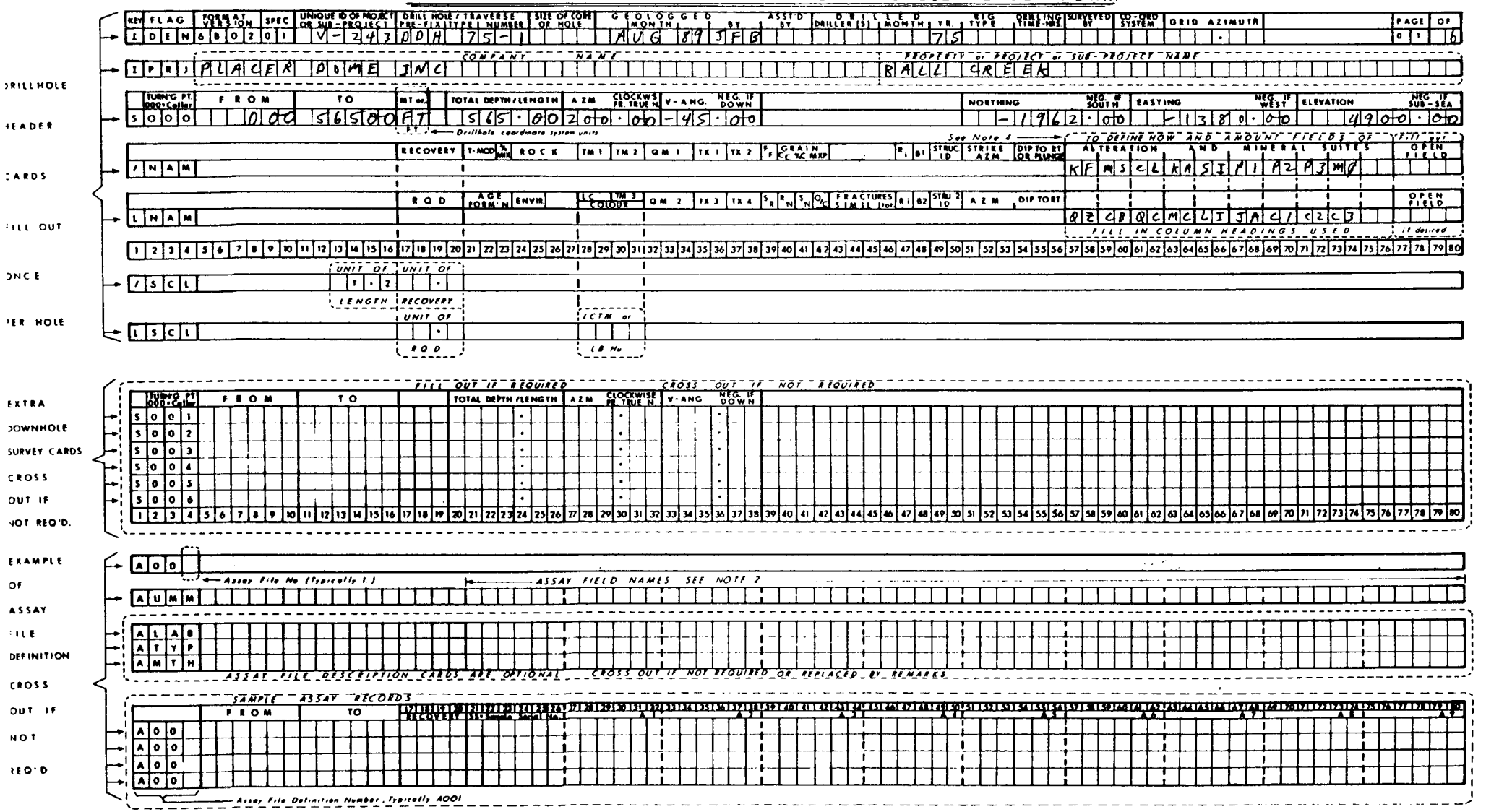
DRILL COORD SYSTEM UNITS	TOTAL DEPTH/LENGTH	AZM	V ANG	NORTHING	EASTING	ELEVATION
M/F						
	881.60	200.00	-60.00	-1744.00	-1430.09	490.00

FROM	TO	RECOV	RQD	T-MOD	% MOD	ROCK	CS	QZ VEINS S M L TOT	FRACTURES S M L TOT	FILL IN COLUMN HEADINGS FOR HA/XX TYPE HEADINGS
										KF MS CL KM SI PI P2 P3 MØ
										GZ CB QC MC LI JA C1 C2 C3

A	FROM	TO	RECOV	RQD	SS Sample Serial No.	T-MOD	% MOD	ROCK	QZ VEINS S M L TOT	FRACTURES S M L TOT	FILL IN COLUMN HEADINGS FOR HA/XX TYPE HEADINGS
P	810.00	820.00				BR		MNDIS			E2 P5 Ø3 D) <) >)
L											>2 >) D- <· >·
A1	810.00	820.00				5	1	1 59			
P	820.00	830.00				BR		MNDIS			>1 Ø4 Ø3 D● <● >●
L											>) >) D-
A1	820.00	830.00				5	1	1 60			
P	830.00	840.00				BR		MNDIS			>= Ø4 Ø3 D● <● >●
L											>· >· D·
A1	830.00	840.00				5	1	1 61			
P	840.00	850.00				BR		MNDIS			>1 Ø4 Ø3 D● <● >●
L											>· >· D·
A1	840.00	850.00				5	1	1 62			
P	850.00	860.00				BR		MNDIS		Q3	>) Ø4 Ø3 D· <· >·
L											>· >· D·
A1	850.00	860.00				5	1	1 63			
P	860.00	870.00				BR		MNDIS		Q3	>) P5 Ø3 D· <· >·
L											>) >·
A1	860.00	870.00				5	1	1 64			
P	870.00	881.60				BR		MNDIS		Q3	>) P5 Ø3 D● <● >●
L											>) >· D·
A1	870.00	881.60				5	1	1 65			

SP 1988

PLACER DOME INC. GEOLOG DRILLHOLE HEADER FORM



DRILLHOLE HEADER CARDS FILL OUT ONCE PER HOLE

EXTRA DOWNHOLE SURVEY CARDS CROSS OUT IF NOT REQ'D.

EXAMPLE OF ASSAY FILE DEFINITION CROSS OUT IF NOT REQ'D

Notes

1 - Do not change /NAM, LNAM, /SCL, LSCL, or AUMM card definitions durin a project. Blanks may be changed howe.

2 - On AUMM card, right adjust names so that R H 4 letters make sense. They will be " stats" header names.

3 - Units of distance on 5000 card are for survey coordinates, those on /SCL card are for downhole distances.

4 - To define XX type field put XX in upper tier, lower tier then becomes corresponding How and amount field

5 - If additional "S" or "A" cards are required use another header form and cross out unwanted portions or enter "S" or "A" cards on keypunched portion on Form 7.

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Geolog Form 3)

UNIQUE ID OF PROJECT	DRILL HOLE / TRAVERSE	SIZE OF CORE	LOGGED	BY	ASST'S	DRILLER (S)	MONTH	YEAR	TYPE	FINAL HOLE	SURVEYED	SYSTEM	GRID AZIMUTH	PAGE
IDEN6802 01	V-243	DDH	MVG	JFB			7	75						2 16

DRILL COORD SYSTEM UNITS →	M/F	TOTAL DEPTH/LENGTH	AZM	V ANG	NORTHING	EASTING	ELEVATION
S	T	565.00	200.00	-45.00	-1962.00	-1380.00	490.00

ROCK TYPE | VEINS | FRACTURES | ALTERATION | MINERALIZATION | METERAGE

GRAPHIC LOG

DESCRIPTIVE REMARKS
(0'-21') OVERBURDEN
(21'-353') ALTERED ANDESITE
Colour varies from medium to light greenish-greyish-orange to greenish-greyish-whitish-orange.
21'-260': Bar work texture is present.
21'-353': Core is bleached intensely.

FROM	TO	RECOV	RQD	T-MOD	% MIN	ROCK	CS	QZ VEINS S M L tot	FRACTURES X M L tot	FILL IN COLUMN HEADINGS FOR HA/XX TYPE HEADINGS
1 4 5 6 7 8 9 10	11 12 13 14 15 16	18 19 20	RECOV	21 22 23		24 25 26 27		43 44 45 46	27 28 29 30 31	57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76
										KF MSCLKASIPIP2P3MØ
										QZCBQCMCCUIJACIC2C3

A	FROM	TO	SS Sample Serial No	27	ROCK	57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76
P	0 0 0	2 1 0 0			ØVBD	
P L	2 1 0 0	3 0 0 0			AL ANDS	Ø+Ø+ C D·
P L	3 0 0 0	4 0 0 0			AL ANDS	Ø3 C D+<+
A 1 P L	3 0 0 0	4 0 0 0	S 1	0 6 6	AL MNDS	Ø+Ø+ C D=<=
A 1 P L	4 0 0 0	5 0 0 0	S 1	0 6 7	AL ANDS	Ø+Ø+ QC3 D)<)
A 1 P L	5 0 0 0	6 0 0 0	S 1	0 6 8	AL MNDS	Ø)Ø+ QC3 D)<)
A 1 P L	6 0 0 0	7 0 0 0	S 1	0 6 9	AL ANDS	Ø+Ø3 QC3 D·<·
A 1 P L	7 0 0 0	8 0 0 0	S 1	0 7 0	AL ANDS	Ø+Ø+ QC3 D+<+
A 1 P L	8 0 0 0	9 0 0 0	S 1	0 7 1	AL ANDS	Ø+Ø+ PXC D+<+
A 1 P L	9 0 0 0	10 0 0 0	S 1	0 7 2	AL ANDS	Ø)Ø+ QC7 D)<)
A 1 P L	10 0 0 0	11 0 0 0	S 1	0 7 3	AL ANDS	Ø+Ø+ QC7 D)<) D·
A 1	11 0 0 0	12 0 0 0	S 1	0 7 4		

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Geolog Form 3)

UNIQUE ID OF PROJECT	DRILL HOLE / TRAVERSE	SIZE OF CORE	LOGGED	BY	ASST'D	DRILLER (S)	MONTH	YEAR	TYPE	TIME - HRS	SURVEYED	SYSTEM	GRID AZIMUTH	PAGE
IDEN6802	W-243	DDH	75-11	AVG	JFB			75						3 of 6

DRILL COORD SYSTEM UNITS → M/F T | TOTAL DEPTH/LENGTH 5651.000 | AZM 200.000 | V ANG -45.000 | NORTHING -19162.000 | EASTING -13800.000 | ELEVATION 4900.000

ROCK TYPE	VEINS	FRACTURES	ALTERATION	MINERALIZATION	METERAGE

GRAPHIC LOG

Argillic, Propylitic, Argillic Intense, Kaolinite, Py, Cpy, Mgt

FROM	TO	RECOV	RQD	RECOV	T-MOD	% MIX	ROCK	QZ VEINS S	M	L	tot	FRACTURES S	M	L	tot	FILL IN COLUMN HEADINGS FOR HA/XX TYPE HEADINGS
																KF MS CL KA SI P1 P2 P3 MØ
							CS									QZ CB QC MC LI JA C1 C2 CJ

SS Sample Serial No

DESCRIPTIVE REMARKS	FROM	TO	T-MOD	% MIX	ROCK	QZ VEINS	FRACTURES	FILL IN COLUMN HEADINGS FOR HA/XX TYPE HEADINGS
	120.00	130.00	AL		ANDIS		Ø) Ø)	PX D· PC
	127.50	129.00	BR					
	120.00	130.00			S1 0751			
	130.00	140.00	AL		ANDIS		Ø3	QZ D+ <+ QC
	130.00	131.50	BR					
	130.00	140.00			S1 0761			
	140.00	150.00	AL		ANDIS		Ø3	QZ D+ <+ QC
	140.00	150.00			S1 0771			
	150.00	160.00	AL		ANDIS		Ø) Ø3	QZ D+ <+ QC
	150.00	160.00			S1 0781			
	160.00	170.00	AL		ANDIS		Ø+ Ø3	QZ D+ <+ QC
	160.00	170.00			S1 0791			
	170.00	180.00	AL		ANDIS		Ø) Ø3	QZ D+ <+ QC
	170.00	180.00			S1 0801			
	180.00	190.00	AL		ANDIS	>·	Ø+	QZ D+ <+ >+ QC
	180.00	190.00			S1 0811			
	190.00	200.00	AL		ANDIS		Ø+	QZ D) <) QC
	190.00	200.00			S1 0821			
	200.00	210.00	AL		ANDIS		Ø) Ø3	QZ D+ <+ QC
	200.00	210.00			S1 0831			
	210.00	220.00	AL		ANDIS		Ø+ Ø+	QZ D) <) QC
220'-230': local brecciation.	210.00	220.00			S1 0841			
	220.00	230.00	AL		ANDIS		Ø+ Ø+	QZ D) <) QC
	220.00	230.00			S1 0851			
	230.00	240.00	AL		ANDIS		Ø) Ø3	QZ D) <) QC
	230.00	240.00			S1 0861			

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UNIQUE ID OF PROJECT	DRILL HOLE / TRAVERSE	SIZE OF CORE	LOGGED	BY	ASSAY ID	INCLINATION	AZIMUTH	YEAR	TYPE	TIME HRS	SURVEYED	SYSTEM	GRID AZIMUTH	PAGE
I D E N 6 8 0 2 0 1	M-243	DDH	75-11	AV6	89	JFB			75					4 16

DRILL COORD SYSTEM UNITS →	M / F	TOTAL DEPTH/LENGTH	AZM	V ANG	NORTHING	EASTING	ELEVATION
S	T	515.00	204.00	-45.00	-11962.00	-13800.00	490.00

	FROM	TO	RECOV	T-MOD	% MIX	ROCK	QZ VEINS S M L TOT	FILL IN COLUMN HEADINGS FOR HA/XX TYPE HEADINGS
1 4	5 6 7 8 9 10	11 12 13 14 15 16	18 19 20	21 22 23		24 25 26 27	43 44 45 46	57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76
/								K F M S C L K A S I P 1 P 2 P 3 M Ø
L		RQD	RECOV	CS			FRACTURES S M L TOT	Q 2 C B Q C M C L I J A C 1 C 2 C 3

VEINS | FRACTURES | ALTERATION | MINERALIZATION | METERAGE

GRAPHIC LOG

Argillic, phyllic, propylitic, silicification, PY, CPY, MO

240′ 242.8 250′ 253.3 260′ 270′ 280′ 290′ 300′ 310′ 320′ 330′ 340′ 350′ 353′ 360′

DESCRIPTIVE REMARKS

(353'-389') ANDESITE LAPILLI TUFF

Colour is medium greenish-greyish-orange.

1 4	5 6 7 8 9 10	11 12 13 14 15 16	18 19 20	21 22 23	24 25 26 27	43 44 45 46	57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76
P	2400.00	2500.00		AL	ANDIS		Ø4 C D+<+
L							
M	2400.00	2428.00		X	LØSIT		
MI	2400.00	2500.00		SI	0871		
P	2500.00	2600.00		AL	ANDIS		Ø+ C D+<+
L							
M	2500.00	2533.00		X	LØSIT		
MI	2500.00	2600.00		SI	0881		
P	2600.00	2700.00		AL	ANDIS		Ø) Ø) Q7 C D+<+
L							
MI	2600.00	2700.00		SI	0891		
P	2700.00	2800.00		AL	ANDIS		Ø) Ø) Q7 C D=<=
L							
MI	2700.00	2800.00		SI	0901		
P	2800.00	2900.00		AL	ANDIS		Ø) Q7 C D=<=
L							
MI	2800.00	2900.00		SI	0911		
P	2900.00	3000.00		AL	ANDIS		Q7 C D=<=
L							
MI	2900.00	3000.00		SI	0921		
P	3000.00	3100.00		AL	ANDIS		C D=<=
L							
MI	3000.00	3100.00		SI	0931		
P	3100.00	3200.00		AL	ANDIS		Ø) Q3 C D=<=
L							
MI	3100.00	3200.00		SI	0941		
P	3200.00	3300.00		AL	ANDIS		Ø) PX C D=<=
L							
MI	3200.00	3300.00		SI	0951		
P	3300.00	3400.00		AL	ANDIS		PX C D=<=
L							
MI	3300.00	3400.00		SI	0961		
P	3400.00	3500.00		AL	ANDIS		PX C D=<= D·
L							
MI	3400.00	3500.00		SI	0971		
P	3500.00	3533.00		HL	ANDIS		Ø) Ø) Q3 C D=<=
L							
MI	3500.00	3600.00		SI	0981		

ANDS TFLP

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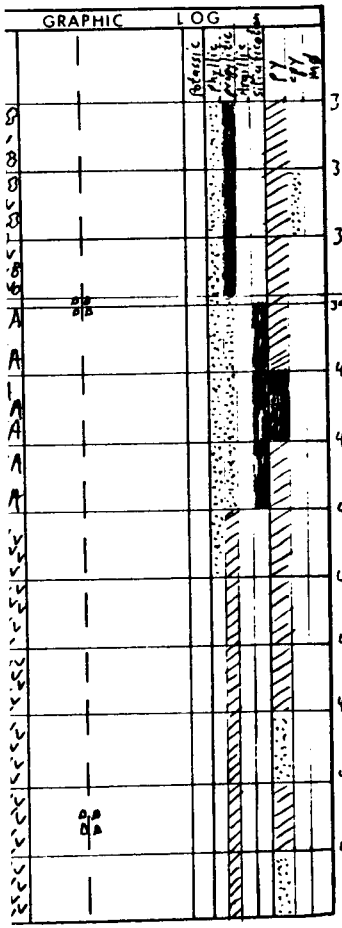
UNIQUE ID OF PROJECT	DRILL HOLE / TRAVERSE	SIZE / CORE	LOGGED	BY	ASSIST	DRILLER (S)	MONTH	YEAR	TYPE	TIME - HRS	SURVEYED	SYSTEM	GRID AZIMUTH	PAGE
IDEN6B0201 V-243	DDH 75-11		A U G 8 9	J F B				75						5 6

DRILL COORD SYSTEM UNITS →	M / F	TOTAL DEPTH/LENGTH	AZM	V ANG	NORTHING	EASTING	ELEVATION
S	T	565.00	200.00	-45.00	-1962.00	-1380.00	490.00

	FROM	TO	RECOV	T-MOD	% MDC	ROCK	QZ VEINS S M L tot	FILL IN COLUMN HEADINGS FOR HA/XX TYPE HEADINGS
1 4	5 6 7 8 9 10	11 12 13 14 15 16	18 19 20	21 22 23	24 25 26 27	43 44 45 46	57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76
/			RQD		CS	FRACTURES S M L tot	K F M S C L K A S I P 1 P 2 P 3 M Ø
L			RECOV	SS Sample Serial No	27 28 29 30 31 32		Q 2 C B Q C MC L I J A C 1 C 2 C 3

VEINS | FRACTURES | ALTERATION | MINERALIZATION | METERAGE

GRAPHIC LOG



DESCRIPTIVE REMARKS
(399'-420') ALTERED ANDESITE
Colour is light greenish-greyish-orange.
389'-420': Core is bleached.
(420'-553') ANDESITE
Colour is medium greenish-greyish-orange.
420'-430': Core is lightly bleached.
450'-470': Core is locally bleached.

A	1 4	5 6 7 8 9 10	11 12 13 14 15 16	18 19 20	21 22 23	24 25 26 27	43 44 45 46	57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76
P		353.00	360.00		AN	TFLP		Ø) P7 C D+<+
L								
P		360.00	370.00		AM	TFLP		Ø) P7 C D)<)
L								
A	1	360.00	376.00		S1	0991		
P		370.00	380.00		AN	TFLP		Ø) P7 C D)<)
L								D-
A	1	370.00	380.00		S1	1001		
P		380.00	389.00		AM	TFLP		Ø) P7 C D)<)
L								
P		389.00	390.00		AL	ANDIS		Ø) Ø3 C D)<)
L								
b		389.00	390.00		BR			
P		390.00	400.00		AL	ANDIS		Ø) Ø3 C PX D)<)
L								
D		390.00	398.00		BR			
A	1	390.00	400.00		S1	2011		
P		400.00	410.00		AL	ANDIS		Ø+Ø) C PX D+<+
L								
A	1	400.00	410.00		S1	2021		
P		410.00	420.00		AL	ANDIS		Ø) Ø) C PX D)<)
L								
A	1	410.00	420.00		S1	2031		
P		420.00	430.00			ANDIS		Ø+Ø4 C D)<)
L								
A	1	420.00	430.00		S1	2041		
P		430.00	440.00			ANDIS		P5 C D)<)
L								
A	1	430.00	440.00		S1	2051		
P		440.00	450.00			ANDIS		P5 C D)<)
L								
P		450.00	460.00			ANDIS		P5 C D●<●
L								
P		460.00	470.00			ANDIS		P5 C D)<)
D		463.50	466.80		BR			
P		470.00	480.00			ANDIS		P5 C D●<●
L								

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ROCK TYPE | VEINS | FRACTURES | ALTERATION | MINERALIZATION | METERAGE

UNIQUE ID OF PROJECT	DRILL HOLE / TRAVERSE	SIZE OF CORE	LOGGED BY	DRILLER ID	MONTH	YEAR	TYPE	STAT. TEST	SURVEY ID	SYSTEM	GRID ALIGNMENT	PAGE	OF
IDEN6B0201	V-243	DD	H	75	-	1	MUG	89	JFB			75						1	6

DRILL COORD SYSTEM	UNITS	M / F	TOTAL DEPTH/LENGTH	AZM	V ANG	NORTHING	EASTING	ELEVATION
S			565.000	270.000	-45.000	-19620.000	-13860.000	490.000

	FROM	TO	RECOV.	T-MOD	% MD	ROCK	QZ VEINS S M L Tot	FILL IN COLUMN HEADINGS FOR HA/2X TYPE HEADINGS
1 4	5 6 7 8 9 10	11 12 13 14 15 16	18 19 20	21 22 23	24 25 26 27	43 44 45 46	57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76
/							K F M S C L K A S I P1 P2 P3 M∅
L			RQD		CS	FRACTURES S M L Tot	QZ C B QC MC CL I J A C1 C2 C3

RECOV | SS Sample Serial No | 27 28 29 30 31

A

GRAPHIC LOG

Abasic | Phyllic | Propylitic | Argillic | Silicification | Py | Cpy | Mg

480' 484' 490' 494' 500' 510' 520' 530' 540' 550' 553' 560' 565' 570'

DESCRIPTIVE REMARKS

1 4	5 6 7 8 9 10	11 12 13 14 15 16	18 19 20	21 22 23	24 25 26 27	43 44 45 46	57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76	DESCRIPTIVE REMARKS
PL	480.00	496.00			AND S		PS C	D·<·
N	480.00	484.00		X	LØST			
PL	490.00	500.00			AND S		PS C	D·<·
N	490.00	494.00		X	LØST			
D	499.50	500.00		BR				
P	500.00	510.00			AND S		PS C	D)<)
D	500.00	504.20		BR				
P	510.00	520.00			AND S		PS C	D)<)
L							>·	D·
P	520.00	530.00			AND S		PS C	D)<)
L								
P	530.00	540.00			AND S		PS C	D)<)
L								
P	540.00	550.00			AND S		PS C	D)<)
L								
P	550.00	553.00			AND S		PS C	D)<)
L								
P	553.00	560.00			FAUL			
P	560.00	565.00			FAUL			

440'-510': Core is locally bleached.

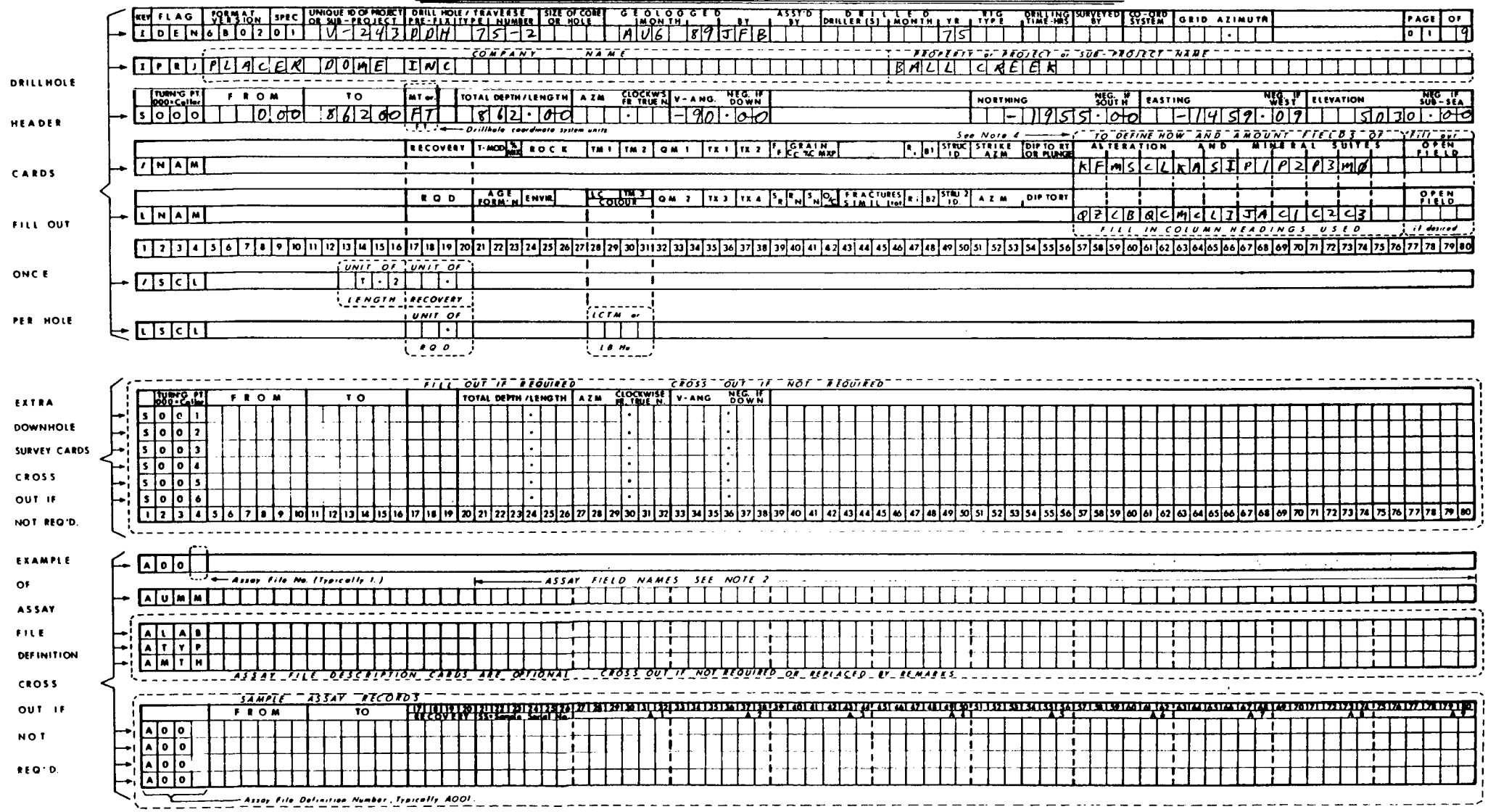
(553'-565') FAULT

Core is now missing, however, a fault was recorded in the 1975 drill log.

1 4 | 5 6 7 8 9 10 | 11 12 13 14 15 16 | 18 19 20 | 21 22 23 | 24 25 26 27 | 43 44 45 46 | 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76

SP 1988

PLACER DOME INC. GEOLOG DRILLHOLE HEADER FORM



Notes:

1. - Do not change /NAM, LNAM, /SCL, LSCL, or AUMM card definitions durin a project. Blanks may be changed howe.
2. - On AUMM card, right adjust names so that R H 4 letters make sense. They will be "stats" header names.
3. - Units of distance on 5000 card are for survey coordinates, those on /SCL card are for downhole distances.
4. - To define XX type field put XX in upper tier, lower tier then becomes corresponding How and amount field.
5. - If additional "S" or "A" cards are required use another header form and cross out unwanted portions or enter "S" or "A" cards on keypunched portion on Form 2.

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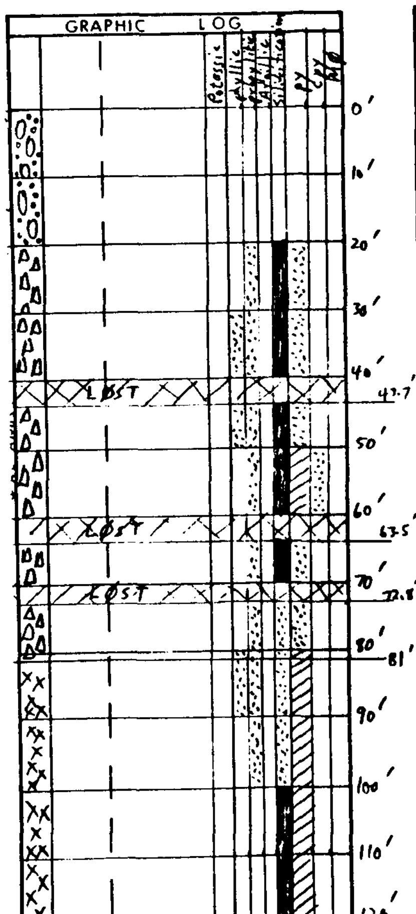
(Geolog Form 3)

IDEN6B0201	Unique ID of project: V-243	Drill hole / traverse: 00H 75-2	Size of core:	Logged: AUG 89	By: JFB	Year: 75		Page 2 / 9
S	Drill coord system units → M/F: T	Total depth/length: 862.00	AZM: .	V ANG: -90.00	Northing: -1955.00	Easting: -1159.09	Elevation: 5030.06	

FILL IN COLUMN HEADINGS FOR HA/XX TYPE HEADINGS: KF MS CL KM SI P1 P2 P3 M0 / QZ CB QC MC LI JA C1 C2 C3



DESCRIPTIVE REMARKS

(0'– 20') OVERBURDEN

(20'– 81') ALTERED ANDESITE AND ALTERED ANDESITE BRECCIA.
Colour is light greenish-greyish-whiteish-orange.
20'– 200': Core is bleached by a variable amount.
20'– 120': Boxwork texture is present.

(81'– 243') QUARTZ MONZONITE PORPHYRY
Colour is light greenish-greyish-orange.
81'– 130': Fragments of altered andesite are present.

Code (1, 4)	From (5–10)	To (11–16)	Recov / SS Sample Serial No (18–23)	T-Mod (21–23)	Rock (24–27)	58–64	65–70
P	0 00	20 00			ØVBD		
P	20 00	30 00		BR	ANDS	Ø+	PXD·
L							C
P	30 00	40 00		BR	ANDS	Ø) Ø3	PXD●
L							C
M 1	30 00	40 00	51206				
P	40 00	50 00		BR	ANDS	Ø) Ø+	PXD)
L							C
N	40 00	43 70		X	LØST		
M 1	40 00	50 00	51207				
P	50 00	60 00		BR	ANDS	Ø+	PXD)<)
L							C D·
P	60 00	70 00		BR	ANDS	Ø)	PXD●<●
L							C
N	60 00	63 50		X	LØST		
P	70 00	80 00		BR	ANDS	Ø+	Q3D·
L							C
N	70 00	72 80		X	LØST		
P	80 00	81 00		BR	ANDS	Ø) Ø)	Q3D)<)
L							C
P	81 00	90 00		PP	QZMZ	Ø) Ø)	Q3D)<)
L							C
P	90 00	100 00		PP	QZMZ	Ø)	Q3D)<)
L							C
P	100 00	110 00		PP	QZMZ		Q7D)<)
L							C
P	110 00	120 00		PP	QZMZ		Q7D)<)
L							C

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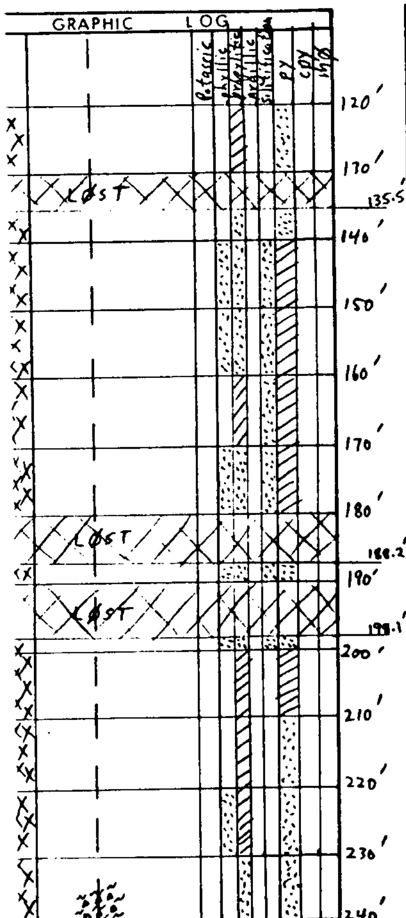
(Geolog Form 3)

IDEN	Unique ID of Project	Drill Hole / Traverse	Logged	By	Year	Page
6B0201	V-243	DDH 75-2	AUG 89	JFB	75	3 / 9

S	Drill coord system units	M/F	Total depth/length	AZM	V ANG	Northing	Easting	Elevation
S		T	862.00	.	-90.00	-1955.00	-1459.09	5030.00

ROCK TYPE — VEINS — FRACTURES — ALTERATION — MINERALIZATION — METERAGE

GRAPHIC LOG



Column headings (HA/XX type headings, cols 57–76):

1	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74
/	K	F	M	S	C	L	K	A	S	I	P	I	P	2	P	3	M	Ø
L	Q	Z	C	B	A	C	M	C	L	I	J	A	C	I	C	2	C	3

Descriptive remarks	1	4	From	To	T-Mod	% Mix	Rock	59–60	61–62	65–66	67–68	69–70
	P		120.00	130.00	PP		QZMZ		P5		D)	
	L									C		
	P		130.00	140.00	PP		QZMZ		Ø3		D·	
	L									C		
	N		130.00	135.50		X	LØST					
140'-150': Fragments of silicified altered andesite are present.	P		140.00	150.00	PP		QZMZ	Ø)	Ø3	Q3	D)	<)
	L									C		
	P		150.00	160.00	PP		QZMZ	Ø+	Ø3	Q3	D)	<)
	L									C		
	P		160.00	170.00	PP		QZMZ		Ø4	Q3	D+	
	L									C		
	A	1	160.00	170.00	S	1	208					
	P		170.00	180.00	PP		QZMZ	Ø+	Ø3	Q3	D)	
	L									C		
	A	1	170.00	180.00	S	1	209					
	P		180.00	170.00	PP		QZMZ	Ø+	Ø3	Q3	D·	
	L									C		
	N		180.00	188.20		X	LØST					
	P		190.00	200.00	PP		QZMZ	Ø)	Ø3	Q3	D·	
	L									C		
	N		190.00	198.10		X	LØST					
	P		200.00	210.00	PP		QZMZ		Ø4		D)	<)
	L									C		
	P		210.00	220.00	PP		QZMZ	·	Ø4		D·	<·
	L									C	C	
	P		220.00	230.00	PP		QZMZ	Ø)	P5		D●	<●
	L									C	C	
	P		230.00	240.00	PP		QZMZ		Ø3		D·	<·
	L									C	C	
235.5'-240': Sheared and brecciated.	N		235.50	240.00	S5	X	SHER					

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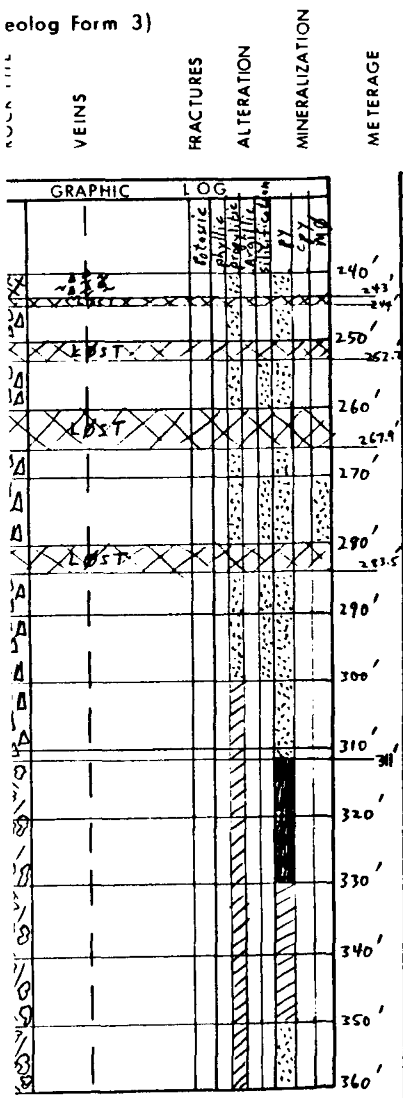
(Geolog Form 3)

IDEN	UNIQUE ID OF PROJECT	DRILL HOLE / TRAVERSE	SIZE OF CORE	LOGGED	BY	MONTH	YEAR	PAGE	OF
6B0201	V-243	DDH 75-2		AUG 89	JFB		75	4	9

S	DRILL COORD SYSTEM UNITS	M/F	TOTAL DEPTH/LENGTH	AZM	V ANG	NORTHING	EASTING	ELEVATION
		T	862.00	.	-90.00	-1955.00	-1459.09	5030.00

FILL IN COLUMN HEADINGS FOR HA/XX TYPE HEADINGS: / KF MS CL KA SI PI P2 P3 MØ; L QZ CB QC MC LI JA C1 C2 C3

RECOV / RQD; T-MOD; % MIX; ROCK / CS; QZ VEINS S M L tot; FRACTURES S M L tot



DESCRIPTIVE REMARKS

240' - 243' : Sheared and brecciated.

(243' - 311') ALTERED ANDESITE AND ALTERED ANDESITE BRECCIA.
Colour is medium to light greenish - greyish - orange.
250' - 260' : Core is locally bleached.

270' - 300' : Core is locally bleached.

(311' - 590') DACITE LAPILLI TUFF
Colour varies from dark to medium greenish - greyish - orange to dark greenish - grey to dark greenish - black.

1	4	FROM (5–10)	TO (11–16)	21–23	ROCK (24–27)	61–62	65–66	67–70	73–74
P		240 00	243 00	PP	QZMZ	Ø3		D·<·	
L							C	C	
N		240 00	243 00	SSX	SHER				
P		243 00	250 00	BR	ANDS	Ø3		D·	
L							C	C	
N		243 00	244 00	X	LØST				
P		250 00	260 00	BR	ANDS	Ø3	Q3	D·	
L							C	C	
N		250 00	252 20	X	LØST				
P		260 00	270 00	BR	ANDS	Ø3		D·	
L							C		
N		260 00	267 90	X	LØST				
P		270 00	280 00	BR	ANDS	Ø3	Q3	D●	D·
L							C	C	
A	1	270 00	280 00	S1	210				
P		280 00	290 00	BR	ANDS	Ø)	Q3	D●	
L							C	C	
N		280 00	283 50	X	LØST				
P		290 00	300 00	BR	ANDS	Ø+	Q3	D●	
L							C	C	
A	1	290 00	300 00	S1	211				
P		300 00	310 00	BR	ANDS	Ø4		D·	
L							C	C	
P		310 00	311 00	BR	ANDS	Ø4		D·	
L							C	C	
P		311 00	320 00	TL	DACT	P6		D+<+	
L							C		
P		320 00	330 00	TL	DACT	P6		D+<+	
L							C		
A	1	320 00	330 00	S1	212				
P		330 00	340 00	TL	DACT	P6		D)<)	
L							C		
A	1	330 00	340 00	S1	213				
P		340 00	350 00	TL	DACT	P6		D)<)>)	
L						>·	C		
P		350 00	360 00	TL	DACT	P6		D·<·	
L							C		

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IDEN	UNIQUE ID OF PROJECT	DRILL HOLE / TRAVERSE	SIZE OF CORE	LOGGED
IDEN6B0201	V-243	DDH 75-2		AUG 89

S	DRILL COORD SYSTEM UNITS → M/F	TOTAL DEPTH/LENGTH	AZM	V ANG
S	T	862.00	.	-90.

YEAR	NORTHING	EASTING	ELEVATION	
75	-1955.00	-1459.09	5030.00	5 19

FILL IN COLUMN HEADINGS FOR HA/XX TYPE HEADINGS: 57–74: K F M S C L K A S I P 1 P 2 P 3 M Ø; Q Z C B Q C M C L I J A C 1 C 2 C 3

ROCK TYPE — VEINS — FRACTURES — ALTERATION — MINERALIZATION — METERAGE

GRAPHIC LOG (Potassic, Phyllic, Propylitic, Argillic, Silicification; PY, CPY, MØ)

Meterage: 360′, 370′, 380′, 390′, 400′, 410′, 420′, 430′, 440′, 450′, 460′, 470′, 480′

DESCRIPTIVE REMARKS

390′–400′: Minor rusty stringers are present.

400′–410′: Minor rusty stringers and gashes are present.

410′–420′: Several rusty stringers and gashes are present.

430′–450′: Local bleaching occurs.
430′–440′: Minor rusty stringers and gashes are present.
433′–440′: Intensely brecciated, locally silicified and bleached.
440′–445.7′: Intensely brecciated, locally silicified and bleached.

460′–470′: Local bleaching occurs.
465.4′–466.6′: Intensely brecciated and bleached.

1	4	6	10	TO (11–16)	T-MOD (21–23)	ROCK (24–27)	61–62	65–66	67–70
P		3	0	37000	TL	DACT	P6		0+<+
L								C	
P		3	0	38000	TL	DACT	P6		D+<+
L								C	
P		3	0	39000	TL	DACT	P6		D=<=
L								C	
P			0	40000	TL	DACT	P6		D=<=
L								C	
P		4	0	41000	TL	DACT	P6		D=<=
L								C	
P		4	0	42000	TL	DACT	P6		0=<=
L								C	
P		4	0	43000	TL	DACT	P6		D+<+
L								C	D•
P		4	0	44000	TL	DACT	P5	Q3	D)<)
L								C	
D		4	0	44000	BR				
P		4	0	45000	TL	DACT	P6	Q3	D)<)
L								C	
D		4	0	44570	BR				
P		4	0	46000	TL	DACT	P6		D+<+
L								C	
A	1	4	0	46000	S1	332			
P		4	0	47000	TL	DACT	P5		D=<=
L								C	
D		4	0	46660	BR				
A	1	4	0	47000	S1	333			
P		4	0	48000	TL	DACT	P6		D=<=
L								C	
A	1	4	0	48000	S1	334			

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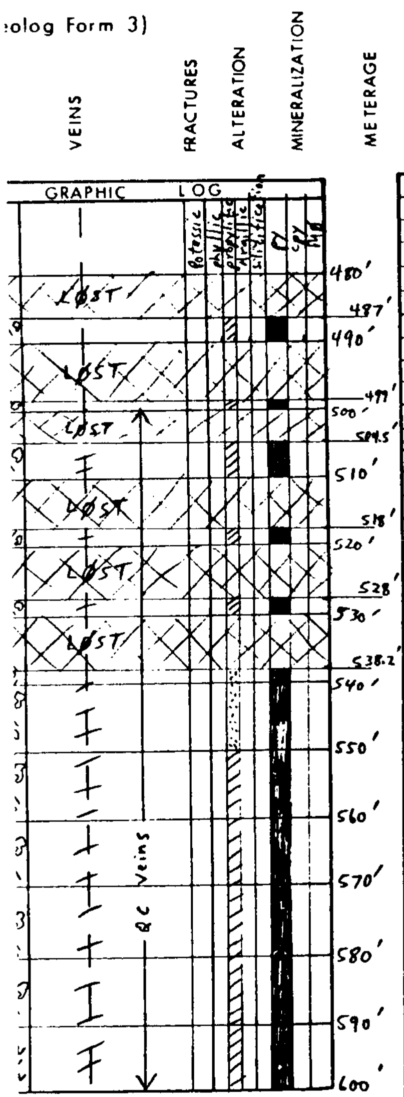
IDEN	Unique ID of project	Drill hole / traverse	Size of core	Logged	By	Year		
6B0201	V-243	DDH 75-2		AUG 89	JFB	75	6	9

S	Drill coord system units M/F	Total depth/length	Azm	V ang	Northing	Easting	Elevation
	T	862.00	.	-90.00	-1955.00	-1459.09	5030.00

		FROM	TO	RECOV	T-MOD	%/MIX	ROCK	QZ VEINS S M L tot	FILL IN COLUMN HEADINGS FOR HA/XX TYPE HEADINGS
1	4	5 6 7 8 9 10	11 12 13 14 15 16	18 19 20	21 22	23	24 25 26 27	43 44 45 46	57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76
/									K F M S C L K A S I P 1 P 2 P 3 M Ø
				RQD			CS	FRACTURES S M L tot	
L									Q Z C B Q C M C L I J A C 1 C 2 C 3
				RECOV	SS Sample Serial No			27 28 29 30 31 32	



DESCRIPTIVE REMARKS	1 (A)	4	FROM (5–10)	TO (11–16)	21	22	23	24	25	26	27	61	62	65	67	68	69	70
	P		480.00	490.00	T	L		D	A	C	T	P	6		D	=	<	=
	L													C				
	N		480.00	487.00			X	L	Ø	S	T							
	A	1	480.00	490.00		5	1	3	3	5								
	P		490.00	500.00	T	L		D	A	C	T	P	6		D	1	<	1
	N		490.00	499.00			X	L	Ø	S	T							
	A	1	490.00	500.00		5	1	3	3	6								
	P		500.00	510.00	T	L		D	A	C	T	P	5		D	=	<	=
	L											>	·		C			
	N		500.00	504.50			X	L	Ø	S	T							
	A	1	500.00	510.00		5	1	3	3	7								
	P		510.00	520.00	T	L		D	A	C	T	P	5		D	+	<	+
	L											>	·		C			
	N		510.00	518.00			X	L	Ø	S	T							
	A	1	510.00	520.00		5	1	3	3	8								
	P		520.00	530.00	T	L		D	A	C	T	Ø	4		D	=	<	=
	L											>	·		C			
	N		520.00	528.00			X	L	Ø	S	T							
	A	1	520.00	530.00		5	1	3	3	9								
	P		530.00	540.00	T	L		D	A	C	T	Ø	3		D	=	<	=
	N		530.00	538.20			X	L	Ø	S	T							
	A	1	530.00	540.00		5	1	3	4	0								
	P		540.00	550.00	T	L		0	A	C	T	Ø	3		D	=	<	=
	L											>	·					
	A	1	540.00	550.00		5	1	3	4	1								
	P		550.00	560.00	T	L		D	A	C	T	Ø	4		D	=	<	=
	L											>	·					
	A	1	550.00	560.00		5	1	3	4	2								
	P		560.00	570.00	T	L		D	A	C	T	P	5		D	=	<	=
	L											>	●					
	A	1	560.00	570.00		5	1	2	1	4								
	P		570.00	580.00	T	L		0	A	C	T	P	5		D	1	<	1
	L											>	)					
	A	1	570.00	580.00		5	1	3	4	3								
	P		580.00	590.00	T	L		D	A	C	T	P	5		D	=	<	=
(590'– 723') ANDESITE	L											>	)					
Colour is dark greenish - black.	A	1	580.00	590.00		5	1	3	4	4								

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UNIQUE ID OF PROJECT	DRILL HOLE	TRAVERSE	SIZE OF CORE	CO-ORD SYS	BY	ASST'S	DRILLER(S)	MONTH	YEAR	TYPE	TABLE HGT	SURVEYED	SYSTEM	PAGE
IDENB0201	V-243	DDH	75-2	A	VG	89	JFB		75					7 9

DRILL COORD SYSTEM UNITS →	M / F	TOTAL DEPTH / LENGTH	AZM	V ANG	NORTHING	EASTING	ELEVATION
S	T	862.00	.	-90.000	-1955.000	-1459.09	530.000

ROCK TYPE | VEINS | FRACTURES | ALTERATION | MINERALIZATION | METERAGE

GRAPHIC LOG

Potassic
phyllic
argillic
propylitic
silicic
oxidation
QV
CPY
MO

QC Veins

600' 610' 620' 630' 640' 650' 660' 670' 680' 690' 700' 710' 720'

	FROM	TO	RECOV	T-MOD	% MIX	ROCK	QZ VEINS S M L tot	FILL IN COLUMN HEADINGS FOR HA/XX TYPE HEADINGS
1 4	5 6 7 8 9 10	11 12 13 14 15 16	18 19 20	21 22 23	24 25 26 27	43 44 45 46	57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76
/			RQD		CS	FRACTURES S M L tot	K F M S C L K M S I P 1 P 2 P 3 M Ø
L			Recov	SS Sample Serial No.	27 28 29 30 31 32		Q Z C B Q C M C L I J M C 1 C 2 C 3

DESCRIPTIVE REMARKS

631.4' – 633.5': Intense polylithic breccia.

673' – 677.3': Moderate breccia zone.

	FROM	TO	RECOV	T-MOD	% MIX	ROCK	QZ VEINS S M L tot	FILL IN COLUMN HEADINGS FOR HA/XX TYPE HEADINGS
A								
1 4	5 6 7 8 9 10	11 12 13 14 15 16	18 19 20	21 22 23	24 25 26 27	43 44 45 46	57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76
P	590.00	600.00			AN DIS		P 5 D 1 < 1
A 1	590.00	600.00		51	2 1 5		
P	600.00	610.00			AN DIS		P 5 D = < =
L							> ·
A 1	600.00	610.00		51	2 1 6		
P	610.00	620.00			AN DIS		Ø 4 D = < =
A 1	610.00	620.00		51	3 4 5		
P	620.00	630.00			AN DIS		P 6 D = < =
L							> ●
A 1	620.00	630.00		51	3 4 6		
P	630.00	640.00			AN DIS		P 8 D = < =
L							> ·
D	631.40	633.50		BR			
A 1	630.00	640.00		51	3 4 7		
P	640.00	650.00			AN DIS		P 6 D = < =
L							> ·
A 1	640.00	650.00		51	3 4 8		
P	650.00	660.00			AN DIS		P 8 D = < =
L							> ·
A 1	650.00	660.00		51	3 4 9		
P	660.00	670.00			AN DIS		P 8 D = < =
L							> ●
A 1	660.00	670.00		51	3 5 0		
P	670.00	680.00			AN DIS		P 8 D 1 < 1
L							>)
D	673.00	677.30		BR			
A 1	670.00	680.00		51	3 5 1		
P	680.00	690.00			AN DIS		P 8 D = < =
L							> ·
A 1	680.00	690.00		51	3 5 2		
P	690.00	700.00			AN DIS		P 8 D = < =
L							> ·
A 1	690.00	700.00		51	3 5 3		
P	700.00	710.00			AN DIS		P 9 D = < = > =
L							> ●
A 1	700.00	710.00		51	2 1 7		

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UNIQUE ID OF PROJECT	DRILL HOLE / TRAVERSE	SIZE OF CORE	LOGGED	BY	TYPE	SURVEYED	GRID AZIMUTH	PAGE
IDEN6B020 1 V-243	DDH 75-2		AUG 79	JFB				8 19

DRILL COORD SYSTEM UNITS →	M/F T	TOTAL DEPTH/LENGTH	AZM	V ANG	NORTHING	EASTING	ELEVATION
S		862.00	.	-70.000	-19551.000	-14591.019	5030.000

ROCK TYPE | VEINS | FRACTURES | ALTERATION | MINERALIZATION | METERAGE

GRAPHIC LOG

Basaltic / Rhyolite / Porphyritic / Aphanitic / Silicification / Qz / Cpy / Mag

720' (723') 730' 740' 750' 760' 770' 780' 790' 800' 810' 820' 830'

Qc veins

DESCRIPTIVE REMARKS

(723'-862') ANDESITE LAPILLI TUFF
Colour varies from dark to medium greenish-grey to dark greenish-black.

820'-830': Local bleaching is present.

FROM	TO	RECOV / RQD	T-MOD	%/MIX	ROCK	QZ VEINS S M L tot / FRACTURES S M L tot	FILL IN COLUMN HEADINGS FOR HA/XX TYPE HEADINGS
							KFMSCLKASIPIP2P3MØ
							QZCBQCMCLIJMC1C2C3

FROM	TO	RECOV / RQD	T-MOD	%/MIX	ROCK	QZ VEINS / FRACTURES	FILL IN COLUMN HEADINGS FOR HA/XX TYPE HEADINGS
PL	710.00				AND S		P8 D= < = > =
AL 710.00	720.00		S1	218			
PL 720.00	723.00			AND S			P8 D= < = > =
AL 720.00	730.00		S1	354			
PL 723.00	730.00		TL	AND S			P8 D= < = > =
PL 730.00	740.00		TL	AND S			P8 D= < = > =
AL 730.00	740.00		S1	355			
PL 740.00	750.00		TL	AND S			P7 D= < = > =
AL 740.00	750.00		S1	356			
PL 750.00	760.00		TL	AND S			P9 D= < = > =
AL 750.00	760.00		S1	357			
PL 760.00	770.00		TL	AND S			P9 D= < = > =
AL 760.00	770.00		S1	358			
PL 770.00	780.00		TL	AND S			P9 D= < = > =
AL 770.00	780.00		S1	359			
PL 780.00	790.00		TL	AND S			P9 D= < = > =
AL 780.00	790.00		S1	360			
PL 790.00	800.00		TL	AND S			P9 Q7 D) <) >)
PL 800.00	810.00		TL	AND S			P9 D+ < + > +
PL 810.00	820.00		TL	AND S			P9 Q7 D) <) >)
PL 820.00	830.00		TL	AND S			P9 Q7 D) <) >)

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(…olog Form 3)

I D E N	6 B 0 2 0 1	Unique ID of Project	Drill Hole / Traverse	Size of Core	Logged	By	Year
		V-243	00H 75-2		AUG 89	JFB	75

S	Drill Coord System Units →	M/F	Total Depth/Length	AZM	V ANG	Northing	Easting	Elevation
		T	862.00	.	-90.00	-1955.00	-1459.09	5030.00

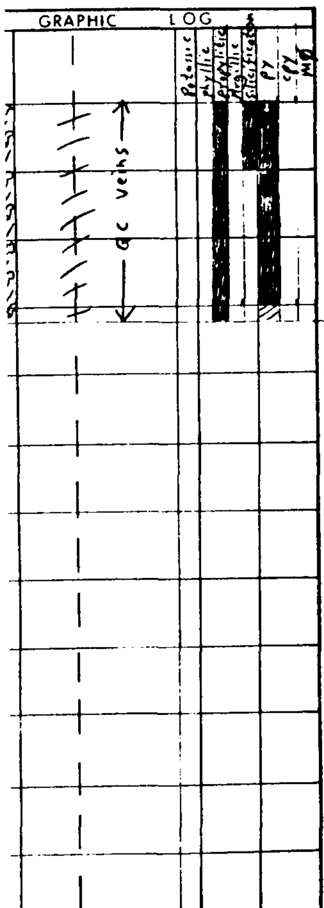
Page 9 of 9

1	4	FROM (5–10)	TO (11–16)	RECOV (18–20)	T MOD (21–22)	% MIX (23)	ROCK (24–27)	QZ VEINS S M L tot (43–46)	FILL IN COLUMN HEADINGS FOR HA/XX TYPE HEADINGS (57–76)
/									KF mS CL KA SI PI P2 P3 MØ
L				RQD			CS	FRACTURES S M L tot	QZ CB QC MC LI JA C1 C2 C3

VEINS FRACTURES ALTERATION MINERALIZATION METERAGE

GRAPHIC LOG

Potassic Phyllic Propylitic Argillic Silicification Py Cpy MO



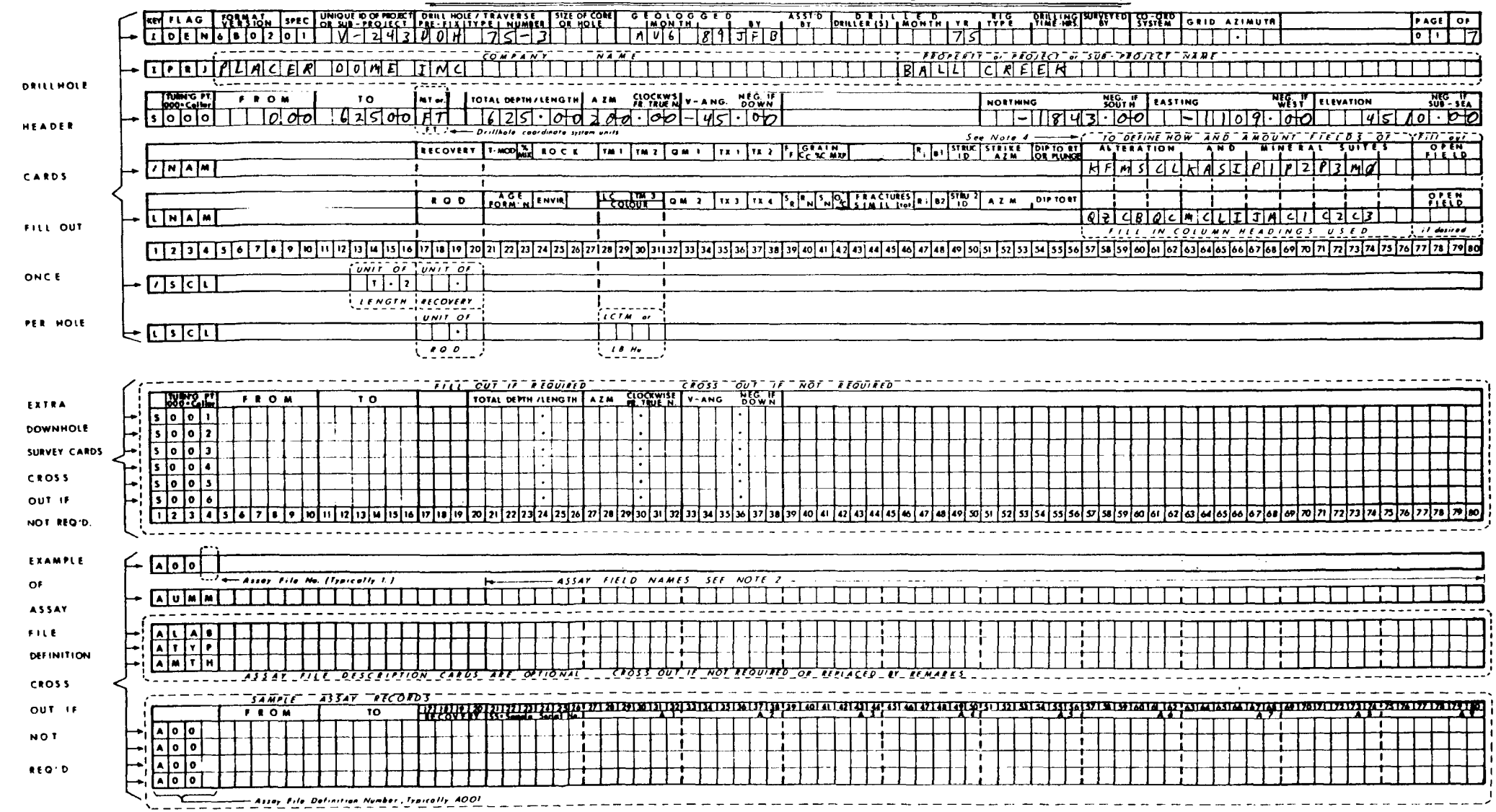
830′
840′
850′
860′
862′
870′

DESCRIPTIVE REMARKS

A 1	4	FROM (5–10)	TO (11–16)	18–20	21–23	24–27	43–46	57–60	61–62	63–64	65–66	67–68	69–70	71–72	73–76
P		830.00	840.00		TL	ANDS			P9		Q7	D)	<)	>)	
L									>●						
P		840.00	850.00		TL	ANDS			P9			D)	<)	>)	
L									>·						
P		850.00	860.00		TL	ANDS			P9			D)	<)	>)	
L									>)						
P		860.00	862.00		TL	ANDS			P9			D)	<)	>)	
L									>·						

SP 1988

PLACER DOME INC. GEOLOG DRILLHOLE HEADER FORM



Notes

1 - Do not change INAM, LNAM, ISCL, LSCL, or AUMM card definitions durin a project. Blanks may be changed howe
2 - On AUMM card, right adjust names so that R H 4 letters make sense. They will be " stats" header names.
3 - Units of distance on 5000 card are for survey coordinates, those on ISCL card are for downhole distances.
4 - To define XX type field put XX in upper tier, lower tier then becomes corresponding How and amount field
5 - If additional "S" or "A" cards are required use another header form and cross out unwanted portions or enter "S" or "A" cards on keypunched portion on Form 2.

PLK - AK - Feb 88

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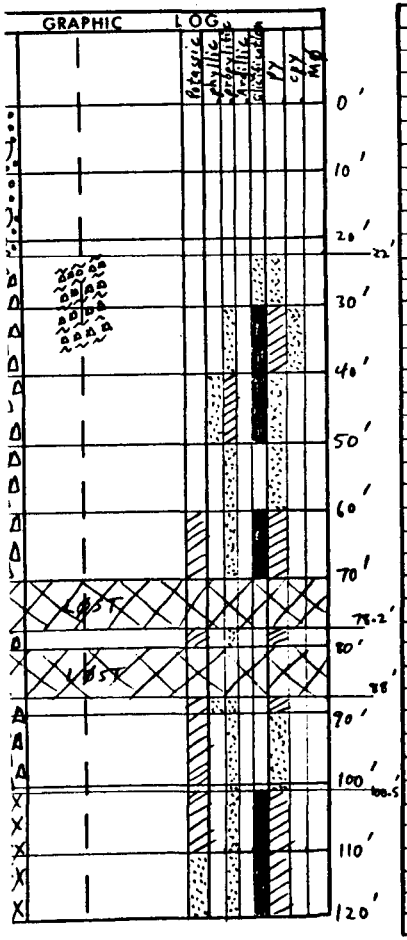
UNIQUE ID OF PROJECT	DRILL HOLE / TRAVERSE	SIZE OF CORE	LOGGED	BY	ASST D	DRILLER (S)	MONTH	YEAR	TYPE	TIME - HRS	SURVEYED	SYSTEM	GRID AZIMUTH	PAGE	OF
IDEN 6B02 01	V-24-3	ODH	AUG 89	JFB				75						2	7

DRILL COORD SYSTEM UNITS →	M/F	TOTAL DEPTH/LENGTH	AZM	V ANG	NORTHING	EASTING	ELEVATION
5	T	1625.000	200.00	-45.000	-11843.000	-11109.000	4510.000

VEINS | FRACTURES | ALTERATION | MINERALIZATION | METERAGE

GRAPHIC LOG



	FROM	TO	RECOV	T-MOD	% MIN	ROCK	QZ VEINS S M L VERY	FILL IN COLUMN HEADINGS FOR HA/XX TYPE HEADINGS
1 4	5 6 7 8 9 10	11 12 13 14 15 16	18 19 20	21 22 23	24 25 26 27	43 44 45 46	57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76
/							KF MS CL KA SI PI P2 P3 MØ
L			RQD		CS	FRACTURES S M L VERY	QZ CB QC MC CL IJ AC1 C2 C3
			RECOV	SS: Sample Serial No	27	28 29 30 31	32

DESCRIPTIVE REMARKS

(0'-22') OVERBURDEN

(22'-100.5') ALTERED ANDESITE AND ALTERED ANDESITE BRECCIA.
Colour varies from light greyish-whitrish-orange to medium greenish-greyish-orange to light greenish-greyish-orange-pink.
22'-36': Intensely sheared / brecciated and bleached.

62.2'-70': Bleached QZMZ inclusion.

70'-80': This interval consists of 90% bleached QZMZ.

80'-92.5': Minor QZMZ fragments are present.

90'-100': Local bleaching occurs.

(100.5'-167') QUARTZ MONZONITE PORPHYRY
Colour varies from light greenish-greyish-orange to light greenish-greyish-whitrish-orangeish-pink.

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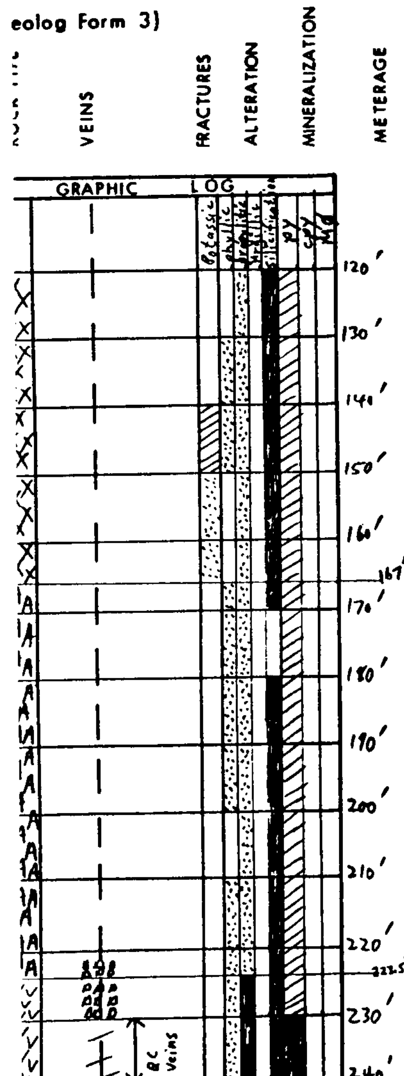
(Geolog Form 3)

I D E N	UNIQUE ID OF PROJECT	DRILL HOLE / TRAVERSE	SIZE OF CORE	LOGGED	BY	ASST'D	DRILLER (S)	MONTH	YEAR	TYPE	TIME-HRS	SURVEYED	SYSTEM	GRID AZIMUTH	PAGE	OF
680201	V-243	DDH 75-3		AUG 89	JFB				75						3	7

S	DRILL COORD SYSTEM UNITS →	M/F	TOTAL DEPTH/LENGTH	AZM	V ANG	NORTHING	EASTING	ELEVATION
		T	625.00	200.00	-45.00	-1843.00	-1109.00	4510.00

Column headings: 1, 4 | FROM 5–10 | TO 11–16 | RECOV. 18–20 | T-MOD 21–22 | %/MOD 23 | ROCK 24–27 | QZ VEINS S M L (tot) 43–46 | FILL IN COLUMN HEADINGS FOR HA/XX TYPE HEADINGS 57–76

/											K F	M S	C L	K A	S I	P 1	P 2	P 3	M Ø
			RQD		CS		FRACTURES S M L (tot)												
L											Q Z	C B	Q C	M C	L I	J A	C 1	C 2	C 3
			RECOV.	SS: Sample Serial No.	27	28	29	30	31	32									



DESCRIPTIVE REMARKS

120'–130': Local intense bleaching washes out the texture.

(167'–223.5') **ALTERED ANDESITE**
Colour is medium greenish-greyish-orange.

221.2'–222.7': Moderately brecciated.

(223.5'–286') **ANDESITE**
Colour varies from dark greenish-grey to light greenish-greyish-whiteish-orange.

223.5'–240': Local weak brecciation.

1	4	FROM (5–10)	TO (11–16)	18–20	21–23	24–27	43–46	57–58	59–60	61–62	63–64	65–66	67–68	69–70	71–76
P		110.00	120.00		PP	QZMZ		E2		Ø+		PX	D)	<)	
L												C			
A	1	110.00	120.00		S1	222									
P		120.00	130.00		PP	QZMZ				Ø+		PX	D)	<)	
L												C			
A	1	120.00	130.00		S1	223									
P		130.00	140.00		PP	QZMZ			Ø)	Ø+		PX	D+	<+	
L												C	C		
P		140.00	150.00		PP	QZMZ		E4	Ø+	Ø)		PX	D)	<)	
L												C	C		
P		150.00	160.00		PP	QZMZ		E2		Ø+		PX	D+	<+	
L												C			
P		160.00	167.00		PP	QZMZ		E2		Ø+		PX	D)	<)	
L												C			
P		167.00	170.00		AL	ANDS			Ø3	Ø3		Q7	D+	<+	
L												C			
P		170.00	180.00		AL	ANDS			Ø3	Ø3			D)	<)	
L												C			
A	1	170.00	180.00		S1	224									
P		180.00	190.00		AL	ANDS			Ø3	Ø3		Q7	D)	<)	
L												C			
A	1	180.00	190.00		S1	225									
P		190.00	200.00		AL	ANDS			Ø)	Ø3		Q7	D)	<)	
L												C			
A	1	190.00	200.00		S1	226									
P		200.00	210.00		AL	ANDS				Ø+		Q7	D)	<)	
L												C	C		
A	1	200.00	210.00		S1	227									
P		210.00	220.00		AL	ANDS			Ø)	Ø)		Q7	D)	<)	
L												C	C		
A	1	210.00	220.00		S1	228									
P		220.00	223.50		AL	ANDS			Ø)	Ø)		Q7	D)	<)	
L												C	C		
D		221.20	222.70		BR										
P		223.50	230.00			ANDS			Ø)	Y7		Q7	D)	<)	
L												C			
D		223.50	230.00		BR										

SP 1988

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Geolog Form 3)

UNIQUE ID OF PROJECT	DRILL HOLE / TRAVERSE	SIZE OF CORE	LOGGED	BY	ASST'D	DRILLER (S)	MONTH	YEAR	TYPE	TIME - HRS	SURVEYED	SYSTEM	GRID AZIMUTH	PAGE	OF
IDENN6802001	V-243	DDH	75-3	AUG 89	JF	B		75						4	17

DRILL COORD SYSTEM UNITS →	M / F	TOTAL DEPTH / LENGTH	AZM	V ANG	NORTHING	EASTING	ELEVATION
S	T	625.000	200.000	-45.000	-18143.000	11091.000	1451.000

ROCK TYPE | VEINS | FRACTURES | ALTERATION | MINERALIZATION | METERAGE

GRAPHIC LOG

Potassic | Phyllic | Propylitic | Argillic | Silicified | PY | CPY | MB

240′ 250′ 260′ 270′ 276.7′ 280′ 283.3′ 286′ 290′ 300′ 310′ 320′ 330′ 340′ 350′

Qc veins

LOST

FST

Qc veins

FROM	TO	RECOV.	T-MOD	% MBC	ROCK	QZ VEINS S	M	L	Int	FILL IN COLUMN HEADINGS FOR HA/XX TYPE HEADINGS
										KF MS CL KM SI PI P2 P3 M Ø
	RQD		CS		FRACTURES S JR JL Int					QZ CB QC MC CL IS AC IC C2 C3

RECOV. | SS = Sample Serial No

DESCRIPTIVE REMARKS

250′-260′: Local intense bleaching is present.

270′-286′: Intensely bleached.
272′-286′: Intensely crackle fractured.

(286′-366′) QUARTZ MONZONITE PORPHYRY
Colour varies from medium greenish-grey to greenish-grayish-orange.

340′-350′: local weak bleaching.

A	FROM	TO	RECOV.	SS	T-MOD	% MBC	ROCK	QZ VEINS	FILL IN COLUMN HEADINGS FOR HA/XX TYPE HEADINGS
P	230.00	240.00					ANDIS		Ø) P7 QZ D+ C+
L									
D	230.00	240.00			BR				
A 1	230.00	240.00			S1		229		
P	240.00	250.00					ANDIS		Ø) P7 QZ D) C)
L									
A 1	240.00	250.00			S1		230		
P	250.00	260.00					ANDIS		Ø) P6 P XD· C·
L									
A 1	250.00	260.00			S1		231		
P	260.00	270.00					ANDIS		Ø4 P XD) C) D·
L									
A 1	260.00	270.00			S1		232		
P	270.00	280.00					ANDIS		P XD) C)
L									
D	272.00	280.00			KR				
M	270.00	276.70				X	LØST		
P	280.00	286.00							Ø+ P XD· C·
L									
D	280.00	286.00			KR				
M	283.50	284.50			S9	X	SHEIR		
M	280.00	283.30				X	LØST		
P	286.00	290.00			PP		QZMIZ		Ø3 Ø+ D) C)
L									
P	290.00	300.00			PP		QZMIZ		Ø+ P7 D) C)
L									
A 1	290.00	300.00			S1		233		
P	300.00	310.00			PP		QZMIZ		Ø+ P7 D· C·
L									
P	310.00	320.00			PP		QZMIZ		P7 D● C●
L									
P	320.00	330.00			PP		QZMIZ		P7 D· C·
L									
P	330.00	340.00			PP		QZMIZ		Ø7 D· C·
L									
P	340.00	350.00			PP		QZMIZ		Ø) P7 D· C·
L									

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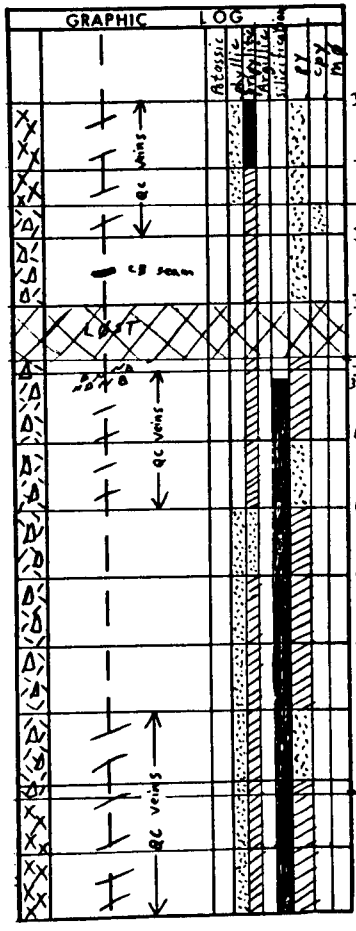
Geolog Form 3)

UNIQUE ID OF PROJECT	DRILL HOLE / TRAVERSE	SIZE OF CORE	LOGGED	BY	ASST'D	DRILLER (S)	MONTH	YEAR	TYPE	TIME – HRS	SURVEYED	SYSTEM	GRID AZIMUTH	PAGE	OF
IDEN68020 1	V-243	DDH	75-3	AVG 89	JFB			75							7

DRILL COORD SYSTEM UNITS	M / F	TOTAL DEPTH/LENGTH	AZM	V ANG	NORTHING	EASTING	ELEVATION
S	T	625.00	200.00	-45.00	-11843.000	-11109.00	4510.000

FROM	TO	RECOV.	T-MOD	% MB	ROCK	QZ VEINS S M L TOT	FILL IN COLUMN HEADINGS FOR HA/XX TYPE HEADINGS
		RQD	CS			FRACTURES S M L TOT	KF MS CL KA SI P1 P2 P3 MØ
		RECOV	SS-Sample Serial No	27 28 29 30 31 32			QZ CB QC MC CL IJ MC 1 C2 C3



DESCRIPTIVE REMARKS
360'-366': Local bleaching.
(366'-451.1') DACITE AND DACITE BRECCIA Colour varies from dark greenish-grey to dark greenish-greyish-black to light greyish-white.
366'-370': Local intense bleaching.
375'-375.6': A white chalky calcite seam is present here.
390'-391.5': Intensely sheared and brecciated.
391.5'-397.3': Intensely bleached.
400'-410': Local moderate bleaching.
440'-450': Local moderate bleaching.
(451.1'-625') QUARTZ MONZONITE PORPHYRY Colour is medium greenish-grey.

A	FROM	TO	RECOV	T-MOD	% MB	ROCK	QZ VEINS S M L TOT	FRACTURES S M L TOT	FILL IN COLUMN HEADINGS FOR HA/XX TYPE HEADINGS
P	350.00	360.00		PP		QZMIZ	Ø+	P7	D·<·
L								>·	C
P	360.00	366.00		PP		QZMIZ	Ø+	P6	D·<·
L								>·	C
P	366.00	370.00		BR		DACIT		Ø4	D·<·
L								>·	D·
P	370.00	380.00		BR		DACIT		Ø4	D·<·
L								>=	
P	380.00	390.00		BR		DACIT		Ø4	D))<))
M	380.00	389.00			X	LØSIT			
P	390.00	400.00		BR		DACIT		Ø4	ØXD))<))
L								>·	
N	390.00	391.50		S8X		SHEIR			
A1	390.00	400.00		S1		2345			
P	400.00	410.00		BR		DACIT		Ø4	QZ7D●<●
L								>●	
A1	400.00	410.00		S1		2355			
P	410.00	420.00		BR		DACIT		Ø3	QZ7D))<))
A1	410.00	420.00		S1		2366			
P	420.00	430.00		BR		DACIT		Ø4	QZ7D+<+
A1	420.00	430.00		S1		2377			
P	430.00	440.00		BR		DMCIT		P5	QZ7D))<))
A1	430.00	440.00		S1		2385			
P	440.00	450.00		BR		DACIT		Ø+P5	QZ7D●<●
L							>·	>·	
P	450.00	451.10		BR		DACIT		Ø+P5	QZ7D))<))
L								>·	
P	451.10	460.00		PP		QZMIZ	Ø+	P5	PXD))<))
L								>·	
P	460.00	470.00		PP		QZMIZ	Ø3	P5	PXD+<+
L								>))	
A1	460.00	470.00		S1		2397			

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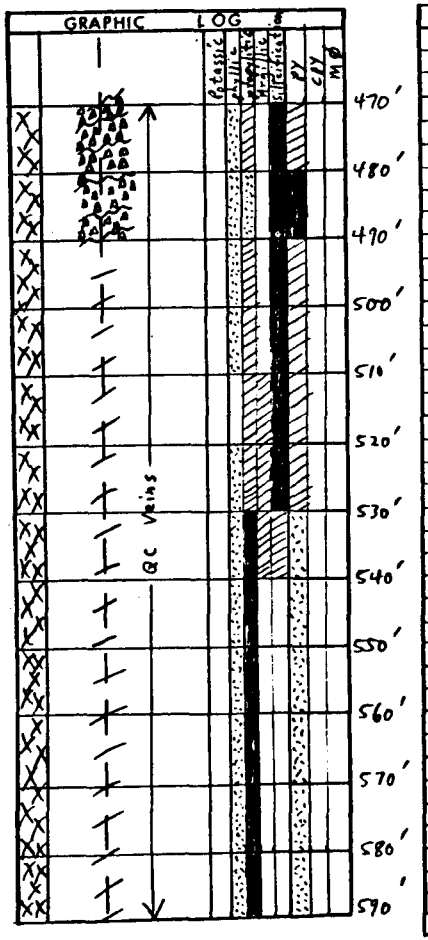
UNIQUE ID OF PROJECT	DRILL HOLE / TRAVERSE	SIZE OF CORE	LOGGED	BY	ASST'D	DRILLER (S)	MONTH	YEAR	TYPE	TIME – HRS	SURVEYED	SYSTEM	GRID AZIMUTH	PAGE
IDEN6B0201 V-243	D0H	75-3	AUG	19 JFB				75						6 of 7

DRILL COORD SYSTEM UNITS →	M/F	TOTAL DEPTH/LENGTH	AZM	V ANG	NORTHING	EASTING	ELEVATION
S	T	625.00	270.00	-45.00	-11843.00	-11091.00	495 10.00

ROCK TYPE | VEINS | FRACTURES | ALTERATION | MINERALIZATION | METERAGE

GRAPHIC LOG



	FROM	TO	RECOV.	T-MOD	% MBC	ROCK	QZ VEINS S M L INF	FILL IN COLUMN HEADINGS FOR HA/RX TYPE HEADINGS
1 4	5 6 7 8 9 10	11 12 13 14 15 16	18 19 20	21 22 23		24 25 26 27	43 44 45 46	57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76
/								KF MS CL KM SI PI P2 P3 MØ
L			RQD			CS	FRACTURES S M L INF	
			RECOV	SS. Sample Serial No		27	28 29 30 31 32	QZ CB QC MC LI JM C1 C2 C3

DESCRIPTIVE REMARKS

470'–490': Local foliation and brecciation exists.

1 4	5 6 7 8 9 10	11 12 13 14 15 16	18 19 20	21 22 23	24 25 26 27	43 44 45 46	57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76
PL	470.00	480.00		PP	QZMZ		Ø3 P6 > . PXD) <)
D	470.00	480.00		BR			
M1	470.00	480.00		S1	2401		
PL	480.00	490.00		PP	QZMZ		Ø) Ø 3 > . PXP + < +
D	480.00	490.00		BR			
M1	480.00	490.00		S1	2411		
PL	490.00	500.00		PP	QZMZ		Ø) P5 > . PXD + < +
PL	500.00	510.00		PP	QZMZ		Ø) P6 > . PXD) <)
PL	510.00	520.00		PP	QZMZ		P6 > . Ø5 PXD) <)
PL	520.00	530.00		PP	QZMZ		Ø+ P6 > . Ø5 PXD) <)
PL	530.00	540.00		PP	QZMZ		Ø+ P7 > . Ø5 Q5 D● < ●
PL	540.00	550.00		PP	QZMZ		Ø) P7 > . D · < ·
PL	550.00	560.00		PP	QZMZ		Ø) P7 > . D● < ●
P	560.00	570.00		PP	QZMZ		Ø) P7 D● < ●
PL	570.00	580.00		PP	QZMZ		Ø+ P7 > . D● < ●
PL	580.00	590.00		PP	QZMZ		Ø+ P7 > ● D · < ·

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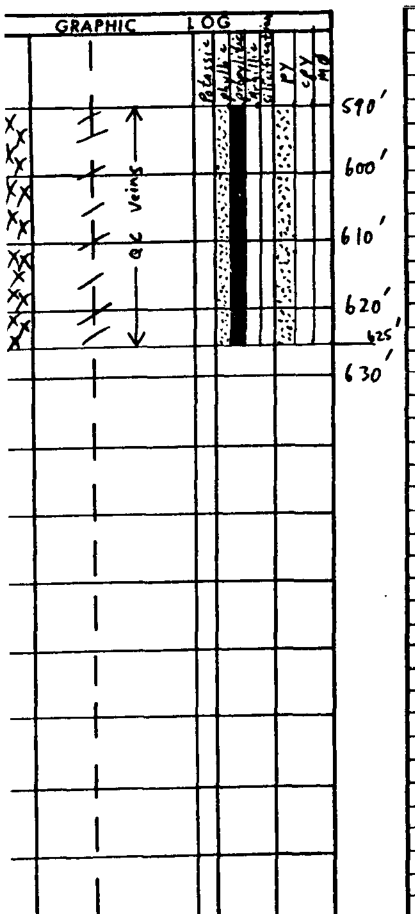
UNIQUE ID OF PROJECT	DRILL HOLE / TRAVERSE	SIZE OF CORE	LOGGED	BY	ASST'D	DRILLER (S)	MONTH	YEAR	TYPE	TIME-HRS	SURVEYED	SYSTEM	GRID AZIMUTH	PAGE	OF
IDEN680201 V-243	DDH 73-3		AUG 89	JFB				75						7	7

DRILL COORD SYSTEM UNITS	M/F	TOTAL DEPTH/LENGTH	AZM	V ANG	NORTHING	EASTING	ELEVATION
S	T	625.00	200.00	-45.00	-1843.00	-1109.00	4510.00

1	4	FROM (5–10)	TO (11–16)	RECOV (18–20)	T-MOD (21–22)	%MIX (23)	ROCK (24–27)	QZ VEINS S M L tot (43–46)	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76
/									K	F	M	S	C	L	K	A	S	I	P	1	P	2	P	3	M	Ø		
				RQD			CS	FRACTURES S M L tot																				
L									Q	Z	C	B	Q	C	M	C	L	I	J	M	C	1	C	2	C	3		

RECOV | SS: Sample Serial No | 27 | 28 | 29 | 30 | 31 | 32

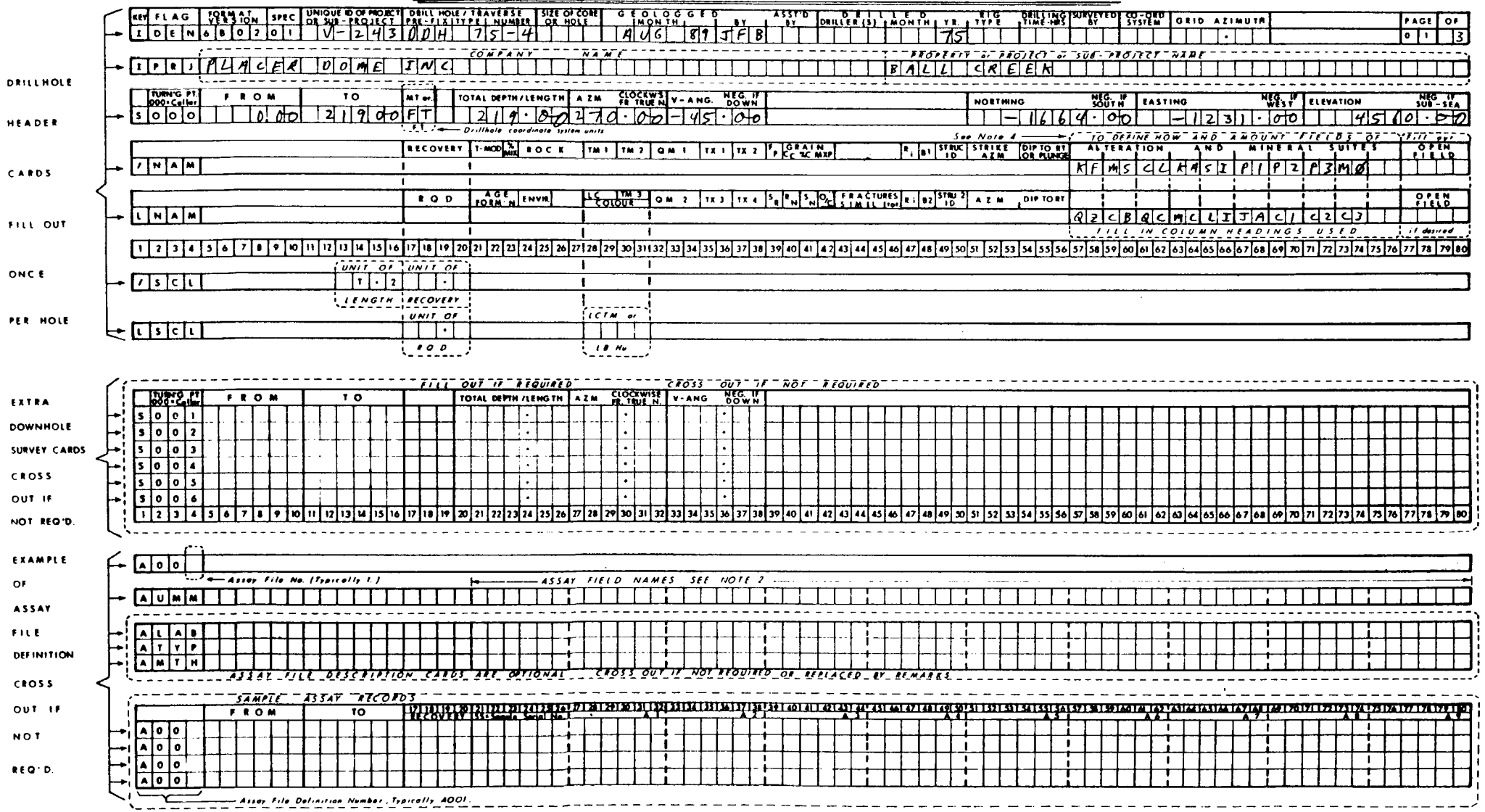


DESCRIPTIVE REMARKS

A 1	4	5–10 (FROM)	11–16 (TO)	18–20	21	22	23	24	25	26	27	43–46	57	58	59	60	61	62	63–66	67	68	69	70	71–76
P		590.00	600.00		P	P		Q	Z	M	Z				Ø	3	P	7		D	•	<	•	
L																	>	•						
P		600.00	610.00		P	P		Q	Z	M	Z				Ø	3	P	7		D	•	<	•	
L																	>	•						
P		610.00	620.00		P	P		Q	Z	M	Z				Ø	3	P	7		D	●	<	●	
L																	>	•						
P		620.00	625.00		P	P		Q	Z	M	Z				Ø	)	P	7		D	●	<	●	
L																	>	•						

SP 1980

PLACER DOME INC. GEOLOG DRILLHOLE HEADER FORM



Notes:

1. - Do not change /NAM, LNAM, /SCL, LSCL, or AUMM card definitions durin a project. Blanks may be changed lower.
2. - On AUMM card, right adjust names so that RH 4 letters make sense. They will be "stars" header names.
3. - Units of distance on 5000 card are for survey coordinates, those on /SCL card are for downhole distances.
4. - To define XX type field put XX in upper tier, lower tier then becomes corresponding How and amount field.
5. - If additional "S" or "A" cards are required use another header form and cross out unwanted portions or enter "S" or "A" cards on keypunched portion on Form 2.

PLK - AK - Feb 88

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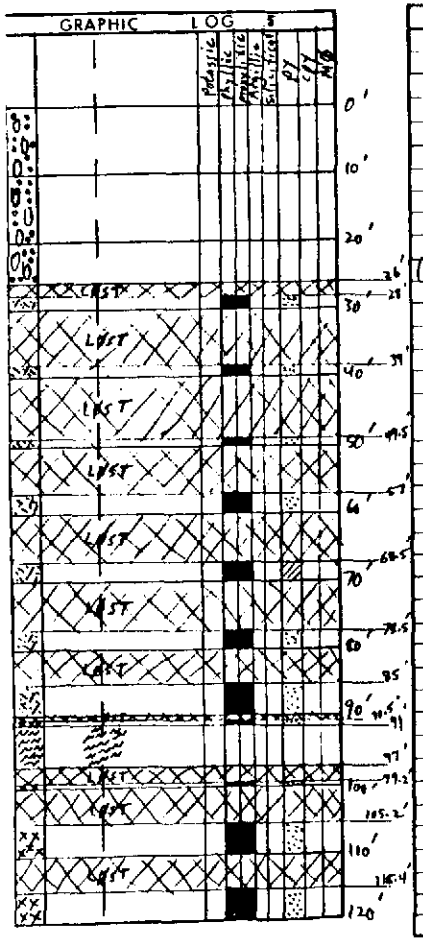
Geolog Form 3)



DESCRIPTIVE REMARKS

(0'-26') OVERBURDEN

(26'-90') PORPHYRITIC DACITE

Colour varies from dark greenish-grey to dark greenish-greyish-orange.

50'-60': Locally brecciation is present.

(90'-91') QUARTZ MONZONITE PORPHYRY

Colour is dark greenish-grey.

(91'-97') FAULT

Core is now missing, however a fault was recorded in the A75 drill log.

(97'-219') QUARTZ MONZONITE PORPHYRY

Colour is medium brownish-greenish-grey.

FROM	TO	RECOV	T-MOD	% MIK	ROCK	QZ VEINS S	M	L	tot	FILL IN COLUMN HEADINGS FOR HA/XX TYPE HEADINGS
		RQD			CS	FRACTURES S	M	L	tot	
0.00	26.00				ØVBID					
26.00	30.00		PP		DACIT					>• C D●
26.00	28.00			X	LØSIT					
30.00	40.00		PP		DACIT					>· C D)
30.00	39.00			X	LØSIT					
40.00	50.00		PP		DACIT					C D·
40.00	49.50			X	LØSIT					
50.00	60.00		PP		DACIT					C D·
50.00	57.00			X	LØSIT					
60.00	70.00		PP		DACIT					C D)
60.00	68.50			X	LØSIT					
70.00	80.00		PP		DACIT					C D·
70.00	78.50			X	LØSIT					
80.00	90.00		PP		DACIT					C D·
80.00	85.00			X	LØSIT					
80.00	90.00		51		246					
90.00	91.00		PP		QZ MZ					C D·
90.00	90.50			X	LØSIT					
91.00	97.00				FAULT					
97.00	100.00		PP		QZ MZ					C D·
97.00	99.20			X	LØSIT					
100.00	110.00		PP		QZ MZ					C D·
100.00	105.20			X	LØSIT					

SP 1988

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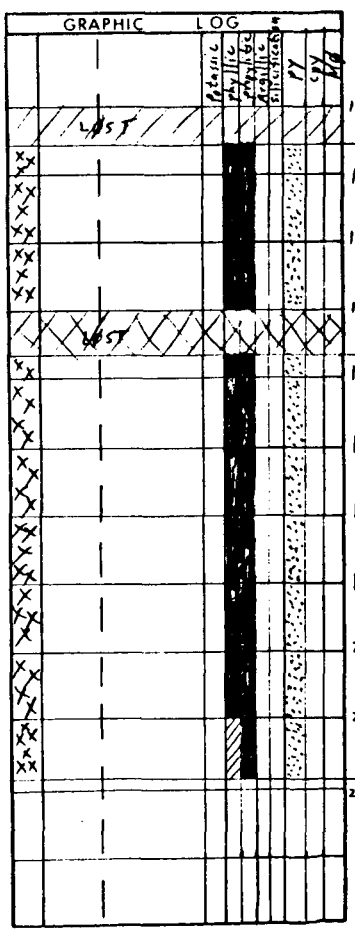
Geolog Form 3)

UNIQUE ID OF PROJECT	DRILL HOLE / TRAVERSE	SIZE OF CORE	LOGGED	BY	ASSAY #	DRILL FIRM	MONTH	YEAR	TYPE	FINAL HOLE NO.	SURVEYED	SYSTEM	GRID AZIMUTH		PAGE	
I D E N 6 B 0 2 0 1	M-24B	DDH	75-4	MU6	89	JFB									3	3
DRILL COORD SYSTEM UNITS →	M / F	TOTAL DEPTH/LENGTH	AZM	V ANG	NORTHING		EASTING		ELEVATION							
S	T	219.00	270.00	-45.00	-1664.00		-1231.00		456.00							

ROCK TYPE	VEINS	FRACTURES	ALTERATION	MINERALIZATION	METERAGE

GRAPHIC LOG

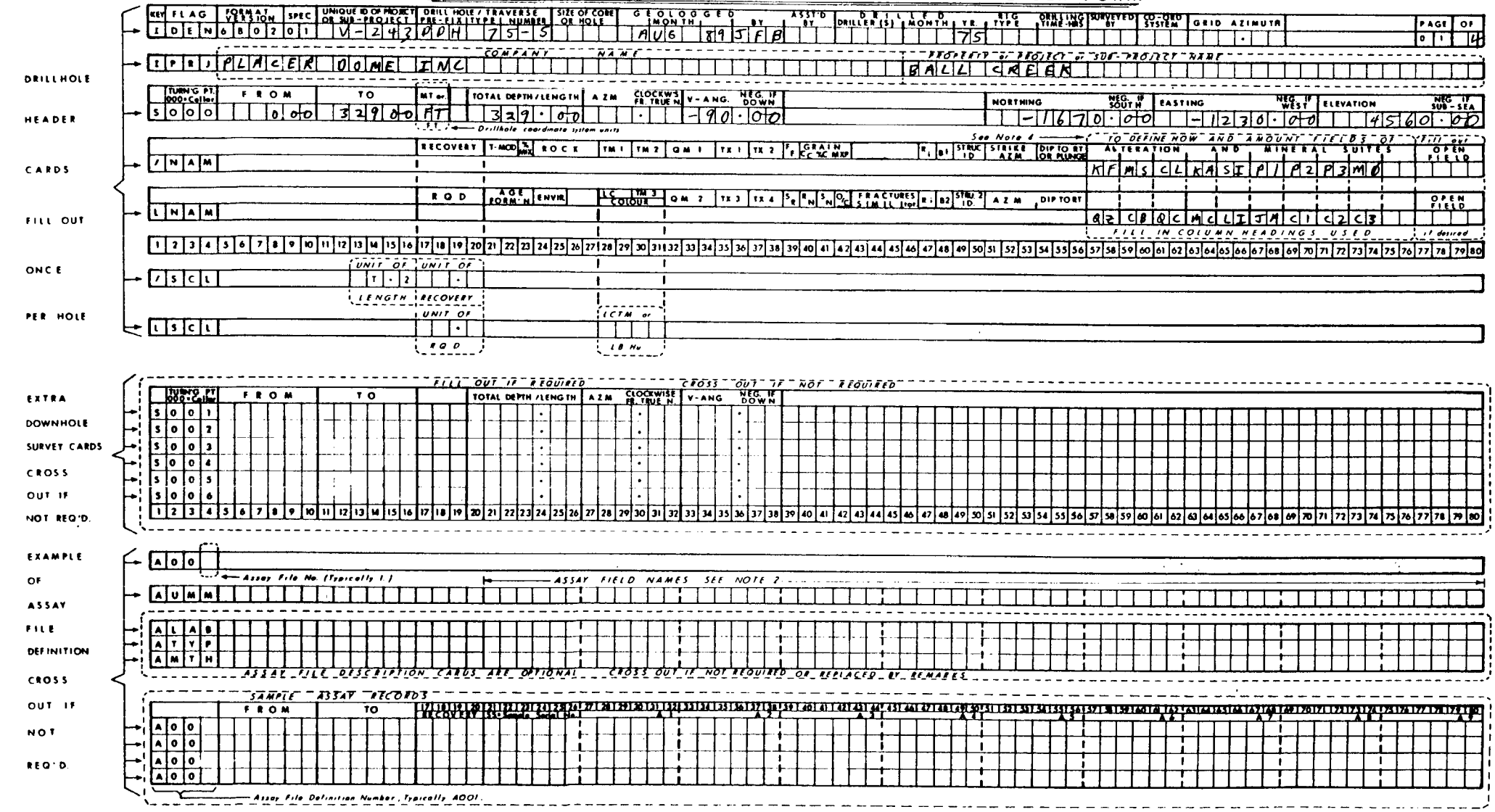


DESCRIPTIVE REMARKS

FROM	TO	RECOV	RQD	RECOV	T-MOD	% MIX	ROCK	CS	QZ VEINS S M L tot	FRACTURES S M L tot	FILL IN COLUMN HEADINGS FOR HA/XX TYPE HEADINGS
1 4	5 6 7 8 9 10	11 12 13 14 15 16	18 19 20	SS Sample Serial No. 27 28 29 30 31 32	21 22 23		24 25 26 27		43 44 45 46		57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76
/											K F MS CL KM SI PI P2 P3 MØ
L											QZ CB QC MC LI JA C1 C2 C3

A	FROM	TO	T-MOD	% MIX	ROCK	QZ VEINS	FRACTURES	FILL IN COLUMN HEADINGS FOR HA/XX TYPE HEADINGS
1 4	5 6 7 8 9 10	11 12 13 14 15 16	21 22 23		24 25 26 27	43 44 45 46		57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76
P	110.00	120.00	PP		QZMZ			P7P7 D·
N	110.00	115.40		X	LØST			
P	120.00	130.00	PP		QZMZ			P7P7 D·
N	120.00	125.80		X	LØST			
P	130.00	140.00	PP		QZMZ			P7P7 D·
A1	130.00	140.00		S1	3301			
P	140.00	150.00	PP		QZMZ			P7P7 D·
A1	140.00	150.00		S1	3311			
P	150.00	160.00	PP		QZMZ			P7P7 D·
N	150.00	157.00		X	LØST			
P L	160.00	170.00	PP		QZMZ			P7P7 C D·
P L	170.00	180.00	PP		QZMZ			P7P7 C D·
P L	180.00	190.00	PP		QZMZ			P7P7 C D·
P	190.00	200.00	PP		QZMZ			P7P7 D·
P	200.00	210.00	PP		QZMZ			P7P7 D·
P	210.00	219.00	PP		QZMZ			P5P7 D·

PLACER DOME INC. GEOLOG DRILLHOLE HEADER FORM



Notes:

1. - Do not change /NAM, LNAM, /SCL, LSCL, or AUMM card definitions durin a project. Blanks may be changed howe.
2. - On AUMM card, right adjust names so that R.H. 4 letters make sense. They will be "stats" header names.
3. - Units of distance on 5000 card are for survey coordinates, those on /SCL card are for downhole distances.
4. - To define X X type field put X X in upper tier, lower tier then becomes corresponding How and amount field.
5. - If additional "S" or "A" cards are required use another header form and cross out unwanted portions or enter "S" or "A" cards on keypunched portion on Form 2.

ACER
ME
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olog Form 3)

UNIQUE ID OF PROJECT	DRILL HOLE TRAVERSE	SIZE OF CORE	CO-ORDS	BY	ASST.	ORIGINAL(S)	MONTH	YEAR	TYPE	FINAL HOLE	SURVEY DATE	MAGNETIC	GRID AZIMUTH	PAGE	OF
IDEN6B0201V-243	DDH	75-5	AV6	89	JFB			75						2	4

DRILL COORD SYSTEM UNITS →	M/F	TOTAL DEPTH/LENGTH	AZM	V ANG	NORTHING	EASTING	ELEVATION
S	T	327.00	.	-90.00	-11610.00	-12300.00	4560.00

	FROM	TO	RECOV	T-MOD	% MIX	ROCK	QZ VEINS S M L tot	FILL IN COLUMN HEADINGS FOR HA/XX TYPE HEADINGS
1 4	5 6 7 8 9 10	11 12 13 14 15 16	18 19 20	21 22 23	24 25 26 27	43 44 45 46	57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76
/							KF MS CL KM SI P1 P2 P3 MØ
L			RQD		CS	FRACTURES S M L tot	Q≥ CB QC MC LI JA C1 C2 C3
			RECOV	SS Sample Serial No.			
A							

VEINS | FRACTURES | ALTERATION | MINERALIZATION | METERAGE

GRAPHIC LOG

Basic dyke, Rhyolitic porphyritic dyke, Mafic dyke, Silicified zone, PY, CPY, MØ

0' 10' 20' 25' 27' 30' 40' 50' 60' 70' 80' 89.9' 90' 96.2' 100' 107.7' 110' 115.5' 120'

LOST | QUARTZ VEINS

DESCRIPTIVE REMARKS

(0'-25') OVER BURDEN

(25'-121') ALTERED ANDESITE BRECCIA
Colour varies from medium greenish-grey to greenish-greyish-pink to greenish-greyish-whitish-pink.
25'-30': Local bleaching exists.

50'-110': Local bleaching exists.

	FROM	TO	RECOV	RQD	T-MOD	% MIX	ROCK	QZ VEINS S M L tot	FRACTURES S M L tot	FILL IN COLUMN HEADINGS FOR HA/XX TYPE HEADINGS
A	1 4 5 6 7 8 9 10	11 12 13 14 15 16	18 19 20	RECOV	21 22 23	24 25 26 27	43 44 45 46	47 48 49 50 51 52 53 54	55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76	
P	0 00	25 00				ØVBD				
P	25 00	30 00			BR	AND S				P C P 7 D·
N	25 00	27 00			X	LØSIT				
P	30 00	40 00			BR	AND S				
N	30 00	40 00			X	LØSIT				
P	40 00	50 00			BR	AND S				
N	40 00	50 00			X	LØSIT				
P	50 00	60 00			BR	AND S				Ø4Ø+
L										Ø
A I	50 00	60 00			S1	2 4 7				
P	60 00	70 00			BR	AND S				E8Ø3Ø+ Q7D·
A I	60 00	70 00			S1	2 4 8				
P	70 00	80 00			BR	AN DS				E8P7P7 Q7D· <·
L										Ø D· <·
A I	70 00	80 00			S1	2 4 9				
P	80 00	90 00			BR	AN DS				E8P7P5 Q7D· >·
L										>· Ø
N	80 00	84 90			X	LØSIT				
A I	80 00	90 00			S1	2 5 0				
P	90 00	100 00			BR	AN DS				E8P7Ø3 Q7D·
L										>· D·
N	90 00	96 20			X	LØSIT				
A I	90 00	100 00			S1	2 7 6				
P	100 00	110 00			BR	AN DS				E9P7P5 Q7D· <·
N	100 00	103 70			X	LØSIT				
A I	100 00	110 00			S1	2 7 7				

PLACER DOME INC.

(Geolog Form 3)

IDEN	Unique ID of Project	Hole / Traverse	Size of Core	Logged	By	Month	Year	Page
I D E N 6 B 0 2 0 1	V-243	DDH 75-5		MVG	89 JFB		75	3 / 4

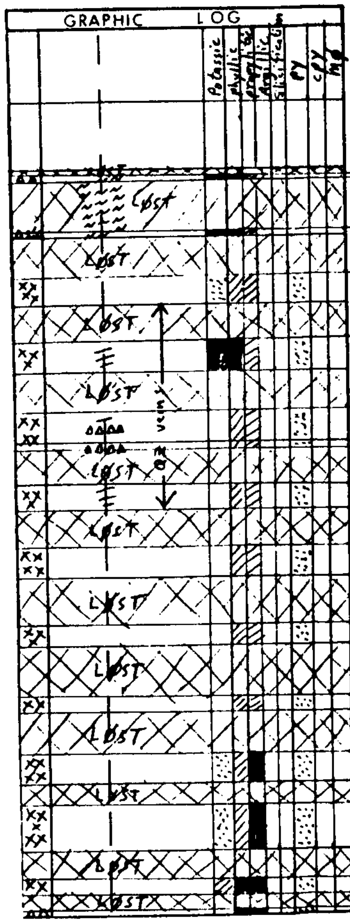
S	Drill coord system units	M/F	Total depth/length	AZM	V. ANG	Northing	Easting	Elevation
S		T	329.00	.	-90.00	-11670.00	-1230.00	4560.00

FILL IN COLUMN HEADINGS FOR HA/XX TYPE HEADINGS

Line	57–58	59–60	61–62	63–64	65–66	67–68	69–70	71–72	73–74
/	KF	MS	CL	KA	SI	P1	P2	P3	MØ
L	QZ	CB	QC	MC	LI	JA	C1	C2	C3

ROCK TYPE — VEINS — FRACTURES — ALTERATION — MINERALIZATION — METERAGE

GRAPHIC LOG (Potassic, Phyllic, Argillic, Advanced Argillic, Silicification, PY, CPY, MØ)



Meterage: 120', 120.6', 121, 129.5, 130', 136.3, 140', 145', 150', 155.2, 160', 161', 168.3, 170', 175.5', 180', 187', 190', 198.9, 200', 206.7, 210', 212.6, 220', 225.7, 227, 229, 230'

DESCRIPTIVE REMARKS

(121' – 130') FAULTED ALTERED ANDESITE BRECCIA
Colour is medium greenish-greyish-pink.

(130' – 227') QUARTZ MONZONITE PORPHYRY
Colour varies from medium greenish-grey to medium greenish-greyish-pink to light greenish-greyish-white.

150' – 170': Core is bleached.

(227' – 329') ALTERED ANDESITE AND ALTERED ANDESITE BRECCIA.
Colour varies from dark greenish-grey to medium greenish-greyish-pinkish-orange.

A (1)	4	From (5–10)	To (11–16)	Recov (18–20)	T-Mod (21–22)	% Mix (23)	Rock (24–27)	Qz Veins (43–46)	57–58	59–60	61–62	63–64	67–68
P		110.00	120.00		BR		ANDS		E8	P7	P6		D.
L									>.			Ø	
N		110.00	118.50			X	LØST						
P		120.00	121.00		BR		ANDS		E8	P7	P6		
L									>)				
N		120.00	120.60			X	LØST						
P		121.00	130.00		SH		ANDS		E8	P7	P6		
N		121.00	129.50			X	LØST						
P		130.00	140.00		PP		QZMZ		E2	P5	P5		D.
N		130.00	136.30			X	LØST						
P		140.00	150.00		PP		QZMZ		E8	P7	P5		D.
L									>)				
N		140.00	145.00			X	LØST						
P		150.00	160.00		PP		QZMZ			Ø4	Ø4		D.
L											>.		
N		150.00	155.20			X	LØST						
D		158.00	159.00		BR								
P		160.00	170.00		PP		QZMZ			Ø4	Ø4		D.
L									>.				
N		161.00	168.30			X	LØST						
D		160.00	161.00		BR								
P		170.00	180.00		PP		QZMZ			P5	P5		D.
N		170.00	175.50			X	LØST						
P		180.00	190.00		PP		QZMZ			P6	P5		D.
L												Ø	
N		180.00	187.00			X	LØST						
P		190.00	200.00		PP		QZMZ			P6	P6		D)
L												Ø	
N		190.00	198.90			X	LØST						
P		200.00	210.00		PP		QZMZ		E2	P5	P7		D.
N		200.00	206.70			X	LØST						
P		210.00	220.00		PP		QZMZ		E2	P5	P7		D.
N		210.00	212.60			X	LØST						
A	1	210.00	220.00		S	I	278						
P		220.00	227.00		PP		QZMZ		E4	P7	P7		D.
N		220.00	225.70			X	LØST						
P		227.00	230.00		BR		ANDS			P7	P7		D.
N		227.00	229.00			X	LØST						

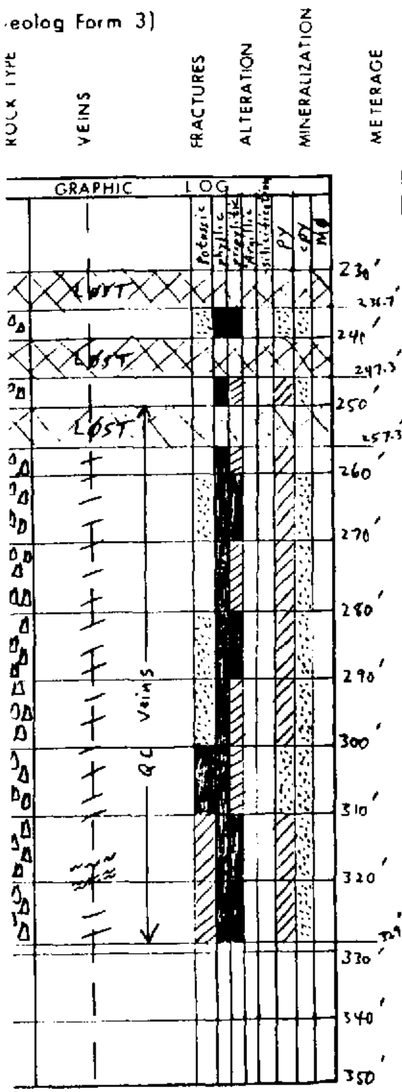
↖ AL ANDS +
AL ANDS BRXX

SP 1988

PLACER
DOME
INC.
(Geolog Form 3)

1DEN680201	Project: V-243	Drill hole / traverse: DDH 75-5		AUG	89	JFB	75		4 / 4
Drill coord. system units: S	M/F: T	Total depth/length: 329.00	AZM:	V. ANG: -70.00		Northing: -16700.00	Easting: -1230.00	Elevation: 4560.00	

Fill in column headings for HA/XX type headings: KF MS CL KA SI PI P2 P3 MØ / QZ CB QC MC LI JA C1 C2 C3



DESCRIPTIVE REMARKS

230'–250': Local bleaching exists.

240'–250': Trace bornite is present.

260'–280': Trace bornite is present.

Card (1, 4)	From (5–10)	To (11–16)	RQD / Recov (18–20)	T-Mod / CS (21–23)	Rock (24–27)	57–58	59–62	63–64	65–66	67–68	69–70	71–72
P	230.00	240.00		BR	ANDS	E2	P7P7			D•	<•	
L								Ø			D•	
N	230.00	236.70		X	LØST							
P	240.00	250.00		BR	ANDS		P7P5			D)	<)	
L											D•	<•
N	240.00	247.30		X	LØST							
P	250.00	260.00		BR	AMUS		P7P6			D)	<)	
L							>)					
N	250.00	257.30		X	LØST							
P	260.00	270.00		BK	ANDS	E2	P7P7			D)	<)	
L							>•				D•	<•
A1	260.00	270.00		51	279							
P	270.00	280.00		BR	ANDS		P7P6			D)	<)	
L							>•				D•	<•
A1	270.00	280.00		51	280							
P	280.00	290.00		BR	ANDS	E2	P7P7			D●	<●	>●
L							>•				D•	<•
A1	280.00	290.00		51	281							
P	290.00	300.00		BR	ANDS	E2	P7P6			D)	<)	
L							>•				D•	<•
A1	290.00	300.00		51	282							
P	300.00	310.00		BR	ANDS	E8	P7P6			D•	<•	>•
L							>●				D•	
A1	300.00	310.00		51	283							
P	310.00	320.00		BR	ANDS	E4	P7P7			D●	<●	>●
L							>●		C		D•	
N	317.60	317.70		S8X	SHER							
N	317.40	320.00		S8X	SHER							
A1	310.00	320.00		51	284							
P	320.00	329.00		BR	ANDS	E4	P7P7			D●	<●	>●
L							>)		C		D•	<•
A1	320.00	329.00		51	285							

SF 1988

Assay Results for DDH73-1

Footage	Au (ppm)	As (ppm)	Sample No.	Laboratory Project No.
10'-20'	0.08	3	51301	9475
20'-30'	0.05	2	51302	9475
30'-40'	0.04	3	51303	9475
40'-50'	0.06	<2	51304	9475
50'-60'	0.04	<2	51305	9475
60'-70'	0.07	<2	51306	9475
70'-80'	0.06	<2	51307	9475
80'-90'	0.21	<2	51308	9475
90'-100'	0.06	<2	51309	9475
100'-110'	0.06	2	51310	9475
110'-120'	0.05	3	51311	9475
120'-130'	0.05	<2	51312	9475
130'-140'	0.14	2	51313	9475
140'-150'	0.06	<2	51314	9475
150'-160'	0.03	<2	51315	9475
160'-170'	0.07	<2	51316	9475
170'-180'	0.04	<2	51317	9475
180'-190'	0.04	2	51318	9475
190'-200'	0.03	<2	51319	9475
200'-210'	0.06	2	51320	9475
210'-220'	0.06	3	51321	9475
220'-230'	0.04	<2	51322	9475
230'-240'	0.03	2	51323	9475
240'-250'	0.03	<2	51324	9475
250'-260'	0.18	2	51325	9475
260'-270'	0.17	3	51126	9475
270'-280'	0.44	<2	51127	9475
280'-290'	0.17	<2	51128	9475
290'-300'	0.02	5	51129	9475
300'-310'	0.04	<2	51130	9475
310'-320'	0.04	<2	51131	9475
320'-330'	0.10	<2	51132	9475
330'-340'	0.08	<2	51133	9475
340'-350'	0.38	5	51134	9475
350'-360'	0.12	<2	51135	9475
360'-370'	0.12	2	51136	9475
370'-380'	0.06	<2	51137	9475
380'-390'	0.31	3	51138	9475
390'-400'	0.27	2	51139	9475
400'-410'	0.20	<2	51140	9475
410'-417'	0.21	<2	51141	94751

Assay Results for DDH73-2

Footage	Au (ppm)	As (ppm)	Sample No.	Laboratory Project No.
6'-20'	0.34	<2	51142	9475
20'-30'	0.24	<2	51143	9475
30'-40'	0.22	<2	51144	9475
40'-50'	0.21	<2	51145	9475
50'-60'	0.10	<2	51145	9475
60'-70'	0.22	<2	51147	9475
70'-80'	0.32	<2	51148	9475
80'-90'	0.11	3	51149	9475
90'-100'	0.33	<2	51150	9475
100'-110'	0.13	<2	51001	9475
110'-120'	0.24	<2	51002	9475
120'-130'	0.24	3	51003	9475
130'-140'	0.10	<2	51004	9475
140'-150'	0.21	<2	51005	9475
150'-160'	0.48	<2	51006	9475
160'-170'	1.23	2	51007	9475
170'-180'	0.34	3	51008	9475
180'-190'	0.20	<2	51009	9475
190'-200'	0.24	<2	51010	9475
200'-210'	0.37	<2	51011	9475
210'-220'	0.56	<2	51012	9475
220'-230'	0.21	<2	51013	9475
230'-240'	0.55	<2	51014	9475
240'-250'	0.38	3	51015	9475
250'-260'	0.16	2	51016	9475
260'-270'	0.18	<2	51017	9475
270'-280'	0.18	<2	51018	9475
280'-290'	0.30	3	51019	9475
290'-300'	0.34	<2	51020	9475
300'-310'	0.24	2	51021	9475
310'-320'	0.28	<2	51022	9475
320'-330'	0.52	<2	51023	9475
330'-340'	0.40	<2	51024	9475
340'-350'	0.69	<2	51025	9475
350'-360'	0.46	<2	51026	9475
360'-370'	0.53	<2	51027	9475
370'-380'	0.43	<2	51028	9475
380'-390'	0.57	<2	51029	9475
390'-400'	0.58	<2	51030	9475
400'-410'	0.30	<2	51031	9475
410'-420'	0.58	<2	51032	9472
420'-430'	0.29	3	51033	9475
430'-440'	0.28	<2	51034	9475
440'-450'	0.43	<2	51035	9475
450'-460'	0.50	<2	51036	9475
460'-470'	0.46	<2	51037	9475
470'-480'	0.44	<2	51038	9475
480'-490'	0.44	3	51039	9475
490'-500'	0.37	<2	51040	9475
500'-510'	0.41	2	51041	9475

	Au	As		
510'-520'	0.41	<2	51042	9475
520'-530'	0.61	<2	51043	9475
530'-540'	0.32	2	51044	9475
540'-550'	0.46	<2	51045	9475
550'-560'	0.60	<2	51046	9475
560'-572'	0.66	<2	51047	9475

Assay Results for DDH73-3

Footage	Au (ppm)	As (ppm)	Sample No.	Laboratory Project No.
30'-40'	0.13	<2	51219	9433
40'-50'	0.06	<2	51220	9494
50'-60'	0.01	<2	51242	9494
60'-70'	0.07	<2	51221	9433
70'-80'	0.01	<2	51243	9494
80'-90'	0.04	<2	51244	9494
90'-100'	0.04	<2	51245	9494
110'-120'	0.04	<2	51222	9475
120'-130'	0.04	<2	51223	9494
170'-180'	0.10	<2	51224	9494
180'-190'	0.11	2	51225	9494
190'-200'	0.09	<2	51226	9494
200'-210'	0.12	<2	51227	9494
210'-220'	0.07	3	51228	9494
230'-240'	0.13	<2	51229	9494
240'-250'	0.06	3	51230	9494
250'-260'	0.06	<2	51231	9494
260'-270'	0.18	<2	51232	9494
290'-300'	0.16	<2	51233	9494
390'-400'	0.07	9	51234	9494
400'-410'	0.07	13	51235	9494
410'-420'	0.36	<2	51236	9494
420'-430'	0.10	<2	51237	9494
430'-440'	0.06	<2	51238	9494
460'-470'	0.04	<2	51239	9494
470'-480'	0.02	<2	51240	9494
480'-490'	0.14	<2	51241	9494

Assay Results for DDH75-1

Footage	Au (ppm)	As (ppm)	Sample No.	Laboratory Project No.
30'-40'	0.14	3	51066	9475
40'-50'	0.10	<2	51067	9475
50'-60'	0.22	<2	51068	9475
60'-70'	0.20	<2	51069	9475
70'-80'	0.19	3	51070	9475
80'-90'	0.15	<2	51071	9475
90'-100'	0.17	<2	51072	9475
100'-110'	0.14	2	51073	9494
110'-120'	0.14	<2	51074	9494
120'-130'	0.60	2	51075	9475
130'-140'	0.11	4	51076	9475
140'-150'	0.13	3	51077	9475
150'-160'	0.09	5	51078	9475
160'-170'	0.30	<2	51079	9475
170'-180'	0.14	<2	51080	9475
180'-190'	0.08	2	51081	9475
190'-200'	0.04	<2	51082	9475
200'-210'	0.13	<2	51083	9475
210'-220'	0.07	<2	51084	9475
220'-230'	0.05	<2	51085	9475
230'-240'	0.05	3	51086	9475
240'-250'	0.03	<2	51087	9475
250'-260'	0.02	<2	51088	9475
260'-270'	<0.01		51089	9433
270'-280'	0.03		51090	9433
280'-290'	0.03		51091	9433
290'-300'	0.02	2	51092	9475
300'-310'	0.46		51093	9433
310'-320'	0.28		51094	9433
320'-330'	0.13		51095	9433
330'-340'	0.06		51096	9433
340'-350'	0.47		51097	9433
350'-360'	0.10		51098	9433
360'-370'	0.04		51099	9433
370'-380'	0.08	<2	51100	9475
390'-400'	0.12		51201	9433
400'-410'	0.02		51202	9433
410'-420'	0.02		51203	9433
420'-430'	0.04	2	51204	9475
430'-440'	0.04	<2	51205	9475

Assay Results for DDH75-2

Footage	Au (ppm)	As (ppm)	Sample No.	Laboratory Project No.
30'-40'	0.37	3	51206	9475
40'-50'	0.43	<2	51207	9475
160'-170'	0.18	3	51208	9475
170'-180'	0.08	<2	51209	9475
270'-280'	0.12	3	51210	9475
290'-300'	0.16	2	51211	9475
320'-330'	0.15	3	51212	9475
330'-340'	0.11	<2	51213	9475
450'-460'	0.10	<2	51332	9494
460'-470'	0.03	<2	51333	9494
470'-480'	0.10	<2	51334	9494
480'-490'	0.08	<2	51335	9494
490'-500'	0.28	<2	51336	9494
500'-510'	0.14	<2	51337	9494
510'-520'	0.09	<2	51338	9494
520'-530'	0.12	<2	51339	9494
530'-540'	0.21	<2	51340	9494
540'-550'	0.18	<2	51341	9494
550'-560'	0.12	<2	51342	9494
560'-570'	0.13	<2	51214	9475
570'-580'	0.24	<2	51343	9494
580'-590'	0.46	<2	51344	9494
590'-600'	0.14	<2	51215	9475
600'-610'	0.12	<2	51216	9475
610'-620'	0.24	<2	51345	9494
620'-630'	0.16	<2	51346	9494
630'-640'	0.16	<2	51347	9494
640'-650'	0.08	<2	51348	9494
650'-660'	0.11	<2	51349	9494
660'-670'	0.14	<2	51350	9494
670'-680'	0.12	<2	51351	9494
680'-690'	0.12	<2	51352	9494
690'-700'	0.12	<2	51353	9494
700'-710'	0.16	4	51217	9494
710'-720'	0.16	4	51218	9494
720'-730'	0.08	<2	51354	9475
730'-740'	0.02	<2	51355	9475
740'-750'	0.06	2	51356	9475
750'-760'	0.05	<2	51357	9475
760'-770'	0.05	2	51358	9475
770'-780'	0.08	<2	51359	9475
780'-790'	0.02	<2	51360	9475

Assay Results for DDH73-3

Footage	Au (ppm)	As (ppm)	Sample No.	Laboratory Project No.
30'-40'	0.13	<2	51219	9433
40'-50'	0.06	<2	51220	9494
50'-60'	0.01	<2	51242	9494
60'-70'	0.07	<2	51221	9433
70'-80'	0.01	<2	51243	9494
80'-90'	0.04	<2	51244	9494
90'-100'	0.04	<2	51245	9494
110'-120'	0.04	<2	51222	9475
120'-130'	0.04	<2	51223	9494
170'-180'	0.10	<2	51224	9494
180'-190'	0.11	2	51225	9494
190'-200'	0.09	<2	51226	9494
200'-210'	0.12	<2	51227	9494
210'-220'	0.07	3	51228	9494
230'-240'	0.13	<2	51229	9494
240'-250'	0.06	3	51230	9494
250'-260'	0.06	<2	51231	9494
260'-270'	0.18	<2	51232	9494
290'-300'	0.16	<2	51233	9494
390'-400'	0.07	9	51234	9494
400'-410'	0.07	13	51235	9494
410'-420'	0.36	<2	51236	9494
420'-430'	0.10	<2	51237	9494
430'-440'	0.06	<2	51238	9494
460'-470'	0.04	<2	51239	9494
470'-480'	0.02	<2	51240	9494
480'-490'	0.14	<2	51241	9494

Assay Results for DDH75-4

Footage	Au (ppm)	As (ppm)	Sample No.	Laboratory Project No.
80'-90'	0.12	2	51246	9494
130'-140'	<0.01	<2	51330	9494
140'-150'	<0.01	<2	51331	9494

Assay Results for DDH75-5

Footage	Au (ppm)	As (ppm)	Sample No.	Laboratory Project No.
50'-60'	0.40	<2	51247	9494
60'-70'	0.20	<2	51248	9494
70'-80'	0.30	<2	51249	9494
80'-90'	0.24	<2	51250	9494
90'-100'	0.09	<2	51276	9494
100'-110'	0.25	<2	51277	9494
210'-220'	0.03	<2	51278	9494
260'-270'	0.14	<2	51279	9494
270'-280'	0.22	<2	51280	9494
280'-290'	0.14	<2	51281	9494
290'-300'	0.19	<2	51282	9494
300'-310'	0.06	<2	51283	9494
310'-320'	0.10	<2	51284	9494
320'-329'	0.10	<2	51285	9494

APPENDIX NO 4

Analysis Techniques

GENERAL TEST.

GEOCHEM

GENERAL TEST

Elements: Mo Cu Zn Pb Cd Ni Co Ag Mn

Procedure:

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

2. Add 1 mL of HNO_3 followed by 2 mL $HClO_4$. Samples containing carbonates may react vigorously at first so add 1 mL HNO_3 and let stand until the reaction stops before adding 2 mL $HClO_4$.

3. Place tubes in test tube block on hot plate at 160°C. The samples will boil vigorously at first and then decrease as the HNO_3 boils away. Organic samples should be watched to see that they do not foam. If they do foam, then take the test tube out of the block and gently tap the bottom of the tube on an asbestos pad. Highly organic soils can be handled by adding the acid and letting them stand overnight.

   The temperature of the hot plate should be set so that after the HNO_3 boils away (45 min ⟶ 1 h), then the $HClO_4$ boils gently and refluxes down the sides of the test tube. Total digestion time is 4 hours.

4. Cool the sample by adding 6 mL demineralized water and immersing the test tube rack in cold water for 2 min. After cooling, bring the volume up to 10 mL, cap, and shake.

5. Read on AA using air/acetylene flame for all elements except Mo which should be run using N_2O/acetylene flame. Background correction should be used on Pb, Cd, Ag. Turn burner head for Zn.

/ojt
1988-01-15

..... /2

Mo, Cu, Zn, Pb, Ag
GEOCHEM.

Standards:

- all standards are made in 15% $HClO_4$
- factor is 20

	Standard Concentrate (µg/ml)	AA Setting (ppm)
Cu Zn Pb Co Ni Mn	5.0	100
	10.0	200
Mo	1.0	20
	2.0	40
	4.0	80
Cd	0.10	2.0
	0.50	10.0
	1.00	20.0
Ag	0.50	1.0
	0.10	2.0
	0.20	4.0

add 2ml per 100
20% $AlCl_3$ to
STD

Samples giving a reading above the high standard are diluted 1 to 10 with 15% $HClO_4$ and re-analyzed.

Wavelengths:

Mo	313.3 nm
Cu	324.7
Zn	213.8
Pb	283.3
Cd	228.0
Ni	232.0
Co	240.7
Mn	279.5
Ag	328.0

/ojt
1988-01-15

Au

GEOCHEM

GOLD TEST

Procedure:

1. Weigh 10.0 g sample into #07 crucible.
2. Heat in furnace for 1 1/2 h @ 600°C.
3. Cool, transfer to 150 mL glass beaker and add 30 mL Aqua Regia (3 parts HCl, 2 parts H_2O, add 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 test tube.
8. Add 7 mL MIBK, cap, and shake in shaker for 3 min.
9. Read organic layer on A.A.

Standards:

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

   0.1 mL of 1000µg/mL Au standard = 1 ppm
   0.2 mL of 1000µg/mL Au standard = 2 ppm
   0.4 mL of 1000µg/mL Au standard = 4 ppm

2. Add 100 mL MIBK and shake for 3 min.
3. Drain aqueous layer.

   For higher samples, standards can be made in 30% aqua regia and the remaining half of the sample can be run in the aqueous phase.

/ojt
1987-11-24

Au
ASSAY METHO

DETERMINATION OF AU BY FIRE ASSAY & ATOMIC ABSORPTION

1. Weigh out 25 g sample into a 40 g fire assay crucible containing 150 g flux (2 parts PbO:1 part Na_2CO_3), and 25 g silica flour.

2. Add 1 1/2 tsp flour (~4.5 g) and 1 silver inquart.

3. Mix thoroughly with a large spatula until homogeneous and cover with a thin layer of flux.

4. Place the crucible in a preheated (2000°F) furnace for 45 min.

5. Remove the molten assay from the furnace and pour into an iron mold. Allow to cool for ~20 min.

6. Break the slag from the lead button and hammer into a cube for cupellation.

7. Place the lead button on a preheated cupel.

8. When cupellation has been completed, the cupel is removed from the furnace and allowed to cool.

9. The prill is removed from the cupel and transferred to a graduated test tube.

10. 5 mL 25% HNO_3 is added to each test tube and the test tube rack is placed in a boiling water bath.

11. Continue heating until all Ag is in solution (no bubbling, and Au appears as black speck.)

12. Cool, decant off acid solution. Wash once with 10 mL deionized H_2O, and decant off H_2O.

13. To each test tube add 0.3 mL acid mixture (5 HCl:1 HNO_3) using a pipette.

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HCW/LDO:ojt
1988-09-16
File No. M-002

HU
ASSAY METHOD

14. Return test tube rack to water bath and heat until all Au is in solution.

15. Wash down the side of test tube, heat for another 15 min.

16. Remove, cool, and bulk to appropriate volume; making sure the final acid strength is 5% HCl and 1% HNO_3.

17. Stopper test tube & mix by shaking.

18. Run on Atomic Absorption instrument vs Au standards (0-15 ppm).

19. Calculate amount of gold present in sample.

$$\text{ppm Au} = \frac{(\text{AA Reading [ug/mL]})}{\text{Wt Sample (g)}} \times (\text{Volume [mL]})$$

HCW/LDO:ojt
1988-09-16
File No. M-002

APPENDIX NO 5

Soil and Rock Analyses

V243 BALL CREEK - SOIL ANALYTICAL RESULTS

NTS	LINE	STATION	PROJTYPE	Ag ppm	As ppm	Au1 ppb	Cu ppm	Mo ppm	Pb ppm	Zn ppm
104G8	L200W	720S	9198L	0.4	71	35	77	2	30	127
104G8	L200W	760S	9198L	0.6	94	75	141	7	71	167
104G8	L200W	800S	9198L	0.5	44	25	56	5	18	157
104G8	L200W	840S	9198L	0.7	20	35	25	2	15	94
104G8	L200W	880S	9198L	0.4	52	35	25	2	15	104
104G8	L200W	920S	9198L	0.2	70	25	36	7	20	100
104G8	L200W	960S	9198L	0.5	67	65	24	19	20	103
104G8	L200W	1000S	9198L	1.1	115	35	20	3	16	240
104G8	L200W	1040S	9198L	0.8	212	20	37	3	17	148
104G8	L200W	1080S	9198L	0.4	490	10	40	3	24	125
104G8	L200W	1120S	9198L	0.8	165	10	38	3	16	173
104G8	L200W	1160S	9198L	0.6	110	10	35	5	18	134
104G8	L200W	1200S	9198L	0.2	190	5	30	4	28	70
104G8	L200W	1240S	9198L	0.6	200	15	31	10	20	154
104G8	L200W	1280S	9198L	0.3	170	20	30	5	22	87
104G8	L200W	1320S	9198L	0.9	155	10	40	8	21	108
104G8	L200W	1360S	9198L	0.9	63	185	530	45	40	87
104G8	L200W	1400S	9198L	0.8	180	140	41	3	18	117
104G8	L200W	1440S	9198L	0.7	136	15	50	3	26	114
104G8	L200W	1480S	9198L	1.1	127	10	43	2	26	106
104G8	L200W	1520S	9198L	0.4	128	40	36	2	26	87
104G8	L200W	1560S	9198L	0.9	148	20	40	3	32	88
104G8	L200W	1600S	9198L	0.5	154	20	41	3	24	111
104G8	L200W	1640S	9198L	0.7	105	20	35	2	20	117
104G8	L200W	1680S	9198L	0.3	77	20	31	2	20	95
104G8	L200W	1760S	9198L	0.2	98	15	33	3	32	83
104G8	L200W	1800S	9198L	1.2	98	35	78	14	62	164
104G8	L200W	1840S	9198L	1.0	69	10	65	4	29	97
104G8	L200W	1880S	9198L	0.4	73	15	48	2	24	98
104G8	L200W	1920S	9198L	0.3	78	15	45	4	33	122
104G8	L200W	1960S	9198L	0.9	71	25	65	6	34	193
104G8	L400W	680S	9198L	0.7	126	105	139	6	49	132
104G8	L400W	720S	9198L	0.6	44	20	31	3	20	64
104G8	L400W	760S	9198L	0.3	70	15	30	3	26	77
104G8	L400W	800S	9198L	1.1	480	5	26	4	32	58
104G8	L400W	840S	9198L	0.5	250	25	37	3	24	71
104G8	L400W	880S	9198L	0.6	154	40	32	3	23	58
104G8	L400W	920S	9198L	0.6	84	45	49	2	18	102
104G8	L400W	960S	9198L	0.5	166	45	40	25	27	137
104G8	L400W	1000S	9198L	0.7	500	20	24	18	42	73
104G8	L400W	1040S	9198L	1.3	1020	55	24	7	38	75
104G8	L400W	1080S	9198L	0.8	490	55	34	3	155	72
104G8	L400W	1120S	9198L	0.8	250	40	43	2	57	74
104G8	L400W	1160S	9198L	1.0	290	40	61	13	30	72
104G8	L400W	1200S	9198L	0.2	510	10	26	2	23	52
104G8	L400W	1240S	9198L	0.3	120	25	36	3	32	54
104G8	L400W	1280S	9198L	1.4	92	15	54	2	30	85
104G8	L400W	1320S	9198L	1.0	84	30	32	2	25	56
104G8	L400W	1360S	9198L	1.2	67	10	41	2	22	83
104G8	L400W	1400S	9198L	0.6	220	50	69	1	43	142
104G8	L400W	1440S	9198L	1.6	183	65	54	1	52	116
104G8	L400W	1480S	9198L	0.5	145	15	60	1	21	144
104G8	L400W	1520S	9198L	0.4	89	170	42	4	30	80
104G8	L400W	1560S	9198L	0.6	170	45	66	1	33	130
104G8	L400W	1600S	9198L	1.4	141	45	87	40	29	121
104G8	L400W	1640S	9198L	0.5	70	35	46	4	25	100
104G8	L400W	1680S	9198L	0.6	200	40	83	42	29	114
104G8	L400W	1720S	9198L	1.1	76	30	64	18	83	90
104G8	L400W	1760S	9198L	1.3	88	30	62	14	64	154
104G8	L400W	1800S	9198L	0.8	60	230	100	3	35	128
104G8	L400W	1840S	9198L	0.9	39	20	35	4	24	46
104G8	L400W	1880S	9198L	1.2	54	35	58	6	28	97

104G8	L400W	1920S	9198L	0.9	58	20	53	3	33	77
104G8	L400W	1960S	9198L	0.7	59	30	65	4	33	77
104G8	L400W	2000S	9198L	0.4	75	40	60	5	38	88
104G8	L600W	760S	9198L	0.7	123	165	51	0.5	30	77
104G8	L600W	800S	9198L	0.6	46	45	34	1	14	65
104G8	L600W	840S	9198L	0.7	65	40	25	2	27	76
104G8	L600W	880S	9198L	0.6	43	45	39	1	24	100
104G8	L600W	920S	9198L	0.6	66	25	34	2	23	60
104G8	L600W	960S	9198L	0.7	90	35	48	2	28	93
104G8	L600W	1000S	9198L	1.0	170	75	46	2	41	78
104G8	L600W	1040S	9198L	0.4	46	10	55	39	54	205
104G8	L600W	1080S	9198L	0.1	50	2.5	14	12	38	200
104G8	L600W	1120S	9198L	1.4	31	10	63	16	13	255
104G8	L600W	1160S	9198L	0.9	240	95	43	4	37	80
104G8	L600W	1200S	9198L	0.5	78	25	43	5	32	142
104G8	L600W	1240S	9198L	0.5	45	120	48	22	29	80
104G8	L600W	1280S	9198L	1.4	29	10	62	16	20	54
104G8	L600W	1320S	9198L	0.2	80	50	69	22	74	217
104G8	L600W	1360S	9198L	0.4	120	30	44	16	50	97
104G8	L600W	1400S	9198L	1.8	44	50	188	60	47	100
104G8	L600W	1440S	9198L	0.7	81	15	60	6	28	103
104G8	L600W	1480S	9198L	0.2	41	50	130	8	26	196
104G8	L600W	1520S	9198L	0.6	35	40	57	12	24	67
104G8	L600W	1560S	9198L	0.6	4	55	223	70	10	760
104G8	L600W	1600S	9198L	0.4	10	30	188	29	20	130
104G8	L600W	1640S	9198L	0.9	20	35	38	9	33	63
104G8	L600W	1680S	9198L	1.5	31	30	42	6	23	52
104G8	L600W	1720S	9198L	0.4	53	30	54	4	26	62
104G8	L600W	1760S	9198L	0.8	42	45	54	4	31	53
104G8	L600W	1800S	9198L	0.3	79	50	115	6	36	71
104G8	L600W	1840S	9198L	0.6	80	60	100	4	71	140
104G8	L600W	1880S	9198L	0.7	56	55	90	2	34	86
104G8	L600W	1920S	9198L	1.4	46	50	56	4	34	81
104G8	L600W	1960S	9198L	0.6	56	20	66	6	48	79
104G8	L600W	2000S	9198L	1.2	170	25	50	3	58	106
104G8	L600W	2040S	9213L	2.1	187	110	171	4	47	170
104G8	L600W	2080S	9213L	0.6	6	45	151	28	13	86
104G8	L600W	2120S	9213L	0.6	28	35	108	11	22	75
104G8	L600W	2160S	9213L	0.4	92	30	47	2	44	160
104G8	L600W	2200S	9213L	2.0	73	70	61	4	72	115
104G8	L600W	2240S	9213L	1.5	45	25	90	5	66	92
104G8	L600W	2280S	9213L	2.3	38	25	128	3	54	1420
104G8	L600W	2320S	9213L	1.7	27	30	109	3	40	73
104G8	L600W	2360S	9213L	1.7	75	10	82	4	55	61
104G8	L600W	2400S	9213L	1.0	64	30	127	3	66	92
104G8	L600W	2440S	9213L	1.1	49	40	112	4	48	106
104G8	L600W	2480S	9213L	1.4	61	40	130	5	68	63
104G8	L600W	2520S	9213L	1.1	107	65	91	5	86	103
104G8	L600W	2560S	9213L	2.3	143	30	65	4	103	145
104G8	L600W	2600S	9213L	0.9	50	25	47	5	42	69
104G8	L600W	2640S	9213L	2.6	189	330	69	5	360	171
104G8	L600W	2680S	9213L	0.5	60	25	35	4	54	77
104G8	L600W	2720S	9213L	1.2	68	30	46	4	54	80
104G8	L600W	2760S	9213L	0.6	69	30	50	3	59	102
104G8	L610W	2000S	9213L	0.4	133	35	55	5	42	97
104G8	L800W	800S	9213L	2.5	86	125	214	13	560	240
104G8	L800W	840S	9213L	1.1	133	20	110	2	22	102
104G8	L800W	880S	9213L	0.8	100	45	133	2	29	127
104G8	L800W	920S	9213L	0.3	120	75	253	13	64	144
104G8	L800W	960S	9213L	1.6	43	15	77	4	31	136
104G8	L800W	1000S	9213L	0.3	58	25	133	3	23	76
104G8	L800W	1040S	9213L	0.3	62	20	83	3	28	113
104G8	L800W	1080S	9213L	0.4	43	80	113	3	20	118
104G8	L800W	1120S	9213L	1.2	22	45	71	8	18	48
104G8	L800W	1160S	9213L	1.2	31	30	133	12	26	50
104G8	L800W	1200S	9213L	0.5	61	100	220	14	25	55

104G8	L800W	1240S	9213L	0.4	51	135	260	23	33	66
104G8	L800W	1280S	9213L	0.9	8	925	3900	200	40	105
104G8	L800W	1320S	9213L	0.5	11	20	60	5	25	36
104G8	L800W	1360S	9213L	0.7	18	55	78	5	20	57
104G8	L800W	1400S	9213L	0.4	8	15	27	3	14	53
104G8	L800W	1440S	9213L	0.2	28	75	50	4	31	67
104G8	L800W	1480S	9213L	0.3	23	35	34	5	44	77
104G8	L800W	1520S	9213L	0.3	9	15	31	4	19	55
104G8	L800W	1560S	9213L	0.3	5	15	28	4	20	42
104G8	L800W	1600S	9213L	1.1	6	11	23	3	21	49
104G8	L800W	1640S	9213L	0.9	3	2.5	19	3	21	53
104G8	L800W	1680S	9213L	0.5	19	150	77	15	37	137
104G8	L800W	1720S	9213L	0.7	3	10	27	6	71	87
104G8	L800W	1760S	9213L	0.4	18	110	45	3	24	91
104G8	L800W	1800S	9213L	0.5	16	1110	90	6	41	181
104G8	L800W	1840S	9213L	0.5	27	20	61	4	26	67
104G8	L800W	1880S	9213L	0.3	29	25	51	3	22	78
104G8	L800W	1920S	9213L	0.7	32	75	52	3	28	76
104G8	L800W	1960S	9213L	0.6	12	45	82	3	16	92
104G8	L800W	2000S	9213L	1.2	11	35	152	4	18	100
104G8	L800W	2040S	9213L	0.4	23	60	67	3	24	103
104G8	L800W	2080S	9213L	1.2	18	40	61	4	22	78
104G8	L800W	2120S	9213L	0.4	12	55	60	4	21	83
104G8	L800W	2160S	9213L	1.7	8	100	128	5	20	90
104G8	L800W	2200S	9213L	0.5	53	120	52	5	52	62
104G8	L800W	2235S	9213L	1.2	118	75	216	5	123	250
104G8	L1000W	920S	9213L	0.7	60	2.5	62	2	17	89
104G8	L1000W	960S	9213L	0.4	51	55	47	2	12	63
104G8	L1000W	1000S	9213L	0.2	43	70	222	7	25	85
104G8	L1000W	1040S	9213L	0.4	41	115	233	12	30	80
104G8	L1000W	1080S	9213L	1.0	43	245	148	12	33	60
104G8	L1000W	1120S	9213L	0.6	51	180	175	7	44	100
104G8	L1000W	1160S	9213L	0.9	55	40	53	4	40	56
104G8	L1000W	1200S	9213L	0.6	24	2.5	33	4	21	75
104G8	L1000W	1240S	9213L	1.1	24	2.5	51	5	21	83
104G8	L1000W	1280S	9213L	0.8	11	12	26	4	14	54
104G8	L1000W	1320S	9213L	0.5	26	80	72	6	21	61
104G8	L1000W	1360S	9213L	1.1	26	235	480	49	30	82
104G8	L1000W	1400S	9213L	0.3	23	45	46	9	16	65
104G8	L1000W	1440S	9213L	0.5	29	35	49	7	17	63
104G8	L1000W	1480S	9213L	0.7	28	35	42	5	14	76
104G8	L1000W	1520S	9213L	0.2	36	85	320	14	30	92
104G8	L1000W	1560S	9213L	0.4	13	200	2200	36	24	60
104G8	L1000W	1600S	9213L	0.2	9	115	760	15	11	78
104G8	L1000W	1640S	9213L	0.3	16	160	2750	30	17	63
104G8	L1000W	1680S	9213L	0.4	14	100	237	18	18	58
104G8	L1000W	1720S	9213L	0.2	13	100	1410	15	16	54
104G8	L1000W	1760S	9213L	1.7	13	300	1180	190	29	58
104G8	L1000W	1800S	9213L	0.1	1	50	510	8	9	45
104G8	L1000W	1840S	9213L	0.3	12	80	170	10	12	45
104G8	L1000W	1880S	9213L	0.3	4	30	67	9	14	54
104G8	L1000W	1920S	9213L	0.3	22	80	124	8	16	60
104G8	L1000W	1960S	9213L	0.2	13	45	67	6	11	69
104G8	L1000W	2040S	9213L	0.8	23	45	116	5	32	224
104G8	L1000W	2080S	9213L	0.4	47	80	163	8	51	136
104G8	L1000W	2120S	9213L	0.8	46	90	168	11	70	140
104G8	L1000W	2160S	9213L	1.0	9	30	376	23	34	84
104G8	L1000W	2200S	9213L	0.9	10	35	318	65	36	60
104G8	L1000W	2240S	9213L	0.9	88	120	48	25	230	284
104G8	L1000W	2280S	9213L	0.8	64	45	36	3	121	324
104G8	L1000W	2320S	9213L	0.4	38	75	62	5	47	118
104G8	L1000W	2360S	9213L	0.7	84	150	73	4	60	272
104G8	L1000W	2400S	9213L	0.6	30	10	53	5	33	84
104G8	L1000W	2440S	9213L	2.1	42	60	148	15	74	124
104G8	L1000W	2480S	9213L	0.8	56	90	53	5	35	94
104G8	L1000W	2520S	9213L	0.6	23	60	144	7	34	74

104G8	L1000W	2560S	9213L	0.8	27	65	78	7	45	71
104G8	L1000W	2600S	9213L	0.7	22	35	40	4	52	74
104G8	L1000W	2640S	9213L	3.1	11	75	262	52	194	134
104G8	L1000W	2680S	9213L	1.2	44	80	720	11	145	342
104G8	L1000W	2720S	9213L	3.0	99	125	140	3	1220	550
104G8	L1000W	2800S	9213L	1.4	106	50	52	2	610	249
104G8	L1000W	2840S	9213L	2.0	174	75	70	2	700	480
104G8	L1000W	2880S	9213L	4.0	91	80	76	2	1370	374
104G8	L1000W	2920S	9213L	1.2	86	65	53	3	102	167
104G8	L1000W	2960S	9213L	1.6	126	110	43	1	313	910
104G8	L1000W	3000S	9213L	0.7	181	120	11	0.5	83	160
104G8	L1000W	3040S	9213L	0.3	15	60	54	2	37	76
104G8	L1000W	3080S	9213L	0.7	39	75	55	3	74	83
104G8	L1200W	2000S	9213L	0.5	51	70	200	7	42	133
104G8	L1200W	2040S	9213L	0.1	23	60	53	2	22	130
104G8	L1200W	2080S	9213L	0.3	6	60	25	3	15	90
104G8	L1200W	2120S	9213L	0.2	11	15	44	1	18	88
104G8	L1200W	2160S	9213L	0.3	20	30	43	0.5	22	98
104G8	L1200W	2200S	9213L	0.2	6	15	14	0.5	15	73
104G8	L1200W	2240S	9213L	0.3	19	40	112	5	29	90
104G8	L1200W	2280S	9213L	0.1	17	25	47	1	21	98
104G8	L1200W	2320S	9213L	0.1	10	10	18	0.5	14	87
104G8	L1200W	2360S	9213L	0.1	34	10	20	1	15	105
104G8	L1200W	2400S	9213L	0.3	41	10	15	0.5	17	82
104G8	L1200W	2440S	9213L	0.2	55	80	31	0.5	18	102
104G8	L1200W	2480S	9213L	0.2	55	110	23	0.5	24	91
104G8	L1200W	2520S	9213L	1.2	260	1000	42	0.5	78	136
104G8	L1200W	2560S	9213L	1.7	53	110	88	0.5	1280	800
104G8	L1200W	2600S	9213L	3.3	95	260	1310	26	220	215
104G8	L1200W	2640S	9213L	2.5	54	190	253	14	232	120
104G8	L1200W	2680S	9213L	0.8	26	40	51	1	68	104
104G8	L1200W	2720S	9213L	0.8	76	55	43	1	76	170
104G8	L1200W	2760S	9213L	1.5	184	105	96	0.5	338	162
104G8	L1200W	2800S	9213L	2.9	132	125	69	0.5	2610	296
104G8	L1200W	2840S	9213L	1.9	280	150	113	0.5	342	235
104G8	L1200W	2880S	9213L	0.9	86	60	136	0.5	73	197
104G8	L1200W	2920S	9213L	0.4	120	60	50	0.5	77	134
104G8	L1200W	2960S	9213L	1.1	430	165	73	0.5	91	158
104G8	L1200W	3000S	9213L	0.3	530	250	26	0.5	161	121
104G8	L1200W	3040S	9213L	1.1	130	205	45	2	63	222
104G8	L1200W	3080S	9213L	0.2	58	10	26	6	55	109
104G8	L1200W	3120S	9213L	0.4	56	25	32	4	48	106
104G8	L1200W	3160S	9213L	1.1	11	2.5	25	3	20	49
104G8	L1200W	3200S	9213L	0.3	14	2.5	25	2	23	66
104G8	L1200W	3240S	9213L	0.2	23	350	30	2	38	77
104G8	L800W	2400S	9234L	3.3	57	15	75	3	186	140
104G8	L800W	2440S	9234L	1.5	30	50	188	5	47	168
104G8	L800W	2480S	9234L	1.2	37	20	51	3	58	169
104G8	L800W	2520S	9234L	0.6	12	2.5	27	3	33	80
104G8	L800W	2560S	9234L	0.3	44	20	74	3	68	87
104G8	L800W	2600S	9234L	2.2	37	15	46	2	43	90
104G8	L800W	2640S	9234L	1.8	27	35	61	3	70	133
104G8	L800W	2680S	9234L	1.2	90	165	346	9	309	590
104G8	L800W	2720S	9234L	2.7	300	75	72	4	84	98
104G8	L800W	2760S	9234L	1.3	53	25	66	4	75	154
104G8	L800W	2800S	9234L	0.8	100	50	114	5	220	330
104G8	L1100W	1400S	9234L	0.2	13	130	240	20	25	62
104G8	L1100W	1440S	9234L	0.7	12	195	460	38	30	76
104G8	L1100W	1480S	9234L	2.2	7	855	800	13	33	51
104G8	L1100W	1520S	9234L	0.2	17	40	198	13	22	66
104G8	L1100W	1560S	9234L	0.2	15	30	141	10	18	64
104G8	L1100W	1600S	9234L	0.1	13	35	171	15	19	78
104G8	L1100W	1640S	9234L	0.1	6	45	130	12	14	60
104G8	L1100W	1680S	9234L	0.2	22	45	220	11	24	71
104G8	L1100W	1720S	9234L	0.3	5	10	690	19	50	59
104G8	L1100W	1760S	9234L	0.1	4	75	1300	160	25	48

104G8	L1100W	1800S	9234L	0.3	22	30	96	6	19	85
104G8	L1100W	1840S	9234L	0.3	8	145	243	15	25	80
104G8	L1100W	1880S	9234L	0.1	14	2.5	83	4	17	85
104G8	L1100W	1920S	9234L	0.1	17	15	135	10	24	72
104G8	L1100W	1960S	9234L	0.4	23	15	96	6	36	83
104G8	L1100W	2000S	9234L	0.4	21	70	147	8	35	75
104G8	L1300W	2000S	9234L	0.7	58	60	101	2	60	183
104G8	L1300W	2040S	9234L	0.4	17	80	89	3	50	123
104G8	L1300W	2080S	9234L	0.1	11	2.5	64	2	28	97
104G8	L1300W	2120S	9234L	0.2	31	2.5	143	2	53	114
104G8	L1300W	2160S	9234L	0.1	1	2.5	26	1	21	66
104G8	L1300W	2200S	9234L	0.2	17	2.5	52	0.5	26	120
104G8	L1300W	2240S	9234L	0.1	13	2.5	26	0.5	20	107
104G8	L1300W	2280S	9234L	0.1	14	2.5	45	0.5	23	110
104G8	L1300W	2320S	9234L	0.1	9	2.5	24	0.5	15	86
104G8	L1300W	2360S	9234L	0.1	10	2.5	35	2	12	79
104G8	L1300W	2400S	9234L	0.1	23	2.5	39	2	12	75
104G8	L1300W	2440S	9234L	0.4	126	10	19	5	12	88
104G8	L1300W	2480S	9234L	0.1	16	2.5	23	2	14	90
104G8	L1300W	2520S	9234L	0.1	20	2.5	15	3	16	79
104G8	L1300W	2560S	9234L	0.1	69	25	17	1	25	92
104G8	L1300W	2600S	9234L	0.2	43	20	20	1	22	95
104G8	L1300W	2640S	9234L	0.7	45	20	22	2	27	97
104G8	L1300W	2680S	9234L	0.2	120	65	34	3	45	138
104G8	L1300W	2720S	9234L	0.1	55	5	40	4	75	132
104G8	L1300W	2760S	9234L	1.3	42	25	150	4	68	140
104G8	L1300W	2800S	9234L	0.7	72	50	65	2	187	230
104G8	L1400W	2000S	9234L	0.3	38	25	108	3	50	168
104G8	L1400W	2040S	9234L	0.4	17	2.5	48	3	28	88
104G8	L1400W	2080S	9234L	0.2	6	500	85	1	100	40
104G8	L1400W	2120S	9234L	0.1	8	30	37	3	22	89
104G8	L1400W	2160S	9234L	0.4	23	110	177	10	43	87
104G8	L1400W	2200S	9234L	0.1	18	2.5	40	1	18	87
104G8	L1400W	2240S	9234L	0.1	10	2.5	29	2	16	88
104G8	L1400W	2280S	9234L	0.1	7	2.5	40	1	15	91
104G8	L1400W	2320S	9234L	0.1	5	5	33	1	13	75
104G8	L1400W	2360S	9234L	0.3	4	2.5	20	2	14	70
104G8	L1400W	2400S	9234L	0.1	10	40	44	3	14	105
104G8	L1400W	2440S	9234L	0.1	12	10	21	2	13	82
104G8	L1400W	2477S	9234L	0.2	26	2.5	21	1	12	75
104G8	L1400W	2520S	9234L	0.1	22	20	23	1	13	75
104G8	L1400W	2560S	9234L	0.2	16	10	20	1	16	64
104G8	L1400W	2600S	9234L	0.1	49	20	18	1	22	108
104G8	L1400W	2640S	9234L	0.2	65	15	21	2	65	175
104G8	L1400W	2680S	9234L	0.7	57	60	56	2	71	130
104G8	L1400W	2720S	9234L	0.7	77	15	38	2	46	135
104G8	L1400W	2760S	9234L	1.1	57	25	91	4	83	113
104G8	L1400W	2800S	9234L	0.3	34	15	30	4	61	178
104G8	L1400W	2840S	9234L	0.8	36	10	30	2	51	74
104G8	L1400W	2880S	9234L	0.5	39	2.5	42	4	68	138
104G8	L1400W	2920S	9234L	1.5	24	15	30	2	52	530
104G8	L1400W	2960S	9234L	1.7	44	30	29	3	105	580
104G8	L1400W	3000S	9234L	0.8	41	10	40	3	66	770
104G8	L1400W	3080S	9234L	2.6	58	15	32	3	126	93
104G8	L1400W	3120S	9234L	1.6	77	2.5	35	2	115	82
104G8	L1400W	3160S	9234L	0.3	42	5	41	4	51	61
104G8	L1400W	3200S	9234L	0.3	135	15	41	7	84	115
104G8	L1410W	2200S	9234L	0.2	15	5	40	1	20	92
104G8	L1700W	2840S	9234L	1.6	29	300	510	27	143	80
104G8	L1700W	2880S	9234L	1.1	44	40	58	2	66	90
104G8	L1700W	2920S	9234L	1.0	73	45	74	4	93	170
104G8	L1700W	2960S	9234L	0.9	36	45	81	5	80	118
104G8	L1700W	3000S	9234L	0.6	40	65	100	10	125	157
104G8	L1700W	3040S	9234L	1.8	38	40	64	9	1380	1200
104G8	L1700W	3080S	9234L	0.3	100	25	18	7	34	620
104G8	L1700W	3120S	9234L	0.2	62	2.5	21	6	30	550

104G8	L1700W	3160S	9234L	1.1	340	1340	23	1	133	84
104G8	L1700W	3200S	9234L	0.5	233	20	25	4	41	71
104G8	L1710W	3200S	9234L	0.6	230	20	26	3	43	76
104G8	L1750W	2130S	9234L	0.1	14	2.5	38	0.5	17	82
104G8	L1750W	2160S	9234L	0.1	8	5	32	0.5	15	74
104G8	L1800W	2000S	9234L	0.7	28	5	36	1	85	157
104G8	L1800W	2040S	9234L	0.1	19	2.5	33	1	14	81
104G8	L1800W	2160S	9234L	0.3	8	2.5	14	3	15	71
104G8	L1800W	2200S	9234L	0.1	10	2.5	31	1	17	93
104G8	L1800W	2250S	9234L	0.1	7	10	33	0.5	19	82
104G8	L1800W	2280S	9234L	0.1	10	2.5	30	2	15	79
104G8	L1800W	2320S	9234L	0.1	10	5	23	1	14	78
104G8	L1800W	2400S	9234L	0.1	8	15	45	5	18	112
104G8	L1800W	2440S	9234L	0.1	11	10	51	1	15	85
104G8	L1800W	2480S	9234L	0.1	6	2.5	43	1	15	125
104G8	L1800W	2520S	9234L	0.1	20	5	31	1	13	80
104G8	L1800W	2560S	9234L	0.1	3	2.5	35	1	10	76
104G8	L1800W	2610S	9234L	0.3	81	110	50	1	19	96
104G8	L1800W	2680S	9234L	0.1	25	5	21	2	15	60
104G8	L1800W	2720S	9234L	0.1	390	50	38	3	30	103
104G8	L1800W	2760S	9234L	0.2	79	10	30	2	18	74
104G8	L1800W	2800S	9234L	0.2	54	2.5	22	2	16	97
104G8	L1800W	2840S	9234L	0.2	15	2.5	26	3	27	101
104G8	L1800W	2880S	9234L	1.1	9	25	88	3	95	161
104G8	L1800W	2920S	9234L	1.4	51	90	306	17	208	240
104G8	L1800W	2960S	9234L	0.8	13	100	83	10	90	92
104G8	L1800W	3000S	9234L	1.2	94	175	158	8	328	300
104G8	L1800W	3040S	9234L	0.6	79	25	37	21	55	190
104G8	L1800W	3080S	9234L	0.4	89	15	34	15	73	136
104G8	L1800W	3120S	9234L	1.4	38	25	35	3	51	102
104G8	L1800W	3160S	9234L	0.7	57	330	40	4	75	94
104G8	L1800W	3200S	9234L	0.9	105	5	46	5	50	65
104G8	L1900W	2560S	9234L	0.1	9	10	24	4	17	62
104G8	L1900W	2580S	9234L	0.1	10	2.5	35	2	14	91
104G8	L1900W	2760S	9234L	0.1	40	2.5	23	2	17	77
104G8	L1900W	2800S	9234L	0.1	105	10	44	2	27	110
104G8	L1900W	2840S	9234L	0.2	58	2.5	53	2	32	100
104G8	L1900W	2880S	9234L	0.4	89	260	94	6	43	62
104G8	L1900W	2920S	9234L	0.5	59	270	94	6	45	94
104G8	L1900W	2960S	9234L	1.3	53	25	92	8	97	127
104G8	L1900W	3000S	9234L	1.1	57	40	145	15	119	160
104G8	L1900W	3040S	9234L	0.2	25	25	63	2	31	136
104G8	L1900W	3085S	9234L	1.0	23	5	33	4	52	105
104G8	L1900W	3120S	9234L	0.6	55	10	41	5	93	87
104G8	L1900W	3160S	9234L	0.5	120	135	48	3	51	123
104G8	L2000W	2040S	9234L	0.1	11	2.5	31	2	15	63
104G8	L2000W	2160S	9234L	0.1	7	2.5	29	1	14	63
104G8	L2000W	2200S	9234L	0.1	7	2.5	23	2	13	63
104G8	L2000W	2240S	9234L	0.1	5	2.5	36	1	14	59
104G8	L2000W	2280S	9234L	0.1	6	2.5	33	1	14	56
104G8	L2000W	2320S	9234L	0.1	7	2.5	36	2	13	55
104G8	L2000W	2360S	9234L	0.2	11	2.5	80	2	18	62
104G8	L2000W	2400S	9234L	0.1	5	2.5	61	3	20	86
104G8	L2000W	2440S	9234L	0.2	8	2.5	54	2	16	80
104G8	L2000W	2480S	9234L	0.1	7	2.5	26	2	13	142
104G8	L2000W	2520S	9234L	0.2	18	2.5	31	1	10	70
104G8	L2000W	2560S	9234L	0.1	10	2.5	43	1	13	92
104G8	L2000W	2640S	9234L	0.2	16	10	42	2	30	63
104G8	L2000W	2680S	9234L	0.2	2	5	21	0.5	9	74
104G8	L2000W	2720S	9234L	0.2	140	2.5	29	1	13	95
104G8	L700W	800S	9247L	0.3	73	55	91	2	21	86
104G8	L700W	840S	9247L	0.6	62	35	115	5	28	104
104G8	L700W	880S	9247L	0.3	87	25	85	2	21	108
104G8	L700W	920S	9247L	0.4	93	80	100	4	95	276
104G8	L700W	960S	9247L	0.3	69	55	97	2	24	100
104G8	L700W	1000S	9247L	0.2	63	190	81	4	26	91

104G8	L700W	1040S	9247L	0.1	64	65	58	3	29	70
104G8	L700W	1080S	9247L	0.6	50	60	78	7	24	57
104G8	L700W	1120S	9247L	0.8	25	90	132	18	28	60
104G8	L700W	1160S	9247L	2.0	77	250	730	120	55	84
104G8	L700W	1200S	9247L	0.7	31	80	160	18	22	59
104G8	L700W	1240S	9247L	0.2	37	85	270	27	28	80
104G8	L700W	1280S	9247L	0.6	26	25	57	6	21	52
104G8	L700W	1320S	9247L	0.2	17	30	52	6	20	38
104G8	L700W	1360S	9247L	0.7	41	50	55	5	31	56
104G8	L700W	1400S	9247L	1.1	50	80	50	7	15	41
104G8	L700W	1440S	9247L	0.4	8	2.5	27	4	8	38
104G8	L700W	1480S	9247L	1.1	15	75	55	4	25	68
104G8	L700W	1520S	9247L	0.5	15	160	83	6	30	90
104G8	L700W	1560S	9247L	0.5	10	30	18	4	13	43
104G8	L700W	1600S	9247L	0.2	18	15	30	5	16	53
104G8	L700W	1640S	9247L	0.4	9	45	34	5	16	52
104G8	L700W	1680S	9247L	0.7	11	50	31	4	23	41
104G8	L700W	1720S	9247L	1.0	22	80	42	4	27	73
104G8	L700W	1760S	9247L	0.2	11	65	40	4	22	59
104G8	L700W	1800S	9247L	0.5	40	75	49	3	28	66
104G8	L700W	1840S	9247L	1.2	48	65	52	4	27	58
104G8	L700W	1880S	9247L	0.8	7	50	35	5	12	47
104G8	L700W	1920S	9247L	0.5	31	30	167	12	36	308
104G8	L700W	1960S	9247L	0.5	15	20	128	4	16	88
104G8	L700W	2000S	9247L	0.3	12	40	83	3	19	81
104G8	L800W	3040S	9247L	0.2	61	50	63	3	44	100
104G8	L800W	3080S	9247L	0.1	57	25	77	1	18	92
104G8	L800W	3120S	9247L	0.4	87	135	55	7	52	103
104G8	L800W	3160S	9247L	2.4	86	45	62	5	40	130
104G8	L800W	3200S	9247L	0.6	34	40	37	3	33	160
104G8	L800W	3240S	9247L	0.7	34	15	40	3	30	146
104G8	L800W	3280S	9247L	1.5	31	15	38	3	37	64
104G8	L800W	3320S	9247L	1.5	33	30	61	3	34	120
104G8	L800W	3360S	9247L	0.4	74	40	34	3	45	63
104G8	L800W	3400S	9247L	0.5	106	50	30	3	35	57
104G8	L800W	3440S	9247L	0.3	50	75	42	3	34	56
104G8	L800W	3480S	9247L	0.4	54	65	59	4	55	66
104G8	L800W	3520S	9247L	0.2	53	70	30	2	32	60
104G8	L800W	3560S	9247L	0.8	73	45	47	2	53	105
104G8	L800W	3600S	9247L	1.6	78	60	56	4	36	98
104G8	L800W	3640S	9247L	1.7	137	85	43	3	40	91
104G8	L800W	3680S	9247L	1.2	89	55	53	3	40	80
104G8	L800W	3720S	9247L	0.8	96	40	59	3	48	95
104G8	L800W	3760S	9247L	1.1	83	50	51	5	47	74
104G8	L800W	3800S	9247L	1.2	120	40	53	4	115	100
104G8	L800W	3840S	9247L	0.6	104	35	66	4	48	93
104G8	L800W	3880S	9247L	1.2	77	30	69	3	52	108
104G8	L800W	3920S	9247L	1.8	64	45	85	5	46	130
104G8	L800W	3960S	9247L	1.2	98	50	58	6	78	100
104G8	L800W	4000S	9247L	1.1	19	20	58	7	24	74
104G8	L800W	4040S	9247L	1.1	120	25	51	6	42	96
104G8	L800W	4080S	9247L	1.4	45	35	64	9	90	288
104G8	L800W	4120S	9247L	0.9	78	40	66	6	45	83
104G8	L800W	4160S	9247L	1.4	63	60	65	4	36	115
104G8	L800W	4200S	9247L	2.5	61	40	68	4	38	78
104G8	L800W	4240S	9247L	1.8	62	30	38	6	34	76
104G8	L800W	4280S	9247L	1.0	16	40	23	5	27	78
104G8	L800W	4320S	9247L	0.3	99	160	66	4	55	105
104G8	L800W	4360S	9247L	0.6	50	50	100	2	31	128
104G8	L800W	4400S	9247L	0.3	30	25	50	2	19	90
104G8	L800W	4440S	9247L	0.3	13	15	40	2	8	80
104G8	L800W	4480S	9247L	0.1	13	2.5	51	1	8	80
104G8	L800W	4520S	9247L	0.3	19	2.5	53	2	13	94
104G8	L800W	4560S	9247L	0.2	25	60	75	2	15	82
104G8	L800W	4600S	9247L	0.2	24	25	55	2	12	84
104G8	L900W	840S	9247L	0.3	61	40	73	2	16	83

104G8	L900W	880S	9247L	0.5	71	2.5	67	3	17	90
104G8	L900W	920S	9247L	0.5	67	2.5	50	2	15	76
104G8	L900W	960S	9247L	0.3	82	2.5	61	2	15	80
104G8	L900W	1000S	9247L	0.3	45	10	85	2	34	97
104G8	L900W	1040S	9247L	0.2	43	60	96	3	35	100
104G8	L900W	1080S	9247L	0.2	47	60	1940	11	33	100
104G8	L900W	1120S	9247L	0.6	34	50	66	6	28	68
104G8	L900W	1160S	9247L	0.3	37	40	147	4	24	120
104G8	L900W	1200S	9247L	0.5	41	85	120	7	24	76
104G8	L900W	1240S	9247L	1.4	16	10	96	8	23	114
104G8	L900W	1280S	9247L	1.3	19	20	50	5	16	100
104G8	L900W	1360S	9247L	0.2	25	40	367	4	23	125
104G8	L900W	1400S	9247L	0.3	39	40	164	4	37	95
104G8	L900W	1440S	9247L	0.6	8	35	57	8	20	50
104G8	L900W	1480S	9247L	0.3	16	95	70	8	22	64
104G8	L900W	1520S	9247L	0.3	18	15	52	5	18	60
104G8	L900W	1560S	9247L	0.2	20	2.5	29	5	14	65
104G8	L900W	1600S	9247L	0.3	11	2.5	24	5	15	58
104G8	L900W	1640S	9247L	0.4	2	2.5	18	4	14	64
104G8	L900W	1680S	9247L	0.4	13	10	54	4	21	78
104G8	L900W	1720S	9247L	0.3	10	15	63	7	18	66
104G8	L900W	1760S	9247L	0.3	19	25	51	6	18	65
104G8	L900W	1800S	9247L	0.3	26	40	51	13	36	140
104G8	L900W	1840S	9247L	0.6	9	35	44	7	33	102
104G8	L900W	1880S	9247L	0.3	10	45	36	5	26	98
104G8	L900W	1920S	9247L	0.4	14	80	203	8	22	83
104G8	L900W	1960S	9247L	0.7	12	60	64	7	18	70
104G8	L900W	2000S	9247L	0.4	12	30	47	6	18	82
104G8	L1100W	880S	9247L	0.2	9	40	132	3	13	81
104G8	L1100W	920S	9247L	0.4	33	50	156	8	20	116
104G8	L1100W	960S	9247L	0.4	23	190	185	18	31	57
104G8	L1100W	1000S	9247L	2.4	20	75	62	8	27	48
104G8	L1100W	1040S	9247L	1.9	15	1225	76	6	26	100
104G8	L1100W	1080S	9247L	1.2	22	75	152	10	23	64
104G8	L1100W	1120S	9247L	0.5	30	60	120	10	44	75
104G8	L1100W	1160S	9247L	1.2	51	215	110	6	35	104
104G8	L1100W	1200S	9247L	0.8	36	40	111	6	31	93
104G8	L1100W	1240S	9247L	1.6	32	60	100	6	38	128
104G8	L1100W	1280S	9247L	0.5	69	80	211	5	52	149
104G8	L1100W	1320S	9247L	0.4	19	45	123	12	18	102
104G8	L1100W	1360S	9247L	0.8	16	40	145	9	17	104
104G8	L1200W	1000S	9247L	1.0	20	40	107	6	16	66
104G8	L1200W	1040S	9247L	0.6	49	55	104	6	30	67
104G8	L1200W	1080S	9247L	0.4	39	40	187	7	28	92
104G8	L1200W	1120S	9247L	0.4	40	50	121	5	31	102
104G8	L1200W	1160S	9247L	0.4	20	660	480	14	28	93
104G8	L1200W	1200S	9247L	0.3	25	115	340	11	44	210
104G8	L1200W	1240S	9247L	0.2	59	200	222	8	57	121
104G8	L1200W	1280S	9247L	0.5	43	115	390	13	97	124
104G8	L1200W	1320S	9247L	0.3	52	90	155	13	35	73
104G8	L1200W	1360S	9247L	0.7	14	90	450	36	66	45
104G8	L1200W	1400S	9247L	0.3	28	115	286	36	31	63
104G8	L1200W	1440S	9247L	0.3	54	125	288	14	24	75
104G8	L1200W	1480S	9247L	1.2	5	490	520	70	46	46
104G8	L1200W	1520S	9247L	1.3	7	440	600	25	26	46
104G8	L1200W	1560S	9247L	0.2	7	35	183	10	24	68
104G8	L1200W	1600S	9247L	0.3	26	100	290	11	30	83
104G8	L1200W	1640S	9247L	0.3	18	30	232	13	29	108
104G8	L1200W	1680S	9247L	1.2	11	80	225	14	20	66
104G8	L1200W	1720S	9247L	0.3	7	320	770	30	35	72
104G8	L1200W	1760S	9247L	0.2	10	80	190	13	21	68
104G8	L1200W	1800S	9247L	0.3	21	190	300	20	28	80
104G8	L1200W	1840S	9247L	0.2	5	25	40	4	11	52
104G8	L1200W	1880S	9247L	0.4	19	35	80	5	29	73
104G8	L1200W	1920S	9247L	0.3	20	30	59	3	28	88
104G8	L1200W	1960S	9247L	0.3	34	80	223	9	35	108

104G8	L1200W	2000S 9247L	0.4	48	20	188	6	40	120
104G8	L1300W	960S 9247L	0.6	21	40	352	7	60	368
104G8	L1300W	1000S 9247L	0.3	33	35	106	5	25	67
104G8	L1300W	1040S 9247L	0.7	40	25	163	17	31	97
104G8	L1300W	1080S 9247L	2.2	16	35	123	8	34	71
104G8	L1300W	1120S 9247L	1.0	51	60	109	6	51	81
104G8	L1300W	1160S 9247L	0.7	48	30	123	5	64	102
104G8	L1300W	1200S 9247L	1.3	25	50	146	6	57	95
104G8	L1300W	1240S 9247L	0.5	27	10	180	5	20	90
104G8	L1300W	1280S 9247L	0.2	95	95	100	2	26	83
104G8	L1300W	1320S 9247L	0.5	21	10	55	5	22	56
104G8	L1300W	1360S 9247L	0.2	7	20	184	6	34	77
104G8	L1300W	1400S 9247L	0.5	8	30	348	13	28	80
104G8	L1300W	1440S 9247L	0.4	16	95	288	50	31	71
104G8	L1300W	1480S 9247L	0.4	10	75	338	77	38	63
104G8	L1300W	1520S 9247L	0.2	9	80	224	15	22	64
104G8	L1300W	1560S 9247L	0.3	172	360	275	22	28	80
104G8	L1300W	1600S 9247L	0.3	10	45	78	6	20	72
104G8	L1300W	1640S 9247L	0.2	19	65	96	4	24	80
104G8	L1300W	1680S 9247L	0.3	23	90	188	8	24	94
104G8	L1300W	1720S 9247L	0.4	63	90	360	5	28	95
104G8	L1300W	1760S 9247L	0.4	30	135	330	9	33	90
104G8	L1300W	1800S 9247L	0.6	26	30	84	5	34	77
104G8	L1300W	1840S 9247L	0.5	29	100	252	17	40	91
104G8	L1300W	1880S 9247L	1.1	27	275	680	70	141	115
104G8	L1300W	1920S 9247L	0.5	28	150	188	21	39	86
104G8	L1300W	1960S 9247L	0.7	29	110	163	20	31	71
104G8	L1300W	2880S 9247L	0.7	103	55	100	6	45	222
104G8	L1400W	960S 9247L	0.7	42	125	330	6	93	252
104G8	L1400W	1000S 9247L	1.6	27	110	231	13	58	128
104G8	L1400W	1040S 9247L	0.5	15	150	256	22	48	107
104G8	L1400W	1080S 9247L	0.6	17	125	211	22	72	95
104G8	L1400W	1120S 9247L	0.7	40	100	102	8	43	81
104G8	L1400W	1160S 9247L	0.7	40	50	86	4	26	75
104G8	L1400W	1200S 9247L	0.5	21	25	83	7	22	63
104G8	L1400W	1240S 9247L	0.5	44	60	131	7	32	94
104G8	L1400W	1280S 9247L	0.2	55	90	94	6	33	85
104G8	L1400W	1320S 9247L	0.6	16	30	135	12	21	61
104G8	L1400W	1360S 9247L	0.8	1	40	96	9	46	63
104G8	L1400W	1400S 9247L	1.4	7	10	550	13	46	93
104G8	L1400W	1440S 9247L	0.4	3	20	90	17	22	42
104G8	L1400W	1480S 9247L	0.4	8	40	85	8	18	95
104G8	L1400W	1520S 9247L	0.8	5	75	101	10	20	78
104G8	L1400W	1560S 9247L	0.4	7	40	128	5	21	61
104G8	L1400W	1600S 9247L	0.4	16	35	121	7	28	108
104G8	L1400W	1640S 9247L	0.4	11	75	166	18	40	78
104G8	L1400W	1680S 9247L	0.3	23	45	108	9	35	111
104G8	L1400W	1720S 9247L	0.3	22	220	228	29	38	93
104G8	L1400W	1760S 9247L	0.5	5	2.5	50	7	15	72
104G8	L1400W	1800S 9247L	0.4	7	2.5	17	4	14	91
104G8	L1400W	1888S 9247L	0.4	8	2.5	16	5	14	86
104G8	L1400W	1920S 9247L	0.2	184	35	47	3	19	100
104G8	L1400W	1960S 9247L	0.5	55	145	282	18	57	82
104G8	L1400W	2000S 9247L	0.5	31	65	208	14	38	100
104G8	L1500W	2040S 9247L	0.7	76	110	210	9	72	180
104G8	L1500W	2080S 9247L	0.4	20	55	198	8	32	76
104G8	L1500W	2125S 9247L	0.5	33	70	262	5	46	80
104G8	L1500W	2160S 9247L	0.3	22	40	103	2	23	93
104G8	L1500W	2200S 9247L	0.1	6	2.5	29	1	12	87
104G8	L1500W	2280S 9247L	0.2	9	2.5	40	1	20	123
104G8	L1500W	2320S 9247L	0.1	11	2.5	33	1	13	90
104G8	L1500W	2360S 9247L	0.2	6	2.5	36	1	13	100
104G8	L1500W	2400S 9247L	0.1	6	2.5	36	3	12	100
104G8	L1500W	2440S 9247L	0.1	4	2.5	32	1	12	85
104G8	L1500W	2480S 9247L	0.2	31	2.5	28	1	18	80
104G8	L1500W	2560S 9247L	0.2	7	40	19	2	10	75

104G8	L1500W	2600S 9247L	0.1	42	45	28	3	15	114
104G8	L1500W	2640S 9247L	0.1	59	20	43	2	21	102
104G8	L1500W	2680S 9247L	0.6	65	10	28	3	68	130
104G8	L1500W	2720S 9247L	0.2	182	20	42	1	30	130
104G8	L1500W	2760S 9247L	0.2	65	10	23	1	13	80
104G8	L1500W	2800S 9247L	0.2	69	10	33	2	25	168
104G8	L1500W	2840S 9247L	1.0	115	45	126	5	111	164
104G8	L1500W	2880S 9247L	1.0	127	880	33	2	300	180
104G8	L1500W	2920S 9247L	1.1	162	50	36	2	80	142
104G8	L1500W	2960S 9247L	0.5	59	2.5	45	3	157	226
104G8	L1500W	3000S 9247L	0.7	38	15	70	4	47	510
104G8	L1500W	3040S 9247L	1.0	75	2.5	45	5	66	660
104G8	L1500W	3080S 9247L	1.3	34	15	42	6	56	480
104G8	L1500W	3120S 9247L	2.9	59	10	42	4	82	247
104G8	L1500W	3160S 9247L	0.4	40	100	187	8	56	118
104G8	L1600W	1000S 9247L	0.5	61	20	116	3	43	130
104G8	L1600W	1040S 9247L	0.3	56	50	122	3	52	127
104G8	L1600W	1080S 9247L	0.2	16	20	32	2	36	94
104G8	L1600W	1120S 9247L	0.5	17	45	133	9	25	60
104G8	L1600W	1160S 9247L	0.4	37	150	70	3	48	170
104G8	L1600W	1200S 9247L	0.4	16	65	61	3	82	160
104G8	L1600W	1240S 9247L	0.1	16	15	75	2	31	183
104G8	L1600W	1280S 9247L	0.2	15	210	130	1	70	260
104G8	L1600W	1320S 9247L	0.5	43	60	190	2	135	500
104G8	L1600W	1360S 9247L	0.6	58	70	290	2	140	720
104G8	L1600W	1400S 9247L	1.4	103	210	284	3	160	760
104G8	L1600W	1440S 9247L	2.1	191	220	370	3	241	700
104G8	L1600W	1480S 9247L	0.8	77	115	265	3	190	920
104G8	L1600W	1520S 9247L	0.5	27	15	560	4	100	450
104G8	L1600W	1560S 9247L	1.5	17	590	260	4	64	61
104G8	L1600W	1600S 9247L	0.9	18	210	277	4	93	61
104G8	L1600W	1640S 9247L	0.7	18	150	194	11	68	60
104G8	L1600W	1680S 9247L	0.6	20	90	100	6	50	52
104G8	L1600W	1720S 9247L	0.5	18	445	120	9	38	47
104G8	L1600W	1760S 9247L	0.4	17	135	103	5	30	42
104G8	L1600W	1800S 9247L	0.3	19	25	26	3	17	86
104G8	L1600W	1840S 9247L	0.2	29	30	37	3	26	121
104G8	L1600W	1880S 9247L	0.3	28	30	53	3	22	95
104G8	L1600W	1960S 9247L	0.4	63	80	62	3	26	82
104G8	L1600W	2000S 9247L	0.6	57	50	74	5	32	800
104G8	L1600W	2040S 9247L	0.7	36	45	74	4	32	88
104G8	L1600W	2080S 9247L	0.5	17	20	40	4	22	92
104G8	L1600W	2120S 9247L	0.5	30	25	76	3	32	112
104G8	L1600W	2160S 9247L	0.4	50	15	94	2	20	47
104G8	L1600W	2200S 9247L	0.2	7	2.5	36	2	13	67
104G8	L1600W	2240S 9247L	0.2	6	15	24	2	16	84
104G8	L1600W	2280S 9247L	0.2	10	2.5	33	2	27	132
104G8	L1600W	2320S 9247L	0.2	5	2.5	32	2	16	67
104G8	L1600W	2360S 9247L	0.1	19	20	51	1	19	91
104G8	L1600W	2400S 9247L	0.2	7	2.5	34	2	16	76
104G8	L1600W	2440S 9247L	0.1	6	2.5	17	4	17	95
104G8	L1600W	2480S 9247L	0.1	9	20	29	1	11	81
104G8	L1600W	2520S 9247L	0.2	1	2.5	22	1	22	74
104G8	L1600W	2600S 9247L	0.3	34	2.5	26	1	17	98
104G8	L1600W	2640S 9247L	0.3	36	2.5	34	3	30	115
104G8	L1600W	2680S 9247L	0.3	103	20	29	2	25	110
104G8	L1600W	2720S 9247L	0.3	102	25	29	2	14	90
104G8	L1600W	2760S 9247L	0.4	89	50	25	2	16	95
104G8	L1600W	2800S 9247L	0.3	60	30	50	3	30	112
104G8	L1600W	2840S 9247L	0.3	43	2.5	41	6	46	128
104G8	L1600W	2880S 9247L	0.8	37	20	48	4	60	128
104G8	L1600W	2920S 9247L	0.4	34	10	44	5	71	121
104G8	L1600W	2960S 9247L	0.5	12	2.5	30	4	45	65
104G8	L1600W	3000S 9247L	1.7	24	20	47	6	71	220
104G8	L1600W	3040S 9247L	1.4	47	55	38	1	23	120
104G8	L1600W	3080S 9247L	1.3	83	2.5	33	3	98	72

104G8	L1600W	3120S	9247L	1.8	420	45	33	3	108	132
104G8	L1600W	3160S	9247L	1.4	126	60	47	3	141	202
104G8	L1600W	3200S	9247L	1.1	154	20	54	6	200	570
104G8	L1600W	3240S	9247L	1.3	122	20	52	5	153	160
104G8	L1600W	3280S	9247L	0.8	181	40	75	4	185	193
104G8	L1600W	3320S	9247L	1.8	200	10	54	6	230	113
104G8	L1600W	3360S	9247L	1.2	210	40	65	3	182	161
104G8	L1700W	2000S	9247L	0.4	5	10	17	3	10	57
104G8	L1700W	2090S	9247L	0.2	15	20	40	2	17	94
104G8	L1700W	2160S	9247L	0.3	20	15	81	2	23	96
104G8	L1700W	2200S	9247L	0.3	2	10	23	3	14	72
104G8	L1700W	2240S	9247L	0.2	7	2.5	32	1	13	95
104G8	L1700W	2280S	9247L	0.2	7	10	28	2	16	96
104G8	L1700W	2320S	9247L	0.2	8	5	31	2	19	102
104G8	L1700W	2400S	9247L	0.2	10	2.5	77	2	16	93
104G8	L1700W	2440S	9247L	0.2	4	2.5	30	4	12	79
104G8	L1700W	2520S	9247L	0.1	12	2.5	24	2	15	90
104G8	L1700W	2560S	9247L	0.3	370	55	28	2	13	97
104G8	L1700W	2600S	9247L	0.1	45	5	52	4	18	93
104G8	L1700W	2640S	9247L	2.1	1000	2165	24	2	22	120
104G8	L1700W	2720S	9247L	2.7	700	650	76	5	1420	830
104G8	L1700W	2760S	9247L	0.3	280	150	25	3	16	101
104G8	L1700W	2800S	9247L	0.5	33	2.5	19	3	13	80
104G8	L1800W	880S	9247L	0.4	64	15	52	3	29	122
104G8	L1800W	920S	9247L	0.4	48	60	173	3	58	266
104G8	L1800W	960S	9247L	0.1	49	60	48	3	26	102
104G8	L1800W	1000S	9247L	0.3	46	110	43	3	28	118
104G8	L1800W	1040S	9247L	0.4	108	95	123	4	24	94
104G8	L1800W	1080S	9247L	0.3	32	30	90	2	36	121
104G8	L1800W	1120S	9247L	0.2	27	40	88	2	33	123
104G8	L1800W	1160S	9247L	0.2	28	45	85	2	34	123
104G8	L1800W	1200S	9247L	0.1	31	45	95	1	36	118
104G8	L1800W	1240S	9247L	0.2	31	30	110	2	41	130
104G8	L1800W	1280S	9247L	0.3	43	10	96	2	70	138
104G8	L1800W	1320S	9247L	0.1	1	5	12	2	11	82
104G8	L1800W	1360S	9247L	0.3	16	10	37	1	55	143
104G8	L1800W	1400S	9247L	0.2	8	365	22	4	28	78
104G8	L1800W	1440S	9247L	0.1	10	20	26	2	68	122
104G8	L1800W	1480S	9247L	0.3	14	120	38	2	73	153
104G8	L1800W	1560S	9247L	0.2	17	10	33	2	210	255
104G8	L1800W	1600S	9247L	0.1	10	50	27	3	38	111
104G8	L1800W	1640S	9247L	0.4	22	45	50	2	211	650
104G8	L1800W	1680S	9247L	0.1	6	30	30	2	20	85
104G8	L1800W	1720S	9247L	0.2	1	30	21	3	13	60
104G8	L1800W	1760S	9247L	0.1	6	50	41	2	19	120
104G8	L1800W	1840S	9247L	0.1	10	25	46	2	20	100
104G8	L1800W	1880S	9247L	0.1	21	25	47	2	20	100
104G8	L1800W	1920S	9247L	0.2	28	35	48	2	17	104
104G8	L1800W	2040S	9247L	0.1	13	25	31	2	13	80
104G8	L1900W	2000S	9247L	0.2	19	20	30	2	11	70
104G8	L1900W	2040S	9247L	0.1	10	10	27	1	12	78
104G8	L1900W	2080S	9247L	0.2	18	15	51	2	18	95
104G8	L1900W	2120S	9247L	0.3	25	2.5	45	2	19	96
104G8	L1900W	2200S	9247L	0.1	23	2.5	36	1	22	126
104G8	L1900W	2240S	9247L	0.1	12	15	25	2	15	63
104G8	L1900W	2280S	9247L	0.1	13	15	33	2	14	84
104G8	L1900W	2320S	9247L	0.1	11	10	28	1	13	80
104G8	L1900W	2360S	9247L	0.1	12	2.5	49	3	17	95
104G8	L1900W	2400S	9247L	0.1	11	15	53	2	16	88
104G8	L1900W	2500S	9247L	0.1	8	2.5	37	1	13	76
104G8	L1900W	2540S	9247L	0.1	8	5	35	1	11	77
104G8	L1900W	2600S	9247L	0.2	10	40	23	2	14	124
104G8	L1900W	2620S	9247L	0.4	36	55	39	3	21	102
104G8	L1900W	2660S	9247L	0.1	9	35	24	3	12	108
104G8	L1900W	2700S	9247L	0.1	20	35	31	2	19	145
104G8	L1900W	2720S	9247L	0.2	21	20	30	4	18	103

104G8	L1900W	3200S 9247L	0.2	51	35	34	4	48	147
104G8	L2100W	2840S 9247L	0.2	9	2.5	32	3	17	117
104G8	L2100W	2880S 9247L	1.3	38	20	56	4	53	150
104G8	L2100W	2920S 9247L	0.6	29	2.5	69	6	40	111
104G8	L2100W	2960S 9247L	2.0	250	75	108	6	165	197
104G8	L2100W	3000S 9247L	2.2	146	5	116	5	222	385
104G8	L2100W	3040S 9247L	0.8	57	65	107	4	100	187
104G8	L2100W	3080S 9247L	1.3	41	10	58	5	68	103
104G8	L2100W	3120S 9247L	0.4	32	350	57	8	60	245
104G8	L2100W	3160S 9247L	0.5	32	20	51	6	56	93
104G8	L2100W	3200S 9247L	0.5	37	20	50	7	61	136
104G8	L2100W	3240S 9247L	0.5	60	15	46	7	55	121
104G8	L2100W	3280S 9247L	0.6	63	40	67	23	93	147
104G8	L2100W	3320S 9247L	0.6	31	50	88	9	37	337
104G8	L2100W	3360S 9247L	1.2	51	50	103	10	93	250
104G8	L2100W	3400S 9247L	1.1	64	20	130	10	85	156
104G8	L2200W	2680S 9247L	0.4	17	15	63	5	27	97
104G8	L2200W	2720S 9247L	0.2	5	20	50	3	24	95
104G8	L2200W	2760S 9247L	0.2	10	15	40	3	22	108
104G8	L2200W	2800S 9247L	0.3	15	10	60	5	41	137
104G8	L2200W	2840S 9247L	0.8	15	25	236	5	207	660
104G8	L2200W	2880S 9247L	2.1	64	75	120	4	670	380
104G8	L2200W	2920S 9247L	0.6	34	30	208	4	58	196
104G8	L2200W	2960S 9247L	1.2	40	60	285	4	47	214
104G8	L2200W	3000S 9247L	0.5	37	20	210	3	78	1060
104G8	L2200W	3040S 9247L	0.6	29	20	67	4	60	148
104G8	L2200W	3080S 9247L	3.5	750	250	278	8	610	161
104G8	L2200W	3120S 9247L	0.6	102	125	101	5	46	233
104G8	L2300W	2080S 9247L	0.3	23	2.5	41	1	16	80
104G8	L2300W	2120S 9247L	0.2	14	2.5	33	1	16	75
104G8	L2300W	2160S 9247L	0.2	11	2.5	40	1	13	93
104G8	L2300W	2200S 9247L	0.2	15	2.5	50	0.5	20	86
104G8	L2300W	2240S 9247L	0.2	11	15	35	1	18	76
104G8	L2300W	2280S 9247L	0.1	12	10	26	0.5	18	62
104G8	L2300W	2320S 9247L	0.2	14	10	31	0.5	17	28
104G8	L2300W	2360S 9247L	0.2	4	30	32	0.5	11	46
104G8	L2300W	2400S 9247L	0.1	6	10	26	0.5	12	56
104G8	L2300W	2440S 9247L	0.3	8	15	51	0.5	20	91
104G8	L2300W	2480S 9247L	0.4	20	20	47	0.5	14	83
104G8	L2300W	2520S 9247L	2.4	150	125	152	0.5	33	140
104G8	L2300W	2560S 9247L	0.5	28	35	106	1	28	150
104G8	L2300W	2680S 9247L	0.3	19	2.5	54	2	27	108
104G8	L2300W	2720S 9247L	0.4	10	2.5	55	3	24	131
104G8	L2300W	2760S 9247L	0.4	28	2.5	71	5	50	300
104G8	L2300W	2800S 9247L	1.1	60	2.5	156	4	60	172
104G8	L2300W	2840S 9247L	0.5	37	40	105	9	51	157
104G8	L2300W	2880S 9247L	1.1	30	2.5	92	8	80	174
104G8	L2300W	2920S 9247L	1.8	79	100	115	6	177	380
104G8	L2300W	2960S 9247L	1.5	135	105	392	0.5	51	177
104G8	L2300W	3000S 9247L	1.4	35	30	256	8	83	510
104G8	L2300W	3040S 9247L	3.3	50	75	720	19	211	294
104G8	L2300W	3080S 9247L	1.3	9	240	1060	100	64	121
104G8	L2300W	3120S 9247L	0.5	53	50	68	7	74	192
104G8	L2300W	3160S 9247L	1.2	74	20	105	26	76	155
104G8	L2300W	3200S 9247L	3.1	250	150	230	46	227	200
104G8	L2300W	3240S 9247L	0.3	34	2.5	345	46	57	880
104G8	L2300W	3280S 9247L	0.8	30	15	185	10	40	1150
104G8	L2300W	3320S 9247L	0.8	29	20	54	6	48	68
104G8	L2300W	3360S 9247L	0.4	46	15	45	7	72	192
104G8	L2300W	3400S 9247L	1.0	66	40	157	8	170	510
104G8	L2310W	3400S 9247L	0.4	63	20	146	8	163	520
104G8	L2400W	2040S 9247L	0.1	13	2.5	40	1	13	82
104G8	L2400W	2080S 9247L	0.1	15	2.5	33	1	11	72
104G8	L2400W	2120S 9247L	0.1	29	2.5	36	3	15	75
104G8	L2400W	2160S 9247L	0.1	12	2.5	37	1	13	75
104G8	L2400W	2200S 9247L	0.1	16	2.5	43	1	18	64

104G8	L2400W	2240S	9247L	0.1	37	2.5	57	2	22	81
104G8	L2400W	2280S	9247L	0.1	11	2.5	49	3	24	87
104G8	L2400W	2320S	9247L	0.1	11	15	35	2	18	82
104G8	L2400W	2360S	9247L	0.1	19	2.5	34	1	17	50
104G8	L2400W	2400S	9247L	0.1	10	15	32	1	12	65
104G8	L2400W	2440S	9247L	0.1	6	2.5	31	1	13	65
104G8	L2400W	2480S	9247L	0.1	17	2.5	87	1	16	64
104G8	L2400W	2520S	9247L	0.1	19	2.5	96	2	19	80
104G8	L2400W	2560S	9247L	0.3	13	15	100	2	28	164
104G8	L2400W	2600S	9247L	0.4	10	110	320	2	21	110
104G8	L2400W	2640S	9247L	0.1	25	2.5	90	4	28	117
104G8	L1900W	2520S	9247L	0.1	19	2.5	31	2	14	68
104G8	L400W	2040S	9271L	0.3	56	20	60	3	28	65
104G8	L400W	2080S	9271L	0.7	5	2.5	52	6	20	21
104G8	L400W	2120S	9271L	0.8	13	170	66	7	51	69
104G8	L400W	2160S	9271L	1.1	37	80	97	6	100	118
104G8	L400W	2200S	9271L	1.7	41	20	54	4	68	65
104G8	L400W	2240S	9271L	1.0	56	75	102	5	76	230
104G8	L400W	2280S	9271L	1.2	34	60	82	7	48	136
104G8	L400W	2320S	9271L	1.1	48	80	78	3	152	920
104G8	L400W	2360S	9271L	0.8	55	55	68	6	58	126
104G8	L400W	2400S	9271L	0.7	40	40	78	5	85	260
104G8	L400W	2440S	9271L	0.5	44	10	50	4	36	69
104G8	L400W	2480S	9271L	0.4	57	2.5	65	4	41	113
104G8	L400W	2520S	9271L	0.4	62	15	68	3	44	110
104G8	L1700W	960S	9271L	0.4	30	2.5	27	1	12	85
104G8	L1700W	1000S	9271L	0.2	65	75	174	6	41	116
104G8	L1700W	1040S	9271L	0.2	18	2.5	116	1	28	90
104G8	L1700W	1080S	9271L	0.1	22	2.5	100	1	21	124
104G8	L1700W	1120S	9271L	0.1	17	2.5	95	0.5	20	116
104G8	L1700W	1160S	9271L	0.3	20	2.5	102	2	34	145
104G8	L1700W	1200S	9271L	3.6	49	250	48	2	207	218
104G8	L1700W	1240S	9271L	0.3	31	170	36	2	83	171
104G8	L1700W	1280S	9271L	0.2	36	110	63	2	50	390
104G8	L1700W	1320S	9271L	0.1	8	2.5	78	1	15	108
104G8	L1700W	1360S	9271L	0.2	17	60	76	1	40	246
104G8	L1700W	1440S	9271L	1.0	22	70	294	1	181	1050
104G8	L1700W	1480S	9271L	0.2	48	75	50	1	100	241
104G8	L1700W	1520S	9271L	1.1	49	40	80	2	295	700
104G8	L1700W	1560S	9271L	0.7	47	325	150	1	107	800
104G8	L1700W	1600S	9271L	1.0	340	790	383	3	76	490
104G8	L1700W	1760S	9271L	0.1	22	2.5	48	1	25	96
104G8	L1700W	1800S	9271L	0.1	17	2.5	29	0.5	15	72
104G8	L1700W	1840S	9271L	0.2	31	2.5	42	1	19	106
104G8	L2100W	1040S	9271L	0.7	140	100	45	0.5	24	102
104G8	L2100W	1080S	9271L	0.4	21	2.5	17	0.5	19	95
104G8	L2100W	1120S	9271L	0.2	8	2.5	17	0.5	11	73
104G8	L2100W	1160S	9271L	0.1	7	2.5	18	0.5	11	84
104G8	L2100W	1240S	9271L	0.1	4	2.5	17	1	10	73
104G8	L2100W	1280S	9271L	0.2	5	2.5	14	1	10	73
104G8	L2100W	1320S	9271L	0.1	10	2.5	16	1	9	82
104G8	L2100W	1360S	9271L	0.1	6	2.5	13	1	12	68
104G8	L2100W	1400S	9271L	0.1	9	2.5	20	1	12	69
104G8	L2100W	1440S	9271L	0.1	186	2.5	21	1	22	100
104G8	L2100W	1480S	9271L	0.1	29	2.5	16	1	9	118
104G8	L2100W	1520S	9271L	0.3	22	2.5	18	2	26	54
104G8	L2100W	1560S	9271L	0.1	10	2.5	16	2	24	57
104G8	L2100W	1600S	9271L	0.1	7	2.5	31	0.5	40	102
104G8	L2100W	1640S	9271L	0.3	8	2.5	22	1	28	78
104G8	L2100W	1680S	9271L	0.1	10	2.5	25	2	16	85
104G8	L2100W	1720S	9271L	0.3	8	2.5	24	0.5	17	81
104G8	L2100W	1760S	9271L	1.2	64	2.5	27	1	57	103
104G8	L2100W	1800S	9271L	0.1	7	2.5	40	0.5	14	83
104G8	L2100W	1840S	9271L	0.1	13	2.5	43	0.5	13	86
104G8	L2100W	1880S	9271L	0.3	43	2.5	54	0.5	25	104
104G8	L2100W	1920S	9271L	0.1	14	2.5	38	0.5	15	90

104G8	L2100W	1960S	9271L	0.2	15	2.5	36	1	13	105
104G8	L2100W	2000S	9271L	0.1	39	2.5	40	0.5	14	88
104G8	L2100W	2000SA	9271L	0.1	30	2.5	40	0.5	14	85
104G8	L2100W	2000SB	9271L	0.1	49	2.5	33	0.5	18	91
104G8	L2100W	2080S	9271L	0.1	13	2.5	23	0.5	11	70
104G8	L2100W	2120S	9271L	0.1	11	2.5	38	0.5	17	86
104G8	L2100W	2160S	9271L	0.1	10	2.5	30	1	11	71
104G8	L2100W	2200S	9271L	0.2	19	2.5	27	2	15	100
104G8	L2100W	2240S	9271L	0.1	15	2.5	41	1	16	91
104G8	L2100W	2320S	9271L	0.1	12	2.5	44	0.5	15	75
104G8	L2100W	2360S	9271L	0.1	11	2.5	34	0.5	13	88
104G8	L2100W	2400S	9271L	0.4	7	2.5	44	1	16	104
104G8	L2100W	2440S	9271L	0.1	10	2.5	54	1	16	88
104G8	L2100W	2480S	9271L	0.1	13	2.5	43	0.5	14	85
104G8	L2100W	2520S	9271L	0.1	18	15	60	2	20	110
104G8	L2100W	2560S	9271L	0.1	38	2.5	42	1	12	83
104G8	L2100W	2600S	9271L	0.1	31	2.5	37	0.5	13	81
104G8	L2100W	2640S	9271L	0.1	13	2.5	36	1	22	79
104G8	L2100W	2680S	9271L	0.2	8	2.5	32	4	20	87
104G8	L2100W	2720S	9271L	0.1	8	2.5	29	2	15	92
104G8	L2100W	2760S	9271L	0.1	20	2.5	41	6	21	120
104G8	L2100W	2800S	9271L	0.1	7	10	34	6	28	91
104G8	L2200W	800S	9271L	0.5	140	40	58	2	36	121
104G8	L2200W	840S	9271L	0.4	71	2.5	67	2	24	104
104G8	L2200W	880S	9271L	0.1	97	15	80	2	30	122
104G8	L2200W	920S	9271L	0.1	133	25	34	1	23	107
104G8	L2200W	960S	9271L	0.4	149	25	128	1	35	120
104G8	L2200W	1000S	9271L	0.4	103	15	28	1	13	81
104G8	L2200W	1040S	9271L	0.2	67	10	88	2	14	75
104G8	L2200W	1080S	9271L	0.2	27	10	31	1	12	86
104G8	L2200W	1120S	9271L	0.1	43	2.5	20	1	11	81
104G8	L2200W	1160S	9271L	0.2	41	5	20	2	12	73
104G8	L2200W	1200S	9271L	0.2	99	2.5	20	2	12	83
104G8	L2200W	1240S	9271L	0.4	140	2.5	29	2	18	92
104G8	L2200W	1280S	9271L	0.7	132	2.5	24	1	14	90
104G8	L2200W	1320S	9271L	0.3	84	2.5	17	1	9	85
104G8	L2200W	1360S	9271L	0.3	142	2.5	20	2	10	78
104G8	L2200W	1400S	9271L	0.1	1	2.5	21	2	7	77
104G8	L2200W	1440S	9271L	0.1	11	2.5	37	2	9	83
104G8	L2200W	1480S	9271L	0.1	6	2.5	21	1	8	78
104G8	L2200W	1520S	9271L	0.1	13	2.5	32	2	12	77
104G8	L2200W	1560S	9271L	0.1	38	2.5	46	2	10	70
104G8	L2200W	1600S	9271L	0.2	16	65	33	2	23	89
104G8	L2200W	1640S	9271L	0.2	10	30	26	2	26	87
104G8	L2200W	1680S	9271L	0.2	9	50	28	1	21	103
104G8	L2200W	1720S	9271L	0.2	7	25	44	1	18	112
104G8	L2200W	1760S	9271L	0.3	9	2.5	43	2	21	107
104G8	L2200W	1800S	9271L	0.1	5	2.5	30	1	17	96
104G8	L2200W	1840S	9271L	0.1	3	2.5	10	2	6	57
104G8	L2200W	1880S	9271L	0.1	9	2.5	38	2	12	74
104G8	L2200W	1920S	9271L	0.3	16	2.5	47	2	12	89
104G8	L2200W	1960S	9271L	0.1	12	2.5	40	2	13	95
104G8	L2200W	2000SA	9271L	0.1	7	2.5	23	1	9	83
104G8	L2200W	2040S	9271L	0.1	13	2.5	38	1	12	68
104G8	L2200W	2080S	9271L	0.2	22	2.5	39	2	20	66
104G8	L2200W	2120S	9271L	0.1	9	2.5	42	0.5	10	71
104G8	L2200W	2160S	9271L	0.1	6	2.5	35	0.5	10	65
104G8	L2200W	2240W	9271L	0.1	14	30	39	1	17	81
104G8	L2200W	2280W	9271L	0.1	12	2.5	42	1	16	82
104G8	L2200W	2320W	9271L	0.1	4	2.5	33	2	14	78
104G8	L2200W	2360W	9271L	0.4	9	25	78	2	22	90
104G8	L2200W	2400W	9271L	0.1	7	40	46	2	17	93
104G8	L2200W	2440W	9271L	0.1	3	30	35	2	10	68
104G8	L2200W	2480W	9271L	0.4	8	40	45	5	13	107
104G8	L2200W	2520W	9271L	0.1	7	2.5	40	3	10	80
104G8	L2200W	2560W	9271L	0.4	9	2.5	51	2	17	78

104G8	L2200W	2600W	9271L	0.4	13	2.5	52	2	22	93
104G8	L2200W	2640W	9271L	0.2	12	2.5	38	4	15	99
104G8	L2300W	800S	9271L	1.2	325	2.5	21	2	24	89
104G8	L2300W	840S	9271L	0.8	61	5	26	3	12	89
104G8	L2300W	880S	9271L	0.6	101	15	33	2	11	87
104G8	L2300W	920S	9271L	1.0	72	2.5	15	2	13	90
104G8	L2300W	960S	9271L	0.2	60	15	21	1	11	90
104G8	L2300W	1000S	9271L	0.6	190	2.5	10	2	14	80
104G8	L2300W	1040S	9271L	0.6	220	2.5	9	3	16	85
104G8	L2300W	1080S	9271L	0.8	290	2.5	13	2	17	86
104G8	L2300W	1120S	9271L	0.6	177	2.5	11	2	12	72
104G8	L2300W	1160S	9271L	0.2	37	2.5	16	1	6	73
104G8	L2300W	1200S	9271L	1.6	142	2.5	13	3	18	52
104G8	L2300W	1240S	9271L	0.2	4	10	22	1	6	73
104G8	L2300W	1320S	9271L	0.1	64	2.5	12	2	11	67
104G8	L2300W	1360S	9271L	0.1	64	2.5	12	2	11	109
104G8	L2300W	1400S	9271L	0.1	6	2.5	14	2	9	87
104G8	L2300W	1440S	9271L	0.1	6	2.5	22	1	8	95
104G8	L2300W	1480S	9271L	0.1	6	2.5	15	2	8	70
104G8	L2300W	1520S	9271L	0.1	4	2.5	14	2	6	68
104G8	L2300W	1560S	9271L	0.1	8	2.5	12	1	7	124
104G8	L2300W	1600S	9271L	0.1	48	2.5	14	2	10	102
104G8	L2300W	1720S	9271L	0.1	4	2.5	20	2	9	90
104G8	L2300W	1760S	9271L	0.2	10	2.5	33	2	13	96
104G8	L2300W	1800S	9271L	0.2	8	2.5	36	1	15	85
104G8	L2300W	1840S	9271L	0.1	8	2.5	47	0.5	13	71
104G8	L2300W	1880S	9271L	0.1	12	2.5	54	1	15	102
104G8	L2300W	1960S	9271L	0.2	7	2.5	44	0.5	14	83
104G8	L2300W	2000S	9271L	0.2	15	2.5	42	1	14	70
104G8	L2310W	1480S	9271L	1	6	2.5	16	0.5	7	71
104G8	L2400W	1240S	9271L	1	4	2.5	20	0.5	6	60
104G8	L2400W	1280S	9271L	1	7	2.5	23	0.5	9	88
104G8	L2400W	1320S	9271L	1	4	2.5	21	1	4	100
104G8	L2400W	1360S	9271L	0.2	2	20	20	0.5	7	94
104G8	L2400W	1400S	9271L	0.1	1	2.5	7	2	4	82
104G8	L2400W	1440S	9271L	0.1	3	15	12	0.5	4	59
104G8	L2400W	1480S	9271L	0.1	1	2.5	20	0.5	1	36
104G8	L2400W	1520S	9271L	0.1	6	2.5	22	0.5	6	91
104G8	L2400W	1560S	9271L	0.4	2	2.5	12	1	6	84
104G8	L2400W	1600S	9271L	0.1	7	2.5	14	0.5	7	78
104G8	L2400W	1640S	9271L	0.1	59	2.5	14	1	8	77
104G8	L2400W	1680S	9271L	1.0	200	10	15	1	12	73
104G8	L2400W	1720S	9271L	0.4	14	2.5	23	1	11	80
104G8	L2400W	1760S	9271L	0.2	5	2.5	16	0.5	11	61
104G8	L2400W	1800S	9271L	0.1	4	2.5	27	1	9	72
104G8	L2400W	1920S	9271L	0.1	12	20	33	1	10	90
104G8	L2500W	2000S	9271L	0.1	1	5	18	0.5	5	57
104G8	L2500W	2040S	9271L	0.1	11	2.5	33	0.5	10	71
104G8	L2500W	2080S	9271L	0.1	29	10	40	1	12	74
104G8	L2500W	2120S	9271L	0.4	22	20	36	1	10	61
104G8	L2500W	2160S	9271L	0.1	7	2.5	39	0.5	11	71
104G8	L2500W	2200S	9271L	0.1	14	25	35	1	14	66
104G8	L2500W	2240S	9271L	0.2	11	50	36	1	13	66
104G8	L2500W	2280S	9271L	0.2	11	15	31	1	10	81
104G8	L2500W	2320S	9271L	0.1	12	20	30	0.5	13	92
104G8	L2500W	2360S	9271L	0.1	17	5	37	1	13	90
104G8	L2500W	2400S	9271L	0.1	9	10	42	1	13	71
104G8	L2500W	2440S	9271L	0.1	15	10	52	3	14	93
104G8	L2500W	2480S	9271L	0.6	21	10	90	1	23	91
104G8	L2600W	2000S	9271L	0.1	10	2.5	30	0.5	8	72
104G8	L2600W	2040S	9271L	0.2	14	2.5	42	0.5	13	84
104G8	L2600W	2080S	9271L	0.1	15	2.5	31	2	10	63
104G8	L2600W	2120S	9271L	0.1	24	15	36	2	15	70
104G8	L2600W	2160S	9271L	0.1	8	2.5	33	2	12	77
104G8	L2600W	2200S	9271L	0.1	9	5	39	2	11	72
104G8	L2600W	2240S	9271L	0.1	10	2.5	39	1	12	68

104G8	L2600W	2280S 9271L	0.1	50	2.5	32	2	10	81
104G8	L2600W	2320S 9271L	0.1	18	2.5	34	3	10	92
104G8	L2600W	2360S 9271L	0.1	13	2.5	41	4	14	100
104G8	L2600W	2400S 9271L	0.1	10	2.5	44	2	12	90
104G8	L2600W	2440S 9271L	0.1	9	230	220	5	13	103
104G8	L2600W	2480S 9271L	0.4	28	55	490	8	62	130
104G8	L2700W	640S 9271L	0.4	43	2.5	54	2	9	88
104G8	L2700W	680S 9271L	0.2	46	2.5	48	1	12	88
104G8	L2700W	720S 9271L	0.6	52	2.5	33	1	13	96
104G8	L2700W	760S 9271L	0.4	36	2.5	30	2	13	99
104G8	L2700W	800S 9271L	0.1	12	2.5	19	2	11	88
104G8	L2700W	840S 9271L	0.4	54	2.5	62	2	26	127
104G8	L2700W	880S 9271L	0.6	20	2.5	25	2	15	96
104G8	L2700W	920S 9271L	0.1	21	2.5	17	3	31	91
104G8	L2700W	960S 9271L	0.1	10	2.5	15	1	6	82
104G8	L2700W	1000S 9271L	0.1	14	5	25	1	11	90
104G8	L2700W	1040S 9271L	0.1	7	2.5	17	1	17	85
104G8	L2700W	1080S 9271L	0.1	9	2.5	20	2	13	90
104G8	L2700W	1120S 9271L	0.1	1	2.5	5	1	9	171
104G8	L2700W	1160S 9271L	0.1	1	2.5	20	1	9	86
104G8	L2700W	1200S 9271L	0.1	1	2.5	15	1	7	67
104G8	L2700W	1240S 9271L	0.1	1	2.5	17	1	7	68
104G8	L2700W	1280S 9271L	0.1	1	2.5	8	1	5	46
104G8	L2700W	1360S 9271L	0.1	1	2.5	15	1	7	57
104G8	L2700W	1400S 9271L	0.1	3	2.5	12	1	7	61
104G8	L2700W	1440S 9271L	0.1	6	2.5	28	1	8	84
104G8	L2700W	1480S 9271L	0.1	10	2.5	50	1	11	74
104G8	L2700W	1520S 9271L	0.1	12	2.5	62	1	15	74
104G8	L2700W	1560S 9271L	0.1	10	2.5	56	1	11	80
104G8	L2700W	1600S 9271L	0.1	12	2.5	80	1	15	68
104G8	L2700W	1640S 9271L	0.1	14	2.5	60	1	14	60
104G8	L2700W	1680S 9271L	0.1	10	2.5	62	0.5	15	65
104G8	L2700W	1880S 9271L	0.1	9	2.5	47	1	12	76
104G8	L2700W	1920S 9271L	0.1	8	20	60	0.5	11	75
104G8	L2700W	1960S 9271L	0.1	9	10	34	1	8	60
104G8	L2700W	2000S 9271L	0.1	2	2.5	63	0.5	8	70
104G8	L2700W	2040S 9271L	0.1	9	2.5	53	0.5	10	63
104G8	L2700W	2080S 9271L	0.1	6	2.5	37	0.5	11	60
104G8	L2700W	2120S 9271L	0.1	8	2.5	27	1	8	71
104G8	L2700W	2160S 9271L	0.1	16	2.5	42	1	14	70
104G8	L2700W	2200S 9271L	0.1	8	2.5	34	1	15	84
104G8	L2700W	2240S 9271L	0.1	13	2.5	44	1	14	91
104G8	L2700W	2280S 9271L	0.1	10	2.5	37	0.5	10	78
104G8	L2700W	2320S 9271L	0.1	27	2.5	58	0.5	16	79
104G8	L2700W	2360S 9271L	0.1	10	2.5	50	2	13	94
104G8	L2700W	2400S 9271L	0.1	8	2.5	62	2	18	80
104G8	L2700W	2440S 9271L	0.4	21	2.5	247	4	32	128
104G8	L2700W	2480S 9271L	0.4	25	2.5	145	6	38	126
104G8	L2710W	2120S 9271L	0.1	5	2.5	25	1	8	70
104G8	L2800W	560S 9271L	0.1	30	2.5	35	0.5	7	78
104G8	L2800W	600S 9271L	0.1	31	2.5	28	0.5	6	70
104G8	L2800W	640S 9271L	0.1	22	2.5	31	0.5	8	67
104G8	L2800W	680S 9271L	0.1	11	2.5	26	0.5	5	70
104G8	L2800W	720S 9271L	0.6	54	2.5	53	0.5	13	81
104G8	L2800W	760S 9271L	0.1	8	2.5	22	0.5	6	78
104G8	L2800W	800S 9271L	0.4	42	2.5	28	0.5	11	86
104G8	L2800W	840S 9271L	0.4	26	2.5	37	0.5	8	89
104G8	L2800W	880S 9271L	0.4	81	25	26	0.5	12	95
104G8	L2800W	920S 9271L	1.0	70	2.5	9	2	24	160
104G8	L2800W	960S 9271L	3.6	250	5	17	1	32	166
104G8	L2800W	1000S 9271L	6.0	186	2.5	22	0.5	35	140
104G8	L2800W	1040S 9271L	0.6	41	2.5	19	0.5	9	93
104G8	L2800W	1080S 9271L	1.0	22	2.5	17	0.5	32	154
104G8	L2800W	1120S 9271L	2.0	1750	440	25	3	28	143
104G8	L2800W	1160S 9271L	0.2	31	2.5	27	0.5	21	100
104G8	L2800W	1200S 9271L	0.1	5	2.5	23	0.5	9	91

104G8	L2800W	1240S 9271L	0.1	1	2.5	19	0.5	7	78
104G8	L2800W	1280S 9271L	0.1	5	25	27	1	8	90
104G8	L2800W	1320S 9271L	0.1	4	2.5	13	0.5	10	88
104G8	L2800W	1400S 9271L	0.1	5	2.5	28	0.5	8	80
104G8	L2800W	1440S 9271L	0.1	20	25	50	0.5	8	84
104G8	L2800W	1480S 9271L	0.1	9	2.5	40	0.5	8	71
104G8	L2800W	1520S 9271L	0.1	7	2.5	43	0.5	9	74
104G8	L2800W	1560S 9271L	0.1	13	2.5	70	0.5	12	85
104G8	L2800W	1600S 9271L	0.1	10	2.5	67	0.5	10	74
104G8	L2800W	1640S 9271L	0.1	8	2.5	70	0.5	12	59
104G8	L2800W	1840S 9271L	0.1	27	5	72	0.5	27	60
104G8	L2800W	1880S 9271L	0.1	12	2.5	43	0.5	10	57
104G8	L2800W	1920S 9271L	0.1	5	2.5	62	0.5	13	63
104G8	L2800W	1960S 9271L	0.1	7	2.5	43	0.5	9	64
104G8	L2800W	2000S 9271L	0.1	3	2.5	70	0.5	10	70
104G8	L2810W	2000S 9271L	0.1	4	2.5	76	0.5	11	75
104G8	L2200W	2000SB 9271L	0.1	9	2.5	30	0.5	11	81
104G8	L200W	2040S 9332L	2.0	21	20	60	10	25	79
104G8	L200W	2080S 9332L	1.2	57	150	104	15	42	384
104G8	L200W	2120S 9332L	0.8	49	490	70	10	42	306
104G8	L200W	2160S 9332L	2.0	16	125	22	5	74	60
104G8	L200W	2200S 9332L	2.0	52	175	208	7	190	800
104G8	L200W	2240S 9332L	1.3	27	125	56	5	82	295
104G8	L200W	2280S 9332L	3.0	44	380	79	5	200	470
104G8	L200W	2320S 9332L	3.2	25	100	59	9	83	140
104G8	L200W	2360S 9332L	2.1	46	170	104	13	124	470
104G8	L200W	2400S 9332L	0.4	39	20	55	7	50	331
104G8	L200W	2440S 9332L	0.9	34	30	86	8	74	700
104G8	L200W	2480S 9332L	1.1	13	2.5	175	3	14	80
104G8	L200W	2520S 9332L	1.0	46	20	50	3	41	178
104G8	L200W	2560S 9332L	0.8	53	30	79	3	59	213
104G8	L200W	2600S 9332L	0.8	52	90	42	2	20	102
104G8	L200W	2640S 9332L	3.1	72	25	51	5	64	430
104G8	L200W	2680S 9332L	2.0	102	70	82	3	215	870
104G8	L200W	2720S 9332L	2.0	100	10	50	3	263	560
104G8	L200W	2760S 9332L	1.8	89	230	396	75	153	275
104G8	L200W	2800S 9332L	2.2	94	60	44	5	167	314
104G8	L200W	2840S 9332L	1.3	89	40	40	4	161	212
104G8	L200W	2880S 9332L	1.9	177	85	54	5	194	380
104G8	L200W	2920S 9332L	2.8	95	40	45	4	118	327
104G8	L200W	2960S 9332L	1.8	134	40	44	4	254	309
104G8	L210W	2000S 9332L	0.7	76	105	75	11	50	273
104G8	L410W	2000S 9332L	0.3	70	160	60	8	34	85
104G8	L610W	2000S 9332L	0.6	132	125	57	6	55	110
104G8	L710W	2000S 9332L	0.8	13	40	117	3	25	112
104G8	L810W	2000S 9332L	1.5	9	25	160	4	12	126
104G8	L900W	1320S 9332L	1.4	23	20	60	3	17	144
104G8	L910W	2000S 9332L	0.8	19	10	60	4	12	140
104G8	L1010W	2000S 9332L	0.9	10	20	55	5	21	75
104G8	L1000W	2000S 9332L	0.9	9	20	53	4	20	74
104G8	L1110W	2000S 9332L	0.9	23	80	140	9	35	88
104G8	L1210W	2000S 9332L	1.0	48	240	265	8	43	136
104G8	L1300W	2000S 9332L	0.7	7	2.5	28	3	17	107
104G8	L1310W	2000S 9332L	0.6	11	2.5	28	3	19	95
104G8	L1500W	2000S 9332L	1.3	42	110	194	13	72	118
104G8	L1510W	2000S 9332L	1.6	37	100	193	13	74	117
104G8	L1610W	2000S 9332L	0.6	67	45	76	3	30	95
104G8	L1800W	2000S 9332L	0.5	26	10	43	2	36	129
104G8	L1810W	2000S 9332L	0.6	25	2.5	42	2	36	121
104G8	L1910W	2000S 9332L	0.2	29	15	34	1	13	81
104G8	L2000W	800S 9332L	0.6	55	20	46	1	20	100
104G8	L2000W	840S 9332L	0.7	60	20	56	2	24	107
104G8	L2000W	920S 9332L	0.6	45	2.5	36	3	16	89
104G8	L2000W	960S 9332L	0.4	20	2.5	19	3	13	104
104G8	L2000W	1000S 9332L	0.5	20	2.5	15	2	9	84
104G8	L2000W	1040S 9332L	0.5	13	2.5	16	2	12	92

104G8	L2000W	1080S	9332L	0.3	30	2.5	16	1	12	97
104G8	L2000W	1120S	9332L	0.3	10	2.5	14	2	14	71
104G8	L2000W	1180S	9332L	0.3	6	2.5	14	1	9	86
104G8	L2000W	1200S	9332L	0.2	11	2.5	21	1	12	94
104G8	L2000W	1240S	9332L	0.3	8	2.5	14	1	9	110
104G8	L2000W	1280S	9332L	0.3	28	2.5	20	2	14	94
104G8	L2000W	1320S	9332L	0.4	31	2.5	18	2	16	110
104G8	L2000W	1400S	9332L	0.5	47	2.5	20	1	23	128
104G8	L2000W	1440S	9332L	0.3	10	2.5	23	1	38	116
104G8	L2000W	1480S	9332L	0.3	12	30	34	1	24	127
104G8	L2000W	1520S	9332L	0.5	11	40	28	0.5	41	127
104G8	L2000W	1560S	9332L	0.4	11	15	27	1	43	117
104G8	L2000W	1600S	9332L	0.2	12	20	28	1	25	103
104G8	L2000W	1640S	9332L	1.0	16	25	36	2	67	130
104G8	L2000W	1720S	9332L	0.3	10	2.5	34	1	28	108
104G8	L2000W	1760S	9332L	0.4	15	2.5	55	2	24	134
104G8	L2000W	1800S	9332L	0.2	13	2.5	40	1	16	100
104G8	L2000W	1840S	9332L	0.3	12	2.5	37	1	17	109
104G8	L2000W	1880S	9332L	0.3	11	2.5	33	1	16	106
104G8	L2000W	1920S	9332L	0.3	13	2.5	23	1	12	104
104G8	L2000W	1960S	9332L	0.4	44	2.5	21	2	16	100
104G8	L2000W	2000S	9332L	0.6	107	2.5	34	2	15	90
104G8	L2000W	2760S	9332L	0.5	8	2.5	33	4	24	130
104G8	L2000W	2800S	9332L	0.4	22	2.5	35	1	18	105
104G8	L2000W	2840S	9332L	0.3	12	10	32	1	18	138
104G8	L2000W	2880S	9332L	0.2	16	10	34	1	26	213
104G8	L2000W	2920S	9332L	0.7	20	40	208	2	55	560
104G8	L2000W	2960S	9332L	0.9	78	45	60	2	317	580
104G8	L2000W	3000S	9332L	0.5	24	2.5	36	6	116	324
104G8	L2000W	3040S	9332L	1.8	33	240	72	1	175	1330
104G8	L2010W	2000S	9332L	0.6	89	2.5	42	0.5	16	90
104G8	L2110W	2000S	9332L	0.3	30	10	42	0.5	16	91
104G8	L2200W	2360S	9332L	0.6	74	15	94	5	100	265
104G8	L2200W	3160S	9332L	1.4	45	125	83	5	42	214
104G8	L2200W	3200S	9332L	0.8	53	40	86	4	41	188
104G8	L2200W	3240S	9332L	1.0	224	20	60	7	152	440
104G8	L2200W	3280S	9332L	0.8	111	20	64	8	97	297
104G8	L2200W	3320S	9332L	1.0	85	45	100	8	68	105
104G8	L2200W	3400S	9332L	1.4	56	25	125	6	77	720
104G8	L2200W	3440S	9332L	0.8	99	60	168	5	147	1000
104G8	L2210W	2000S	9332L	0.2	7	35	18	0.5	11	112
104G8	L2310W	2000S	9332L	0.2	16	2.5	40	1	16	78
104G8	L2400W	760S	9332L	0.4	21	2.5	23	1	13	104
104G8	L2400W	800S	9332L	0.8	240	15	15	1	16	93
104G8	L2400W	840S	9332L	1.4	260	15	13	1	20	98
104G8	L2400W	880S	9332L	0.4	82	5	12	1	15	102
104G8	L2400W	920S	9332L	1.2	132	2.5	11	1	20	102
104G8	L2400W	960S	9332L	1.0	82	2.5	11	1	25	97
104G8	L2400W	1000S	9332L	0.4	97	2.5	16	1	12	82
104G8	L2400W	1040S	9332L	0.3	9	2.5	18	0.5	10	88
104G8	L2400W	1080S	9332L	0.1	6	2.5	17	0.5	8	75
104G8	L2400W	1120S	9332L	0.3	33	2.5	16	0.5	7	56
104G8	L2400W	1160S	9332L	0.4	2	2.5	18	0.5	5	55
104G8	L2400W	1200S	9332L	0.4	1	2.5	21	0.5	6	67
104G8	L2400W	2880S	9332L	0.5	46	15	173	0.5	68	140
104G8	L2400W	2920S	9332L	0.4	38	2.5	102	3	48	210
104G8	L2400W	2960S	9332L	0.4	32	25	75	5	43	262
104G8	L2400W	3000S	9332L	1.5	37	110	530	27	77	304
104G8	L2400W	3040S	9332L	1.2	131	160	131	8	98	371
104G8	L2400W	3080S	9332L	2.6	62	75	246	10	163	398
104G8	L2400W	3120S	9332L	0.2	39	30	101	7	61	164
104G8	L2400W	3160S	9332L	0.2	28	40	58	9	67	97
104G8	L2400W	3200S	9332L	0.4	55	45	69	6	50	162
104G8	L2400W	3240S	9332L	0.4	25	40	74	6	40	113
104G8	L2400W	3280S	9332L	0.6	24	25	131	6	45	148
104G8	L2500W	720S	9332L	0.1	10	40	18	2	12	110

104G8	L2500W	760S	9332L	0.2	38	30	34	2	11	93
104G8	L2500W	800S	9332L	0.1	22	30	26	1	11	105
104G8	L2500W	840S	9332L	0.1	18	2.5	22	2	11	100
104G8	L2500W	880S	9332L	0.1	11	2.5	20	1	9	90
104G8	L2500W	920S	9332L	0.1	5	2.5	19	1	7	74
104G8	L2500W	960S	9332L	0.1	14	10	15	1	16	88
104G8	L2500W	1000S	9332L	0.1	7	10	14	1	10	78
104G8	L2500W	1040S	9332L	0.1	3	5	16	2	8	66
104G8	L2500W	1080S	9332L	0.1	4	2.5	13	1	10	77
104G8	L2500W	1120S	9332L	0.1	3	2.5	14	1	7	86
104G8	L2500W	1160S	9332L	0.1	1	2.5	16	1	7	84
104G8	L2500W	1200S	9332L	0.1	6	2.5	13	1	9	93
104G8	L2500W	1240S	9332L	0.1	3	2.5	18	1	6	80
104G8	L2500W	1280S	9332L	0.1	5	2.5	24	1	9	118
104G8	L2500W	1320S	9332L	0.1	1	2.5	11	1	7	76
104G8	L2500W	1360S	9332L	0.1	9	15	25	1	8	110
104G8	L2500W	1400S	9332L	0.1	6	45	18	0.5	8	100
104G8	L2500W	1440S	9332L	0.1	7	20	25	1	10	122
104G8	L2500W	1480S	9332L	0.1	6	30	24	1	9	93
104G8	L2500W	1520S	9332L	0.1	3	40	22	1	7	94
104G8	L2500W	1560S	9332L	0.4	1	2.5	15	1	8	103
104G8	L2500W	1600S	9332L	0.1	2	2.5	15	0.5	7	94
104G8	L2500W	1720S	9332L	0.1	1	2.5	10	1	7	118
104G8	L2500W	1760S	9332L	0.1	2	10	9	0.5	5	76
104G8	L2500W	2520S	9332L	0.2	12	15	73	1	13	97
104G8	L2500W	2560S	9332L	0.2	15	60	113	4	60	220
104G8	L2500W	2800S	9332L	0.1	1	5	13	0.5	8	93
104G8	L2500W	2860S	9332L	0.1	5	2.5	11	0.5	9	114
104G8	L2510W	2000S	9332L	0.2	2	2.5	12	0.5	6	63
104G8	L2600W	680S	9332L	0.2	34	2.5	39	1	12	84
104G8	L2600W	720S	9332L	0.1	38	15	37	1	12	90
104G8	L2600W	760S	9332L	0.1	1	15	11	0.5	8	71
104G8	L2600W	800S	9332L	0.2	37	25	22	0.5	11	95
104G8	L2600W	840S	9332L	0.1	9	40	22	0.5	11	90
104G8	L2600W	880S	9332L	0.1	4	25	14	0.5	10	71
104G8	L2600W	920S	9332L	0.1	2	20	15	0.5	10	78
104G8	L2600W	960S	9332L	0.1	11	2.5	16	0.5	12	88
104G8	L2600W	1000S	9332L	0.1	4	10	16	0.5	10	70
104G8	L2600W	1040S	9332L	0.1	108	2.5	14	0.5	11	70
104G8	L2600W	1080S	9332L	0.1	6	2.5	13	0.5	10	63
104G8	L2600W	1120S	9332L	0.1	5	2.5	13	0.5	10	79
104G8	L2600W	1160S	9332L	0.1	1	2.5	5	1	10	71
104G8	L2600W	1200S	9332L	0.1	3	2.5	11	0.5	9	86
104G8	L2600W	1240S	9332L	0.1	7	2.5	10	0.5	10	73
104G8	L2600W	1400S	9332L	0.1	7	2.5	31	0.5	8	61
104G8	L2600W	1440S	9332L	0.1	4	2.5	18	0.5	12	90
104G8	L2600W	1480S	9332L	0.1	3	2.5	47	0.5	11	78
104G8	L2710W	2000S	9332L	0.1	5	2.5	62	0.5	10	83
104G8		89JT29	9459L	1.6	460	90	48	0.5	324	143
104G8	L2735W	2905S	9459L	0.7	31	240	162	8	47	117
104G8	L2735W	2925S	9459L	1.0	25	430	258	9	177	137
104G8	L2735W	2945S	9459L	1.2	33	140	246	28	134	110
104G8	L2735W	2965S	9459L	1.2	25	110	248	15	128	124
104G8	L2735W	2985S	9459L	0.7	13	110	230	10	41	129
104G8	L2745W	3000S	9459L	1.3	10	385	332	12	32	77
104G8	L2800W	2855S	9459L	99999	99999	99999	99999	99999	99999	99999
104G8		89JT46	9459L	2.0	42	45	194	14	120	250
104G8		89JT50	9459L	6.0	240	435	111	5	260	112
104G8	950W	1640S	9459L	0.1	9	2.5	112	14	19	58
104G8	950W	1680S	9459L	0.6	19	2.5	74	5	15	85
104G8	950W	1720S	9459L	0.2	21	20	960	37	56	159
104G8	950W	1760S	9459L	0.6	5	2.5	110	10	21	102
104G8	950W	1800S	9459L	1.3	11	30	70	53	29	94
104G8	950W	1840S	9459L	0.4	7	10	68	4	15	71
104G8	950W	1880S	9459L	0.4	24	2.5	75	2	22	103
104G8	950W	1920S	9459L	0.2	5	2.5	34	0.5	11	57

104G8	950W	1960S	9459L	0.2	23	2.5	45	2	11	82
104G8	1100W	2040S	9459L	0.5	23	80	79	7	38	84
104G8	1100W	2080S	9459L	0.5	20	10	36	3	34	141
104G8	1100W	2160S	9459L	0.5	21	40	85	4	41	120
104G8	1100W	2200S	9459L	0.3	18	2.5	18	2	25	103
104G8	1100W	2240S	9459L	1.0	75	120	19	2	28	110
104G8	1300W	2840S	9459L	1.3	26	2.5	43	3	50	297
104G8	1300W	2880S	9459L	3.3	190	60	34	10	250	870
104G8	1300W	2920S	9459L	0.5	96	2.5	88	2	80	320
104G8	1300W	2960S	9459L	3.1	26	2.5	48	1	26	960
104G8	1300W	3000S	9459L	1.4	49	2.5	57	2	103	184
104G8	1300W	3040S	9459L	0.8	96	2.5	44	2	81	100
104G8	1300W	3080S	9459L	1.8	230	2.5	33	4	45	61
104G8	1400W	1840S	9459L	0.9	46	110	700	34	40	105
104G8	1500W	1600S	9459L	0.8	14	225	480	56	38	64
104G8	1500W	1640S	9459L	0.7	12	220	570	70	34	67
104G8	1500W	1680S	9459L	0.8	17	235	600	82	36	66
104G8	1500W	1720S	9459L	0.7	31	170	530	43	38	89
104G8	1500W	1760S	9459L	0.2	25	10	52	5	25	113
104G8	1500W	1800S	9459L	0.4	44	30	117	8	34	137
104G8	1500W	1840S	9459L	0.3	61	80	136	9	45	152
104G8	1500W	1880S	9459L	0.2	19	2.5	37	3	16	93
104G8	1500W	1920S	9459L	0.3	31	2.5	61	3	26	123
104G8	1500W	1960S	9459L	0.2	17	2.5	42	4	21	108
104G8	1500W	2240S	9459L	0.3	10	2.5	50	1	18	117
104G8	1500W	2520S	9459L	0.5	51	2.5	35	2	14	125
104G8	1600W	1910S	9459L	0.5	24	2.5	81	3	22	118
104G8	1700W	2040S	9459L	0.4	25	2.5	89	2	22	116
104G8	1700W	2360S	9459L	0.1	9	2.5	45	1	18	128
104G8	1700W	2480S	9459L	0.4	12	2.5	42	1	14	122
104G8	1700W	2680S	9459L	0.4	92	20	50	3	20	138
104G8	1800W	2360S	9459L	0.1	10	2.5	51	2	15	107
104G8	1800W	2640S	9459L	0.2	20	2.5	40	2	14	123
104G8	1900W	1910S	9459L	0.4	39	25	42	2	30	182
104G8	1900W	1970S	9459L	0.2	37	2.5	43	1	14	112
104G8	1900W	2480S	9459L	0.2	9	2.5	35	0.5	10	104
104G8	2000W	2000S	9459L	0.3	59	2.5	39	0.5	15	113
104G8	2000W	2080S	9459L	0.2	16	2.5	48	0.5	18	120
104G8	2000W	2130S	9459L	0.1	12	2.5	38	0.5	12	94
104G8	2000W	2600S	9459L	0.1	14	2.5	46	1	14	128
104G8	2200W	2200S	9459L	0.1	12	2.5	43	2	14	115
104G8	2300W	2000S	9459L	0.1	15	2.5	40	0.5	14	100
104G8	2300W	2040S	9459L	0.1	5	2.5	25	0.5	9	120
104G8	2400W	1920S	9459L	0.1	18	2.5	29	0.5	12	118
104G8	2400W	2010S	9459L	0.1	17	2.5	36	0.5	11	115
104G8	2500W	1640S	9459L	0.1	3	2.5	15	1	9	97
104G8	2600W	1280S	9459L	0.1	1	2.5	10	0.5	13	88
104G8	2600W	1320S	9459L	0.1	7	2.5	5	0.5	13	90
104G8	2600W	1360S	9459L	0.1	2	2.5	17	0.5	9	72
104G8	2600W	1520S	9459L	0.1	7	2.5	37	0.5	7	96
104G8	2600W	1560S	9459L	0.1	10	2.5	54	0.5	15	94
104G8	2600W	1720S	9459L	0.1	5	2.5	33	0.5	8	104
104G8	2600W	1760S	9459L	0.1	4	2.5	18	0.5	7	124
104G8	2600W	1800S	9459L	0.1	2	2.5	12	0.5	6	152
104G8	2600W	1840S	9459L	0.2	5	2.5	11	1	10	82
104G8	2600W	1960S	9459L	0.2	25	2.5	15	1	11	70
104G8	2600W	2000S	9459L	0.3	9	2.5	24	2	7	82
104G8	2600W	2640S	9459L	0.2	7	2.5	17	0.5	7	118
104G8	2600W	2680S	9459L	0.2	4	2.5	14	0.5	6	98
104G8	2675W	1410S	9459L	0.2	4	2.5	21	1	7	73
104G8	2700W	1320S	9459L	0.1	1	2.5	11	0.5	8	76
104G8	2700W	1720S	9459L	0.2	8	2.5	22	0.5	8	60
104G8	2700W	1800S	9459L	0.2	3	2.5	22	0.5	10	70
104G8	2700W	1880S	9459L	0.2	6	2.5	60	0.5	12	100
104G8	2800W	2000S	9459L	0.1	8	2.5	73	0.5	11	79
104G8	2800W	2040S	9459L	0.2	8	2.5	65	0.5	14	82

104G8	2800W	2080S	9459L	0.2	4	2.5	58	0.5	16	84
104G8	2800W	2120S	9459L	0.2	22	2.5	46	1	12	84
104G8	2800W	2160S	9459L	0.2	15	2.5	58	1	22	90
104G8	2800W	2200S	9459L	0.2	1	2.5	64	0.5	11	72
104G8	2800W	2240S	9459L	0.2	7	2.5	44	1	15	105
104G8	2800W	2280S	9459L	0.2	6	2.5	52	0.5	16	155
104G8	2800W	2320S	9459L	0.1	5	2.5	48	1	13	93
104G8	2800W	2360S	9459L	0.1	8	5	70	0.5	12	87
104G8	2800W	2400S	9459L	0.1	4	2.5	69	0.5	11	93
104G8	2800W	2440S	9459L	0.2	7	2.5	57	0.5	12	86
104G8	950W	1200S	9501L	0.4	43	99999	242	3	55	172
104G8	950W	1240S	9501L	0.2	54	35	91	2	45	88
104G8	950W	1280S	9501L	0.7	17	250	1040	21	27	71
104G8	950W	1320S	9501L	0.4	24	40	87	2	15	114
104G8	950W	1360S	9501L	0.2	10	75	147	17	19	62
104G8	950W	1400S	9501L	0.5	22	5	43	3	18	80
104G8	950W	1440S	9501L	0.2	43	35	940	9	86	155
104G8	950W	1480S	9501L	0.4	1	5	25	4	13	67
104G8	950W	1520S	9501L	0.4	11	2.5	50	5	13	75
104G8	950W	1560S	9501L	0.3	35	25	178	12	20	92
104G8	950W	1600S	9501L	0.3	11	15	240	8	30	68
104G8	950W	89JT24	9501L	0.2	7	2.5	33	0.5	9	87
104G8	950W	89JT26	9501L	0.3	21	2.5	34	1	10	80

PDI GEOCHEM SYSTEM: Data From: V243 BALL CREEK

GRID	SAMPLE		PROJECT	Ag PPM	As PPM	Aul PPB	Cu PPM	Mo PPM	Pb PPM	Zn PPM
104G8	89TH25	51362	9495	0.2	<2	10	86	**44**	13	20
104G8	89TH25	51362*	9495	0.2	<2	<5	86	**45**	14	20
104G8	89TH30	51363	9495	0.2	5	45	128	7	42	65
104G8	89TH35	51364	9495	0.2	7	40	140	6	8	25
104G8	89TH50	51365	9495	0.3	<2	90	187	5	14	35
test	STD P1		9495	0.2	18		23	50	50	117

END OF LISTING - 63 RECORDS PRINTED Run on: 89:11:08 at 14:29:24

PDI GEOCHEM SYSTEM: Data From: V243 BALL CREEK

GRID	SAMPLE		PROJECT	Ag PPM	As PPM	Au1 PPB	Cu PPM	Mo PPM	Pb PPM	Zn PPM
104G8	89JP50	51108	9434	0.3	4	60	216	20	7	30
104G8	89JP60	51109	9434	0.3	5	90	228	21	8	20
104G8	89JP70	51110	9434	0.4	4	125	200	28	15	20
104G8	89JP75	51111	9434	0.2	3	75	204	12	12	26
104G8	89JP85	51112	9434	<0.2	3	40	204	6	8	32
104G8	89JP95	51113	9434	<0.2	3	100	235	3	4	52
104G8	89JP100	51114	9434	<0.2	<2	20	1430	3	3	73
104G8	89JP105	51115	9434	<0.2	<2	90	1300	11	7	54
104G8	89JP110	51116	9434	0.2	2	60	1020	7	8	48
104G8	89JP110	51116*	9434	0.2	<2	50	1000	7	7	44
104G8	89JP115	51117	9434	0.3	<2	60	500	24	9	35
104G8	89JP125	51118	9434	0.2	4	135	1320	7	5	66
104G8	89JP130	51119	9434	1.1	2	425	1330	81	13	41
104G8	89JP140	51120	9434	0.8	3	455	1410	35	8	49
104G8	89JP150	51121	9434	0.7	<2	290	1410	12	7	53
104G8	89JP160	51122	9434	2.2	2	250	1140	68	12	26
104G8	89JP170	51123	9434	1.0	8	250	1250	27	11	34
104G8	89JP180	51124	9434	0.8	4	140	1920	130	7	21
104G8	89T70	51105	9434	0.2	5	60	53	5	7	20
104G8	89T70	51105*	9434	0.2	7	60	54	5	5	18
104G8	89T93	51251	9434	0.2	22	105	90	3	44	41
104G8	89T132	51253	9434	<0.2	7	<5	12	2	137	208
104G8	89JPG5	51254	9434	1.0	13	40	460	6	35	82
104G8	89JPG6	51255	9434	2.1	20	90	510	10	10	54
104G8	89JPG8	51257	9434	1.2	26	70	228	10	14	35
104G8	89JPG9	51258	9434	0.9	17	215	83	10	17	21
104G8	89JPG12	51259	9434	0.8	26	110	48	8	69	30
104G8	89JPG0	51265	9434	<0.2	8	<5	20	3	27	48
test	STD P1		9434	0.2	21		21	52	51	125
test	STD AU5		9434			455				
104G8		51106	9461	<0.2	<2	20	180	6	7	22
104G8		51107	9461	<0.2	40	80	8	5	16	54
104G8		51125	9461	0.3	<2	<5	118	11	25	47
104G8		51151	9461	0.2	3	<5	7	2	15	43
104G8		51152	9461	<0.2	2	<5	9	4	7	12
104G8		51153	9461	0.5	140	20	23	10	11	117
104G8		51154	9461	<0.2	3	15	41	17	11	11
104G8		51155	9461	0.2	<2	620	5	7	4	6
104G8		51252	9461	0.2	<2	<5	100	2	7	94
test	STD P1		9461	0.3	16		22	52	52	120
104G8		51256	9461	1.6	16	100	352	9	13	58
104G8		51260	9461	3.7	<2	260	0.78%	19	9	37
104G8		51262	9461	4.2	73	125	660	55	0.52%	0.53%
104G8		51263	9461	3.3	5	30	2030	40	0.48%	0.43%
104G8		51266	9461	0.5	8	40	71	7	41	49
104G8		51267	9461	1.5	28	100	258	12	26	30
104G8		51268	9461	3.0	44	110	272	13	23	30
104G8		51268*	9461	3.0	42	110	267	13	23	30
test	STD AU5		9461			460				
104G8	89T206	51269	9495	<0.2	<2	120	1730	19	9	71
104G8	89JT8	51270	9495	<0.2	16	<5	18	1	30	62
104G8	89A51	51271	9495	1.3	4	<5	335	1	50	347
104G8	89AK2	51272	9495	8.0	20	40	500	2	164	280
104G8	89TH0	51273	9495	0.2	5	45	128	5	13	42
104G8	89TH10	51274	9495	0.5	8	50	198	8	30	46
104G8	89TH15	51275	9495	<0.2	<2	20	128	5	11	43
104G8	89TH20	51361	9495	0.2	3	50	150	9	12	26

PDI GEOCHEM SYSTEM: Data From: V243 BALL CREEK DATE: 89:08:09 PAGE: 1

GRID	SAMPLE		PROJECT	Ag PPM	As PPM	Au1 PPB	Cu PPM	Mo PPM	Pb PPM	Zn PPM
4G8	89T7	51176	9236	0.7	36	15	14	<1	49	19
104G8	89T27	51177	9236	0.2	<2	<5	78	1	6	20
104G8	89T30	51178	9236	0.2	<2	170	74	1	6	25
104G8	89T31	51179	9236	0.2	<2	<5	21	<1	5	59
104G8	89T34	51180	9236	<0.2	<2	40	7	<1	8	18
104G8	89T37	51181	9236	10	14	20	1020	6	560	0.45%
104G8	89T38	51182	9236	14	14	50	2550	13	42	57
104G8	89T39	51183	9236	4.4	7	180	1600	18	13	37
104G8	89T41	51184	9236	12	4	30	2440	1	12	21
104G8	89T41	51184*	9236	12	4	30	2450	1	12	23
104G8	89T42	51185	9236	0.3	22	15	10	2	24	43
104G8	89T46	51186	9236	<0.2	2	<5	140	2	12	37
104G8	89T48	51187	9236	2.5	22	60	374	3	8	45
104G8	89T49	51188	9236	0.8	2	30	83	2	6	52
104G8	89T50	51189	9236	1.3	4	65	164	18	5	33
104G8	89T52	51190	9236	0.2	<2	10	26	<1	7	92
104G8	89H1	51191	9236	31	44	25	150	820	2330	270
104G8	89J1	51192	9236	10	23	205	1380	20	12	47
104G8	89J2	51193	9236	14	79	40	750	14	0.82%	1.02%
104G8	89J2	51193*	9236	14	81	35	710	13	0.82%	1.02%
104G8	89J3	51101	9236	15	67	30	1320	14	1.01%	0.80%
104G8	89J4	51102	9236	0.7	9	<5	132	110	200	100
test	STD P1		9236	0.2	16		23	50	52	115
test	STD AG		9236	40						
test	STD PB-ZN		9236						0.82%	0.54%
st	STD AU4		9236			360				

END OF LISTING - 26 RECORDS PRINTED Run on: 89:08:09 at 9:05:38

GRID	SAMPLE	PROJECT		Ag PPM	Au1 PPB	Cu PPM	Mo PPM	Pb PPM	Zn PPM
104G8W	89C2	51194	9237	0.2	80	14	7	5	16
104G8W	89C8	51195	9237	0.2	15	49	3	10	63
104G8W	89C10	51196	9237	0.2	<5	6	3	12	88
104G8W	89C12	51197	9237	0.2	15	173	2	12	39
104G8W	89C13	51198	9237	<0.2	<5	63	2	8	43
104G8W	89C14	51199	9237	<0.2	<5	6	2	11	53
104G8W	89C17	51200	9237	<0.2	30	44	1	15	37
104G8W	89C18	51103	9237	0.6	400	37	1	28	26
104G8W	89C21	51104	9237	0.2	<5	5	<1	<2	11
104G8W	89C21	51104*	9237	0.2	<5	4	<1	<2	11

END OF LISTING - 10 RECORDS PRINTED Run on: 89:08:09 at 9:05:38

PDI GEOCHEM SYSTEM: Data From: V243 BALL CREEK

GRID	SAMPLE		PROJECT	As PPM	Au PPM
104G8		51001	9475	<2	0.13
104G8		51002	9475	<2	0.24
104G8		51003	9475	3	0.24
104G8		51004	9475	<2	0.10
104G8		51005	9475	<2	0.21
104G8		51006	9475	<2	0.48
104G8		51007	9475	2	1.23
104G8		51008	9475	3	0.34
104G8		51009	9475	<2	0.20
104G8		51009*	9475	<2	
104G8		51010	9475	<2	0.24
104G8		51011	9475	<2	0.37
104G8		51012	9475	<2	0.56
104G8		51013	9475	<2	0.21
104G8		51014	9475	<2	0.55
104G8		51015	9475	3	0.38
104G8		51016	9475	2	0.16
104G8		51017	9475	<2	0.18
104G8		51018	9475	<2	0.18
104G8		51018*	9475	<2	
104G8		51019	9475	3	0.30
104G8		51020	9475	<2	0.34
104G8		51021	9475	2	0.24
104G8		51022	9475	<2	0.28
104G8		51023	9475	<2	0.52
104G8		51024	9475	<2	0.40
104G8		51025	9475	<2	0.69
104G8		51026	9475	<2	0.46
104G8		51027	9475	<2	0.53
104G8		51027*	9475	<2	
104G8		51028	9475	<2	0.43
104G8		51029	9475	<2	0.57
104G8		51030	9475	<2	0.58
104G8		51031	9475	<2	0.30
104G8		51032	9475	<2	0.58
104G8		51033	9475	3	0.29
104G8		51035	9475	<2	0.43
104G8		51036	9475	<2	0.50
104G8		51037	9475	<2	0.46
test	STD P1		9475	16	
104G8		51038	9475	<2	0.44
104G8		51039	9475	3	0.44
104G8		51040	9475	<2	0.37
104G8		51041	9475	2	0.41
104G8		51042	9475	<2	0.41
104G8		51043	9475	<2	0.61
104G8		51044	9475	2	0.32
104G8		51045	9475	<2	0.46
104G8		51046	9475	<2	0.60
104G8		51046*	9475	<2	
104G8		51047	9475	<2	0.66
104G8		51048	9475	<2	0.24
104G8		51049	9475	2	0.24
104G8		51050	9475	<2	0.13
104G8		51051	9475	2	0.12
104G8		51052	9475	2	0.17
104G8		51053	9475	<2	0.17

PDI GEOCHEM SYSTEM: Data From: V243 BALL CREEK

GRID	SAMPLE		PROJECT	As PPM	Au PPM
104G8		51354	9475	<2	0.08
104G8		51355	9475	<2	0.02
104G8		51356	9475	2	0.06
104G8		51357	9475	<2	0.05
104G8		51358	9475	2	0.05
104G8		51359	9475	<2	0.08
104G8		51360	9475	<2	0.02
test	STD P1		9475	16	

END OF LISTING - 179 RECORDS PRINTED Run on: 89:09:21 at 16:

PDI GEOCHEM SYSTEM: Data From: V243 BALL CREEK

GRID	SAMPLE		PROJECT	As PPM	Au PPM
104G8		51140	9475	<2	0.20
104G8		51141	9475	<2	0.21
104G8		51142	9475	<2	0.34
104G8		51143	9475	<2	0.24
104G8		51144	9475	<2	0.22
104G8		51144*	9475	<2	
104G8		51145	9475	<2	0.21
104G8		51146	9475	<2	0.10
104G8		51147	9475	<2	0.22
104G8		51148	9475	<2	0.32
104G8		51149	9475	3	0.11
104G8		51150	9475	<2	0.33
104G8		51204	9475	2	0.04
104G8		51205	9475	<2	0.04
104G8		51206	9475	3	0.37
test	STD P1		9475	16	
104G8		51207	9475	<2	0.43
104G8		51208	9475	3	0.18
104G8		51209	9475	<2	0.08
104G8		51210	9475	3	0.12
104G8		51211	9475	2	0.16
104G8		51212	9475	3	0.15
104G8		51213	9475	<2	0.11
104G8		51214	9475	<2	0.13
104G8		51215	9475	<2	0.14
104G8		51215*	9475	2	
104G8		51216	9475	<2	0.12
104G8		51222	9475	<2	0.04
104G8		51288	9475	2	0.66
104G8		51301	9475	3	0.08
104G8		51302	9475	2	0.05
104G8		51303	9475	3	0.04
104G8		51304	9475	<2	0.06
104G8		51305	9475	<2	0.04
104G8		51306	9475	<2	0.07
104G8		51306*	9475	<2	
104G8		51307	9475	<2	0.06
104G8		51308	9475	<2	0.21
104G8		51309	9475	<2	0.06
104G8		51310	9475	2	0.06
104G8		51311	9475	3	0.05
104G8		51312	9475	<2	0.05
104G8		51313	9475	2	0.14
104G8		51314	9475	<2	0.06
104G8		51315	9475	<2	0.03
104G8		51315*	9475	<2	
104G8		51316	9475	<2	0.07
104G8		51317	9475	<2	0.04
104G8		51318	9475	2	0.04
104G8		51319	9475	<2	0.03
104G8		51320	9475	<2	0.06
104G8		51321	9475	<2	0.06
104G8		51322	9475	<2	0.04
104G8		51323	9475	<2	0.03
104G8		51324	9475	<2	0.03
104G8		51324*	9475	<2	
104G8		51325	9475	<2	0.18

PDI GEOCHEM SYSTEM: Data From: V243 BALL CREEK

GRID	SAMPLE		PROJECT	As PPM	Au PPM
104G8		51054	9475	<2	0.15
104G8		51055	9475	2	0.14
104G8		51055*	9475	<2	
104G8		51056	9475	2	0.22
104G8		51057	9475	<2	0.27
104G8		51058	9475	<2	0.34
104G8		51059	9475	<2	0.24
104G8		51060	9475	4	0.46
104G8		51061	9475	<2	0.47
104G8		51062	9475	<2	0.32
104G8		51063	9475	<2	0.20
104G8		51064	9475	2	0.13
test	STD P1		9475	19	
104G8		51065	9475	<2	0.21
104G8		51066	9475	3	0.14
104G8		51067	9475	<2	0.10
104G8		51068	9475	<2	0.22
104G8		51069	9475	<2	0.20
104G8		51070	9475	3	0.19
104G8		51071	9475	<2	0.15
104G8		51072	9475	<2	0.17
104G8		51073	9475	2	0.14
104G8		51073*	9475	<2	
104G8		51074	9475	<2	0.14
104G8		51075	9475	2	0.60
104G8		51076	9475	4	0.11
104G8		51077	9475	3	0.13
104G8		51078	9475	5	0.09
104G8		51079	9475	<2	0.30
104G8		51080	9475	<2	0.14
104G8		51081	9475	2	0.08
104G8		51082	9475	<2	0.04
104G8		51082*	9475	<2	
104G8		51083	9475	<2	0.13
104G8		51084	9475	<2	0.07
104G8		51085	9475	<2	0.05
104G8		51086	9475	3	0.05
104G8		51087	9475	<2	0.03
104G8		51088	9475	<2	0.02
104G8		51092	9475	2	0.02
104G8		51100	9475	<2	0.08
104G8		51126	9475	<2	0.17
test	STD P1		9475	16	
104G8		51127	9475	<2	0.44
104G8		51128	9475	<2	0.17
104G8		51129	9475	5	0.02
104G8		51130	9475	<2	0.04
104G8		51131	9475	<2	0.04
104G8		51132	9475	<2	0.10
104G8		51133	9475	<2	0.08
104G8		51134	9475	5	0.38
104G8		51135	9475	<2	0.12
104G8		51135*	9475	<2	
104G8		51136	9475	2	0.12
104G8		51137	9475	<2	0.06
104G8		51138	9475	3	0.31
104G8		51139	9475	2	0.27

PDI GEOCHEM SYSTEM: Data From: V245 BALL CREEK

GRID	SAMPLE		PROJECT	As PPM	Au PPM
10468		51034	9494	<2	0.28
10468		51156	9494	<2	0.02
10468		51157	9494	<2	0.02
10468		51158	9494	<2	0.10
10468		51159	9494	<2	0.12
10468		51160	9494	<2	0.32
10468		51161	9494	<2	0.08
10468		51162	9494	<2	0.04
10468		51163	9494	<2	0.18
test	STD PI		9494	16	
10468		51164	9494	<2	0.17
10468		51165	9494	<2	0.12
10468		51166	9494	<2	0.30
10468		51167	9494	<2	0.33
10468		51168	9494	<2	0.42
10468		51169	9494	<2	0.42
10468		51170	9494	<2	0.17
10468		51171	9494	<2	0.18
10468		51172	9494	<2	0.22
10468		51172*	9494	<2	
10468		51173	9494	<2	0.16
10468		51174	9494	<2	0.16
10468		51175	9494	<2	0.18
10468		51217	9494	4	0.16
10468		51218	9494	4	0.16
10468		51220	9494	<2	0.06
10468		51223	9494	<2	0.04
10468		51224	9494	<2	0.10
10468		51225	9494	2	0.11
10468		51225*	9494	<2	
10468		51226	9494	<2	0.09
10468		51227	9494	<2	0.12
10468		51228	9494	3	0.07
10468		51229	9494	<2	0.13
10468		51230	9494	3	0.06
10468		51231	9494	<2	0.06
10468		51232	9494	<2	0.18
10468		51233	9494	<2	0.16
10468		51234	9494	9	0.07
10468		51234*	9494	7	
10468		51235	9494	13	0.07
10468		51236	9494	<2	0.36
10468		51237	9494	<2	0.10
10468		51238	9494	<2	0.06
10468		51239	9494	<2	0.04
10468		51240	9494	<2	0.02
10468		51241	9494	<2	0.14
10468		51242	9494	<2	0.01
10468		51243	9494	<2	0.01
10468		51243*	9494	<2	
10468		51244	9494	<2	0.04
10468		51245	9494	<2	0.04
10468		51246	9494	2	0.12
10468		51247	9494	<2	0.40
10468		51248	9494	<2	0.20
10468		51249	9494	<2	0.30
10468		51250	9494	<2	0.24

PDT GEOCHEM SYSTEM: Data From: V245 BALL CREEK

GRID	SAMPLE		PROJECT	As PPM	Au PPM
104G8		51276	9494	<2	0.09
104G8		51277	9494	<2	0.25
test	STD P1		9494	16	
104G8		51278	9494	<2	0.03
104G8		51279	9494	<2	0.14
104G8		51280	9494	<2	0.22
104G8		51281	9494	<2	0.14
104G8		51282	9494	<2	0.19
104G8		51283	9494	<2	0.06
104G8		51284	9494	<2	0.10
104G8		51285	9494	<2	0.10
104G8		51286	9494	<2	0.13
104G8		51286*	9494	<2	
104G8		51287	9494	<2	0.06
104G8		51289	9494	<2	0.26
104G8		51290	9494	<2	0.16
104G8		51291	9494	<2	0.20
104G8		51292	9494	<2	0.08
104G8		51293	9494	7	0.20
104G8		51294	9494	<2	0.46
104G8		51295	9494	<2	0.24
104G8		51296	9494	<2	0.31
104G8		51296*	9494	<2	
104G8		51297	9494	<2	0.36
104G8		51298	9494	<2	0.20
104G8		51299	9494	<2	0.16
104G8		51300	9494	<2	0.07
104G8		51326	9494	<2	0.14
104G8		51327	9494	<2	0.08
104G8		51328	9494	<2	0.50
104G8		51329	9494	<2	0.04
104G8		51330	9494	<2	<0.01
104G8		51330*	9494	<2	
104G8		51331	9494	<2	<0.01
104G8		51332	9494	<2	0.10
104G8		51333	9494	<2	0.03
104G8		51334	9494	<2	0.10
104G8		51335	9494	<2	0.08
104G8		51336	9494	<2	0.28
104G8		51337	9494	<2	0.14
104G8		51338	9494	<2	0.09
104G8		51339	9494	<2	0.12
104G8		51339*	9494	<2	
104G8		51340	9494	<2	0.21
104G8		51341	9494	<2	0.18
104G8		51342	9494	<2	0.12
104G8		51343	9494	<2	0.24
104G8		51344	9494	<2	0.46
104G8		51345	9494	<2	0.24
104G8		51346	9494	<2	0.16
104G8		51347	9494	<2	0.16
104G8		51348	9494	<2	0.08
test	STD P1		9494	18	
104G8		51349	9494	<2	0.11
104G8		51350	9494	<2	0.14
104G8		51351	9494	<2	0.12
104G8		51352	9494	<2	0.12

PDI GEOCHEM SYSTEM: Data From: V243 BALL CREEK

GRID	SAMPLE	PROJECT	As PPM	Au PPM
104G8	51353	9494	<2	0.12
104G8	51353*	9494	<2	

END OF LISTING - 116 RECORDS PRINTED Run on: 89:10:04 at 14:41:38

PDI GEOCHEM SYSTEM: Data From: V243 BALL CREEK

GRID	SAMPLE		PROJECT	Ag PPM	As PPM	Au1 PPB	Cu PPM	Mo PPM	Pb PPM	Zn PPM
104G8		51106	9461	<0.2	<2	20	180	6	7	22
104G8		51107	9461	<0.2	40	80	8	5	16	54
104G8		51125	9461	0.3	<2	<5	118	11	25	47
104G8		51151	9461	0.2	3	<5	7	2	15	43
104G8		51152	9461	<0.2	2	<5	9	4	7	12
104G8		51153	9461	0.5	140	20	23	10	11	117
104G8		51154	9461	<0.2	3	15	41	17	11	11
104G8		51155	9461	0.2	<2	620	5	7	4	6
104G8		51252	9461	0.2	<2	<5	100	2	7	94
test	STD P1		9461	0.3	16		22	52	52	120
104G8		51256	9461	1.6	16	100	352	9	13	58
104G8		51260	9461	3.7	<2	260	0.78%	19	9	37
104G8		51262	9461	4.2	73	125	660	55	0.52%	0.53%
104G8		51263	9461	3.3	5	30	2030	40	0.48%	0.43%
104G8		51266	9461	0.5	8	40	71	7	41	49
104G8		51267	9461	1.5	28	100	258	12	26	30
104G8		51268	9461	3.0	44	110	272	13	23	30
104G8		51268*	9461	3.0	42	110	267	13	23	30
test	STD AU5		9461			460				

END OF LISTING - 19 RECORDS PRINTED Run on: 89:09:14 at 16:48:56

GRID	SAMPLE	PROJECT		AG PPM	AS PPM	AU3 PPB	CU PPM	MO PPM	PB PPM	ZN PPM
1046B		4301	9502	1.1	3	55	660	19	12	40
1046B	89JT10	4302	9502	<0.2	3	<5	164	44	11	28
1046B	89JT11	4303	9502	4.0	16	10	710	27	56	59
1046B	89JT17	4304	9502	0.8	12	20	112	15	291	60
1046B	89JT18	4305	9502	1.2	15	10	142	8	620	180
1046B	89JT19	4306	9502	1.4	26	55	141	48	178	60
1046B	89JT20	4307	9502	10.0	33	45	440	20	24	20
1046B	89JT21	4308	9502	0.2	4	15	295	310	6	17
1046B	89JT22	4309	9502	1.1	10	340	560	2	11	190
1046B	89JT22	4309*	9502	1.0	12	520	560	2	11	185
1046B	89JT23	4310	9502	<0.2	7	<5	33	1	5	95
1046B	89JT25	4311	9502	<0.2	8	5	37	6	7	82
1046B	89JT30	4312	9502	1.1	157	40	8	<1	40	16
1046B	89JT31	4313	9502	0.2	10	10	19	1	85	59
1046B	89JT38	4314	9502	<0.2	6	405	10	2	25	35
1046B	89JT41	4315	9502	0.3	15	10	94	2	20	38
1046B	89JT42	4316	9502	0.4	5	20	146	2	9	81
1046B	89JT44	4317	9502	<0.2	8	15	48	2	9	13
1046B	89JT45	4318	9502	<0.2	3	15	12	1	9	15
1046B	89JT45	4318*	9502	<0.2	2	10	11	1	8	15
1046B	89JT49	4319	9502	<0.2	5	15	25	<1	7	14
1046B	89JT49	4320	9502	1.5	63	115	15	<1	23	10
1046B	89JT51	4321	9502	<0.2	65	20	33	<1	56	62
1046B	89JT13	51261	9502	5.0	75	80	810	14	0.60%	0.41%
1046B	89JT16	51264	9502	0.7	18	<5	44	400	160	49
test	STD P1		9502	0.2	16		22	48	50	121

END OF LISTING - 26 RECORDS PRINTED RUN ON: 89:10:13 AT 11:50:52

GRID	SAMPLE		PROJECT	Ag PPM	As PPM	Au1 PPB	Cu PPM	Mo PPM	Pb PPM	Zn PPM
L04G8	89JT	2	9282	<0.2	11	<5	34	1	11	105
L04G8	89JT	3	9282	<0.2	27	20	45	<1	9	98
L04G8	89JT	5	9282	<0.2	54	40	40	6	9	57
L04G8	89JT	6	9282	<0.2	22	15	24	<1	13	61
L04G8	89JT	7	9282	<0.2	17	60	68	<1	5	45
L04G8	89JR	1	9282	<0.2	23	25	55	<1	19	134
L04G8	89TH	2	9282	<0.2	10	30	35	1	15	148
L04G8	89TH	3	9282	<0.2	9	400	150	1	22	268
L04G8	89TH	4	9282	<0.2	7	50	38	<1	5	68
L04G8	89TH	4*	9282	<0.2	4	<5	36	<1	4	68
L04G8	89TH	6	9282	0.2	18	<5	123	1	22	180
L04G8	89TH	7	9282	<0.2	15	<5	68	<1	36	145
L04G8	89TH	8	9282	<0.2	12	<5	74	<1	7	84
L04G8	89T	40	9282	26	105	320	1580	32	275	134
L04G8	89AR1	1S	9282	0.8	22	<5	55	2	7	123
L04G8	89AR1	2S	9282	0.6	63	5	60	3	5	126
L04G8	89AR1	3	9282	<0.2	15	10	83	2	12	100
L04G8	89AR1	S4S	9282	<0.2	6	<5	46	<1	7	113
L04G8	89AR1	5S	9282	<0.2	8	15	46	<1	8	107
L04G8	89AR1	5S*	9282	<0.2	9	<5	44	<1	8	104
L04G8	89AR1	6S	9282	<0.2	18	<5	61	2	12	108
L04G8	89AR1	7S	9282	<0.2	24	<5	76	2	14	93
L04G8	89AR1	8S	9282	<0.2	41	<5	33	1	12	75
L04G8	89JK	1	9282	1.4	110	60	103	10	108	151
[illegible]	STD P1		9282	0.3	17		23	51	52	110

END OF LISTING - 25 RECORDS PRINTED Run on: 89:08:22 at 14:13:58

APPENDIX NO 6

Statistical Analysis of Soil Results

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

PDI Data Analysis System - STATS

run on 90:01:03 at 10:59:11

Current directory: /placer1_1e/expl/ballck/gchm

V243 BALL CREEK

Summary of data from file : soils.assy

This data file contains an internal header: (5 records)
Data grouped into 12 fields
with format: (3A8,A4,A2, 7F6.0)

Character ID fields:
GRID SAMP SMP2 PROJ TYPE

Coordinate fields:

Other data fields:
AG AS AU1 CU MO PB ZN

Missing data indicated by NULL value 99999.0

BASIC STATISTICS OF SELECTED DATA FIELDS:

NAME	NDATA	NULLS	MINIMUM	MAXIMUM	MEAN	STD. DEV.	GEOM. MEAI
AG	1338	1	0.100000	6.00000	0.565020	0.623083	0.352500
AS	1338	1	1.00000	1750.00	49.2833	90.1621	24.3025
AU1	1337	2	2.50000	2165.00	49.9929	118.943	15.6063
CU	1338	1	5.00000	3900.00	94.0508	196.893	54.1348
MO	1338	1	0.500000	200.000	5.61734	12.6521	2.66884
PB	1338	1	1.00000	2610.00	47.2982	120.921	26.3374
ZN	1338	1	21.0000	1420.00	130.465	142.618	104.035

CORMAT: RUN ON 89:10:26 AT 15:09:21

Data from file: /placer1_1e/expl/ballck/gchm/soils.assy

V243 BALL CREEK

Correlation matrix for 1325 records with 7 variables

	AG	AS	AU1	CU	MO	PB	ZN
LOG:	1	1	1	1	1	1	1
AG	1.000	0.559	0.533	0.392	0.496	0.679	0.386
AS	0.559	1.000	0.418	0.214	0.265	0.581	0.356
AU1	0.533	0.418	1.000	0.592	0.576	0.577	0.237
CU	0.392	0.214	0.592	1.000	0.660	0.484	0.227
MO	0.496	0.265	0.576	0.660	1.000	0.452	0.132
PB	0.679	0.581	0.577	0.484	0.452	1.000	0.614
ZN	0.386	0.356	0.237	0.227	0.132	0.614	1.000

Number of data pairs contributing to correlation

	AG	AS	AU1	CU	MO	PB	ZN
AG	1324	1324	1324	1324	1324	1324	1324
AS	1324	1324	1324	1324	1324	1324	1324
AU1	1324	1324	1324	1324	1324	1324	1324
CU	1324	1324	1324	1324	1324	1324	1324
MO	1324	1324	1324	1324	1324	1324	1324
PB	1324	1324	1324	1324	1324	1324	1324
ZN	1324	1324	1324	1324	1324	1324	1324

CORMAT: RUN ON 89:10:26 AT 15:09:21

Data from file: /placer1_1e/expl/ballck/gchm/soils.assy

V243 BALL CREEK

Correlation matrix for 1325 records with 7 variables

	AG	AS	AU1	CU	MO	PB	ZN
LOG:	0	0	0	0	0	0	0
AG	1.000	0.348	0.287	0.139	0.182	0.450	0.351
AS	0.348	1.000	0.331	-0.030	-0.011	0.216	0.113
AU1	0.287	0.331	1.000	0.312	0.271	0.166	0.098
CU	0.139	-0.030	0.312	1.000	0.664	0.054	0.060
MO	0.182	-0.011	0.271	0.664	1.000	0.033	0.022
PB	0.450	0.216	0.166	0.054	0.033	1.000	0.406
ZN	0.351	0.113	0.098	0.060	0.022	0.406	1.000

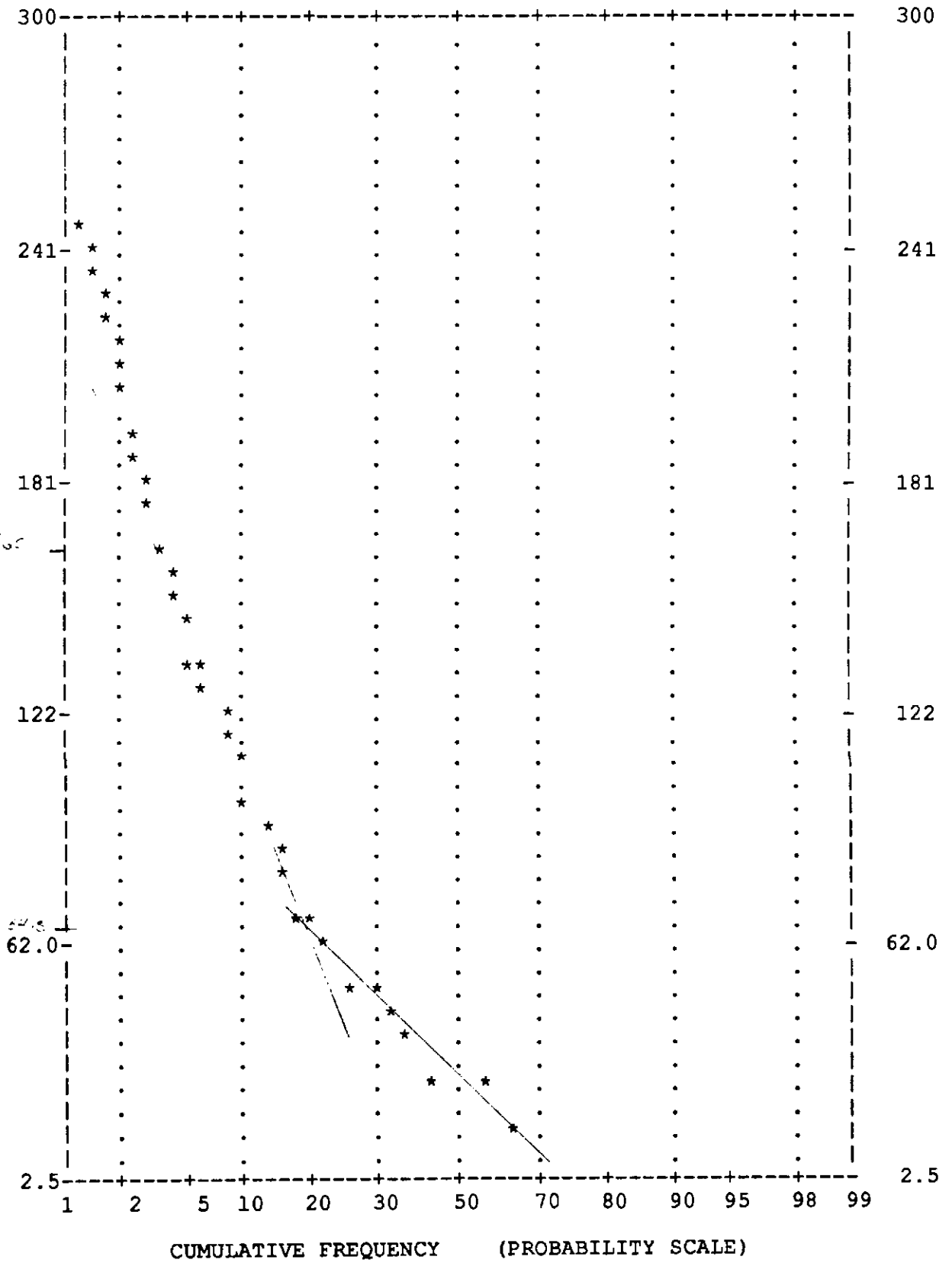
Number of data pairs contributing to correlation

	AG	AS	AU1	CU	MO	PB	ZN
AG	1324	1324	1324	1324	1324	1324	1324
AS	1324	1324	1324	1324	1324	1324	1324
AU1	1324	1324	1324	1324	1324	1324	1324
CU	1324	1324	1324	1324	1324	1324	1324
MO	1324	1324	1324	1324	1324	1324	1324
PB	1324	1324	1324	1324	1324	1324	1324
ZN	1324	1324	1324	1324	1324	1324	1324

PRBPLT: V243 BALL CREEK

file: soils.assy Field name: AU1 LOG =0 REPVAL = 0.0010(

MIN = 2.5000 MAX = 2165.0 MEAN = 49.993 STD DEV = 118.94
NUMBER OF DATA PLOTTED = 1307 (2 NULLS 0 < YMIN 30 > YMAX)



HISTO: V243 BALL CREEK R

File: soils.assy Field name: AU1 LOG = 1 REPVAL = 0.0010

1337 SAMPLES WITH AU1 MINIMUM: 2.50000 MAXIMUM: 2165.00

1325 VALUES PLOTTED: 12 NOT IN RANGE 2.50000 to 500.000

GEOMETRIC MEAN: 15.0361 DISPERSION: 3.32138 68.0691

SCALE OF HISTOGRAM IS 20.00 COUNTS /PRINT POSITION # = 5,50,95%

N	MIDPOINT	PERCENT	0 200 400 600 800
			I---------I---------I---------I---------I
451	2.5000	# 34.04	I********** I
0	2.8541	0.00	I I
0	3.2583	0.00	I I
0	3.7198	0.00	I I
0	4.2466	0.00	I I
33	4.8481	2.49	I** I
0	5.5347	0.00	I I
0	6.3186	0.00	I I
0	7.2135	0.00	I I
0	8.2352	0.00	I I
80	9.4015	6.04	I**** I
1	10.733	0.08	I I
1	12.253	0.08	I I
0	13.989	0.00	I I
75	15.970	5.66	I**** I
0	18.232	0.00	I I
78	20.814	# 5.89	I**** I
62	23.762	4.68	I*** I
0	27.127	0.00	I I
57	30.969	4.30	I*** I
38	35.355	2.87	I** I
69	40.363	5.21	I*** I
41	46.079	3.09	I** I
55	52.606	4.15	I*** I
33	60.056	2.49	I** I
25	68.562	1.89	I* I
53	78.273	4.00	I*** I
22	89.358	1.66	I* I
17	102.01	1.28	I* I
30	116.46	2.26	I** I
20	132.96	1.51	I* I
17	151.79	1.28	I* I
12	173.29	# 0.91	I* I
11	197.83	0.83	I* I
14	225.85	1.06	I* I
10	257.83	0.75	I* I
2	294.35	0.15	I I
6	336.04	0.45	I I
4	383.64	0.30	I I
5	437.97	0.38	I I
3	500.00	0.23	I I
-----			I---------I---------I---------I---------I
1325			0 200 400 600 800

HISTO: V243 BALL CREEK R

File: soils.assy Field name: AU1 LOG = 0 REPVAL = 0.0010

1337 SAMPLES WITH AU1 MINIMUM: 2.50000 MAXIMUM: 2165.00

1253 VALUES PLOTTED: 84 NOT IN RANGE 2.50000 to 150.000

MEAN: 28.7753 STD. DEV.: 33.2702 Median 15.0000

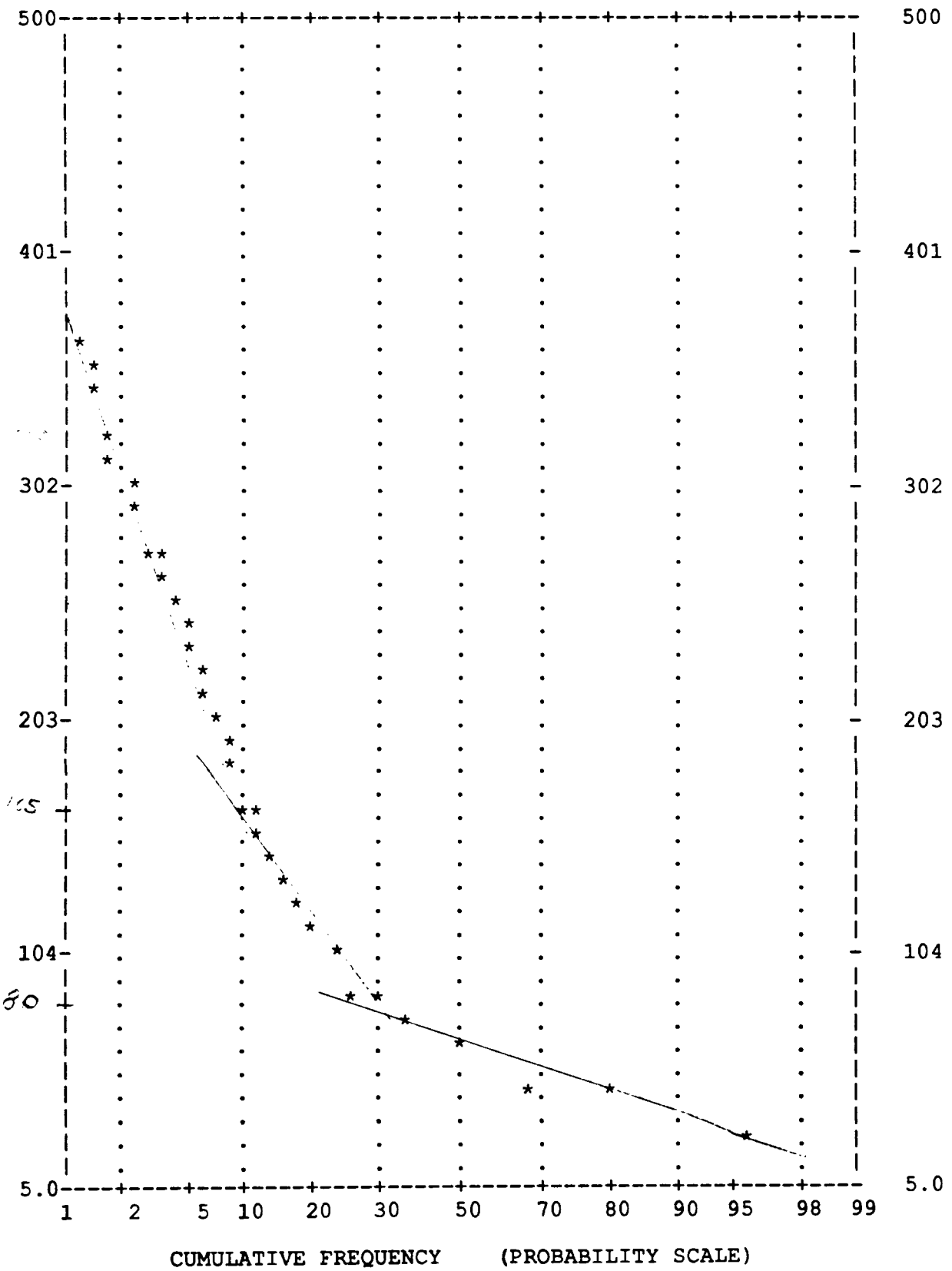
SCALE OF HISTOGRAM IS 20.00 COUNTS /PRINT POSITION # = 5,50,95%

N	MIDPOINT	PERCENT	0 200 400 600 800
			I---------I---------I---------I---------I
451	2.5000	# 35.99	I********** I
33	6.1875	2.63	I** I
81	9.8750	6.46	I**** I
76	13.563	# 6.07	I**** I
0	17.250	0.00	I I
78	20.938	6.23	I**** I
62	24.625	4.95	I*** I
57	28.313	4.55	I*** I
0	32.000	0.00	I I
38	35.688	3.03	I** I
69	39.375	5.51	I*** I
0	43.063	0.00	I I
41	46.750	3.27	I** I
36	50.438	2.87	I** I
19	54.125	1.52	I* I
0	57.813	0.00	I I
33	61.500	2.63	I** I
16	65.188	1.28	I* I
9	68.875	0.72	I I
0	72.563	0.00	I I
28	76.250	2.23	I* I
25	79.938	2.00	I* I
5	83.625	0.40	I I
0	87.313	0.00	I I
12	91.000	0.96	I* I
5	94.688	0.40	I I
13	98.375	1.04	I* I
0	102.06	0.00	I I
4	105.75	# 0.32	I I
18	109.44	1.44	I* I
0	113.13	0.00	I I
6	116.81	0.48	I I
6	120.50	0.48	I I
12	124.19	0.96	I* I
0	127.88	0.00	I I
1	131.56	0.08	I I
5	135.25	0.40	I I
2	138.94	0.16	I I
0	142.63	0.00	I I
2	146.31	0.16	I I
10	150.00	0.80	I* I
-----			I---------I---------I---------I---------I
1253			0 200 400 600 800

PRBPLT: V243 BALL CREEK

file: soils.assy Field name: CU LOG =0 REPVAL = 0.0010(

MIN = 5.0000 MAX = 3900.0 MEAN = 94.051 STD DEV = 196.89
NUMBER OF DATA PLOTTED = 1306 (1 NULLS 0 < YMIN 32 > YMAX)



HISTO: V243 BALL CREEK RI

File: soils.assy Field name: CU LOG = 0 REPVAL = 0.0010(

1338 SAMPLES WITH CU MINIMUM: 5.00000 MAXIMUM: 3900.00

1217 VALUES PLOTTED: 121 NOT IN RANGE 5.00000 to 200.000

MEAN: 55.7658 STD. DEV.: 39.4653 Median 43.0000

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
4	5.0000	0.33	I* I
29	9.8750	2.38	I******* I
74	14.750	# 6.08	I****************** I
81	19.625	6.66	I******************** I
74	24.500	6.08	I****************** I
89	29.375	7.31	I********************** I
120	34.250	9.86	I****************************** I
89	39.125	7.31	I********************** I
93	44.000	# 7.64	I*********************** I
80	48.875	6.57	I******************** I
68	53.750	5.59	I***************** I
50	58.625	4.11	I************ I
36	63.500	2.96	I********* I
39	68.375	3.20	I********** I
24	73.250	1.97	I****** I
29	78.125	2.38	I******* I
24	83.000	1.97	I****** I
21	87.875	1.73	I***** I
13	92.750	1.07	I*** I
23	97.625	1.89	I****** I
14	102.50	1.15	I**** I
12	107.38	0.99	I*** I
13	112.25	1.07	I*** I
9	117.13	0.74	I** I
12	122.00	0.99	I*** I
8	126.88	0.66	I** I
14	131.75	1.15	I**** I
5	136.63	0.41	I* I
5	141.50	0.41	I* I
11	146.38	# 0.90	I*** I
6	151.25	0.49	I** I
5	156.13	0.41	I* I
6	161.00	0.49	I** I
5	165.88	0.41	I* I
5	170.75	0.41	I* I
5	175.63	0.41	I* I
1	180.50	0.08	I I
6	185.38	0.49	I** I
8	190.25	0.66	I** I
4	195.13	0.33	I* I
3	200.00	0.25	I* I
-----			I---------I---------I---------I---------I
1217			0 40 80 120 160

HISTO: V243 BALL CREEK R

File: soils.assy Field name: CU LOG = 1 REPVAL = 0.0010

1338 SAMPLES WITH CU MINIMUM: 5.00000 MAXIMUM: 3900.00

1328 VALUES PLOTTED: 10 NOT IN RANGE 5.00000 to 1000.00

GEOMETRIC MEAN: 52.7615 DISPERSION: 22.4342 124.086

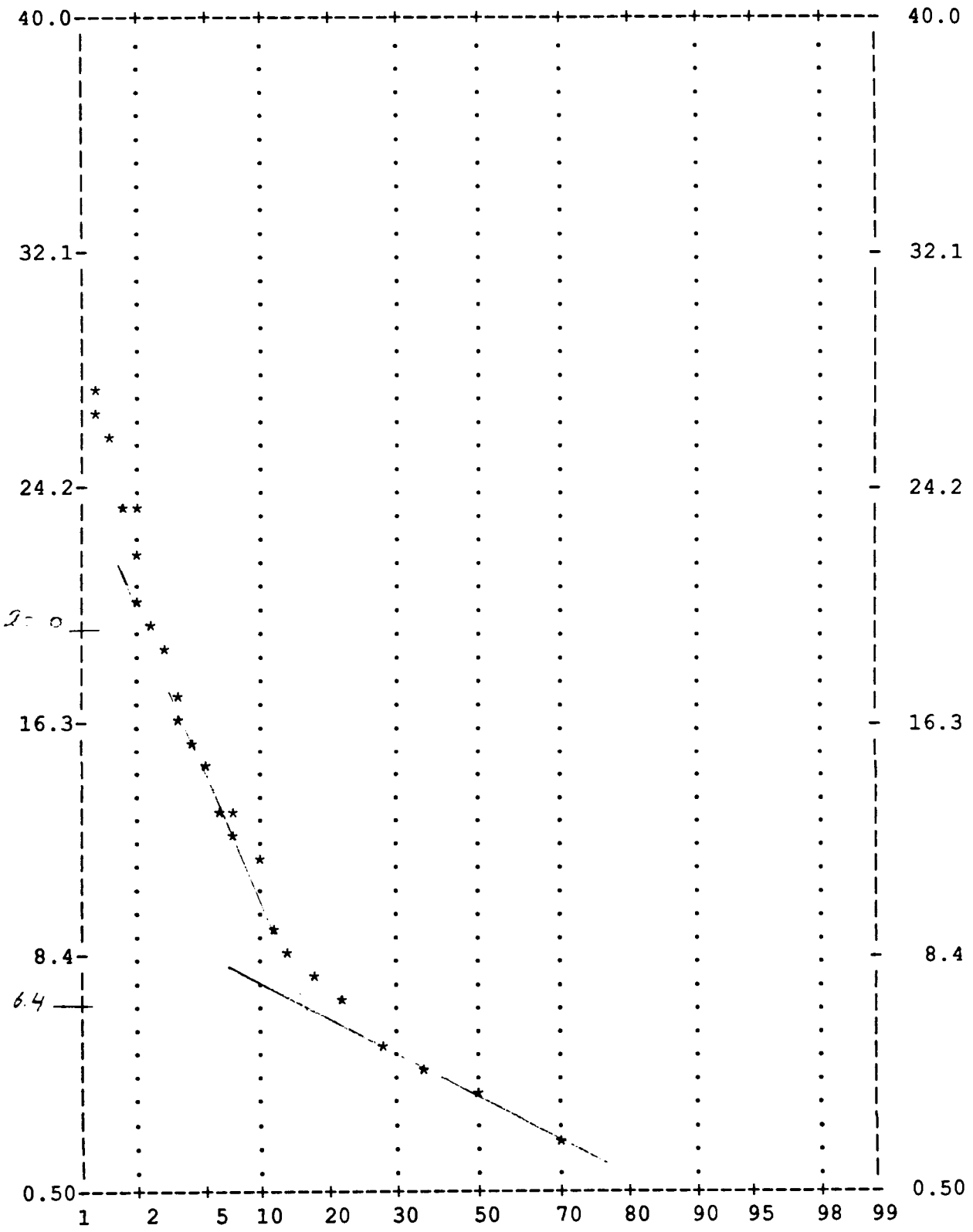
SCALE OF HISTOGRAM IS 4.00 COUNTS /PRINT POSITION # = 5,50,95%

N	MIDPOINT	PERCENT	0 40 80 120 160
			I---------I---------I---------I---------I
3	5.0000	0.23	I* I
0	5.7082	0.00	I I
0	6.5166	0.00	I I
1	7.4396	0.08	I I
4	8.4932	0.30	I* I
5	9.6961	0.38	I* I
10	11.069	0.75	I*** I
20	12.637	1.51	I***** I
33	14.427 #	2.48	I******** I
31	16.470	2.33	I******** I
47	18.803	3.54	I************ I
34	21.466	2.56	I********* I
74	24.506	5.57	I******************* I
44	27.977	3.31	I*********** I
119	31.940	8.96	I******************************** I
80	36.463	6.02	I******************** I
121	41.628	9.11	I******************************** I
89	47.523 #	6.70	I********************** I
94	54.254	7.08	I************************ I
86	61.938	6.48	I********************** I
55	70.711	4.14	I************** I
56	80.726	4.22	I************** I
42	92.159	3.16	I*********** I
47	105.21	3.54	I************ I
33	120.11	2.48	I******** I
30	137.12	2.26	I******** I
25	156.55	1.88	I****** I
27	178.72	2.03	I******* I
18	204.03	1.36	I***** I
25	232.93	1.88	I****** I
18	265.91 #	1.36	I***** I
12	303.58	0.90	I*** I
12	346.57	0.90	I*** I
5	395.66	0.38	I* I
5	451.70	0.38	I* I
8	515.67	0.60	I** I
4	588.70	0.30	I* I
3	672.08	0.23	I* I
6	767.27	0.45	I** I
0	875.94	0.00	I I
2	1000.0	0.15	I* I
-----			I---------I---------I---------I---------I
1328			0 40 80 120 160

PRBPLT: V243 BALL CREEK

file: soils.assy Field name: MO LOG =0 REPVAL = 0.0010(

MIN = .50000 MAX = 200.00 MEAN = 5.6173 STD DEV = 12.652
NUMBER OF DATA PLOTTED = 1314 (1 NULLS 0 < YMIN 24 > YMAX)



HISTO: V243 BALL CREEK R

File: soils.assy Field name: MO LOG = 1 REPVAL = 0.0010

1338 SAMPLES WITH MO MINIMUM: 0.500000 MAXIMUM: 200.000

1314 VALUES PLOTTED: 24 NOT IN RANGE 0.500000 to 40.0000

GEOMETRIC MEAN: 2.51408 DISPERSION: 0.899615 7.02588

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
176	0.50000	# 13.39	I****************** I
0	0.55789	0.00	I I
0	0.62248	0.00	I I
0	0.69455	0.00	I I
0	0.77496	0.00	I I
0	0.86468	0.00	I I
234	0.96479	17.81	I************************ I
0	1.0765	0.00	I I
0	1.2011	0.00	I I
0	1.3402	0.00	I I
0	1.4953	0.00	I I
0	1.6685	0.00	I I
0	1.8616	0.00	I I
243	2.0772	18.49	I************************* I
0	2.3177	0.00	I I
0	2.5860	0.00	I I
157	2.8854	# 11.95	I**************** I
0	3.2195	0.00	I I
0	3.5922	0.00	I I
120	4.0081	9.13	I************ I
0	4.4721	0.00	I I
90	4.9899	6.85	I********* I
0	5.5676	0.00	I I
65	6.2122	4.95	I******* I
36	6.9314	2.74	I**** I
38	7.7339	2.89	I**** I
22	8.6294	1.67	I** I
20	9.6284	1.52	I** I
9	10.743	0.68	I* I
11	11.987	0.84	I* I
27	13.375	2.05	I*** I
11	14.923	# 0.84	I* I
8	16.651	0.61	I* I
11	18.579	0.84	I* I
6	20.730	0.46	I* I
8	23.130	0.61	I* I
8	25.808	0.61	I* I
6	28.796	0.46	I* I
0	32.130	0.00	I I
5	35.849	0.38	I* I
3	40.000	0.23	I I
-----			I---------I---------I---------I---------I
1314			0 100 200 300 400

HISTO: V243 BALL CREEK RI

File: soils.assy Field name: MO LOG = 0 REPVAL = 0.0010(

1338 SAMPLES WITH MO MINIMUM: 0.500000 MAXIMUM: 200.000

1259 VALUES PLOTTED: 79 NOT IN RANGE 0.500000 to 15.0000

MEAN: 3.42415 STD. DEV.: 3.13926 Median 2.00000

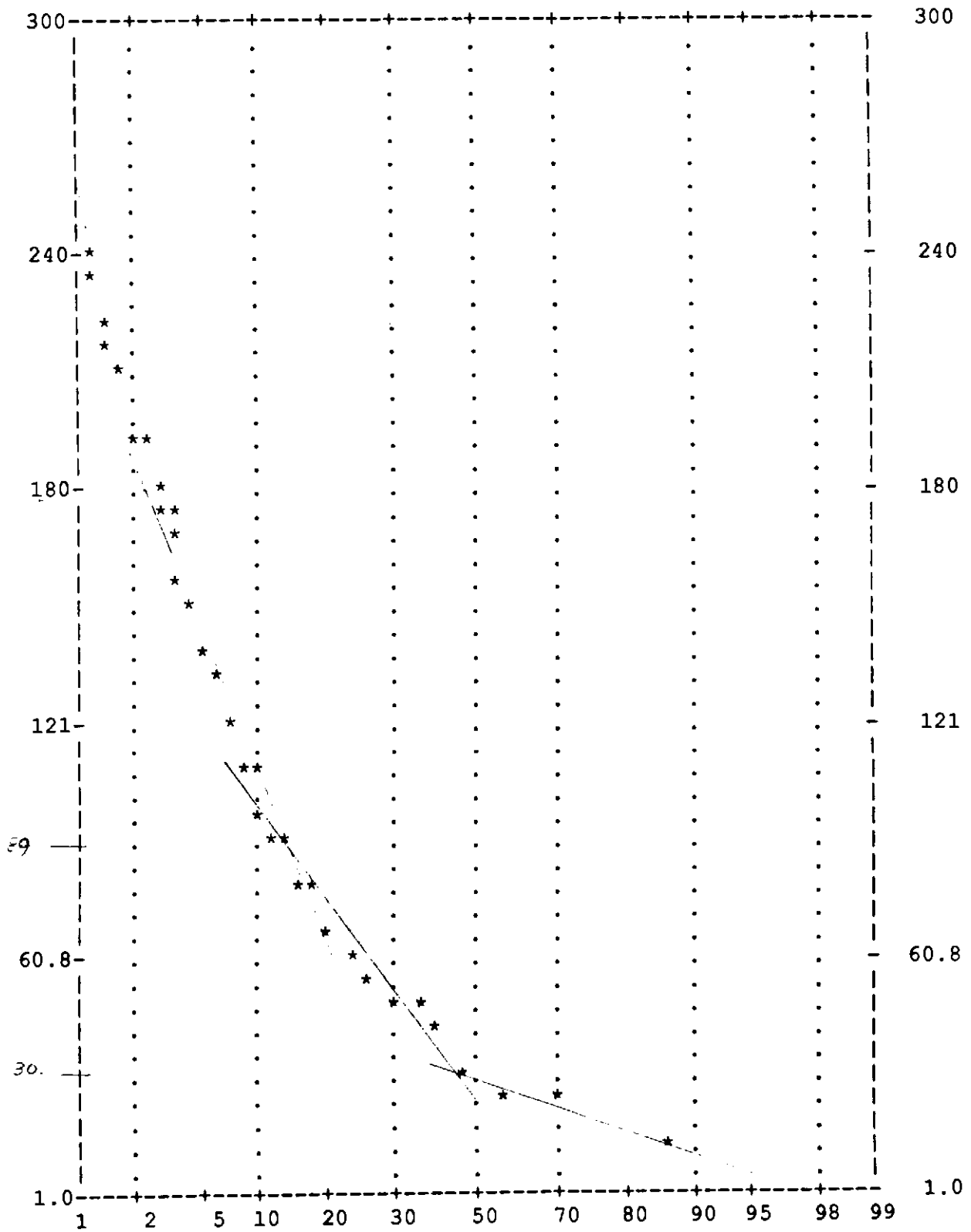
SCALE OF HISTOGRAM IS 10.00 COUNTS /PRINT POSITION # = 5,50,95%

N	MIDPOINT	PERCENT	0 100 200 300 400
			I---------I---------I---------I---------I
176	0.50000	# 13.98	I****************** I
234	0.86250	18.59	I************************ I
0	1.2250	0.00	I I
0	1.5875	0.00	I I
243	1.9500	# 19.30	I************************* I
0	2.3125	0.00	I I
0	2.6750	0.00	I I
157	3.0375	12.47	I**************** I
0	3.4000	0.00	I I
0	3.7625	0.00	I I
120	4.1250	9.53	I************ I
0	4.4875	0.00	I I
90	4.8500	7.15	I********* I
0	5.2125	0.00	I I
0	5.5750	0.00	I I
65	5.9375	5.16	I******* I
0	6.3000	0.00	I I
0	6.6625	0.00	I I
36	7.0250	2.86	I**** I
0	7.3875	0.00	I I
0	7.7500	0.00	I I
38	8.1125	3.02	I**** I
0	8.4750	0.00	I I
22	8.8375	1.75	I** I
0	9.2000	0.00	I I
0	9.5625	0.00	I I
20	9.9250	# 1.59	I** I
0	10.288	0.00	I I
0	10.650	0.00	I I
9	11.013	0.71	I* I
0	11.375	0.00	I I
0	11.738	0.00	I I
11	12.100	0.87	I* I
0	12.463	0.00	I I
16	12.825	1.27	I** I
0	13.188	0.00	I I
0	13.550	0.00	I I
11	13.913	0.87	I* I
0	14.275	0.00	I I
0	14.638	0.00	I I
11	15.000	0.87	I* I
-----			I---------I---------I---------I---------I
1259			0 100 200 300 400

PRBPLT: V243 BALL CREEK 1

file: soils.assy Field name: AS LOG =0 REPVAL = 0.0010(

MIN = 1.0000 MAX = 1750.0 MEAN = 49.283 STD DEV = 90.162
NUMBER OF DATA PLOTTED = 1319 (1 NULLS 0 < YMIN 19 > YMAX)



HISTO: V243 BALL CREEK R

File: soils.assy Field name: AS LOG = 1 REPVAL = 0.0010

1338 SAMPLES WITH AS MINIMUM: 1.00000 MAXIMUM: 1750.00

1331 VALUES PLOTTED: 7 NOT IN RANGE 1.00000 to 500.000

GEOMETRIC MEAN: 23.8566 DISPERSION: 7.40554 76.8532

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
29	1.0000	2.18	I******* I
0	1.1681	0.00	I I
0	1.3644	0.00	I I
0	1.5938	0.00	I I
13	1.8616	0.98	I*** I
0	2.1746	0.00	I I
0	2.5401	0.00	I I
17	2.9670	1.28	I**** I
0	3.4657	0.00	I I
26	4.0483	# 1.95	I******* I
32	4.7287	2.40	I******** I
0	5.5235	0.00	I I
35	6.4520	2.63	I********* I
91	7.5364	6.84	I************************ I
40	8.8032	3.01	I********** I
94	10.283	7.06	I************************* I
35	12.011	2.63	I********* I
76	14.030	5.71	I******************* I
49	16.388	3.68	I************ I
63	19.143	4.73	I***************** I
70	22.361	# 5.26	I******************* I
57	26.119	4.28	I************** I
54	30.509	4.06	I************** I
62	35.638	4.66	I***************** I
66	41.628	4.96	I****************** I
65	48.625	4.88	I***************** I
76	56.798	5.71	I******************* I
51	66.344	3.83	I************* I
44	77.496	3.31	I*********** I
39	90.522	2.93	I********** I
31	105.74	2.33	I******** I
29	123.51	2.18	I******* I
22	144.27	# 1.65	I****** I
15	168.52	1.13	I**** I
17	196.85	1.28	I**** I
9	229.93	0.68	I** I
11	268.58	0.83	I*** I
2	313.72	0.15	I* I
4	366.46	0.30	I* I
3	428.05	0.23	I* I
4	500.00	0.30	I* I
			I---------I---------I---------I---------I
1331			0 40 80 120 160

HISTO: V243 BALL CREEK R

File: soils.assy Field name: AS LOG = 0 REPVAL = 0.0010

1338 SAMPLES WITH AS MINIMUM: 1.00000 MAXIMUM: 1750.00

1296 VALUES PLOTTED: 42 NOT IN RANGE 1.00000 to 200.000

MEAN: 37.7600 STD. DEV.: 39.1349 Median 23.0000

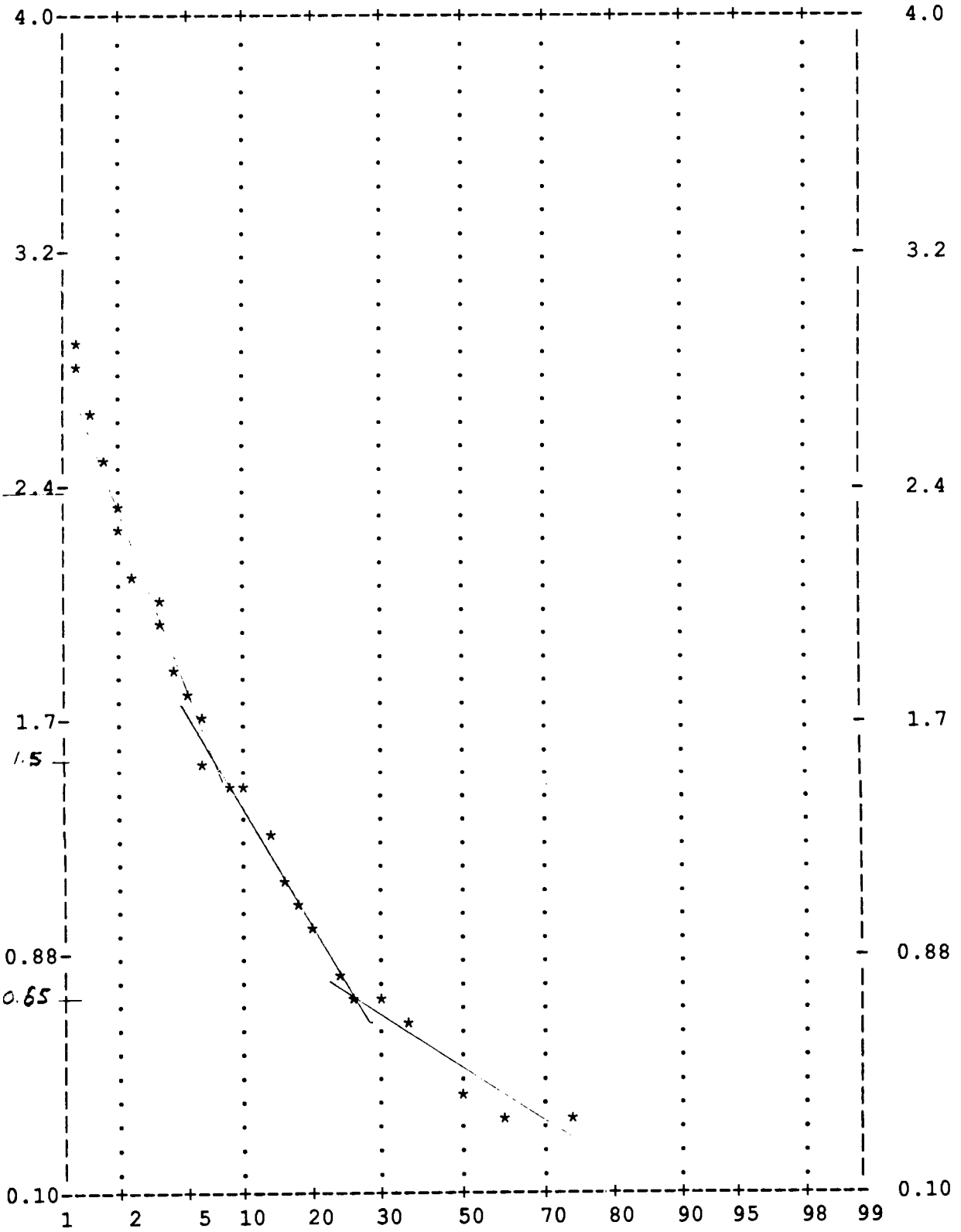
SCALE OF HISTOGRAM IS 10.00 COUNTS /PRINT POSITION # = 5,50,95%

N	MIDPOINT	PERCENT	0 100 200 300 400
			I---------I---------I---------I---------I
59	1.0000	4.55	I****** I
184	5.9750	# 14.20	I****************** I
201	10.950	15.51	I******************** I
111	15.925	8.56	I********** I
104	20.900	# 8.02	I********** I
68	25.875	5.25	I******* I
62	30.850	4.78	I****** I
54	35.825	4.17	I***** I
54	40.800	4.17	I***** I
44	45.775	3.40	I**** I
42	50.750	3.24	I**** I
43	55.725	3.32	I**** I
37	60.700	2.85	I**** I
23	65.675	1.77	I** I
23	70.650	1.77	I** I
22	75.625	1.70	I** I
14	80.600	1.08	I* I
13	85.575	1.00	I* I
15	90.550	1.16	I** I
14	95.525	1.08	I* I
12	100.50	0.93	I* I
12	105.47	0.93	I* I
4	110.45	0.31	I I
2	115.42	0.15	I I
10	120.40	0.77	I* I
7	125.38	# 0.54	I* I
7	130.35	0.54	I* I
8	135.32	0.62	I* I
7	140.30	0.54	I* I
3	145.27	0.23	I I
3	150.25	0.23	I I
4	155.22	0.31	I I
1	160.20	0.08	I I
2	165.18	0.15	I I
5	170.15	0.39	I* I
3	175.13	0.23	I I
4	180.10	0.31	I I
6	185.07	0.46	I* I
5	190.05	0.39	I* I
0	195.02	0.00	I I
4	200.00	0.31	I I
-----			I---------I---------I---------I---------I
1296			0 100 200 300 400

PRBPLT: V243 BALL CREEK

file: soils.assy Field name: AG LOG =0 REPVAL = 0.0010(

MIN = .10000 MAX = 6.0000 MEAN = .55688 STD DEV = .58694
NUMBER OF DATA PLOTTED = 1336 (1 NULLS 0 < YMIN 2 > YMAX)



HISTO: V243 BALL CREEK RU

File: soils.assy Field name: AG LOG = 1 REPVAL = 0.0010(

1338 SAMPLES WITH AG MINIMUM: 0.100000 MAXIMUM: 6.00000

1336 VALUES PLOTTED: 2 NOT IN RANGE 0.100000 to 4.00000

GEOMETRIC MEAN: 0.351007 DISPERSION: 0.133822 0.920673

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
333	0.10000	# 24.93	I**********
0	0.10966	0.00	I
0	0.12025	0.00	I
0	0.13187	0.00	I
0	0.14461	0.00	I
0	0.15858	0.00	I
0	0.17390	0.00	I
0	0.19070	0.00	I
190	0.20913	14.22	I**********
0	0.22933	0.00	I
0	0.25149	0.00	I
0	0.27578	0.00	I
136	0.30243	10.18	I*******
0	0.33164	0.00	I
0	0.36368	0.00	I
140	0.39882	# 10.48	I*******
0	0.43734	0.00	I
81	0.47960	6.06	I****
0	0.52593	0.00	I
74	0.57674	5.54	I****
0	0.63246	0.00	I
59	0.69356	4.42	I***
0	0.76056	0.00	I
51	0.83404	3.82	I***
25	0.91461	1.87	I**
36	1.0030	2.69	I**
33	1.0999	2.47	I**
37	1.2061	2.77	I**
20	1.3226	1.50	I*
33	1.4504	2.47	I**
11	1.5905	0.82	I*
21	1.7442	# 1.57	I*
14	1.9127	1.05	I*
6	2.0975	0.45	I*
10	2.3001	0.75	I*
6	2.5223	0.45	I*
3	2.7660	0.22	I
8	3.0332	0.60	I*
5	3.3263	0.37	I*
3	3.6476	0.22	I
1	4.0000	0.08	I
			I---------I---------I---------I---------I
1336			0 100 200 300 400

HISTO: V243 BALL CREEK R(

File: soils.assy Field name: AG LOG = 0 REPVAL = 0.0010(

1338 SAMPLES WITH AG MINIMUM: 0.100000 MAXIMUM: 6.00000

1336 VALUES PLOTTED: 2 NOT IN RANGE 0.100000 to 4.00000

MEAN: 0.556884 STD. DEV.: 0.586937 Median 0.400000

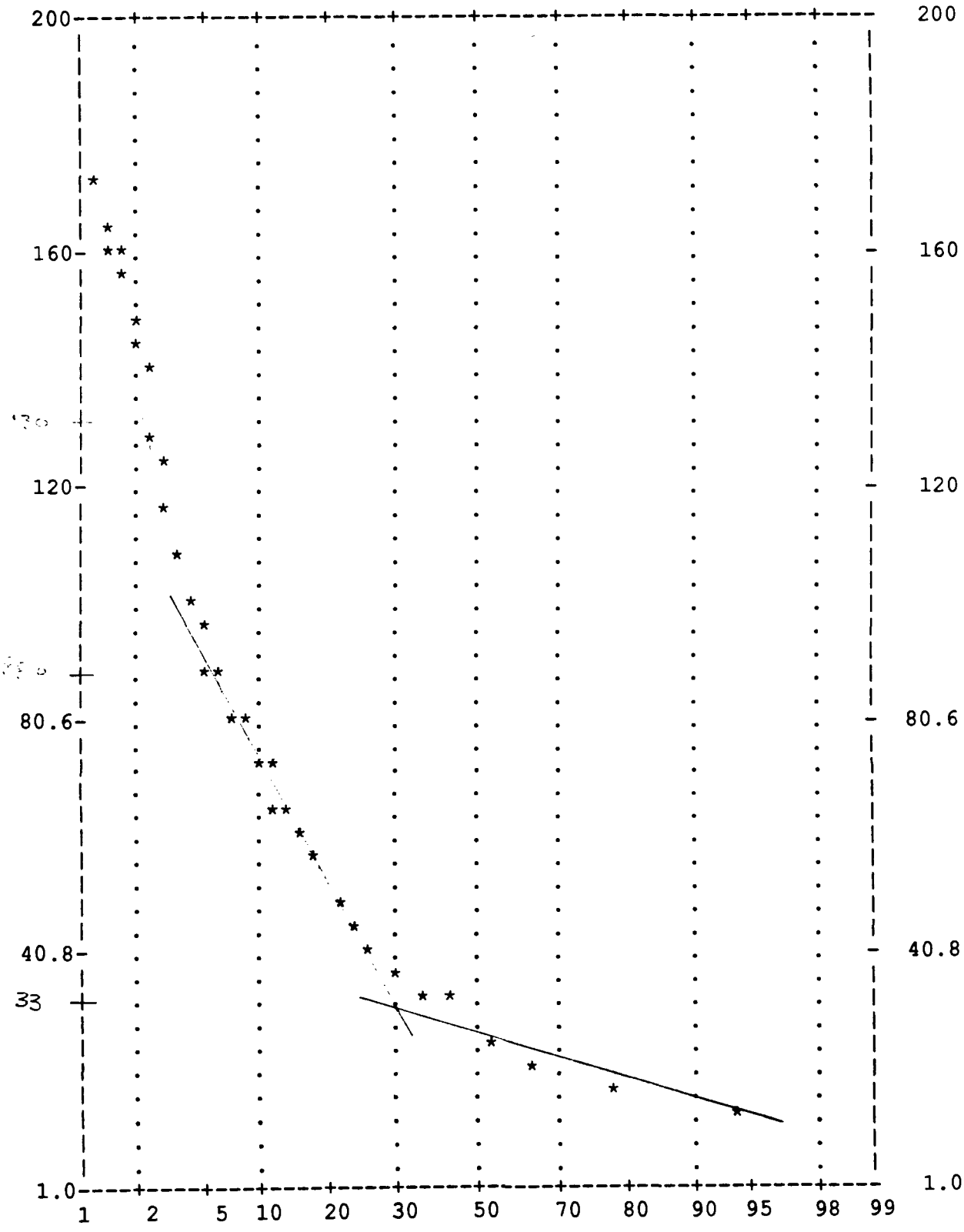
SCALE OF HISTOGRAM IS 10.00 COUNTS /PRINT POSITION # = 5,50,95%

N	MIDPOINT	PERCENT	0 100 200 300 400
			I---------I---------I---------I---------I
333	0.10000	# 24.93	I********************************** I
190	0.19750	14.22	I******************* I
136	0.29500	10.18	I************** I
140	0.39250	# 10.48	I************** I
81	0.49000	6.06	I******** I
74	0.58750	5.54	I******* I
59	0.68500	4.42	I******← I
51	0.78250	3.82	I***** I
25	0.88000	1.87	I*** I
36	0.97750	2.69	I**** I
33	1.0750	2.47	I*** I
37	1.1725	2.77	I****← I
20	1.2700	1.50	I** I
22	1.3675	1.65	I** I
11	1.4650	0.82	I* I
11	1.5625	0.82	I* I
9	1.6600	0.67	I* I
12	1.7575	# 0.90	I* I
3	1.8550	0.22	I I
11	1.9525	0.82	I* I
0	2.0500	0.00	I I
6	2.1475	0.45	I* I
5	2.2450	0.37	I* I
2	2.3425	0.15	I I
3	2.4400	0.22	I← I
3	2.5375	0.22	I I
3	2.6350	0.22	I I
2	2.7325	0.15	I I
1	2.8300	0.08	I I
2	2.9275	0.15	I I
2	3.0250	0.15	I I
4	3.1225	0.30	I I
1	3.2200	0.08	I I
4	3.3175	0.30	I I
0	3.4150	0.00	I I
1	3.5125	0.08	I I
2	3.6100	0.15	I I
0	3.7075	0.00	I I
0	3.8050	0.00	I I
0	3.9025	0.00	I I
1	4.0000	0.08	I I
-----			I---------I---------I---------I---------I
1336			0 100 200 300 400

PRBPLT: V243 BALL CREEK

file: soils.assy Field name: PB LOG =0 REPVAL = 0.0010(

MIN = 1.0000 MAX = 2610.0 MEAN = 47.298 STD DEV = 120.92
NUMBER OF DATA PLOTTED = 1298 (1 NULLS 0 < YMIN 40 > YMAX)



HISTO: V243 BALL CREEK R

File: soils.assy Field name: PB LOG = 0 REPVAL = 0.0010

1338 SAMPLES WITH PB MINIMUM: 1.00000 MAXIMUM: 2610.00

1248 VALUES PLOTTED: 90 NOT IN RANGE 1.00000 to 110.000

MEAN: 28.5585 STD. DEV.: 20.9899 Median 21.0000

SCALE OF HISTOGRAM IS 5.00 COUNTS /PRINT POSITION # = 5,50,95%

N	MIDPOINT	PERCENT	0 50 100 150 200
			I---------I---------I---------I---------I
1	1.0000	0.08	I I
8	3.7250	0.64	I** I
39	6.4500	3.13	I******** I
104	9.1750	# 8.33	I********************** I
163	11.900	13.06	I********************************** I
101	14.625	8.09	I********************** I
121	17.350	9.70	I************************* I
89	20.075	# 7.13	I****************** I
88	22.800	7.05	I****************** I
46	25.525	3.69	I********* I
59	28.250	4.73	I************ I
56	30.975	4.49	I*********** I
49	33.700	3.93	I********** I
21	36.425	1.68	I**** I
33	39.150	2.64	I******* I
30	41.875	2.40	I****** I
18	44.600	1.44	I**** I
27	47.325	2.16	I***** I
22	50.050	1.76	I**** I
16	52.775	1.28	I*** I
15	55.500	1.20	I*** I
14	58.225	1.12	I*** I
13	60.950	1.04	I*** I
8	63.675	0.64	I** I
8	66.400	0.64	I** I
16	69.125	1.28	I*** I
14	71.850	1.12	I*** I
10	74.575	# 0.80	I** I
10	77.300	0.80	I** I
5	80.025	0.40	I* I
11	82.750	0.88	I** I
5	85.475	0.40	I* I
0	88.200	0.00	I I
3	90.925	0.24	I* I
8	93.650	0.64	I** I
3	96.375	0.24	I* I
8	99.100	0.64	I** I
3	101.82	0.24	I* I
1	104.55	0.08	I I
2	107.27	0.16	I I
0	110.00	0.00	I I
-----			I---------I---------I---------I---------I
1248			0 50 100 150 200

HISTO: V243 BALL CREEK R

File: soils.assy Field name: PB LOG = 1 REPVAL = 0.0010

1338 SAMPLES WITH PB MINIMUM: 1.00000 MAXIMUM: 2610.00

1326 VALUES PLOTTED: 12 NOT IN RANGE 2.00000 to 500.000

GEOMETRIC MEAN: 25.6165 DISPERSION: 11.2029 58.5746

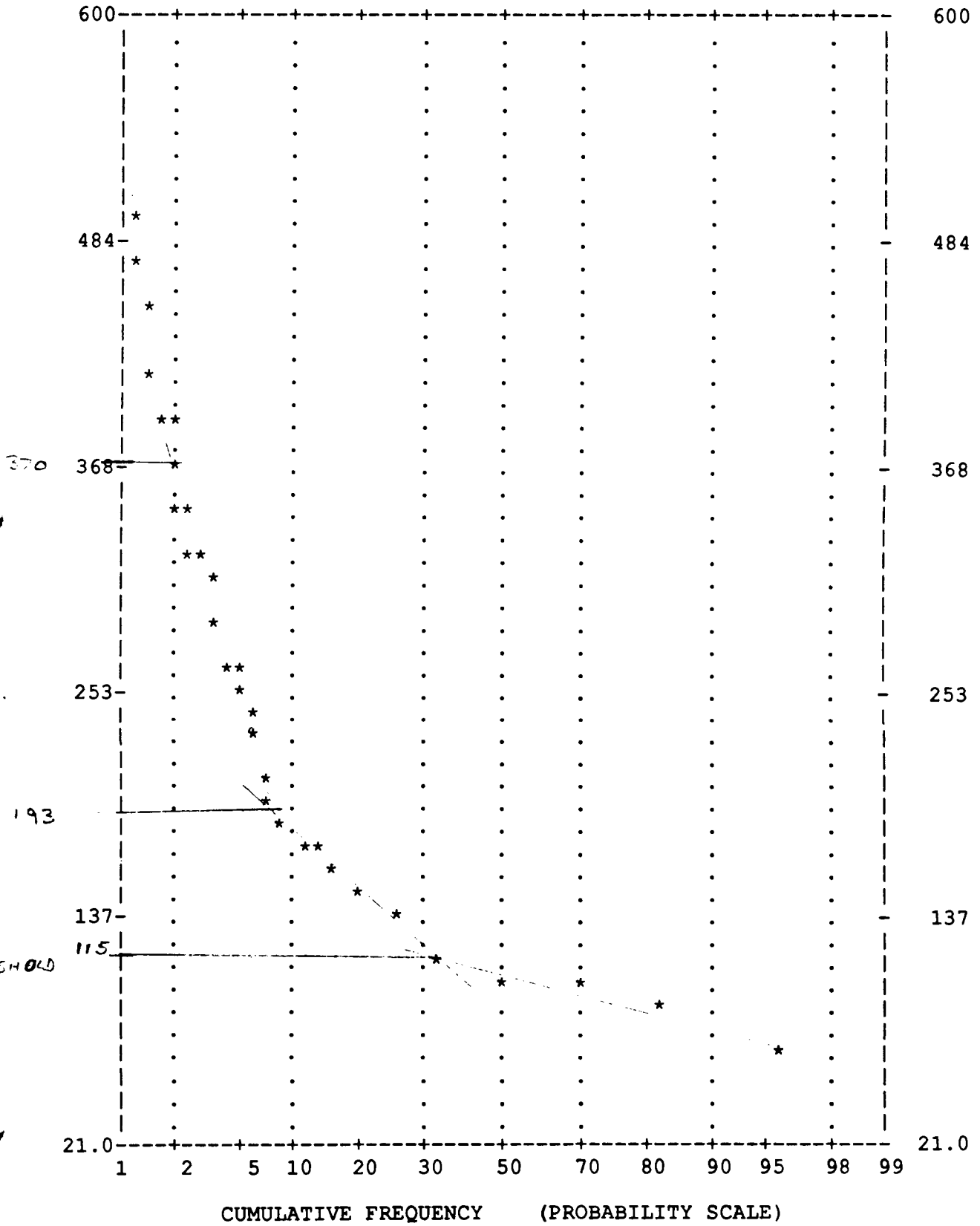
SCALE OF HISTOGRAM IS 4.00 COUNTS /PRINT POSITION # = 5,50,95%

N	MIDPOINT	PERCENT	0 40 80 120 160
			I---------I---------I---------I---------I
0	2.0000	0.00	I I
0	2.2960	0.00	I I
0	2.6359	0.00	I I
0	3.0260	0.00	I I
0	3.4740	0.00	I I
3	3.9882	0.23	I* I
0	4.5785	0.00	I I
5	5.2562	0.38	I* I
15	6.0342	1.13	I**** I
24	6.9273	1.81	I****** I
30	7.9527	# 2.26	I******** I
31	9.1298	2.34	I******** I
89	10.481	6.71	I********************** I
57	12.033	4.30	I************** I
113	13.814	8.52	I****************************** I
96	15.858	7.24	I************************ I
92	18.206	6.94	I********************** I
105	20.900	7.92	I**************************** I
75	23.994	# 5.66	I******************** I
83	27.546	6.26	I********************** I
73	31.623	5.51	I******************** I
69	36.304	5.20	I****************** I
54	41.677	4.07	I************** I
60	47.846	4.52	I**************** I
43	54.928	3.24	I*********** I
31	63.058	2.34	I******** I
47	72.392	3.54	I************ I
24	83.107	1.81	I****** I
23	95.409	1.73	I****** I
9	109.53	0.68	I** I
11	125.74	# 0.83	I*** I
11	144.36	0.83	I*** I
13	165.72	0.98	I*** I
11	190.25	0.83	I*** I
14	218.41	1.06	I**** I
5	250.74	0.38	I* I
2	287.86	0.15	I* I
7	330.46	0.53	I** I
1	379.38	0.08	I I
0	435.53	0.00	I I
0	500.00	0.00	I I
-----			I---------I---------I---------I---------I
1326			0 40 80 120 160

PRBPLT: V243 BALL CREEK

file: soils.assy Field name: ZN LOG =0 REPVAL = 0.0010(

MIN = 21.000 MAX = 1420.0 MEAN = 130.46 STD DEV = 142.62
NUMBER OF DATA PLOTTED = 1306 (1 NULLS 0 < YMIN 32 > YMAX)



HISTO: V243 BALL CREEK RU

File: soils.assy Field name: ZN LOG = 0 REPVAL = 0.0010(

1338 SAMPLES WITH ZN MINIMUM: 21.0000 MAXIMUM: 1420.00

1261 VALUES PLOTTED: 77 NOT IN RANGE 21.0000 to 300.000

MEAN: 100.742 STD. DEV.: 42.8846 Median 90.0000

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
1	21.000	0.08	I
1	27.975	0.08	I
4	34.950	0.32	I*
10	41.925	0.79	I***
24	48.900	1.90	I******
46	55.875	# 3.65	I************
98	62.850	7.77	I*************************
108	69.825	8.56	I****************************
150	76.800	11.90	I**************************************
133	83.775	10.55	I**********************************
149	90.750	# 11.82	I***************************************
97	97.725	7.69	I************************
89	104.70	7.06	I**********************
49	111.68	3.89	I************
57	118.65	4.52	I**************
41	125.63	3.25	I**********
33	132.60	2.62	I********
28	139.57	2.22	I*******
15	146.55	1.19	I****
15	153.52	1.19	I****
14	160.50	1.11	I****
15	167.48	1.19	I****
9	174.45	0.71	I**
9	181.43	0.71	I**
3	188.40	# 0.24	I*
8	195.38	0.63	I**
4	202.35	0.32	I*
3	209.32	0.24	I*
7	216.30	0.56	I**
5	223.27	0.40	I*
3	230.25	0.24	I*
4	237.22	0.32	I*
4	244.20	0.32	I*
5	251.18	0.40	I*
4	258.15	0.32	I*
3	265.13	0.24	I*
3	272.10	0.24	I*
1	279.08	0.08	I
2	286.05	0.16	I*
3	293.02	0.24	I*
4	300.00	0.32	I*
-----			I---------I---------I---------I---------I
1261			0 40 80 120 160

HISTO: V243 BALL CREEK R

File: soils.assy Field name: ZN LOG = 1 REPVAL = 0.0010

1338 SAMPLES WITH ZN MINIMUM: 21.0000 MAXIMUM: 1420.00

1338 VALUES PLOTTED: 0 NOT IN RANGE 21.0000 to 1420.00

GEOMETRIC MEAN: 104.035 DISPERSION: 59.6645 181.401

SCALE OF HISTOGRAM IS 5.00 COUNTS /PRINT POSITION # = 5,50,95%

N	MIDPOINT	PERCENT	0 50 100 150 200
			I---------I---------I---------I---------I
1	21.000	0.08	I I
0	23.333	0.00	I I
0	25.925	0.00	I I
1	28.805	0.08	I I
0	32.006	0.00	I I
2	35.561	0.15	I I
5	39.512	0.37	I* I
12	43.902	0.90	I** I
12	48.779	0.90	I** I
40	54.198	# 2.99	I******** I
73	60.219	5.46	I*************** I
91	66.910	6.80	I****************** I
158	74.343	11.81	I******************************** I
180	82.602	13.45	I************************************ I
183	91.779	# 13.68	I************************************ I
139	101.98	10.39	I***************************** I
90	113.30	6.73	I****************** I
88	125.89	6.58	I****************** I
52	139.88	3.89	I********** I
35	155.42	2.62	I******* I
30	172.68	2.24	I****** I
17	191.87	1.27	I*** I
15	213.19	1.12	I*** I
13	236.87	0.97	I*** I
15	263.18	1.12	I*** I
12	292.42	0.90	I** I
10	324.91	# 0.75	I** I
6	361.01	0.45	I* I
4	401.11	0.30	I* I
3	445.68	0.22	I* I
10	495.19	0.75	I** I
6	550.20	0.45	I* I
4	611.33	0.30	I* I
6	679.24	0.45	I* I
5	754.71	0.37	I* I
8	838.55	0.60	I** I
4	931.71	0.30	I* I
3	1035.2	0.22	I* I
2	1150.2	0.15	I I
2	1278.0	0.15	I I
1	1420.0	0.08	I I
-----			I---------I---------I---------I---------I
1338			0 50 100 150 200

APPENDIX NO 7

Soil Field Notes

SOIL

IDEN01

VENTURE NUMBER	VENTURE NAME	SAMPLED DAY	MONTH	YEAR	BY	ASSTD. BY
V243		11	007	89	TAH	[illegible]

COMPANY	PROPERTY
IPRJ: [illegible]ACER DOME INC	[illegible]OLI CREEK

Todd Hagerman
Adrienne Ross

AZIMUTH OF +VE EAST OF

SGRID

WEATHER	N. T. S.	SHEET No.	of
SUNNY		[illegible]	[illegible]

OR PROJECT AND SUB PROJECT

GRID 000 TRUE NORTH	UTM CO-ORDINATES OF GRID ORIGIN NORTHING	EASTING	ELEVATION

FLAG	SAMPLE I.D. OR LINE (4–8)	SAMPLE NO. OR STATION (11–15)	ELEVATION	NORTH CO-ORDINATE	EAST CO-ORDINATE	LOCAL TERRAIN (35–36)	SECONDARY ENVIRONMENT	FACTORS AFFECTING CONDITIONS
	2200W	22005				SS		
	2203W	22475				SS		
	[illegible]W	2230[illegible]				SS		
	2200W	21205				SS		
	2200W	21[illegible]05				SS		
	2230W	[illegible]2325		July 11, 1989 snow covered				
	[illegible]200W	22405						
✓	2200W	22825				SS		
	[illegible]W	2322[illegible]				SS		
	22[illegible]W	23605				SS		
	[illegible]W	24[illegible]				SS		
	22[illegible]W	244[illegible]5				SS		
	22[illegible]W	[illegible]				S		
✓	[illegible]W	25265				SS		
	[illegible]W	25605				SS		
	2270W	26[illegible]5				S		
	220[illegible]W	2[illegible]				S		
✓	[illegible]W	[illegible]				SS		
✓	22[illegible]W	2970[illegible]				SS		
✓	2[illegible]W	29[illegible]				SS		
	[illegible]W	[illegible]				[illegible]		
	22[illegible]W	2913[illegible]5				SS		
	22[illegible]	21[illegible]				S[illegible]		
	[illegible]	[illegible]				[illegible]		
	[illegible]	[illegible]				[illegible]		

SITE	DRAINAGE	VEGETATION	SLOPE	SLOPE DIRECTION	SAMPLE DEPTH	HORIZON SAMPLED	COLOR	% CLAY	% SILT	% SAND	% GRAVEL	% ORGANICS	MAX. PART. SIZE	% PARTICLES	COATINGS	COATINGS	ROCK FRAGMENTS TYPE 1	TYPE 2	TYPE 3	PARENT MATERIAL	% RESIDUAL
T	R	[illegible]	26	[illegible]3[illegible]	1[illegible]	BC	5U	[illegible]	[illegible]	[illegible]	5						VL			T[illegible]	1
F	R	0	18	030	10	B[illegible]	5U	=	9	0	1	0	N				clay fissility			TL	T
F	R	0	14	030	20	BC	5U	0	4	0	5	0	O				VL			TL	9
F	R	0	12	070	30	BC	5U	=	7	0	3	0	P				VL			TL	9
F	F	A	20	[illegible]0	30	BC	5U		6		4		P				VL			T[illegible]	2
			30	100	47	BK	5A	[illegible]	16			[illegible]	[illegible]							BR	9
F	R	A	16	170	20	AC	5U	6	4	0	4	2	O				[illegible] volcanic			BR	9
F	R	A	12	160	27	AC	5U	0	3	3	0	2								TL	9
F	R	A	12	160	3[illegible]	[illegible]C	5U	0	4		4	2	P				VL			TL	1
F	R	A	24	160	30	B1	5U	[illegible]	[illegible]	[illegible]	1	1	-				VL			CL	9
F	R	A	24	160	46	XG	5A	2	9	[illegible]	[illegible]	1								CL	9
F	[illegible]	A	[illegible]	160	50	B1	5U	[illegible]	[illegible]	[illegible]	[illegible]	1	M							CL	9
F	R	A	26	1[illegible]0	50	XG	5A	=	4	1	1	1	K				VL			CL	9
F	Y	[illegible]		020	10	BC	5U		4		[illegible]		N							TL	[illegible]
F	R	A	16	130	30	B1	5U			9	0	1	O				VL			CL	[illegible]
F	[illegible]	A	12	150	[illegible]0	B1	5U	0	5	0	1	1	0				VL			CL	9
F	R	A	22	160	50	B1	5U		9		1	2	N				VL			CL	9
F	F	A	3[illegible]	14[illegible]	5[illegible]	B1	5U	[illegible]	[illegible]		6	2	W							CL	9
F	R	0	32	125	30	BC	5U		=	6	4	0	N							TL	9
F	R	0	[illegible]	[illegible]	[illegible]	BC	[illegible]U	[illegible]	2	1	7	0	N				VL			TL	9
F	R	[illegible]	40	[illegible]10	15	BC	5U	0	7		5		N							TL	9
[illegible]	F	[illegible]	[illegible]	[illegible]	[illegible]	BC	[illegible]U	0	5			T	N				VL			T[illegible]	9
F	R	A	10	1[illegible]	[illegible]	B1	5U	[illegible]	[illegible]			2	0				VL			CL	9
[illegible]	R	[illegible]	[illegible]	1[illegible]	[illegible]	B1	[illegible]	6	9	9	1	1	T				[illegible]			[illegible]	[illegible]

SOIL

DEND1

PRJPDJ

GRID

VENTURE NUMBER: VB43

VENTURE NAME

COMPANY

PROPERTY

SAMPLED: DAY | MONTH | YEAR | BY | ASSTD. BY

AZIMUTH OF +VE EAST OF GRID TRUE NORTH

WEATHER

N. T. S.

SHEET No. | of

OR PROJECT AND SUB PROJECT: BALK CREEK

UTM CO-ORDINATES OF GRID ORIGIN: NORTHING | EASTING | ELEVATION

2 3 4 5 6 7 8	SAMPLE I.D. — OR — LINE	9 10 11 12 13 14 15	SAMPLE NO. — OR — STATION	16 17 18 19	ELEVATION	20 21		22 23 24 25 26 27 28	NORTH CO-ORDINATE	29 30 31 32 33 34	EAST CO-ORDINATE	35	LOCAL TERRAIN	36	SECONDARY ENVIRONMENT	37 38	FACTORS AFFECTING CONDITIONS	39 40
	22		30															
	22		21															
	22		31															
	22		32															
	22																	

41	SITE DRAINAGE	42	VEGETATION	43 44	SLOPE	45 46	SLOPE DIRECTION	47 48 49	SAMPLE DEPTH	50 51 52	HORIZON SAMPLED	53 54	COLOR	55 56 57	% CLAY	58	% SILT	59	% SAND	60	% GRAVEL	61	% ORGANICS	62	MAX. PART. SIZE	63	% PARTICLES	64	COATINGS	65	COATINGS	66 67 68	ROCK FRAGMENTS TYPE 1	69 70 71	TYPE 2	72 73 74	TYPE 3	75 76 77	PARENT MATERIAL	78	% RESIDUAL	79 80
					30		16	55																																
					30		16	55																																

SOIL

IDENO1 | VENTURE NUMBER: 2243 | VENTURE NAME: [illegible] | SAMPLED: DAY 16, MONTH 7, YEAR 89, BY JP, ASSTD. BY

COMPANY | PROPERTY

IPRJ: FSH | [illegible]

AZIMUTH OF +VE EAST OF

SGRID

FLAG	SAMPLE I.D. — OR — LINE	SAMPLE NO. — OR — STATION	ELEVATION		NORTH CO-ORDINATE	EAST CO-ORDINATE	LOCAL TERRAIN	SECONDARY ENVIRONMENT	FACTORS AFFECTING CONDITIONS
1	2 3 4 5 6 7 8	9 10 11 12 13 14 15	16 17 18 19	20 21	22 23 24 25 26 27 28	29 30 31 32 33 34	35 36	37 38	39 40
	2	31605					NS		
		32005					NS		
		32410					NS		
		32800					NS		
		33215					NS		
		33600					NS		
		33915					NS	C	
		34400					NS		

WEATHER: Cloudy | N. T. S. | SHEET No. of

OR PROJECT AND SUB PROJECT

GRID 000 TRUE NORTH

UTM CO-ORDINATES OF GRID ORIGIN: NORTHING | EASTING | ELEVATION

SITE DRAINAGE	VEGETATION	SLOPE	SLOPE DIRECTION	SAMPLE DEPTH	HORIZON SAMPLED	COLOR	% CLAY	% SILT	% SAND	% GRAVEL	% ORGANICS	MAX. PART. SIZE	% PARTICLES	COATINGS	COATINGS	ROCK FRAGMENTS TYPE 1	ROCK FRAGMENTS TYPE 2	ROCK FRAGMENTS TYPE 3	PARENT MATERIAL	% RESIDUAL
41 42	43 44	45 46	47 48 49	50 51 52	53 54	55 56 57	58 59	60 61	62	63 64	65 66 67 68	69 70 71	72 73 74	75 76 77	78 79 80					
R	F	32	157	025	BC	4U	=5	=4	P	1					TL 60					
R	F	32	182	025	BC	5U	8	2	P	2					TL 80					
R	F	24	188	025	B1	AU	=8	=1	0	1					CL 90					
R	F	25	160	025	B1	5U	9	=1	N	=1					CL 90					
R	F	28	198	025	B2	6U	4	6	F	6					CL 40					
R	P	32	178	046	B1	4U	=8	=1	F	1					CL 90					
R	P	32	132	025	B1	4U	=8	=1	P	1					CL 90					
R	F	32	179	015	B1	5U	=6	3	=0	3					CL 70					

1 MP

SOIL

DEN01	VENTURE NUMBER	VENTURE NAME	DAY	MONTH	YEAR	BY	ASSTD. BY
	V243		12	07	89	DGR	AAR

PRJ	COMPANY	PROPERTY
PRJ	H. ACGR BOMB 90C	BALLCREEK

Dave G. Rowlek
Adrienne A. Ross

WEATHER	N.T.S.	SHEET No.	of
CLOUDY, OVERCAST, RAINING		03	03

OR PROJECT AND SUB PROJECT

GRID 000 TRUE NORTH

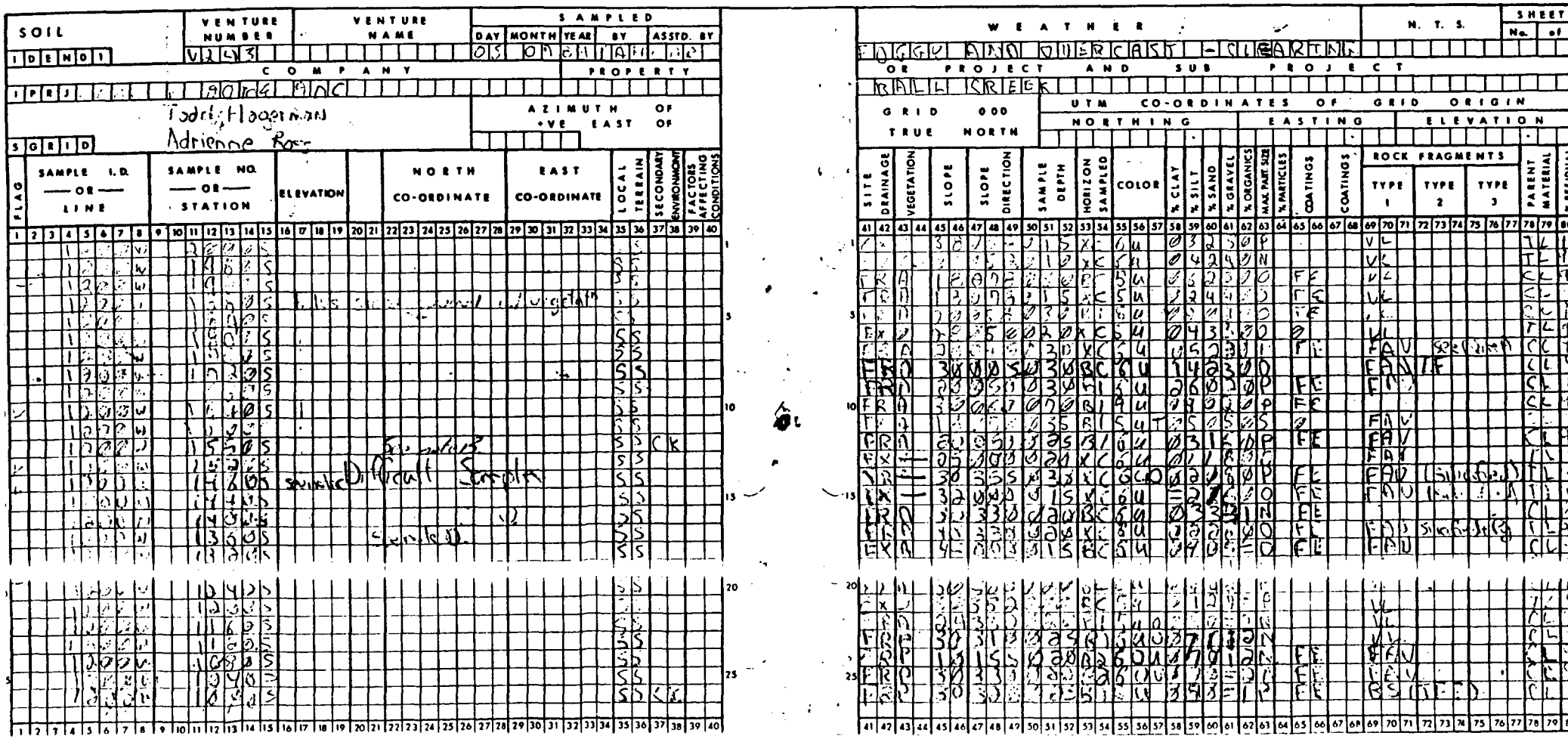
AZIMUTH OF +VE EAST OF

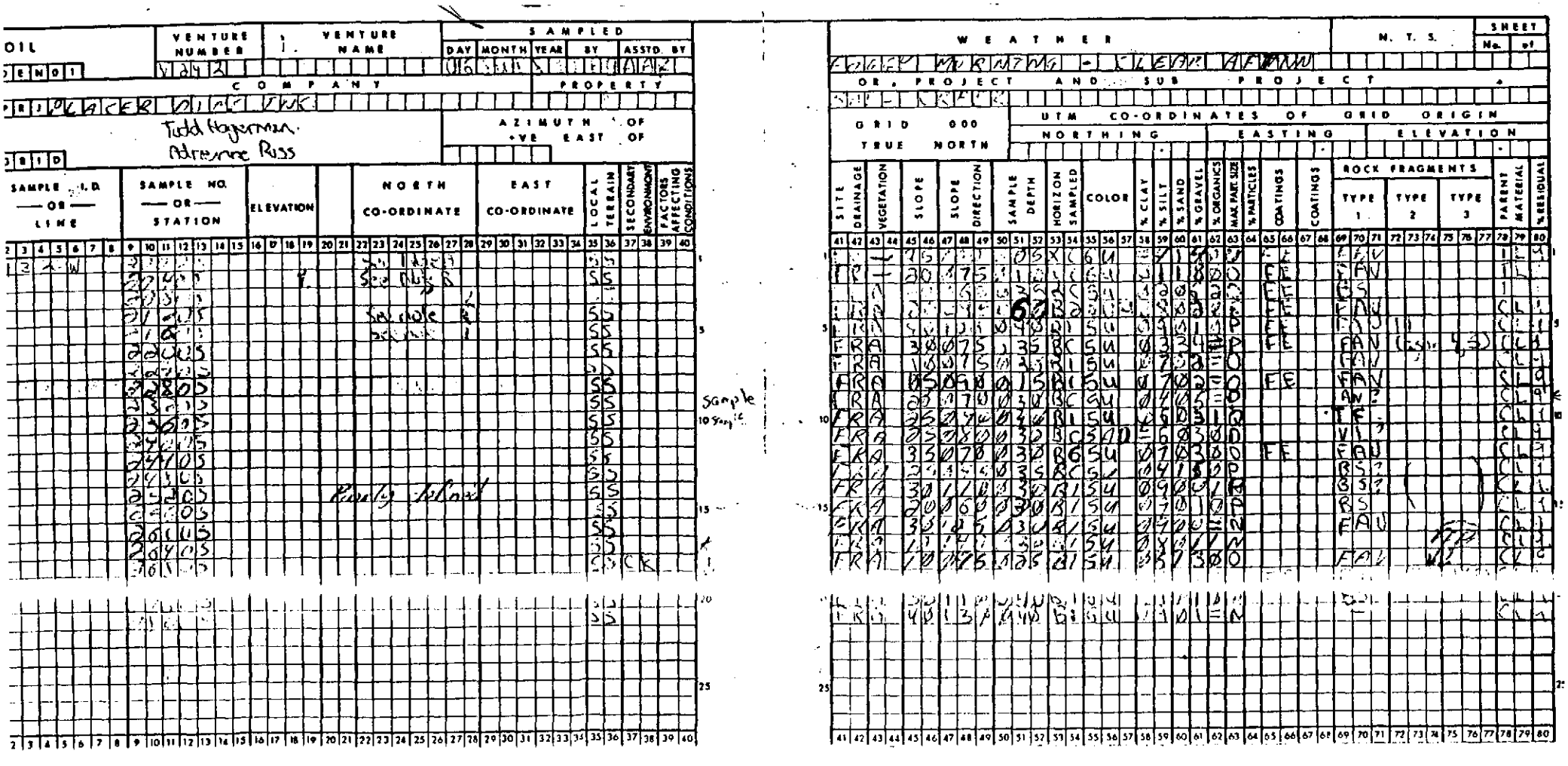
UTM CO-ORDINATES OF GRID ORIGIN — NORTHING / EASTING / ELEVATION

GRID

SAMPLE I.D. OR LINE (2–8)	SAMPLE NO. OR STATION (9–15)	ELEVATION (16–19)	(20–21)	NORTH CO-ORDINATE (22–28)	EAST CO-ORDINATE (29–34)	LOCAL TERRAIN (35–36)	SECONDARY ENVIRONMENT (37–38)	FACTORS AFFECTING CONDITIONS (39–40)
[illegible]	41205					SS		
900W	41605					SS		
800W	42005					SS		
800W	42405					SS		
800W	[illegible]					SS		
800W	43205					SS		
800W	43605					SS		
800W	44005					SB	ST	
800W	44405					SS		
800W	44805					SS		
800W	45205					SS		
800W	45605					SS		
800W	46005					VF		
800W	~~46405~~	4605 - last sample (hit creek)						
800W	46805							

SITE (41)	DRAINAGE (42)	VEGETATION (43–44)	SLOPE (45–46)	SLOPE DIRECTION (47–49)	SAMPLE DEPTH (50–52)	HORIZON SAMPLED (53–54)	COLOR (55–57)	% CLAY (58)	% SILT (59)	% SAND (60)	% GRAVEL (61)	% ORGANICS (62)	MAX. PART. SIZE (63)	% PARTICLES (64)	COATINGS (65–66)	COATINGS (67–68)	ROCK FRAGMENTS TYPE 1 (69–71)	TYPE 2 (72–74)	TYPE 3 (75–77)	PARENT MATERIAL (78–79)	% RESIDUAL (80)
F	R	P	22	130	35	B1	44	0	7	[illegible]	-	=	O				VL			CL	9
F	R	P	12	140	30	B1	4U	0	9	[illegible]	=	1	0				VL			CL	9
F	R	P	04	060	32	B1	4UR	0	2	0	1	1	O				VL			CL	9
F	R	P	10	140	30	B1	4RU	0	9	0	=	1	O				VL			CL	9
F	R	P	03	150	30	B1	4RU	0	7	0	2	1	O				VL			CL	9
F	R	P	18	120	40	B1	5U	0	9	9	2	0	O				VL			CL	9
F	R	P	30	140	35	B1	44	0	6	?	3	1	O				VL			CL	9
T	M	P	20	220	35	B1	3U	0	5	0	3	2	S				VL			CL	9
F	R	P	20	160	40	B1	4U	0	7	1	1	1	M				VL			CL	9
F	R	P	30	150	40	B1	4U	0	9	0	0	1	M				VL			CL	9
F	R	P	30	180	40	B1	5AU	0	8	0	1	1	N				VL			CL	9
F	R	P	10	150	30	B1	5U	0	8	0	1	1	N				VL			CL	9
T	M	P	—	—	30	B1	4U	0	7	[illegible]	0	1	N				VL			CL	9


SOIL
VENTURE NUMBER
VENTURE NAME
SAMPLED
DAY
MONTH
YEAR
BY
ASSTD. BY
IDENTIFIER
COMPANY
PROPERTY
PROJ
Todd Hagerman
Adrienne Ross
AZIMUTH OF +VE EAST OF
SGRID
WEATHER
N. T. S.
SHEET
No.
of
OR PROJECT AND SUB PROJECT
GRID TRUE NORTH
UTM CO-ORDINATES OF GRID ORIGIN
NORTHING
EASTING
ELEVATION
FLAG
SAMPLE I.D. — OR — LINE
SAMPLE NO. — OR — STATION
ELEVATION
NORTH CO-ORDINATE
EAST CO-ORDINATE
LOCAL TERRAIN
SECONDARY ENVIRONMENT
FACTORS AFFECTING CONDITIONS
SITE DRAINAGE
VEGETATION
SLOPE
SLOPE DIRECTION
SAMPLE DEPTH
HORIZON SAMPLED
COLOR
% CLAY
% SILT
% SAND
% GRAVEL
% ORGANICS
MAX. PART SIZE
% PARTICLES
COATINGS
COATINGS
ROCK FRAGMENTS
TYPE 1
TYPE 2
TYPE 3
PARENT MATERIAL
% RESIDUAL


VENTURE NUMBER
VENTURE NAME
SAMPLED
DAY
MONTH
YEAR
BY
ASSTD. BY
COMPANY
PROPERTY
Todd Hagerman
Adrienne Ross
AZIMUTH OF +VE EAST OF
SAMPLE I.D. — OR — LINE
SAMPLE NO. — OR — STATION
ELEVATION
NORTH CO-ORDINATE
EAST CO-ORDINATE
LOCAL TERRAIN
SECONDARY ENVIRONMENT
FACTORS AFFECTING CONDITIONS
Sample
Rocky Point
WEATHER
N. T. S.
SHEET
OR, PROJECT AND SUB PROJECT
GRID 000
TRUE NORTH
UTM CO-ORDINATES OF GRID ORIGIN
NORTHING
EASTING
ELEVATION
SITE DRAINAGE
VEGETATION
SLOPE
SLOPE DIRECTION
SAMPLE DEPTH
HORIZON SAMPLED
COLOR
% CLAY
% SILT
% SAND
% GRAVEL
% ORGANICS
MAX PART. SIZE
% PARTICLES
COATINGS
COATINGS
ROCK FRAGMENTS
TYPE 1
TYPE 2
TYPE 3
PARENT MATERIAL
% RESIDUAL

OIL

VENTURE NUMBER: 1243

VENTURE NAME

SAMPLED: DAY 09 MONTH 09 YEAR 89 BY AAR ASSTD. BY TAH

WEATHER

N. T. S.

SHEET No. of

COMPANY: ENDL

OR PROJECT AND SUB PROJECT

PROPERTY: BRIDGER

Adrianne Ross
Todd Hagerman
Dave Rankin

GRID 000 TRUE NORTH

AZIMUTH OF +VE EAST OF

UTM CO-ORDINATES OF GRID ORIGIN

NORTHING

EASTING

ELEVATION

BRID

SAMPLE I.D. — OR — LINE	SAMPLE NO. — OR — STATION	ELEVATION	NORTH CO-ORDINATE	EAST CO-ORDINATE	LOCAL TERRAIN	SECONDARY ENVIRONMENT	FACTORS AFFECTING CONDITIONS

SITE	DRAINAGE	VEGETATION	SLOPE	SLOPE DIRECTION	SAMPLE DEPTH	HORIZON SAMPLED	COLOR	% CLAY	% SILT	% SAND	% GRAVEL	% ORGANICS	MAX. PART. SIZE	% PARTICLES	COATINGS	COATINGS	ROCK FRAGMENTS TYPE 1	ROCK FRAGMENTS TYPE 2	ROCK FRAGMENTS TYPE 3	PARENT MATERIAL	% RESIDUAL

SOIL

VENTURE NUMBER: 1243

VENTURE NAME:

SAMPLED: DAY / MONTH / YEAR / BY / ASSTD. BY

WEATHER

N. T. S.

SHEET No. / of

COMPANY: PROSPECTOR Body Mac

PROPERTY

OR PROJECT AND SUB PROJECT

Todd Hartmann
Adrienne Ross

GRID TRUE NORTH: 000

AZIMUTH OF +VE EAST OF

UTM CO-ORDINATES OF GRID ORIGIN: NORTHING / EASTING / ELEVATION

GRID

FLAG	SAMPLE I.D. — OR — LINE	SAMPLE NO. — OR — STATION	ELEVATION	NORTH CO-ORDINATE	EAST CO-ORDINATE	LOCAL TERRAIN	SECONDARY ENVIRONMENT	FACTORS AFFECTING CONDITIONS
	1400W	3+00S				SS		
	1400W	2+00S		See Note C		SS		
✓	1400W	1+00S				SS		
✓	1400W	2+00S		See Note D		SS		
✓	1400W	3+00S		No sample taken - All FN				
	1400W	3+00S		Run D Termination				

SITE DRAINAGE	VEGETATION	SLOPE	SLOPE DIRECTION	SAMPLE DEPTH	HORIZON SAMPLED	COLOR	% CLAY	% SILT	% SAND	% GRAVEL	% ORGANICS	MAX. PART. SIZE	% PARTICLES	COATINGS	COATINGS	ROCK FRAGMENTS TYPE 1	ROCK FRAGMENTS TYPE 2	ROCK FRAGMENTS TYPE 3	PARENT MATERIAL	% RESIDUAL
IMP		05	170	100	B1	5YR 4/4	54	40			N									
IMP		15	175	100	B1	5YR 4/4	90	06			N		FE			FRAV	FRAV	FRAV		
IMP		15	165	015	B1	5YR 4/4	90	06			N		FE			FRAV				
EXP		30	175	015	B1	5YR 4/4	90	02	06		02		FE			FRAV				
IMP	Grass	0	-	-	-	Water Logged														
IMP		15	090	060	-															
EXP		30	155	040	B1	5YR 4/4	80	10								UL				

SOIL

VENTURE NUMBER

VENTURE NAME

SAMPLED — DAY | MONTH | YEAR | BY | ASSTD. BY

IDENDOI

COMPANY

PROPERTY

IPRJPIOCER

Todd Hagerman
Adrienne Ross

AZIMUTH OF +VE EAST OF

SGRID

WEATHER

N. T. S.

SHEET No. of

OR PROJECT AND SUB PROJECT

GRID 000 TRUE NORTH

UTM CO-ORDINATES OF GRID ORIGIN

NORTHING | EASTING | ELEVATION

FLAG	SAMPLE I.D. — OR — LINE	SAMPLE NO. — OR — STATION	ELEVATION	NORTH CO-ORDINATE	EAST CO-ORDINATE	LOCAL TERRAIN	SECONDARY ENVIRONMENT	FACTORS AFFECTING CONDITIONS
1 2 3 4 5 6 7 8	9 10 11 12 13 14 15	16 17 18 19	20 21	22 23 24 25 26 27 28	29 30 31 32 33 34	35 36	37 38	39 40

See note R
See note A
poor soil horizons
Poorly developed

SITE DRAINAGE	VEGETATION	SLOPE	SLOPE DIRECTION	SAMPLE DEPTH	HORIZON SAMPLED	COLOR	% CLAY	% SILT	% SAND	% GRAVEL	% ORGANICS	MAX. PART. SIZE	% PARTICLES	COATINGS	COATINGS	ROCK FRAGMENTS TYPE 1	ROCK FRAGMENTS TYPE 2	ROCK FRAGMENTS TYPE 3	PARENT MATERIAL	% RESIDUAL
41 42	43 44	45 46	47 48 49	50 51 52	53 54	55 56 57	58 59	60 61	62	63 64	65 66	67 68	69 70 71	72 73 74	75 76 77	78 79	80			

*DS. FOR VEGETATION = DWARF SPRUCE

OIL

VENTURE NUMBER

VENTURE NAME

SAMPLED: DAY | MONTH | YEAR | BY | ASSTD. BY

COMPANY

PROPERTY

WEATHER

N. T. S.

SHEET No. | of

OR PROJECT AND SUB PROJECT

GRID TRUE NORTH 000

AZIMUTH OF +VE EAST OF

UTM CO-ORDINATES OF GRID ORIGIN: NORTHING | EASTING | ELEVATION

SAMPLE I.D. — OR — LINE	SAMPLE NO. — OR — STATION	ELEVATION	NORTH CO-ORDINATE	EAST CO-ORDINATE	LOCAL TERRAIN	SECONDARY ENVIRONMENT	FACTORS AFFECTING CONDITIONS
1400W	20005				S S		
	19600S				S S		
	19200S				S S		
	18800S						
	18400S	NO SAMPLE (SNOW)			T R	T R	
	18000S				T R		
	17600S				S S		
	17200S	SAMPLE TAKEN 5M TO NORTH			S S	T L	
	16800S				S S	T L	
	16400S				S S		
	16000S	intrusive porphyry Tv basalt & lava			S S	T L	
	15600S				S S		
	15200S				S S		
	14800S				S S		
	14400S				S S		
	14000S				S S		
	13600S				S S		
	13200S				S S		
	12800S				S S		
	12400S				S S		
	12000S				S S		
	11600S				S S		
	11200S				S S		
	10800S				S S		
	10400S				S S		
	10000S				S S		
	9600S				S S		

SITE	DRAINAGE	VEGETATION	SLOPE	SLOPE DIRECTION	SAMPLE DEPTH	HORIZON SAMPLED	COLOR	% CLAY	% SILT	% SAND	% GRAVEL	% ORGANICS	MAX PART SIZE	% PARTICLES	COATINGS	COATINGS	ROCK FRAGMENTS TYPE 1	ROCK FRAGMENTS TYPE 2	ROCK FRAGMENTS TYPE 3	PARENT MATERIAL	% RESIDUAL
F	R	—	35	060	0-30	B	C	6	U	T	=	7	4	=	52	9		FE			T
F	R	—	30	055	0-30	B	C	6	U	T	0	4	2	4	56	9		FE	VOL		T
F	R	—	30	060	0-25	B	C	6	U	T	=	4	2	4	60	9					T
F	R	—	32	055	0-25	B	C	6	U		=	4	1	4	80	N			AND		C
I	M	A	02	060	0-25	B	C	6	U	T	=	7	2	0	0						C
I	M	A	03	080	0-25	B	1	4	U		=	5	1	=	0	N			VOL		C
T	A	—	20	010	0-25	B	C	6	U	T	=	2	2	9	0	N					C
F	R	—	30	070	0-20	B	C	6	U	T	=	4	1	4	0	9					T
F	R	—	20	060	0-20	B	C	6	U	T	=	4	1	5	0	9					T
F	R	A	10	060	0-20	B	C	4	U		=	6	3	1	2	0					C
F	R	A	30	090	0-20	B	C	6	U	T	=	3	8	0	0	N					C
F	R	D	S	30	270	0-25	B	1	4	U		=	3	8	0	N					C
F	R	D	S	25	290	0-30	B	1	4	U		0	8	2	=	0	N				C
F	R	D	S	25	290	0-30	B	1	5	U	T	=	7	1	=	0	N				C
F	R	A	35	290	0-30	B	C	5	U		0	6	1	3	0	0					C
F	R	A	25	290	0-30	B	C	5	U		=	7	0	3	0	N					C
F	R	D	S	30	290	0-30	B	1	4	U		=	7	0	3	0	N				C
F	R	A	30	320	0-30	B	1	6	U	T	2	9	0	=	0	N					C
F	R	A	30	320	0-30	B	1	6	U	T	1	8	0	=	0	N					C
F	R	A	35	320	0-30	B	1	6	U	T	1	8	0	=	0	N					C
F	R	A	35	320	0-30	B	1	4	U	T	1	8	0	=	0	N					C
F	R	A	30	320	0-30	B	1	6	U	T	0	7	0	=	0	N					C
F	R	A	20	320	0-30	B	1	6	U	T	=	8	0	=	0	N					C

SOIL

IDENOI	VENTURE NUMBER	VENTURE NAME	DAY	MONTH	YEAR	BY	ASSTD. BY
	V 243	Rail Ck	06	07	89	JD	JT

COMPANY	PROPERTY
IPRJ YOI	Rail Ck

AZIMUTH OF +VE EAST OF GRID

WEATHER	N.T.S.	SHEET No. of
Foggy & Cold		

OR PROJECT AND SUB PROJECT

UTM CO-ORDINATES OF GRID ORIGIN — GRID 000 TRUE NORTH — NORTHING — EASTING — ELEVATION

Flag	Sample I.D. or Line	Sample No. or Station	Elevation / North Co-ordinate / East Co-ordinate (notes)	Local Terrain	Factors Affecting Conditions	Site Drainage	Vegetation	Slope	Slope Direction	Sample Depth	Horizon Sampled	Color	% Clay	% Silt	% Sand	% Gravel	Max. Part. Size	% Particles	Rock Fragments Type 1	Type 2	Parent Material	% Residual
	1 S00 W	2040S	O/C Pyrite silicified Vlc	SS	GO	1W	+	2Ø	Ø42	Ø2Ø	BC	5U	=	5	=	4	S	4	V1P		C1	6
		2080S	O/C (ox coating)	SS	GD	1n	+	38	114	Ø2Ø	RC	6UO	=	6	=	3	U	3			C1	7
		2125S	up to 20% pyrite disseminated in rx	SS	GO	1m	+	33	Ø68	ØØ5	BC	5U	1	S	1	3	S	3	V1P		C1	9
		2160S		SS		FR	A	24	Ø8Ø	Ø25	B1	4U	=	9		=	O	=	V1		C1	9
		2200S		SS		FR	+	14	Ø9Ø	Ø2Ø	BC	4U	=	6	=	3	P	3			C1	7
		2240S	snow	snow		snow					snow						snow					
		2280S	magnetic anomaly affecting compass	SS		FR	A	2Ø	Ø88	Ø4Ø	B1	4U	1	8		1	O	1			C1	1
		2320		SS		FR	A	28	Ø94	Ø2Ø	B1	4U	1	8		1	O	1			C1	1
		2360		SS		FR	A	3Ø	1Ø6	Ø25	B1	4U	=	7	=	2	O	2			C1	8
		2400S		SS		FR	A	14	Ø9Ø	Ø2Ø	B1	4U	=	7	=	2	P	2	V1		C1	8
		2440		SS		FR	A	17	1Ø3	Ø2Ø	B1	4U	1	7	1	1	O	2			C1	8
		2480	O/C Fg VI. TALUS	SS		FR	+	26	116	Ø1Ø	BC	4U	=	6	=	3	S	3			TL	7
		2520	snow	snow			snow					snow										
		2560		SS		FR	A	34	Ø99	Ø3Ø	B1	4U	=	9		=	N	=			C1	9
		2600		SS		FR	A	27	13Ø	Ø3Ø	B1	5U		8		2	O	2	V1		C1	8
		2640		SS		FR	A	18	122	Ø35	B1	5U	1	7		2	P	2	V1	INT	C1	8
		2680	S/C	SS		FR	A	22	Ø95	Ø15	B1	4U	1	8		1	N	1			C1	9
		2720		SS		FR	+	24	Ø33	Ø2Ø	BC	5U	1	6	1	2	G	2	N1		C1	9
		[illegible]				[illegible]																
		2800		SS		FR	A	3Ø	112	Ø4Ø	B1	4U	=	8	=	1	O	1			C1	[illegible]
		2840	TALUS	SS	CK	FR	+	27	112	Ø1Ø	BC	5U	=	7	=	2	S	2	V1 P/C		TL	8
		2880		SS		FR	A	34	11Ø	Ø35	B1	5U	=	6	=	3	P	3	INT		TL	7
		2920		SS		FR	A	28	1Ø[illegible]	Ø25	B1	4U	1	7		2	O	2			C1	8
		2960		SS		FR	A	36	136	Ø2Ø	B1	4U	≠	9		=	O	=			C1	9
		3000		SS		FR	EA	28	132	Ø2Ø	B1	5U	1	8		1	O	1			C1	7

SOIL

VENTURE NUMBER: V2B3 | VENTURE NAME: BAILEY | SAMPLED DAY: 06 | MONTH: 07 | YEAR: 78 | BY: JP | ASSTD. BY:

COMPANY: PRJ PLACE | PROPERTY: BAILEY

GRID: 1

FLAG	SAMPLE I.D. — OR — LINE	SAMPLE NO. — OR — STATION	ELEVATION		NORTH CO-ORDINATE	EAST CO-ORDINATE	LOCAL TERRAIN	SECONDARY ENVIRONMENT	FACTORS AFFECTING CONDITIONS
	1	32405					SS		CK
		30855					SS		
		31455					SS		
		31605					SS		

WEATHER: fbk & hvy dell

N. T. S.

SHEET No. of

OR PROJECT AND SUB PROJECT

GRID 000 TRUE NORTH

UTM CO-ORDINATES OF GRID ORIGIN: NORTHING | EASTING | ELEVATION

SITE DRAINAGE	VEGETATION	SLOPE	SLOPE DIRECTION	SAMPLE DEPTH	HORIZON SAMPLED	COLOR	% CLAY	% SILT	% SAND	% GRAVEL	% ORGANICS	MAX. PART. SIZE	% PARTICLES	COATINGS	COATINGS	ROCK FRAGMENTS TYPE 1	ROCK FRAGMENTS TYPE 2	ROCK FRAGMENTS TYPE 3	PARENT MATERIAL	% RESIDUAL
FR	FA	22	104	02	B1	5U	=	9	=	=	0	=	0						C	L
FR	FA	12	124	02	B1	4U	=	9	=	=	0	=	0						C	L
FR	FA	18	125	62	B1	4U	1	8	1	=	F	1							C	L
FR	FP	32	136	02	B1	5U	2	7	1	=	2	1							C	L

OIL

DENOI

VENTURE NUMBER: V1243

VENTURE NAME:

SAMPLED: DAY 29 MONTH 06 YEAR 89 BY JPJ ASSTD. BY JT

COMPANY: PACER Home Inc

PROPERTY: BAIL CREEK

GRID

AZIMUTH OF +VE EAST OF

WEATHER: NICE & SUNNY !!

N. T. S.

SHEET No. 01 of 02

OR PROJECT AND SUB PROJECT

GRID 000 TRUE NORTH

UTM CO-ORDINATES OF GRID ORIGIN: NORTHING | EASTING | ELEVATION

SAMPLE I.D. — OR — LINE	SAMPLE NO. — OR — STATION	ELEVATION	NORTH CO-ORDINATE	EAST CO-ORDINATE	LOCAL TERRAIN	SECONDARY ENVIRONMENT	FACTORS AFFECTING CONDITIONS
1600W	2000			TALUS	S		C
	2040			TALUS	S		0
	2080				S		
	2120				S		
	2160				S		
	2200				S		
	2240				S		
	2280			TALUS	S		
	2320				S		
	2360				S		
	2400				S		
	2440				S		
	2480			TALUS	S		
	2520				S		
	2560				S		
	2600				S		
	2640				S		
	2680			TALUS	S		
	2720				S		
	2760				S		
	2800				S		
	2840				S		
	2880				S		
	2920				S		
	2960				S		
	3000				S		
	3040				S		

INTERLINE OK

SITE DRAINAGE	VEGETATION	SLOPE	SLOPE DIRECTION	SAMPLE DEPTH	HORIZON SAMPLED	COLOR	% CLAY	% SILT	% SAND	% GRAVEL	% ORGANICS	MAX PART. SIZE	% PARTICLES	COATINGS	COATINGS	ROCK FRAGMENTS TYPE 1	ROCK FRAGMENTS TYPE 2	ROCK FRAGMENTS TYPE 3	PARENT MATERIAL	% RESIDUAL
CX	+	06	086	6	BC	6U	U	=	6	=	3									
IW	+	18	0	0	BC	5U	U	1	5	0	1	2								
FR	A	05	345	0	B1	4U	U	1	4	0	1	2								
FR	A	06	336	0	B1	4U	U	1	4	0	1	2								
FR	+	48	865	0	B1	5U	U	1	4	6	1	2								
HB	+	28	084	0	B1	5U	U	1	4	7		2								
FR	+	20	165	0	B1	5U	U	1	3	8		1								
IB	+	37	109	05	B1	4U	U	1	2	6	1	2								
FR	A	36	112	02	B1	4U	U	1	2	6	1	1								
FR	A	24	090	05	B1	4U	U	2	1	6	1	1								
FR	A	12	099	05	B1	4U	U	2	1	6	1	1								
FR	A	08	067	05	B1	4U	U	1	1	6	1	1								
FR	+	14	061	05	B1	5U	U	1	1	7	1	1								
FR	A	34	217	02	B1	3U	U	1	1	6	1	2								
FR	A	22	128	05	B1	4U	U	1	1	6		3								
FR	A	28	125	05	B1	4U	U	1	1	6		2								
FR	+	26	126	05	B1	5U	U	1	1	7		2								
FR	A	10	126	05	B1	5U	U	1	1	7		2								
FR	A	32	116	02	B1	4U	U	1	1	7		2								
FR	A	36	111	02	B1	4U	U	1	1	7		2								
FR	A	24	112	02	B1	4U	U	1	1	7		2								
FR	A	38	112	02	B1	4U	U	1	1	7		2								
FR	A	24	110	02	B1	5U	U	1	1	7		2								
FR	A	36	110	02	B1	5U	U	1	1	7		2								

SOIL

DENDI

PROJECT

GRID

VENTURE NUMBER

VENTURE NAME

SAMPLED: DAY 26 | MONTH 06 | YEAR 88 | BY TPT | ASSTD. BY

COMPANY

PROPERTY: BALL CK

AZIMUTH OF +VE EAST OF

GRID TRUE NORTH

WEATHER: sunny + some clouds

M. T. S.

SHEET No. 02 of 02

OR PROJECT AND SUB PROJECT

UTM CO-ORDINATES OF GRID ORIGIN: NORTHING | EASTING | ELEVATION

SAMPLE I.D. — OR — LINE	SAMPLE NO. — OR — STATION	ELEVATION	NORTH CO-ORDINATE	EAST CO-ORDINATE	LOCAL TERRAIN	SECONDARY ENVIRONMENT	FACTORS AFFECTING CONDITIONS
1	20				SS		
	21				SS		
	31				SS		
	32				SS		
	32				SS		
	33				SS		
	33				SS		

SITE DRAINAGE	VEGETATION	SLOPE	SLOPE DIRECTION	SAMPLE DEPTH	HORIZON SAMPLED	COLOR	% CLAY	% SILT	% SAND	% GRAVEL	% ORGANICS	MAX. PART. SIZE	% PARTICLES	COATINGS	COATINGS	ROCK FRAGMENTS TYPE 1	ROCK FRAGMENTS TYPE 2	ROCK FRAGMENTS TYPE 3	PARENT MATERIAL	% RESIDUAL
R	F	28	128	620	R1	5 U	1	9	1	02	1							C	L	9
R	P	28	122	620	R1	5 U	1	9	1	02	1									
R	F	34	138	01	S1	5 U	1	8	1	22	1									
R	F	24	168	01	S1	5 U	1	8	1	22	1									
R	F	18	178	01	S1	5 U	1	8	1	22	1									
R	P	98	154	01	B2	5 U	1	9	1	22	1									
R	F	34	168	01	B2	5 U	1	9	1	22	1					INT			✓	
R	F	36	158	01	B1	5 U	1	9	1	22	1									

SOIL

DENOI

VENTURE NUMBER: V243

VENTURE NAME

SAMPLED: DAY 07 MONTH 00 YEAR 7 BY TF ASSTD. BY TP

COMPANY

PROPERTY

PRJ

GRID

AZIMUTH OF +VE EAST OF

WEATHER

N. T. S.

SHEET No. of

OR PROJECT AND SUB PROJECT: BALL CREEK

GRID 000 TRUE NORTH

UTM CO-ORDINATES OF GRID ORIGIN: NORTHING | EASTING | ELEVATION

SAMPLE I.D. — OR — LINE	SAMPLE NO. — OR — STATION	ELEVATION	NORTH CO-ORDINATE	EAST CO-ORDINATE	LOCAL TERRAIN	SECONDARY ENVIRONMENT	FACTORS AFFECTING CONDITIONS
1C00W							
				MO SAMPLE (SNOW)			
							SP
				QTZ and ort. ed Volcanics			
				QTZ and chloritized VL			
				" " "			
				Greenish Porphyry?			
				APPEARS TO BE MAFIC INT.			
				10 M. [illegible] small change			SP
				VOLCANIC PORPHYRY?			
							SP
				Sample at or small Isle into Border Grs.			
				SAMPLE TAKEN IN CRK GULLY			

SITE DRAINAGE	VEGETATION	SLOPE	SLOPE DIRECTION	SAMPLE DEPTH	HORIZON SAMPLED	COLOR	% CLAY	% SILT	% SAND	% GRAVEL	% ORGANICS	MAX. PART. SIZE	% PARTICLES	COATINGS	COATINGS	ROCK FRAGMENTS TYPE 1	ROCK FRAGMENTS TYPE 2	ROCK FRAGMENTS TYPE 3	PARENT MATERIAL	% RESIDUAL
FR		25	050	026	BC	5YR 4/1		14			SP		FE	MN		VL			TL	
FR		25	030	020	BC	5YR 4/1		14			SP		FE			VL			TL	
FR		20	020	025	B1	10YR 4/1		16			SP					VL			TL	
FR		40	350	033	BC	10YR 4/1		12			SP		FE			VL			TL	
FR		45	345	020	BC	10YR 4/1		17			SP		FE			VL			TL	
FR		45	345	020	BC	10YR 4/1		13			SP		FE			VL			TL	
FR		35	345	020	BC	10YR 4/1		14			SP		FE			VL			TL	
FR		35	350	025	BC	10YR 4/1		12			SP		FE			VL			TL	
FR		40	340	020	BC	10YR 4/1		17			SP					VL			TL	
FR		50	110	025	BC	10YR 4/1		14			SP					VL			TL	
FR	A	45	050	030	B1	10YR 4/1		06			N					VL			TL	
FR	A	35	030	035	B1	10YR 4/1		15			P		VL						TL	
FR	A	25	025	035	BC	10YR 4/1		13			P		VL						TL	
FR	A	30	025	035	BC	10YR 4/1		13			P		VL						TL	
FR	A	30	035	045	B1	10YR 4/1		15			P		INT						TL	
FR	A	35	350	020	BC	10YR 4/1		17			P								TL	
				025	B1	10YR 4/1		17			P		VL						TL	
FR		45	310	025	BC	10YR 4/1		16			N		VL						TL	
FR		45	310	025	BC	10YR 4/1		13			P								TL	

SOIL

DENO1

VENTURE NUMBER	VENTURE NAME	SAMPLED DAY	MONTH	YEAR	BY	ASSTD. BY
V243		07	07	8?	TAH	AAE

COMPANY	PROPERTY
PRIPLACER DOME INC	BALL CTE

Todd Hagerman
Adrienne Ross

AZIMUTH OF +VE EAST OF

GRID

SAMPLE I.D. — OR — LINE (2–8)	SAMPLE NO. — OR — STATION (9–15)	ELEVATION (16–19)	(20–21)	NORTH CO-ORDINATE (22–28)	EAST CO-ORDINATE (29–34)	LOCAL TERRAIN (35–36)	SECONDARY ENVIRONMENT (37–38)	FACTORS AFFECTING CONDITIONS (39–40)
1700V	2000S					SS	BS	
1700W	2040S			July 7th snow cover		ST		
1700W	2080S					ST		
1700W	2120S			July 9th snow cover				
1700W	2160S					SS		
1700W	2200S					SS		
1700V	2240S					SS		
1700W	2280S					SS		
1700W	2320S					SS		
1700W	2360S	snowcover						
1700W	2430S					SS		
1700W	24[illegible]S					SS		
1700W	24[illegible]S			snow covered				
1700W	2520S					SS	GV	
1700W	2560S					S[illegible]		
1700W	2600S					SS		
1700W	2640S					ST		
17[illegible]W	[illegible]S			July [illegible] snow cover				
1700W	2[illegible]0S					SS		
1700W	2140S			[illegible] surface sample		SS		
1700W	[illegible]					SS		
1700W	2[illegible]					SS		
[illegible]	[illegible]					SS		
[illegible]	[illegible]					SS		
[illegible]	[illegible]					SS	SP	

WEATHER	N. T. S.	SHEET No.	of
		01	

OR PROJECT AND SUB PROJECT

GRID 000 TRUE NORTH	UTM CO-ORDINATES OF GRID ORIGIN: NORTHING	EASTING	ELEVATION

SITE	DRAINAGE	VEGETATION	SLOPE	SLOPE DIRECTION	SAMPLE DEPTH	HORIZON SAMPLED	COLOR	% CLAY	% SILT	% SAND	% GRAVEL	% ORGANICS	MAX. PART SIZE	% PARTICLES	COATINGS	COATINGS	ROCK FRAGMENTS TYPE 1 / TYPE 2 / TYPE 3	PARENT MATERIAL	% RESIDUAL
1	M	A		280	30	B1	54	2	6	0	1	1	0		0		BS	CL	9
1	P	0	0		020	B1	5U	1	7	1	1		0		FE		BS + plag porphyry	CL	1
F	R	0	16	0[illegible]	010	BC	54	[illegible]	[illegible]	[illegible]	9		0		FE		plag porphyry	TL	9
F	R	A	1[illegible]	120	030	B1	54	0	1	0	2	1						CL	9
F	R	0	20	126	035	B1	54	0	2	2	6	[illegible]	M				plag porphyry	TL	9
F	R	A	10	074	030	B1	54	0	7	0	2	1	0				FAV	CL	9
F	R	A	25	1[illegible]	030	B1	54	0	7	[illegible]	2	1	P				plag porphyry	CL	9
F	R	A	20	100	030	B1	54	[illegible]	[illegible]	[illegible]	3	1	0		FE		[illegible]	CL	9
F	R	A	16	120	030	B1	54	6	8	0	1	1	W					CL	9
F	R	A	24	110	06E	AC	54	[illegible]	1	0	8	1	S				plag porphyry	CL	9
F	R	A	10	120	02[illegible]	B1	54	[illegible]	[illegible]	[illegible]	3	1	F					CL	9
F	R	0	20	150	01[illegible]		54	[illegible]	2	2	6	[illegible]	[illegible]				plag porphyry	TL	9
E	X		30	[illegible]	025		54	0	1	3	6	0	N		FE		VL		
																	[illegible]	T	9
F	R	A	2[illegible]	150	025	B1	54	7	9	1	[illegible]	[illegible]	[illegible]				FAV	CL	9
F	R	0	10	140	005		54	6	4	[illegible]	6		[illegible]		FE			TL	9
F	R	A	2[illegible]	15[illegible]	02[illegible]	B1	54	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]		FE			TL	9
F	R	A	22	150	030	B1	54	[illegible]	5	0	5	[illegible]	[illegible]		FE			TL	9
F	R	A	3[illegible]	15[illegible]	[illegible]	B1	54	[illegible]	[illegible]	[illegible]	4		[illegible]	1	FE		plag porphyry	TL	9
F	R	A	3[illegible]	15[illegible]	[illegible]	B1	54	0	0	0	3	1	0		FE		[illegible]	CL	9
F	R	[illegible]	[illegible]	190	030	B1	55										AEV		

OIL

VENTURE NUMBER: 12243 | VENTURE NAME | SAMPLED: DAY 07 MONTH JULY YEAR 89 BY TAM ASSTD. BY AAR

COMPANY: BARRICK GOLDSTRIKE MINES INC. | PROPERTY

Todd Hagerman
Adrienne Ross

AZIMUTH OF +VE EAST OF

WEATHER: SUNNY-MEDIATELY CLEAR | N. T. S. | SHEET No. of

OR PROJECT AND SUB PROJECT: BARRICK

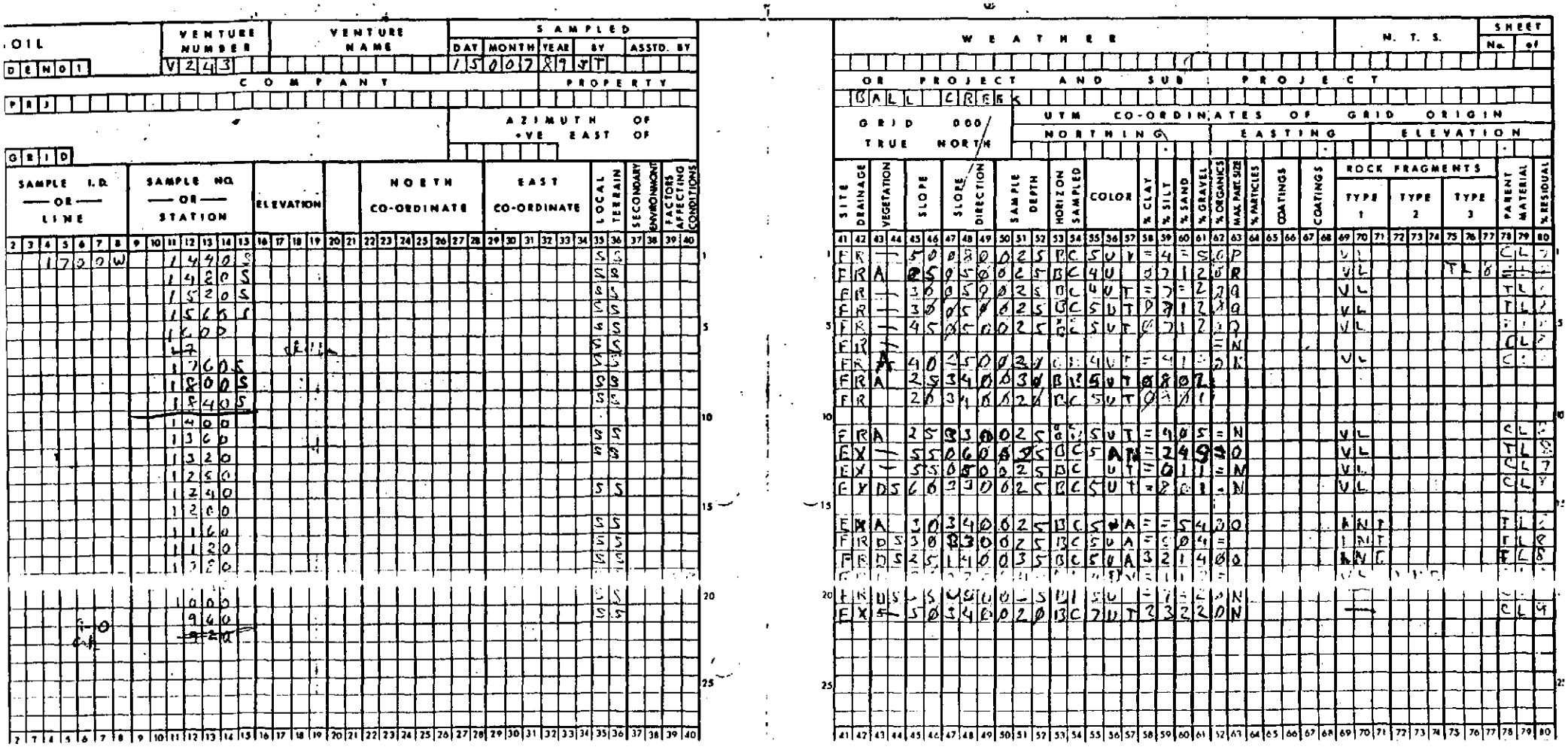
GRID 000 TRUE NORTH

UTM CO-ORDINATES OF GRID ORIGIN: NORTHING | EASTING | ELEVATION

SAMPLE I.D. — OR — LINE	SAMPLE NO. — OR — STATION	ELEVATION	NORTH CO-ORDINATE	EAST CO-ORDINATE	LOCAL TERRAIN	SECONDARY ENVIRONMENT	FACTORS AFFECTING CONDITIONS
700W	30805				SS	SP	
700W	31005		Rock Collect		SS		
700W	31605				SS		
700W	32005				SS		

Line can be continued down to bull rock

SITE	DRAINAGE	VEGETATION	SLOPE	SLOPE DIRECTION	SAMPLE DEPTH	HORIZON SAMPLED	COLOR	% CLAY	% SILT	% SAND	% GRAVEL	% ORGANICS	MAX. PART. SIZE	% PARTICLES	COATINGS	COATINGS	ROCK FRAGMENTS TYPE 1	ROCK FRAGMENTS TYPE 2	ROCK FRAGMENTS TYPE 3	PARENT MATERIAL	% RESIDUAL
FR	A		15	15	0	30	BR	5YR				2	2M				FR				
FR	A		30	125	030	BC	5YR					10		FE							
FR	D		30	10	5		BC	5YR				10		FE			VL				
FR	AP		26	12	3	01	0	BR	1	5YR			10		MN	FE	FRV				


SOIL
VENTURE NUMBER
VENTURE NAME
SAMPLED
DAY MONTH YEAR BY
ASSTD. BY
COMPANY PROPERTY
AZIMUTH OF +VE EAST OF
GRID
SAMPLE I.D. — OR — LINE
SAMPLE NO. — OR — STATION
ELEVATION
NORTH CO-ORDINATE
EAST CO-ORDINATE
LOCAL TERRAIN
SECONDARY ENVIRONMENT
FACTORS AFFECTING CONDITIONS
WEATHER
N. T. S.
SHEET
OR PROJECT AND SUB PROJECT
GRID TRUE NORTH
UTM CO-ORDINATES OF GRID ORIGIN
NORTHING
EASTING
ELEVATION
SITE DRAINAGE
VEGETATION
SLOPE
SLOPE DIRECTION
SAMPLE DEPTH
HORIZON SAMPLED
COLOR
% CLAY
% SILT
% SAND
% GRAVEL
% ORGANICS
MAX PART. SIZE
% PARTICLES
COATINGS
COATINGS
ROCK FRAGMENTS
TYPE 1
TYPE 2
TYPE 3
PARENT MATERIAL
% RESIDUAL

SOIL

IDENTIFICATION

VENTURE NUMBER: V0443

VENTURE NAME: BALL CREEK

SAMPLED: DAY | MONTH | YEAR: 89 | BY: TAH | ASSTD. BY: AAR

COMPANY

PROPERTY

PROJECT PLACER DRDG INC

Samplers: Todd Hagamon + Adrienne Ross

AZIMUTH OF +VE EAST OF GRID TRUE NORTH: 000

WEATHER: POURING RAIN

N. T. S.

SHEET No. 01

OR PROJECT AND SUB PROJECT

UTM CO-ORDINATES OF GRID ORIGIN: NORTHING | EASTING | ELEVATION

SAMPLING

FLAG	SAMPLE I.D. — OR — LINE	SAMPLE NO. — OR — STATION	ELEVATION	NORTH CO-ORDINATE	EAST CO-ORDINATE	LOCAL TERRAIN	SECONDARY ENVIRONMENT	FACTORS AFFECTING CONDITIONS
K	1	26				SS		
	2	25				SS		
K	3	24				SS		
	4	23				SS		
	5	22	Rock Soil differentiation			SS		
	6	21				SS		
	7	20	Rock bank alluvial with slight FE			SS		
	8	19	steep slope above stream			SL		

SITE

SITE	DRAINAGE	VEGETATION	SLOPE	SLOPE DIRECTION	SAMPLE DEPTH	HORIZON SAMPLED	COLOR	% CLAY	% SILT	% SAND	% GRAVEL	% ORGANICS	MAX. PART. SIZE	% PARTICLES	COATINGS	COATINGS	ROCK FRAGMENTS TYPE 1	ROCK FRAGMENTS TYPE 2	ROCK FRAGMENTS TYPE 3	PARENT MATERIAL	% RESIDUAL
1	R	P	25	10	0 30	B L	6 4	0	6	1		1	2							C	M
2	R	P	40	070	0 30	B L	6 4	0	8	1		2	2		F	E	F	N	(See Note A)	C	L
3	R	P	10	090	0 30	B L	5 4	0	5	4		1	2		F	E	F	N		C	L
4	R	P	30	095	0 35	B L	4 4	0	3	6		1	2		F	E	V	L	P (See Note B)	C	L
5	R	P	24	068	025	R L	5 4										V	L		C	L
6	R	P	20	030	030	B L	3 4	C	S	L		2	2		F	E	V	L		C	L
7	R	P			035	B L	6 4	T	1	S	V	4	1				V	L	(See Note C)	C	L
8																					

SOIL

DEND1

PROJD1

GRID

VENTURE NUMBER: V243

VENTURE NAME:

SAMPLED: DAY 01 MONTH 07 YEAR 89 BY JT ASSTD. BY JD

COMPANY

PROPERTY: RAIL CK

AZIMUTH OF +VE EAST OF

WEATHER: SUNNY + WARM

N. T. S.

SHEET No. 1 of 1

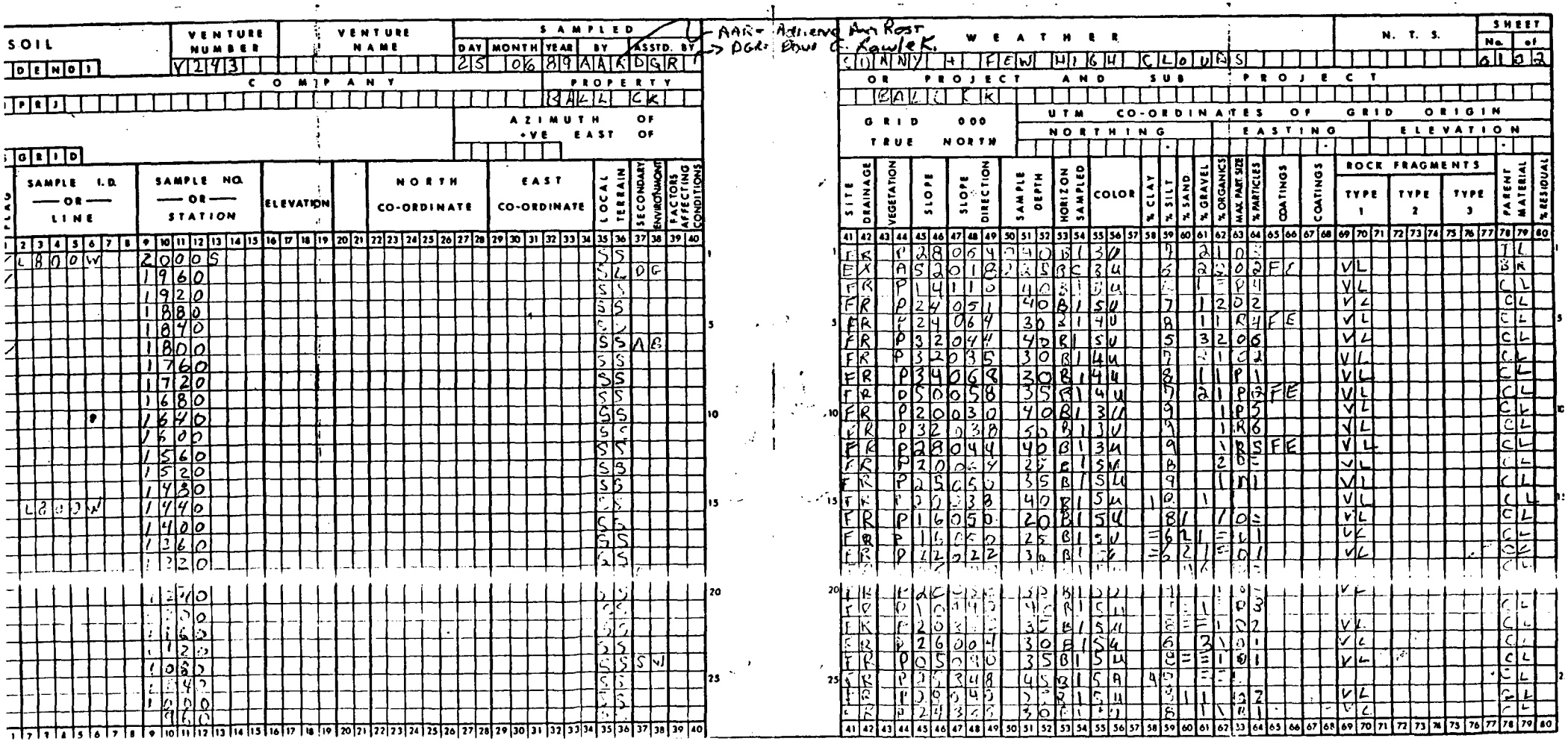
OR PROJECT AND SUB PROJECT

GRID 000 TRUE NORTH

UTM CO-ORDINATES OF GRID ORIGIN: NORTHING / EASTING / ELEVATION

SAMPLE I.D. — OR — LINE	SAMPLE NO. — OR — STATION	ELEVATION	NORTH CO-ORDINATE	EAST CO-ORDINATE	LOCAL TERRAIN	SECONDARY ENVIRONMENT	FACTORS AFFECTING CONDITIONS
800W	2400S						
	2440						
	2480						
	2520						
	2560						
	2600						
	2640	LEFT BANK OF SMALL DRAW (DRY)					
	2680	TOP OF V SMALL DRAW VERY RELIEF					
	2720						
	2760						
	2800						

SITE	DRAINAGE	VEGETATION	% SLOPE	SLOPE DIRECTION	SAMPLE DEPTH	HORIZON SAMPLED	COLOR	% CLAY	% SILT	% SAND	% GRAVEL	% ORGANICS	MAX. PART. SIZE	% PARTICLES	COATINGS	COATINGS	ROCK FRAGMENTS TYPE 1	ROCK FRAGMENTS TYPE 2	ROCK FRAGMENTS TYPE 3	PARENT MATERIAL	% RESIDUAL
FX	C		40	064	060	B2	5YR 5/6	07	12	00	00	N					VOL				
FX	C		45	042	060	BC	5YR 5/6	02	14	00	00	N					VOL				
FR	C		35	085	060	B2	5YR 5/6	08	12	00	00	N					VOL				
FR	C		25	045	050	B1	5YR 5/6	09	11	00	00	N					VOL				
FR	C		30	045	035	B2	5YR 5/6	08	11	01	00	N					VOL				
FR	C		35	060	035	B2	5YR 5/6	11	07	12	00	P									
FR	C		15	260	030	B1	5YR 5/6	11	09	00	00	N									
LM	C		05	060	030	B1	5YR 5/6	08	11	01	00	N									
FR	C		30	065	035	B1	5YR 5/6	11	07	12	00	N					VOL				
FR	C		30	075	035	B1	5YR 5/6	11	09	00	00	N									
FR	C		30	11	035	B1	5YR 5/6	07	11	12	00	N									


SOIL
VENTURE NUMBER
VENTURE NAME
SAMPLED
DAY
MONTH
YEAR
BY
ASSTD. BY
AAR= Adrienne Rost
DGR= Doug Rawlek
WEATHER
N. T. S.
SHEET
No.
of
COMPANY
PROPERTY
OR PROJECT AND SUB PROJECT
GRID
TRUE NORTH
AZIMUTH OF +VE EAST OF
UTM CO-ORDINATES OF GRID ORIGIN
NORTHING
EASTING
ELEVATION
SAMPLE I.D. — OR — LINE
SAMPLE NO. — OR — STATION
ELEVATION
NORTH CO-ORDINATE
EAST CO-ORDINATE
LOCAL TERRAIN
SECONDARY ENVIRONMENT
FACTORS AFFECTING CONDITIONS
SITE DRAINAGE
VEGETATION
SLOPE
SLOPE DIRECTION
SAMPLE DEPTH
HORIZON SAMPLED
COLOR
% CLAY
% SILT
% SAND
% GRAVEL
% ORGANICS
MAX. PART. SIZE
% PARTICLES
COATINGS
COATINGS
ROCK FRAGMENTS
TYPE 1
TYPE 2
TYPE 3
PARENT MATERIAL
% RESIDUAL

SOIL

DEN01

VENTURE NUMBER: V2413

VENTURE NAME:

SAMPLED: DAY 25 MONTH 06 YEAR 79 BY ANR ASSTD. BY CS LT

COMPANY

PROPERTY: BALL CK

PROJ

GRID

AZIMUTH OF +VE EAST OF

WEATHER

N. T. S.

SHEET No. 02 of 02

OR PROJECT AND SUB PROJECT: Back CK

GRID 000 TRUE NORTH

UTM CO-ORDINATES OF GRID ORIGIN: NORTHING / EASTING / ELEVATION

SAMPLE I.D. — OR — LINE	SAMPLE NO. — OR — STATION	ELEVATION	NORTH CO-ORDINATE	EAST CO-ORDINATE	LOCAL TERRAIN	SECONDARY ENVIRONMENT	FACTORS AFFECTING CONDITIONS
L3003	9205				VV		
L8003	8805				VV	D G	
L8003	8405				SG	G	
L8003	8005						

SITE DRAINAGE	VEGETATION	SLOPE	SLOPE DIRECTION	SAMPLE DEPTH	HORIZON SAMPLED	COLOR	% CLAY	% SILT	% SAND	% GRAVEL	% ORGANICS	MAX PART SIZE	% PARTICLES	COATINGS	COATINGS	ROCK FRAGMENTS TYPE 1	ROCK FRAGMENTS TYPE 2	ROCK FRAGMENTS TYPE 3	PARENT MATERIAL	% RESIDUAL
R	P	36	340	0	B	5YR 4/4			34	5		10	3						CV	
F	P	36	340	0	B	5YR 5/4						2	1						CV	
F	P	36	340	0	B	5YR 4/4						5	1						CV	
R	P	36	340	0	B	5YR 4/4						10	3						CV	

SOIL

IDENTIFICATION

PROJECT

VENTURE NUMBER: V12453

VENTURE NAME: PHA CLK

SAMPLED: DAY | MONTH: 07 | YEAR: 89 | BY: JTP | ASSTD. BY: TAH

COMPANY

PROPERTY

GRID

AZIMUTH OF +VE EAST OF

WEATHER: cloud sunny!

N. T. S.

SHEET No. 2 of 2

OR PROJECT AND SUB PROJECT

GRID TRUE NORTH

UTM CO-ORDINATES OF GRID ORIGIN

NORTHING | EASTING | ELEVATION

FLAG	SAMPLE I.D. — OR — LINE	SAMPLE NO. — OR — STATION	ELEVATION		NORTH CO-ORDINATE	EAST CO-ORDINATE	LOCAL TERRAIN	SECONDARY ENVIRONMENT	FACTORS AFFECTING CONDITIONS
	9 U D W	9 2 0					S S		
		8 8 0	Ox = Andosolic compl/irr. feature				S S		
		8 4 0					S S		

SITE DRAINAGE	VEGETATION	SLOPE	SLOPE DIRECTION	SAMPLE DEPTH	HORIZON SAMPLED	COLOR	% CLAY	% SILT	% SAND	% GRAVEL	% ORGANICS	MAX. PART. SIZE	% PARTICLES	COATINGS	COATINGS	ROCK FRAGMENTS TYPE 1	ROCK FRAGMENTS TYPE 2	ROCK FRAGMENTS TYPE 3	PARENT MATERIAL	% RESIDUAL
R	P	3	2	2	B	3													C	L
R	PF	4	0	3	2	4	2	4	2	4									C	L
R	PF	3	0	2	2	7	1	5	1	2									C	L

SOIL

DENDI

VENTURE NUMBER: V2478

VENTURE NAME: Hamill Creek

SAMPLED: DAY | MONTH: Oct | YEAR: 87 | BY: JP | ASSTD. BY: TAH

COMPANY: PRJ Placer Dev Ltd

PROPERTY: Hamill Creek

AZIMUTH OF +VE EAST OF

GRID

SAMPLE I.D. — OR — LINE	SAMPLE NO. — OR — STATION	ELEVATION		NORTH CO-ORDINATE	EAST CO-ORDINATE	LOCAL TERRAIN	SECONDARY ENVIRONMENT	FACTORS AFFECTING CONDITIONS
	1					S		
	2					S		
	3					S		
	4					S		
	5					S		
	6					S		
	7					S		
	8					S		
	9					S		
	10					S		
	11					S		
	12					S		
	13					S		
	14					S		
	15					S		
	16					S		
	17					S		
	18					S		
	19					S		
	20					S		
	21					S		
	22					S		
	23					S		
	24					S		
	25					S		
	26					S		
	27					S		
	28					S		
	29					S		
	30					S		
	31					S		
	32					S		
	33					S		
	34					S		
	35					S		
	36					S		
	37					S		
	38					S		
	39					S		
	40					S		

Omineca's SIDE board.

old creek camp

WEATHER: cloudy + rain

N. T. S.

SHEET No. 1 of 2

OR PROJECT AND SUB PROJECT

GRID 000 TRUE NORTH

UTM CO-ORDINATES OF GRID ORIGIN

NORTHING | EASTING | ELEVATION

SITE	DRAINAGE	VEGETATION	SLOPE	SLOPE DIRECTION	SAMPLE DEPTH	HORIZON SAMPLED	COLOR	% CLAY	% SILT	% SAND	% GRAVEL	% ORGANICS	MAX. PART. SIZE	% PARTICLES	COATINGS	COATINGS	ROCK FRAGMENTS TYPE 1	ROCK FRAGMENTS TYPE 2	ROCK FRAGMENTS TYPE 3	PARENT MATERIAL	% RESIDUAL
1	R	P	3	6	3	B	3					1					AV				
2	R	P	3	1	3	B	4					0					AV				
3	R	P	3		3	B	5					0					AV				
4	R	P	3	2	3	B	4					0					AV				
5	R	P	3	3	3	B	5					0					AV				
6	R	P	4	0	3	B	5					0					AV				
7	R	P	4	0	3	B	5					0					AV				
8	R	P	1	0	2	B	6	0	0	7	0	0	P				AV				9
9	R	P	4	0	1	B	5					0					AV				
10	R	P	1	0	2	B	5					0					BS				
11	R	P			2	B	5					0					AND				
12	R	P	1	3	2	B	5					0									
13	R	P	1	5	2	B	4					0									
14	R	P	2	8	2	B	5	0		6		0		2							
15	R	P	1	4	0	B	5					0					IN +				
16	R	P	8	0	0	B	5	0	1	6		2		2							
17	R	P	2	2	0	2	5	B	1	5	0	1	8								
18	R	P	0	9	0	2	5	B	1	5	0	1	8								
19	R	P	1	0	0	2	5	B	1	5	0	1	8								
20	R	P	0	1	0	2	5	B	1	5	0	1	8								
21	R	P	0	0	2	3	0	2	5	B	1	5	0	1	8						
22	R	P	2	6	3	1	0	2	5	B	1	5	0		8						
23	R	P	F	2	5	2	0	2	0	B	1	5	0	0	8						
24	R	P	F	5	8	0	9	4	3	2	5	B	1	5	0	2	0	7			
25	R	P	F	3	6	3	4	2	0	2	5	B	1								
26	R	P	F	3	6	9	3					B	2								
27																					
28																					
29																					
30																					
31																					
32																					
33																					
34																					
35																					
36																					
37																					
38																					
39																					
40																					
41																					

SOIL

IDENTI

VENTURE NUMBER: V 8 4 3

VENTURE NAME

SAMPLED: DAY 16 | MONTH | YEAR | BY | ASSTD. BY

COMPANY

PROPERTY

IPRJ

Todd Hargrave

Adrienne Ross

AZIMUTH OF +VE EAST OF

GRID

WEATHER: [illegible] Rainy Cloudy

N. T. S.

SHEET No. 011 of

OR PROJECT AND SUB PROJECT

GRID 000 TRUE NORTH

UTM CO-ORDINATES OF GRID ORIGIN

NORTHING | EASTING | ELEVATION

FLAG	SAMPLE I.D. — OR — LINE	SAMPLE NO. — OR — STATION	ELEVATION	NORTH CO-ORDINATE	EAST CO-ORDINATE	LOCAL TERRAIN	SECONDARY ENVIRONMENT	FACTORS AFFECTING CONDITIONS
1	2 3 4 5 6 7 8	9 10 11 12 13 14 15	16 17 18 19	20 21 22 23 24 25 26 27 28	29 30 31 32 33 34	35 36	37 38	39 40

Rocky Outcrop Forest

SITE	DRAINAGE	VEGETATION	SLOPE	SLOPE	DIRECTION	SAMPLE DEPTH	HORIZON SAMPLED	COLOR	% CLAY	% SILT	% SAND	% GRAVEL	% ORGANICS	MAX PART SIZE	% PARTICLES	COATINGS	COATINGS	ROCK FRAGMENTS TYPE 1	ROCK FRAGMENTS TYPE 2	ROCK FRAGMENTS TYPE 3	PARENT MATERIAL	% RESIDUAL
41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80

OIL

VENTURE NUMBER

VENTURE NAME

SAMPLED — DAY | MONTH | YEAR | BY | ASSTD. BY

COMPANY

PROPERTY

Adrienne Ross
Todd Wojtanowicz

AZIMUTH OF +VE EAST OF

GRID

SAMPLE I.D. — OR — LINE

SAMPLE NO. — OR — STATION

ELEVATION

NORTH CO-ORDINATE

EAST CO-ORDINATE

LOCAL TERRAIN

SECONDARY ENVIRONMENT

FACTORES AFFECTING CONDITIONS

See note

See note A

Second B
Second C

Tales note

WEATHER

N. T. S.

SHEET No. of

OR PROJECT AND SUB PROJECT

GRID 000 TRUE NORTH

UTM CO-ORDINATES OF GRID ORIGIN

NORTHING

EASTING

ELEVATION

SITE DRAINAGE

VEGETATION

SLOPE

SLOPE DIRECTION

SAMPLE DEPTH

HORIZON SAMPLED

COLOR

% CLAY

% SILT

% SAND

% GRAVEL

% ORGANICS

MAX. PART. SIZE

% PARTICLES

COATINGS

COATINGS

ROCK FRAGMENTS — TYPE 1 | TYPE 2 | TYPE 3

PARENT MATERIAL

% RESIDUAL

SOIL

D E N D 1

P R J

G R I D

VENTURE NUMBER	VENTURE NAME	SAMPLED DAY	SAMPLED MONTH	SAMPLED YEAR	SAMPLED BY	SAMPLED ASSTD. BY

COMPANY | PROPERTY

AZIMUTH OF +VE EAST OF

SAMPLE I.D. — OR — LINE	SAMPLE NO. — OR — STATION	ELEVATION		NORTH CO-ORDINATE	EAST CO-ORDINATE	LOCAL TERRAIN	SECONDARY ENVIRONMENT	FACTORS AFFECTING CONDITIONS
2 3 4 5 6 7 8	9 10 11 12 13 14 15	16 17 18 19	20 21	22 23 24 25 26 27 28	29 30 31 32 33 34	35 36	37 38	39 40
102 W	3080 S		See back			SL		

WEATHER | N. T. S. | SHEET No. of

OR PROJECT AND SUB PROJECT

GRID 000 TRUE NORTH

UTM CO-ORDINATES OF GRID ORIGIN

NORTHING | EASTING | ELEVATION

SITE DRAINAGE	VEGETATION	SLOPE	SLOPE DIRECTION	SAMPLE DEPTH	HORIZON SAMPLED	COLOR	% CLAY	% SILT	% SAND	% GRAVEL	% ORGANICS	MAX PART. SIZE	% PARTICLES	COATINGS	COATINGS	ROCK FRAGMENTS TYPE 1	ROCK FRAGMENTS TYPE 2	ROCK FRAGMENTS TYPE 3	PARENT MATERIAL	% RESIDUAL
41 42	43 44	45 46	47 48 49	50 51 52	53 54	55 56 57	58 59 60	61 62	63 64	65 66	67 68	69 70 71	72 73 74	75 76 77	78 79	80				
FRA	60	35	5	0	10	XC 6 4														
						A1 3 4	06	02	20								FEP			TL

1 5 10 15 20 25

SOIL — DEN01

VENTURE NUMBER	VENTURE NAME	SAMPLED DAY	MONTH	YEAR	BY	ASSTD. BY
V243		08	07	89	DGR	

COMPANY	PROPERTY
PRJ PDI	RAIN Ch

GRID — AZIMUTH OF +VE EAST OF

WEATHER: OVERCAST + LIGHT SHOWERS + SUNNY

N.T.S. — SHEET No. 01 of 02

OR PROJECT AND SUB PROJECT

GRID 000 TRUE NORTH — UTM CO-ORDINATES OF GRID ORIGIN: NORTHING / EASTING / ELEVATION

Row	SAMPLE I.D. OR LINE	SAMPLE NO. OR STATION	ELEVATION	NORTH CO-ORDINATE	EAST CO-ORDINATE	LOCAL TERRAIN	SECONDARY ENVIRONMENT	FACTORS AFFECTING CONDITIONS
1	1100W	2000S				SS		
		1960				SS		
		1920				SS		
		1880				SS		
5		1840				SS		
		1800				SS		
		1760				[illegible]	6D	
		1720				SS	6D	
		1680				SS		
10		1640				SS		
		1600				SS		
		1560				SS		
		1[illegible]0				SS		
		1[illegible]0				SS	6D	
15		1[illegible]0				[illegible]	[illegible]	
		1400				SS		
	NEXT DAY: JULY 9/89							
20		1[illegible]20				SS		
		1[illegible]0				[illegible]		
		1240				SS		
		1200				SS		
		1160				SS		
25		1120				SS		
		1080				SS		
		1040				SS		

Row	SITE	DRAINAGE	VEGETATION	SLOPE	SLOPE DIRECTION	SAMPLE DEPTH	HORIZON SAMPLED	COLOR	% CLAY	% SILT	% SAND	% GRAVEL	% ORGANICS	MAX. PART. SIZE	% PARTICLES	COATINGS	ROCK FRAGMENTS TYPE 1	TYPE 2	TYPE 3	PARENT MATERIAL	% RESIDUAL
1	F	R	A	25	060	35	C1	5U		8	1	1		P	1		VL				
	F	R	A	25	060	35	B1	5U		7	1	2		Q	1		VL				
	F	R	A	15	060	45	B1	4U		8	1	1		D	[illegible]		VL				
	F	R	A	25	057	40	B1	4U		7		2		Q	3		VL				
5	F	R	A	20	074	40	B1	4U		8		1	1	O	–		VL				
	F	R	A	25	062	45	B1	4U		9		1		Q	2		VL				
	F	L		[illegible]	[illegible]	40	B1	5U		[illegible]	2	[illegible]	1	O	4		VL				
	F	R		35	065	40	B1	5U		5		3	1	O	4		VL				
	F	L	A	[illegible]	[illegible]	30	B1	[illegible]		9	=	=		R	1		VL				
10	F	R	A	20	055	35	B1	4U		9	=	=		P	1		VL				
	F	R	A	20	060	40	B1	4U		9			1	P	1		VL				
	F	R	A	25	054	40	B1	4U		9			1	P	1		VL				
	F	R	A	[illegible]	[illegible]	40	B1	4U		7		2	1	P	2		VL				
	F	R		35	040	35	B1	5U		7	1	2		Q	3		VL				
15	F	R		31	037	30	[illegible]	[illegible]		[illegible]				Q			VL				
	F	R	A	20	040	35	F1	4U		[illegible]		2	1	Q	2		VL				
20	F	N	P	05	014	30	B1	4N		1			1	[illegible]	=		VL				
	F	R	V	24	270	35	B1	4N	1	5		1		A	=		VL				
	F	R	P	20	330	[illegible]	B1	4U		[illegible]		1	1	[illegible]	-		L				
	F	R	P	[illegible]	[illegible]	40	B1	4U		9		-	=	O	=		L				
	F	R	P	30	354	35	B1	5U		1			1	N	=		VL				
25	F	R	P	38	276	40	B1	5U		9		1		[illegible]	=		VL				
	F	R	P	32	330	35	B1	5U		9			1	N	=		VL				
	F	R	P	37	310	35	B1	5U		9		=	[illegible]	V	=		V				

SOIL

DRNO 1

VENTURE NUMBER: 1243

VENTURE NAME:

SAMPLED: DAY 06 | MONTH 07 | YEAR 89 | BY DGR | ASSTD. BY

COMPANY

PROPERTY

PRJ: PAZ | BAIE CR

GRID

AZIMUTH OF +VE EAST OF

SAMPLE I.D. — OR — LINE	SAMPLE NO. — OR — STATION	ELEVATION		NORTH CO-ORDINATE	EAST CO-ORDINATE	LOCAL TERRAIN	SECONDARY ENVIRONMENT	FACTORS AFFECTING CONDITIONS
1	1					SS		
1	1			00	00 S	SS		
1	1			96	6 S	GV		BT?
1	1			92	0 S			
1	1			88	0 S			

WEATHER: HIGH OVERCAST + SNOW

N. T. S.

SHEET No. 02 of 02

OR PROJECT AND SUB PROJECT

GRID 000 TRUE NORTH

UTM CO-ORDINATES OF GRID ORIGIN: NORTHING | EASTING | ELEVATION

SITE DRAINAGE	VEGETATION	SLOPE	SLOPE DIRECTION	SAMPLE DEPTH	HORIZON SAMPLED	COLOR	% CLAY	% SILT	% SAND	% GRAVEL	% ORGANICS	MAX. PART. SIZE	% PARTICLES	COATINGS	COATINGS	ROCK FRAGMENTS TYPE 1	TYPE 2	TYPE 3	PARENT MATERIAL	% RESIDUAL
ER	P	30	252	46	B1	5U		8	1	1	P	1				VU				
ER	P	36	002	35	B1	5U		6	1	2	1	0	1			VU				
ER	U	42	326	40	B1	4U		7	1	2	P	2				VU				
ER	P	34	310	35	B	5U		7	1	2		P	1			VU				

OIL

VENTURE NUMBER

VENTURE NAME

SAMPLED: DAY | MONTH | YEAR | BY | ASSTD. BY

WEATHER

N. T. S.

SHEET: No. | of

ENO1

2 8 0 6 8 9 JP JR

sunny & HOT

COMPANY

PROPERTY

RIPDI

BAII CK

OR PROJECT AND SUB PROJECT

AZIMUTH OF +VE EAST OF

GRID 000 TRUE NORTH

UTM CO-ORDINATES OF GRID ORIGIN

NORTHING | EASTING | ELEVATION

RID

SAMPLE I.D. — OR — LINE	SAMPLE NO. — OR — STATION	ELEVATION	NORTH CO-ORDINATE	EAST CO-ORDINATE	LOCAL TERRAIN	SECONDARY ENVIRONMENT	FACTORS AFFECTING CONDITIONS
200W	2000				SS		
	2004				SS		
	2008				SS		
	2012				SS		
	2016				SS		
	2020				SS		
	2024				TR		
	2028				TR		
	2032				SS		
	2036				SS		
	2040				SS		
	2044				SS		
	2048				SS		
	2052				SS		
	2056				SS		
	2060				SS		
	2064				SS		
	2068				SS		
	2072				SS		
	2076				SS		
	2080				SS		
	2084				SS		
	2088				SS		
	2092				SS		
	2096				SS		
	2100				SS		
	2104				SS		
	2108				SS		
	2112				SS		
	2116				SS		
	2120				SS		
	2124				SS		
	2128				SS		
	2132				SS		
	2136				SS		
	2140				SS		
	2144				SS		
	2148				SS		
	2152				SS		
	2156				SS		
	2160				SS		
	2164				SS		
	2168				SS		
	2172				SS		
	2176				SS		
	2180				SS		
	2184				SS		
	2188				SS		
	2192				SS		
	2196				SS		
	2200				SS		
	2204				SS		
	2208				SS		
	2212				SS		
	2216				SS		
	2220				SS		
	2224				SS		
	2228				SS		
	2232				SS		
	2236				SS		
	2240				SS		
	2244				SS		
	2248				SS		
	2252				SS		
	2256				SS		
	2260				SS		
	2264				SS		
	2268				SS		
	2272				SS		
	2276				SS		
	2280				SS		

Cold VII

hills

hills

SITE DRAINAGE	VEGETATION	SLOPE	SLOPE DIRECTION	SAMPLE DEPTH	HORIZON SAMPLED	COLOR	% CLAY	% SILT	% SAND	% GRAVEL	% ORGANICS	MAX. PART. SIZE	% PARTICLES	COATINGS	COATINGS	ROCK FRAGMENTS TYPE 1	ROCK FRAGMENTS TYPE 2	ROCK FRAGMENTS TYPE 3	PARENT MATERIAL	% RESIDUAL
EX		35	060	15	BC	3A	26		2		52					VI	P			
FR	A	40	060	31	B1	4U	18		2		1					VI	P			
FR	PA	14	080	10	B1	4U	18		2		1					VI				
FR	PA	40	288	15	B1	4U	17		2		2					VI	P			
FR	PA	36	880	20	B1	4U	17		2		2					VI				
FR	PA	14	080	20	B1	4U	19		2		2					VI				
FR		05	118	20	B1	5U	18		1		1									
EM		04	164	20	B1	5UC	19		1		1					VI				
FR		20	242	15	B1	5U	17		2		2									
FR		10	586	15	B1	4U	18		1		2					VI	P			
FR		22	044	20	B1	4U	17		2		2					VI	P			
LM		04	068	15	B1	4U	24	22	2		4									
CL		22	061	20	B1	5U	17		2		4									
EX		12	856	25	BC	5A	24		4		5					VI	P			
EX		48	764	05	BC	5BU	26		2		5									
EX		40	864	15	BC	5U	16		2		5									
FR	A	24	072	20	B1	4U	24		4		4					VI	P			
FR	P	24	070	15	B1	4U	18		1		4					VI				
EX		26	140	20	BC	5AU	18		1		5					VI				
FR	P	36	159	15	B1	5U	19		1		5									
FR	P	44	136	25	B1	4UA	35		2		4					VI				
FR	P	44	166	20	B1	5U	27		2		5									
FR	P	44	196	20	B1	5UC	18		2		5									
EX		50	026	30	B2	5UC	15		1		5									

SOIL

DENDI

VENTURE NUMBER

VENTURE NAME

SAMPLED: DAY | MONTH | YEAR | BY | ASSTD. BY

28 06 80 JP DR

COMPANY

PROPERTY

PRJ PDI

BAII CK

AZIMUTH OF +VE EAST OF

GRID

SAMPLE I.D. — OR — LINE	SAMPLE NO. — OR — STATION	ELEVATION		NORTH CO-ORDINATE	EAST CO-ORDINATE	LOCAL TERRAIN	SECONDARY ENVIRONMENT	FACTORS AFFECTING CONDITIONS
2 3 4 5 6 7 8	9 10 11 12 13 14 15	16 17 18 19	20 21	22 23 24 25 26 27 28	29 30 31 32 33 34	35 36	37 38	39 40
1200 2	3080					SS		
	3000					SS		
	3012 C					TR		
	3160					TR		
	3200 K					TR		
	3240					SS		

WEATHER

N. T. S.

SHEET No. 02 of 02

OR PROJECT AND SUB PROJECT

GRID 000 TRUE NORTH

UTM CO-ORDINATES OF GRID ORIGIN

NORTHING | EASTING | ELEVATION

SITE DRAINAGE	VEGETATION	SLOPE	SLOPE DIRECTION	SAMPLE DEPTH	HORIZON SAMPLED	COLOR	% CLAY	% SILT	% SAND	% GRAVEL	% ORGANICS	MAX PART. SIZE	% PARTICLES	COATINGS	COATINGS	ROCK FRAGMENTS TYPE 1	ROCK FRAGMENTS TYPE 2	ROCK FRAGMENTS TYPE 3	PARENT MATERIAL	% RESIDUAL
41 42	43 44	45 46	47 48 49	50 51 52	53 54	55 56 57	58	59 60	61	62	63	64	65 66	67 68	69 70 71	72 73 74	75 76 77	78	79 80	
FR	T	58	030	020	B1	4U	=	80	=	1	5	1			V1					
FR	T	41	344	015	B1	4U	1	80	=	=	R	=			V1					
FR	A	05	328	015	B1	4U	1	90		1	0	1			V1					
FR	A	17	272	020	B1	4U	1	91			B				V1					
FR	A?	80	000	015	B1	4U	1	82		1	P	1			V1					
FR	A	34	128	010	B1	6U	=	91		=	R	=			V1					

Helen Creek 451
Kaiser

SOIL

VENTURE NUMBER: V 2 7 5

VENTURE NAME

SAMPLED: DAY 20 | MONTH 06 | YEAR 89 | BY TAH | ASSTD. BY JT

COMPANY

PROPERTY

PLACER DOME INC

TAH-Todd Anthony Hogeboom.
JT-Jeri Taylor

AZIMUTH OF +VE EAST OF

GRID TRUE NORTH

WEATHER: WARM AND SUNNY

N. T. S.

SHEET No. 1 of 1

OD. PROJECT AND SUB PROJECT

CALCRETE

UTM CO-ORDINATES OF GRID ORIGIN: NORTHING | EASTING | ELEVATION

ID	SAMPLE I.D. — OR — LINE	SAMPLE NO. — OR — STATION	ELEVATION	NORTH CO-ORDINATE	EAST CO-ORDINATE	LOCAL TERRAIN	SECONDARY ENVIRONMENT	FACTORS AFFECTING CONDITIONS	SITE DRAINAGE	VEGETATION	SLOPE %	SLOPE DIRECTION	SAMPLE DEPTH	HORIZON SAMPLED	COLOR	% CLAY	% SILT	% SAND	% GRAVEL	% ORGANICS	% MANGANESE	% PARTICLES	COATINGS	COATINGS	ROCK FRAGMENTS TYPE 1	ROCK FRAGMENTS TYPE 2	ROCK FRAGMENTS TYPE 3	PARENT MATERIAL	% RESIDUAL
1	W	1960S				SS			F	R	P	05	XV	50	20	B1	6	U	6	40	00	00	FE		VL			CL	9
2	W	1920S				SS			F	R	P	15	20	20	B1	0	U	2	70	10	0P	=	FE		VL			CL	9
3	W	1880S				SS	SAMPLE OUT		E	X	C	33	18	10	25	B1	6	UT	1	30	10	VP	0			DRT			CL	9
4	W	1840S				SS	TP		E	R	A	20	14	10	15	B1	6	U	0	90	10	00	=	FE		VL			CL	9
5	W	1800S				TP			E	R	A	10	10	10	25	B1	4	UM	3	50	20	0R	I	FE		VL			CL	9
6	W	1760S				TP			E	P	A	05	09	00	25	B2	5	U	0	10	90	00	50	FE					CL	9
7	W	1720S																												
8	W	1680S				SS			E	R	A	30	04	00	20	B1	5	U	1	90	00	00	N	0		FFP			CL	9
9	W	1640S				SS			E	R	A	25	06	00	35	B1	6	U	2	80	00	00	0			VL			CL	9
10	W	1600S				SS	CK		E	X	A	10	01	10	15	B1	5	U	0	80	10	00	01			VL			CL	9
11	W	1560S				SS			E	R	C	15	12	00	15	B1	5	U	0	90	10	00	01			FFP			CL	9
12	W	1520S				SS			E	R	A	10	05	01	05	B1	5	U	2	70	10	00	0			FFP			CL	9
13	W	1480S				SS			E	R	A	15	20	01	55	B1	5	U	3	90	00	00	0						CL	9
14	W	1440S				SS	CK		E	X	A	30	02	00	40	B1	6	U	1	90	00	00	5						CK	9
15	W	1400S				SS			E	R	A	20	07	00	25	B1	5	U	5	90	00	00	0						CL	9
16	W	1360S				SS			E	R	C	15	17	00	30	B1	6	U	0	90	10	00	N	FE					CL	9
17	W	1320S				SS			E	R	A	20	11	50	20	B1	6	U	0	90	10	00	F	FE		SIL?			CL	9
18	W	1280S				SS			E	R	A	10	10	10	25	B1	4	U	1	80	10	00	F						CL	9

SOIL

VENTURE NUMBER: V243

VENTURE NAME:

SAMPLED: DAY 23 | MONTH 8 | YEAR 81 | BY | ASSTD. BY

COMPANY: PROPERTY:

IPRJ FLAGER FIRE

Dave Rawlek
Adrienne Ross

AZIMUTH OF +VE EAST OF

SGRID

WEATHER: Cloudy Overcast

N. T. S.

SHEET No. 1 of 1

OR PROJECT AND SUB PROJECT

GRID 000 TRUE NORTH

UTM CO-ORDINATES OF GRID ORIGIN

NORTHING | EASTING | ELEVATION

PLAG	SAMPLE I.D. — OR — LINE	SAMPLE NO. — OR — STATION	ELEVATION		NORTH CO-ORDINATE	EAST CO-ORDINATE	LOCAL TERRAIN	SECONDARY ENVIRONMENT	FACTORS AFFECTING CONDITIONS
1	2 3 4 5 6 7 8	9 10 11 12 13 14 15	16 17 18 19	20 21	22 23 24 25 26 27 28	29 30 31 32 33 34	35 36	37 38	39 40

SITE DRAINAGE	VEGETATION	SLOPE	SLOPE DIRECTION	SAMPLE DEPTH	HORIZON SAMPLED	COLOR	% CLAY	% SILT	% SAND	% GRAVEL	% ORGANICS	MAX. PART. SIZE	% PARTICLES	COATINGS	COATINGS	ROCK FRAGMENTS TYPE 1	ROCK FRAGMENTS TYPE 2	ROCK FRAGMENTS TYPE 3	PARENT MATERIAL	% RESIDUAL
41 42	43 44	45 46	47 48 49	50 51 52	53 54	55 56 57	58 59 60			61	62 63		64 65 66 67		68	69 70	71 72 73 74	75 76 77	78 79	80

SOIL

IDENOI

VENTURE NUMBER: V243

VENTURE NAME:

SAMPLED: DAY 22 MONTH 06 YEAR 89 BY JPJ ASSTD. BY JT

COMPANT

PROPERTY: BAIL CK

IPRJPDI

AZIMUTH OF +VE EAST OF

SGEID

FLAG	SAMPLE I.D. — OR — LINE	SAMPLE NO. — OR — STATION	ELEVATION	NORTH CO-ORDINATE	EAST CO-ORDINATE	LOCAL TERRAIN	SECONDARY ENVIRONMENT	FACTORS AFFECTING CONDITIONS
	L200W	11605				38	SP	
		11120				55		
		10860				55	SP	CK
		10540				88		SP
		10000				55		
		9660				55		
		9220				55		SP
		8880				55		
TR		8540		10 meters from station		55		
TR		8000		00 = rock + volcanics		55		
		7600				55		
		7220		Devil's Ck Bank sample		55		

WEATHER

N. T. S.

SHEET No. of

OR PROJECT AND SUB PROJECT

BAIL CEECK BC

GRID 000 TRUE NORTH

UTM CO-ORDINATES OF GRID ORIGIN

NORTHING EASTING ELEVATION

SITE DRAINAGE	VEGETATION	SLOPE %	SLOPE DIRECTION	SAMPLE DEPTH	HORIZON SAMPLED	COLOR	% CLAY	% SILT	% SAND	% GRAVEL	% ORGANICS	MAX. PART. SIZE	% PARTICLES	COATINGS	COATINGS	ROCK FRAGMENTS TYPE 1	ROCK FRAGMENTS TYPE 2	ROCK FRAGMENTS TYPE 3	PARENT MATERIAL	% RESIDUAL
IM	P	18	066	025	B1	4U	8	6	=	1	Z					VOL				
FR	P	15	094	020	B1	5U	9	#	=	1	Z									
FR	C	12	073	025	B1	5U	9		=	1	Z									
IM	P	06	648	030	B½	3U	9	=	=		Z					VOL				
FR	P	17	045	040	B½	6U	8	=	=	1	P	1				ANDC	HT			
FR	P	18	068	025	B2	6U	2	8			Z									
FR	P	34	048	040	B1	5U	3	5	=	1	L	1				1	NT			
FR	P	34	056	035	B1	5U	9		=	1	P	=				VOL				
FR	P	50	035	030	B2	5UT	1	8		2	O	2				ANDA				
FR	P	40	032	030	B1	4U	1	8		1	N	1				VOL				
IM	P	04	058	030	B1	5U	1	8		1	M	1				ANDD				
FR	P	56	364	010	B1	4U	#	8	#	1	M	1				VOL				

SOIL

VENTURE NUMBER: V-24-

VENTURE NAME:

SAMPLED: DAY 07 MONTH 07 YEAR 89 BY JT ASSTD. BY

COMPANY

PROPERTY

AZIMUTH OF +VE EAST OF

WEATHER

N. T. S.

SHEET No. of

OR PROJECT AND SUB PROJECT: BALL CREEK

GRID TRUE NORTH: 000

UTM CO-ORDINATES OF GRID ORIGIN: NORTHING / EASTING / ELEVATION

FLAG	SAMPLE I.D. — OR — LINE	SAMPLE NO. — OR — STATION	ELEVATION		NORTH - CO-ORDINATE	EAST CO-ORDINATE	LOCAL TERRAIN	SECONDARY ENVIRONMENT	FACTORS AFFECTING CONDITIONS
R	400W	2040							
		2080							
		2120							
		2160							
		2200							
		2240							
		2280							
		2320							
		2360							
		2400							
		2440							
		2480							
		2520							
		2560							
		2600							
		2640							
		2680							
		2720							
		2760							
		2800							
		2840							
		2880							
		2920							
		2960							
		3000							

SITE DRAINAGE	VEGETATION	SLOPE	SLOPE DIRECTION	SAMPLE DEPTH	HORIZON SAMPLED	% STONES	% CLAY	% SILT	% SAND	% GRAVEL	% ORGANICS	MAX PART SIZE	% PARTICLES	COATINGS	COATINGS	ROCK FRAGMENTS TYPE 1	TYPE 2	TYPE 3	PARENT MATERIAL	% RESIDUAL
FR	SP	20	360	0-5	B2	5	U	T	20	70	1					VL			L	80
FR	SP	20	050	0-4	B2	5	U	U	10	80	1			FE	E	VL			L	80
FR	SP	20	050	0-3	B2	5	U	U	10	80	1		P	FE	E	VL			L	80
FR	SP	25	050	0-4	B1	5	U	U	10	70	2		D			VL			L	80
FR	SP	25	050	0-2	B1	5	U	U	10	70	2					VL			L	80
FR	SP	10	070	0-3	B1	5	U	T	10	70	2		N			VL			L	80
FR	SP	10	070	0-2	B1	5	U	U	10	90	1					VL			L	80
FR	SP	15	060	0-2	B1	5	U	U	10	90	1		N			VL			L	80
FR	SP	15	070	0-2	B1	5	U	U	10	90	2		N			VL			L	80
FR	SP	10	120	0-2	B2	5	U	U	10	70	4		N			VL			L	80
FR	SP	20	070	0-3	B2	5	U	U	10	90	1								L	80
FR	SP	15	130	0-2	B1	5	U	U	10	70	2		N						L	80
FR	SP	20	070	0-2	B1	5	U	U	10	70	2		N						L	80

SP (TO INDICATE SPRUCE FOREST)

SOIL

DENOI

VENTURE NUMBER: V2495

VENTURE NAME

SAMPLED: DAY 24 | MONTH 0006 | YEAR 84 | BY TA | ASSTD. BY IS P

COMPANY: PRJPLACER DOME INC.

PROPERTY

Ted Hagerman.

AZIMUTH OF +VE EAST OF

GRID

SAMPLE I.D. — OR — LINE	SAMPLE NO. — OR — STATION	ELEVATION	NORTH CO-ORDINATE	EAST CO-ORDINATE	LOCAL TERRAIN	SECONDARY ENVIRONMENT	FACTORS AFFECTING CONDITIONS
2 3 4 5 6 7 8	9 10 11 12	13 14 15 16 17 18 19	20 21 22 23 24 25 26 27 28	29 30 31 32 33 34	35 36	37 38	39 40
2000	1360 S				SS		
	1320 S				SS		
	1280 S				SS		
	1240 S				SS		
	1200 S				SS	CK	SP
	1160 S				SS		
	1120 S				SS		
	1080 S		SEE NOTE 8 - June 24/89 SEE NOTE 11		SS		
	1040				SS		
	1000				SS		SP
	0960				SS	CK	SP
	0920				SS		
	0880				SS		
	0840				SS		
	0800		Party defined.		SS	CK	
	0760				SS		
	0720		Party defined.		SS		
V	0680				SS		

WEATHER: NICE AND SUNNY!!!

N. T. S.

SHEET No. 02 of 12

OR PROJECT AND SUB PROJECT: BALL CK

GRID 000 TRUE NORTH

UTM CO-ORDINATES OF GRID ORIGIN: NORTHING | EASTING | ELEVATION

SITE DRAINAGE	VEGETATION	SLOPE	SLOPE DIRECTION	SAMPLE DEPTH	HORIZON SAMPLED	COLOR	% CLAY	% SILT	% SAND	% GRAVEL	% ORGANICS	MAX. PART. SIZE	% PARTICLES	COATINGS	COATINGS	ROCK FRAGMENTS TYPE 1	ROCK FRAGMENTS TYPE 2	ROCK FRAGMENTS TYPE 3	PARENT MATERIAL	% RESIDUAL
41 42	43 44	45 46	47 48 49	50 51 52	53 54	55 56 57	58 59 60	61	62 63	64	65 66	67 68	69 70 71	72 73 74	75 76 77	78 79	80			
TA	A	10	070	020	B1	4U	7	30	00	W	0							CL	2	
AR	A	20	065	025	B1	4U	1	80	=	1	R	=						CL	4	
AR	A	20	095	025	B1	5U	2	70	=	0	P	0						CL	4	
AR	A	20	068	020	B1	5U	4	26	=	2	P	2	FE		VL	VLP		CL	2	
TA	A	08	050	020	B1	4U	2	70	=	0	P	2			VL			CL	4	
FR	P	12	048	020	B2	5U	0	=	8	=	1	00	1	FE	VL	P		CL	1	
FR	P	06	054	020	B2	5U	0	1	80	=	1	20	1	FE	VL	P		CL	1	
FR	P	20	065	020	B2	5W	D	=	90	=	0	0W	=	FE				CL	9	
TA	P	30	155	120	B1	4U		19	01	=	0	Q	1		VL	P		CL	9	
IM	P	35	063	025	B1	4U	1	70	2	0	0	Q	2					CL	4	
IM	A	25	153	026	B1	4U	1	80	1		N	1						CL	5	
ER	P	05	040	005	B1	5O	M	0	80	1	0	P	1	FE	FAV	See Note 6		CL	5	
ER	D	20	050	075	B1	5U	4	0	90	=	V	N	=	FE				CL	9	
EX	P	00	056	025	B1	5O	U	0	90	=	0	N	=	FE	FFP	See Note 6		CL	9	
IM	P	35	060	035	B1	3U		36	01	0	0	Q	1		VL			CL	4	
ER	D	20	050	025	B1	5O	M	0	70	1	0	P	3	FE	VL			CL	4	
EX	D	30	025	020	B1	5O	U	0	80	1	1	P	2	FE				CL	4	
FR	A	35	050	015	B1	5U		36	00	1	0	0	1		VL			CL	2	

OIL

DEND1

VENTURE NUMBER: V243

VENTURE NAME:

SAMPLED: DAY 23 MONTH 06 YEAR 89 BY DR ASSTD. BY JT

COMPANY

PROPERTY

PBJ

AZIMUTH OF +VE EAST OF

GRID

WEATHER

N. T. S.

SHEET No. 01 of 02

OR PROJECT AND SUB PROJECT: BALL CRK

GRID 000 TRUE NORTH

UTM CO-ORDINATES OF GRID ORIGIN: NORTHING / EASTING / ELEVATION

SAMPLE I.D. — OR — LINE	SAMPLE NO. — OR — STATION	ELEVATION		NORTH CO-ORDINATE	EAST CO-ORDINATE	LOCAL TERRAIN	SECONDARY ENVIRONMENT	FACTORS AFFECTING CONDITIONS
L400W	2000S	CK level	20 N. South					CK
	1960S							
	1920S							
	1880S							
	1840S	RF HWY	1	11 down cut from CK			RG	
	1800S	small CK	@ 60°				P	CK
	1760S							
	1720S							
	1680S							SP
	1640S							
	1600S							SP
	1560S							
	1520S	small CK @ 15+30 S						
	1480							
	1440							
	1400	right bank cap CK						
	1360							
	1320							
	1280							
	1240							
	1200							
	1160							
	1120							
	1080							
	1040							
	1000							

SITE DRAINAGE	VEGETATION	SLOPE %	SLOPE DIRECTION	SAMPLE DEPTH	HORIZON SAMPLED	COLOR	% CLAY	% SILT	% SAND	% GRAVEL	% ORGANICS	MAX. PART. SIZE	% PARTICLES	COATINGS	COATINGS	ROCK FRAGMENTS TYPE 1	ROCK FRAGMENTS TYPE 2	ROCK FRAGMENTS TYPE 3	PARENT MATERIAL	% RESIDUAL
EX	F	35	90	075	B1	5U	27	60	1	GQ	=	FE		VC				CL	X
FR	F	16	078	035	B1	5U	27	60	1	=	2			VC				CL	Y
FR	F	10	000	045	B1	5U	27	60	1	=	0			VC				CL	9
FR	F	25	095	075	B1	5U0	30	60	1	=	9	Q		VC				CL	9
FR	P	05	030	145	B2	4U0	=	90	=	0	P		FE		D1?			CL	9
FR	C	10	070	040	B1	5U	17	70	=	1	R		FE		F PHY			CL	8
FR	C	05	190	030	B2C	5U0	18	80	=	1	O		FE		VC			CL	9
FR	C	20	090	095	B1	3U	18	80	=	1	=				F PHY			CL	9
FR	C	15	025	045	B1	2U	27	70	=	1	T							CL	9
FR	P	20	070	060	B1	4U	17	80	=	1	O							CL	9
FR	F	25	070	060	D1	5U	16	70	=	1	=	S	1		AND			CL	8
FR	F	25	070	070	X6	5A	72	20	=	1	Q	Q	2					CL	8
FR	P	20	130	130	B1	4U	=	90	=	=	R				F PHY			CL	8
FR	V	20	170	055	B1	6U	45	50	1	0					AND			CL	8
FR	P	30	040	040	D1	4U	07	20	1	80	01							CL	8
FR	P	30	005	040	B1	6U	36	01	0									CL	8

SOIL

VENTURE NUMBER: V243 | VENTURE NAME | SAMPLED: DAY | MONTH | YEAR | BY | ASSTD. BY

COMPANY | PROPERTY

AZIMUTH OF +VE EAST OF

GRID TRUE NORTH

WEATHER | N. T. S. | SHEET No. | of

OR PROJECT AND SUB PROJECT

UTM CO-ORDINATES OF GRID ORIGIN: NORTHING | EASTING | ELEVATION

FLAG	SAMPLE I.D. — OR — LINE	SAMPLE NO. — OR — STATION	ELEVATION		NORTH CO-ORDINATE	EAST CO-ORDINATE	LOCAL TERRAIN	SECONDARY ENVIRONMENT	FACTORS AFFECTING CONDITIONS
	600W	2000	S				SS	OK	CK
		2040	S	V SMALL	CREEK	5 M TO N	SS		
		2080	S				SS		
		2120	S	V small cut	5 M TO S		SS		
		2160	S	V small cut	2 M TO N		SS	SP	CK
		2200					SS		
		2240		on SIDE of Cut drain			SS	CK	SP
		2280					SS		
		2320		Left bank of small drain			SS	ST	
		2360					SS		
		2400		AND E. of the O.C.			SS		
		2440					SS		
		2480		BANK (NORTH) of Stream gully			SS	ST	
		2520					SS		
		3560					SS		
		2600					SS		
		2640					SS		
		2680		AND OC.			SS		
		2720					SS		
		2760		Cut bank and Valley ground			SS		
		2800							

	SITE DRAINAGE	VEGETATION	SLOPE	SLOPE DIRECTION	SAMPLE DEPTH	HORIZON SAMPLED	COLOR	% CLAY	% SILT	% SAND	% GRAVEL	% ORGANICS	MAX PART. SIZE	% PARTICLES	COATINGS	COATINGS	ROCK FRAGMENTS TYPE 1	ROCK FRAGMENTS TYPE 2	ROCK FRAGMENTS TYPE 3	PARENT MATERIAL	% RESIDUAL
1	FR	P	35	10	0	BL	4YR 7/1	19	0	81	11	NO					VL				
	FR	P	35	94	0	BC	5YR 5/1	01		88	11	NO									
	FR	P	30	06	0	C2	5YR 6/1	17		10	10	NO		FE	MLX		VL				
	FR	P	25	11	0	B2	5YR 6/1	17		10	10	NO		FE			VL				
5	FR	P	20	05	0	B2	5YR 6/1	17		10	10	NO									
	FR	P	25	05	0	B2	4YR 6/1	18		82	10	NO		FE			AND				
	FR	P	30	02	0	B1	5YR 6/1	16		84	12	NO									
	FR	P	15	33	0	B1	4YR 6/1	17		83	11	NO									
	FR	P	45	02	0	B1	5YR 6/1	17		83	11	NO									
10	FR	P	20	08	0	B2	5YR 6/1	18		82	10	NO					VL				
	FR	P	35	02	0	B2	5YR 6/1	19		81	10	NO									
	FR	P	15	06	0	B1	5YR 6/1	17		83	11	NO					AND				
	FR	P	25	11	0	B1	5YR 6/1	16		84	10	NO									
	FR	P	20	06	0	B2	5YR 6/1	17		83	10	NO					VL				
15	FR	P	30	06	0	B2	5YR 6/1	19		81	10	NO					?				
	FR	P	35	06	0	B2	4YR 6/1	18		82	10	NO									
	FR	P	25	06	0	B2	4YR 6/1	18		82	10	NO					2 * dul				
	FR	P	15	10	0																
	FR	P	20	02	0	B1	4YR 7/1	17		83	11	NO									
20	FR	P	15	02	0	B2	5YR 6/1	19		81	10	NO					VL				
25																					

SOIL

VENTURE NUMBER: V1243 | VENTURE NAME | SAMPLED: DAY 25 MONTH 06 YEAR 80 BY JP | ASSTD. BY

COMPANY: IPRJØIE | PROPERTY: BOIICK

AZIMUTH OF +VE EAST OF: | GRID TRUE NORTH: SGRID

WEATHER: SUNNY & WARM | N. T. S. | SHEET No. | of

OR PROJECT AND SUB PROJECT

UTM CO-ORDINATES OF GRID ORIGIN: NORTHING | EASTING | ELEVATION

FLAG	SAMPLE I.D. — OR — LINE	SAMPLE NO. — OR — STATION	ELEVATION	NORTH CO-ORDINATE	EAST CO-ORDINATE	LOCAL TERRAIN	SECONDARY ENVIRONMENT	FACTORS AFFECTING CONDITIONS
1	2 3 4 5 6 7 8	9 10 11 12 13 14 15	16 17 18 19	20 21 22 23 24 25 26 27 28	29 30 31 32 33 34	35 36	37 38	39 40
	L 6 0 0 3	1 9 6 0 S				S S		
		1 8 8 0 S				S S		
		1 8 0 0 S				S S		
2		1 7 2 0 S				T R		
		1 6 4 0 S				S S	S P	C K
U		1 5 6 0 S				S S		
		1 4 8 0 S				S S	S P	C K
		1 4 0 0 S				S S		
		1 3 2 0 S				S S		
		1 2 4 0 S				S S	S P	
		1 1 6 0 S				S S		
		1 0 8 0 S				S S	S P	C K
		1 0 0 0 S				S S		
		9 9 2 0 S				S S		
		8 4 0 S				S S	S P	C K
		7 6 0				S S		

SITE DRAINAGE	VEGETATION	SLOPE	SLOPE DIRECTION	SAMPLE DEPTH	HORIZON SAMPLED	COLOR	% CLAY	% SILT	% SAND	% GRAVEL	% ORGANICS	MAX PART SIZE	% PARTICLES	COATINGS	COATINGS	ROCK FRAGMENTS TYPE 1	ROCK FRAGMENTS TYPE 2	ROCK FRAGMENTS TYPE 3	PARENT MATERIAL	% RESIDUAL
41 42	43 44	45 46	47 48 49	50 51 52	53 54	55 56 57	58	59 60	61	62	63	64	65 66	67	68	69 70 71	72 73 74	75 76 77	78	79 80
F R	P	2 2	Ø Ø 4	Ø 3 Ø	B 2	5 U	O	8	2	Ø	2	3				V 1			C	L 9
F R	P	2 8	Ø Ø 2	Ø 2 5	B 1	5 U	T	7	3	D	3					V 1	P			
F R	P	2 4	1 Ø 4	Ø 3 5	B 2	5 U	O	7	2	N	2					V 1				
F R	P	Ø 2	Ø 4 2	Ø 2 Ø	B 1	5 U		9		N	1					M	Horizontic			
1 3	A	2 3	3 6 8	Ø 3 5	A 1	4 U	1	8	1	R	1					V	B P	See back note		
F R	P	3 Ø	Ø 4 8	Ø 2 5	X C	5 U	T	5	2	M	5									
1 3	A	2 Ø	Ø 6 2	Ø 2 5	X G	7 A	G	4	6											
F R	P	4 Ø	Ø 6 Ø	Ø 2 5	B 2	5 U	T		9		1					V	1 P			
F R	P	1 8	Ø 3 2	Ø 2 Ø	B 1	5 U		2	7		1					V	1 P			
1 3	P	1 8	Ø 4 8	Ø 3 Ø	B 1	4 U		9			1									
F R	P	2 5	Ø 4 5	Ø 3 Ø	B 1	4 U		8			1									
1 3	P	2 Ø	Ø 5 4	Ø 3 Ø	X G	7 A	G				1									
F R	P	2 4	Ø Ø Ø	Ø 3 Ø	B 1	4 U		8			2									
F R	P	2 4	Ø 7 9	Ø 3 Ø	B 1	4 U		9			1					V	1			
1 3	P	1 8	Ø 3 4	Ø 3 5	B 1	4 U		9			2									
1 3	P	5 4	3 3 4	Ø 1 Ø	B 1	5 U	2	5	1	2	2									

SOIL

IDENTIFIER

VENTURE NUMBER: V1243

VENTURE NAME

SAMPLED: DAY 15 MONTH 06 YEAR 95 BY TAH ASSTD. BY

COMPANY: PLACER DOME INC

PROPERTY

TAH- Todd Anthony Hagerman

AZIMUTH OF +VE EAST OF GRID TRUE NORTH

WEATHER: SUNNY & WARM

N. T. S.

SHEET No. of

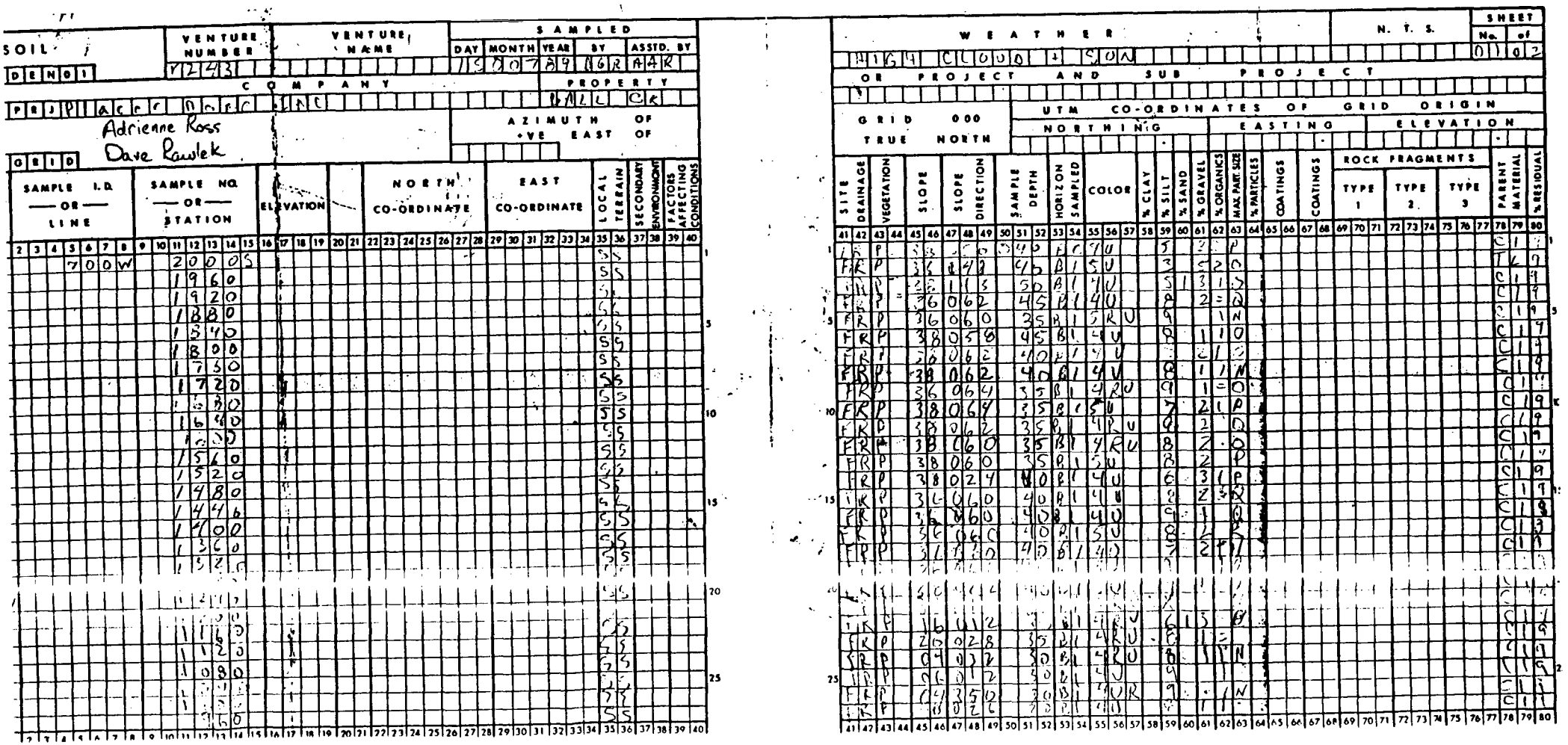
OR PROJECT AND SUB PROJECT: BALL CR

UTM CO-ORDINATES OF GRID ORIGIN: NORTHING EASTING ELEVATION

FLAG	SAMPLE I.D. — OR — LINE	SAMPLE NO. — OR — STATION	ELEVATION		NORTH CO-ORDINATE	EAST CO-ORDINATE	LOCAL TERRAIN	SECONDARY ENVIRONMENT	FACTORS AFFECTING CONDITIONS
1		20005					SCK		
		17005					SS		
		18005					SSC	R	
		16005					SS		
		15005					SS		
		15205					SS		
		14405					SS		
		13605					SS		
		13805					SS		
		13205					SS		
		11205					SS	SP	
		10905					SS		
		09005					SS		
		08705					CK		
		08005					SSC		

SITE	DRAINAGE	VEGETATION	SLOPE	SLOPE DIRECTION	SAMPLE DEPTH	HORIZON SAMPLED	COLOR	% CLAY	% SILT	% SAND	% GRAVEL	% ORGANICS	MAX. PART SIZE	% PARTICLES	COATINGS	COATINGS	ROCK FRAGMENTS TYPE 1	TYPE 2	TYPE 3	PARENT MATERIAL	% RESIDUAL
F	R	A	3	0																C	4
		A	3	0																C	9
		A	3	0																C	9
		A	3	0																C	9
F	X	A	3	0			X C	5	0	4	3	6	7	3	0	N	3	F	E	BR	9
F	X	A	3	0											0		1	F	E	C	9
F	R	A	3	0																CK	9
F	X	A	3	0																C	9
F	R	A	3	0																C	9
F	X	A	3	0																C	9
F	R	A	3	0																C	9
F	X	A	3	0																C	9
F	R	A	3	0																C	9
F	X	A	3	0																C	9
F	R	A	3	0																C	9

Show top samples 0.05 etc


SOIL
VENTURE NUMBER
VENTURE NAME
SAMPLED
DAY
MONTH
YEAR
BY
ASSTD. BY
DENOI
COMPANY
PROPERTY
PROJECT
Adrienne Ross
Dave Rawlek
AZIMUTH OF +VE EAST OF
ORID
SAMPLE I.D. — OR — LINE
SAMPLE NO. — OR — STATION
ELEVATION
NORTH CO-ORDINATE
EAST CO-ORDINATE
LOCAL TERRAIN
SECONDARY ENVIRONMENT
FACTORS AFFECTING CONDITIONS
WEATHER
N. T. S.
SHEET No. of
OR PROJECT AND SUB PROJECT
GRID 000 TRUE NORTH
UTM CO-ORDINATES OF GRID ORIGIN
NORTHING
EASTING
ELEVATION
SITE DRAINAGE
VEGETATION
SLOPE
SLOPE DIRECTION
SAMPLE DEPTH
HORIZON SAMPLED
COLOR
% CLAY
% SILT
% SAND
% GRAVEL
% ORGANICS
MAX PART SIZE
% PARTICLES
COATINGS
COATINGS
ROCK FRAGMENTS
TYPE 1
TYPE 2
TYPE 3
PARENT MATERIAL
% RESIDUAL

SOIL

DENOT

VENTURE NUMBER: 42

VENTURE NAME:

SAMPLED: DAY 10 | MONTH 07 | YEAR 87 | BY TGR | ASSTD. BY ANP

COMPANY

PROPERTY

PROJECT

Adrienne Ross
Dave Rudek

GRID

AZIMUTH OF +VE EAST OF

WEATHER: CLOUDY WITH SUMMER RAIN

N. T. S.

SHEET No. 02 of

OR PROJECT AND SUB PROJECT

GRID 000 TRUE NORTH

UTM CO-ORDINATES OF GRID ORIGIN

NORTHING | EASTING | ELEVATION

SAMPLE I.D. — OR — LINE	SAMPLE NO. — OR — STATION	ELEVATION		NORTH CO-ORDINATE	EAST CO-ORDINATE	LOCAL TERRAIN	SECONDARY ENVIRONMENT	FACTORS AFFECTING CONDITIONS
700W	920S					55		
	880					55		
	840					55		
	800					55		
END OF LINE								

SITE DRAINAGE	VEGETATION	SLOPE	SLOPE DIRECTION	SAMPLE DEPTH	HORIZON SAMPLED	COLOR	% CLAY	% SILT	% SAND	% GRAVEL	% ORGANICS	MAX PART. SIZE	% PARTICLES	COATINGS	COATINGS	ROCK FRAGMENTS TYPE 1	TYPE 2	TYPE 3	PARENT MATERIAL	% RESIDUAL
FR	F	33	294	30	XG	5A	27	5fr	2	2	8								C	1
FR	D	36	302	30	B1	4U		5	4	1	2								C	1
FR	P	32	014	30	B1	4U		3	2	3	8								C	1
FR	P	40	060	36	B1	4U		27	23	3	4								O	1

SOIL
1 DEN01

VENTURE NUMBER: V243
VENTURE NAME:
SAMPLED — DAY: 11 MONTH: 07 YEAR: 89 BY: DGR ASSTD. BY: JT

1 PRJ — COMPANY: ADI
PROPERTY: BALL CK

AZIMUTH OF +VE EAST OF

S GRID

WEATHER: CLEAR + SUNNY
N. T. S.
SHEET No. 21 of

OR PROJECT AND SUB PROJECT

GRID 000 TRUE NORTH
UTM CO-ORDINATES OF GRID ORIGIN — NORTHING . EASTING . ELEVATION .

FLAG	SAMPLE I.D. — OR — LINE	SAMPLE NO. — OR — STATION	ELEVATION		NORTH CO-ORDINATE	EAST CO-ORDINATE	LOCAL TERRAIN	SECONDARY ENVIRONMENT	FACTORS AFFECTING CONDITIONS
√	L 800W	30505					SS	SS	
		30405					SS		
		3120					S[illegible]		
		3160					SS		
		3200					SS		
		3240					SS		
		3280					SS		
		3320					SS		
		3360					SS		
		3400					SS		
		3440					SS		
		3480					SS		
		3520					SS		
		3560					SS		
		3600					SS		
		3640					SS		
		3680					SS		
		372[illegible]					[illegible]		
		[illegible]							
		3800					S[illegible]		
		[illegible]					[illegible]		
		[illegible]					SS		
		31[illegible]0					SS		
		3900					SS		
		4[illegible]					SS		
		[illegible]					SS		
		4[illegible]							

SITE	DRAINAGE	VEGETATION	SLOPE	SLOPE DIRECTION	SAMPLE DEPTH	HORIZON SAMPLED	COLOR	% CLAY	% SILT	% SAND	% GRAVEL	% ORGANICS	MAX. PART. SIZE	% PARTICLES	COATINGS	COATINGS	ROCK FRAGMENTS TYPE 1	TYPE 2	TYPE 3	PARENT MATERIAL	% RESIDUAL
I	M	P ✓	32	[illegible]0	40	B1	4A	1	3	.	1	0	N				VL			CL	9
F	R	PF	40	011	40	B1	4U	0	9	0	=	=	P				VL			CL	1
F	R	PF	24	056	40	B1	4UR	0	9	0	=	=	O				VL			C1	.
F	R	F	25	[illegible]	30	B1	4U	0	9	0	0	1	Q				VL			C1	.
F	R	F	1[illegible]	0[illegible]6	40	B1	4U	0	7	0	2	1	P				VL			C1	5
I	M	FF	03	022	35	B1	4U	0	3	0	2	=	P				VL			C1	7
F	R	FF	08	[illegible]4	30	B1	4U	[illegible]	5	,	=	1	.				VL			C1	1
F	R	PF	04	026	30	B1	5U	0	5	0	=	1	P				VL			C1	3
F	R	PF	12	108	30	B1	4U	0	3	0	1	1	O				VL			C1	9
F	R	PF	02	035	50	B1	5U	0	9	0	0	1	N				VL			C1	4
F	R	PF	08	088	35	B1	5U	0	8	0	1	1	O				VL			C1	5
F	R	PF	12	096	30	B1	5U	0	5	0	1	1	P				VL			C1	9
F	R	P[illegible]	26	106	30	B1	5U	0	5	[illegible]	[illegible]	1	P				VL			C1	[illegible]
F	R	PF	25	120	20	B1	[illegible]U	[illegible]	9	0	0	1	P				VL			C1	5
F	P	PF	34	140	20	B1	5U	0	1	[illegible]	0	1	R				VL			C1	1
F	R	PF	18	126	50	B1	5U	0	9	0	0	1	[illegible]				VL			C1	1
I	R	PF	26	122	30	B1	[illegible]U	0	5	0	0	1	P				VL			[illegible]1	[illegible]
F	R	PF	26	136	30	B1	5U	0	9	0	0	1	P				VL			C1	1
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	N				V[illegible]			C[illegible]	[illegible]
F	R	C	25	1[illegible]	[illegible]	B1	[illegible]UR	=	[illegible]	0	=	0					[illegible]			[illegible]	[illegible]
F	R	C	20	0[illegible]	[illegible]	B[illegible]	[illegible]										[illegible]			[illegible]	[illegible]
I	R	C	12	11[illegible]	[illegible]	B1	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]							[illegible]	[illegible]
F	R	P	12	110	3[illegible]	B1	4U	[illegible]	7	0	[illegible]	1	G				VL			CL	9
F	R	P	04	100	3[illegible]	B1	4RU	0	[illegible]	0	1	1	O				VL			CL	9
F	R	C[illegible]	[illegible]	[illegible]	35	B1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	3								CL	[illegible]
F	R	P	1[illegible]	01[illegible]	3[illegible]	B1	4U	0	[illegible]	[illegible]	1	1	N				VL			CL	[illegible]
[illegible]	R	P	1[illegible]	[illegible]	[illegible]	B1	4[illegible]	[illegible]	[illegible]		1	1	P				VL			CL	[illegible]

SOIL

1DEN01

VENTURE NUMBER	VENTURE NAME	SAMPLED DAY	MONTH	YEAR	BY	ASSTD. BY
V243		14	07	[illegible]	[illegible]	AAR

COMPANY	PROPERTY
1PRJ PLACER DOME INC	

Dave Rawlek
Adrienne Ross

AZIMUTH OF +VE EAST OF

SGRID

WEATHER	N.T.S.	SHEET No.	of
SUNNY			

OR PROJECT AND SUB PROJECT

GRID 000 TRUE NORTH	UTM CO-ORDINATES OF GRID ORIGIN: NORTHING	EASTING	ELEVATION

FLAG (1)	SAMPLE I.D. OR LINE (2–8)	SAMPLE NO. OR STATION (9–15)	ELEVATION (16–19)	(20–21)	NORTH CO-ORDINATE (22–28)	EAST CO-ORDINATE (29–34)	LOCAL TERRAIN (35–36)	SECONDARY ENVIRONMENT (37–38)	FACTORS AFFECTING CONDITIONS (39–40)
/	2200S	[illegible]					SS	MS	
	2200S	196					SS	MS	
	2207S	192					SS	MS	
	2200S	180					SS	MS	
	2200S	18[illegible]					SS	SS	
	2200S	180					SS	MS	
	2200S	176					SS	MS	
	2200S	1723					SS	MS	
	2201S	163					SS	MS	
	2201S	169					SS	MS	
	220[illegible]S	1[illegible]					SS	MS	
	2200S	1564					SS	MS	
	2202S	152					TP		
	2202S	1932					SS		
	[illegible]	[illegible]					S		
	2203S	1[illegible]0					S	MS	
V	[illegible]	[illegible]	Crossed stream				[illegible]	MS	
	[illegible]	[illegible]					SS		
	[illegible]	[illegible]					SS		
	2200S	1203					CS		
	2200S	1163					SS		
	2200S	112[illegible]					SS		
	2200S	1083					SS		
	[illegible]	[illegible]					SS		
	[illegible]	[illegible]					SS		
	[illegible]	[illegible]					SS		

SITE (41)	DRAINAGE (42)	VEGETATION (43–44)	SLOPE (45–46)	SLOPE DIRECTION (47–49)	SAMPLE DEPTH (50–52)	HORIZON SAMPLED (53–54)	COLOR (55–57)	% CLAY (58)	% SILT (59)	% SAND (60)	% GRAVEL (61)	% ORGANICS (62)	MAX. PART. SIZE (63)	% PARTICLES (64)	COATINGS (65–66)	COATINGS (67–68)	ROCK FRAGMENTS TYPE 1 (69–71)	TYPE 2 (72–74)	TYPE 3 (75–77)	PARENT MATERIAL (78–79)	% RESIDUAL (80)
F	R	/	26	028	30	XC	4U		[illegible]		[illegible]		0				VL			TL	1
F	R	/	20	006	30	XC	4U		5		4		0				VL			TL	1
F	R	/	1[illegible]	[illegible]2	30	XC	4U		6		4		4				VL			TL	1
F	R	/	[illegible]4	[illegible]8B	20	XC	4U		8		2		N				VL			TL	[illegible]
F	R	/	08	222	35	XC	4U		9		1		0				VL			[illegible]K	[illegible]
F	R	/	38	228	30	XC	4U		9		[illegible]		N				VL			RK	9
F	[illegible]	/	[illegible]4	516	35	[illegible]C	4U		6		4		N				VL			OR	9
F	R	/	35	298	35	XC	4U		3		7		0				VL			TL	9
F	R	/	2[illegible]	[illegible]00	30	XC	4U		2	1	7		N				VL			TL	9
F	R	/	23	[illegible]12	35	XC	4U		8		2		N				VL			TL	[illegible]
F	R	/	28	315	30	XC	4U		4		5		0				VL			TL	1
F	R	/	20	130	30	XC	4U	1	8		1		0				VL			TL	9
F	R	A	00	000	35	B1	4U		9		1		0		FE		VL			CL	9
F	R	A	30	050	30	AC	2U		4		6		[illegible]				VL			CL	[illegible]
F	R	A	28	028	40	B1	4U		8		2		0		FE		VL			CL	9
F	R	[illegible]	26	230	30	B1	4UA		9		1		N				VL			TL	1
F	R	/	40	264	25	XC		2	1		7		N		CL		VL			TL	9
F	R	A	22	026	20	B1	4U		9		1		R				VL			TL	9
F	R	/	2[illegible]	[illegible]50	[illegible]	XC	4U	1	[illegible]		[illegible]		[illegible]				VL			TL	
F	R	/	30	020	30	XC	4U		8		2		0				VL			TL	1
F	R	A	17	028	25	AC	4U		=		9	=	R				VL			CL	9
F	R	A	21	226	30	B1	4U		2		2		0				VL			CL	1
F	R	A	[illegible]0	074	35	B1	4U		[illegible]		3		0				VL			CL	1
F	R	[illegible]	32	002	30	B1	4U		6		4		C				VL			CL	1
F	R	[illegible]	1C	23C	40	B1	4U		[illegible]		1		N				VL			CL	[illegible]
F	[illegible]	/	[illegible]2	[illegible]	1[illegible]	XC	4U		1	[illegible]	[illegible]		[illegible]				V[illegible]			[illegible]	[illegible]

SOIL

DENO1

VENTURE NUMBER: V2413

VENTURE NAME:

SAMPLED: DAY 15 | MONTH 10 | YEAR 89 | BY AAK | ASSTD. BY JSR

COMPANY:

PROPERTY: BIG CK

PROJ POI

Adrienne Ross
Dave Pawlek

GRID

AZIMUTH OF +VE EAST OF

WEATHER: SUNNY - SHORT SKETCH

N. T. S.

SHEET No. 02 of 02

OR PROJECT AND SUB PROJECT

GRID 000 TRUE NORTH

UTM CO-ORDINATES OF GRID ORIGIN: NORTHING | EASTING | ELEVATION

SAMPLE I.D. — OR — LINE	SAMPLE NO. — OR — STATION	ELEVATION	NORTH CO-ORDINATE	EAST CO-ORDINATE	LOCAL TERRAIN	SECONDARY ENVIRONMENT	FACTORS AFFECTING CONDITIONS
2200W	12 05				S		
	8805				S		
	8705				S		
	3505				S		

BORDER CREEK
SNOW PACK
CREEK is 20m dwh

SITE DRAINAGE	VEGETATION	SLOPE	SLOPE DIRECTION	SAMPLE DEPTH	HORIZON SAMPLED	COLOR	% CLAY	% SILT	% SAND	% GRAVEL	% ORGANICS	MAX PART. SIZE	% PARTICLES	COATINGS	COATINGS	ROCK FRAGMENTS TYPE 1	TYPE 2	TYPE 3	PARENT MATERIAL	% RESIDUAL
R	D	7	3	2	AL	5U			8	1	W					VL			C	1
R	D	3	0	3	AL	4U			6	3	D					VK			C	1
R	D	2	3	2	XC	3U	2		7	4	D					VL			C	1
R	D	2	3	4	XC	5U			5	5	D					VL			C	1
R	E	12	0	2	OF	LZ														

OIL

VENTURE NUMBER: V243 | VENTURE NAME: BALLOCK | SAMPLED: DAY 13 MONTH 07 YEAR 89 BY JP | ASSTD. BY JT

COMPANY: PRIDE PLACER MINING INC. | PROPERTY: BALLOCK

GRID | AZIMUTH OF +VE EAST OF

WEATHER: wet dcb \ 0 d m i s e k A b b q | N. T. S. | SHEET No. of

OR PROJECT AND SUB PROJECT

GRID 000 TRUE NORTH | UTM CO-ORDINATES OF GRID ORIGIN: NORTHING | EASTING | ELEVATION

SAMPLE I.D. — OR — LINE	SAMPLE NO. — OR — STATION	ELEVATION	NORTH CO-ORDINATE	EAST CO-ORDINATE	LOCAL TERRAIN	SECONDARY ENVIRONMENT	FACTORS AFFECTING CONDITIONS
2 3 4 5 6 7 8	9 10 11 12 13 14 15	16 17 18 19	20 21 22 23 24 25 26 27 28	29 30 31 32 33 34	35 36	37 38	39 40
35							
			d/c = Alluvial Fill w/ Colluvium				

SITE DRAINAGE	VEGETATION	SLOPE	SLOPE DIRECTION	SAMPLE DEPTH	HORIZON SAMPLED	COLOR	% CLAY	% SILT	% SAND	% GRAVEL	% ORGANICS	MAX. PART. SIZE	% PARTICLES	COATINGS	COATINGS	ROCK FRAGMENTS TYPE 1	TYPE 2	TYPE 3	PARENT MATERIAL	% RESIDUAL
41 42	43 44	45 46	47 48 49	50 51 52	53 54	55 56 57	58 59	60 61	62	63 64	65 66 67 68	69 70 71	72 73 74	75 76 77	78 79	80				
1																				
5																				
10																				
15																				
20																				
25																				

SOIL

VENTURE NUMBER: 1243

VENTURE NAME

SAMPLED: DAY 14 | MONTH 10 | YEAR 84 | BY ADR | ASSTD. BY DER

COMPANY

PROPERTY

PROJECT 0000 9860

Dave Rawlek
Adrienne Ross

GRID

AZIMUTH OF +VE EAST OF

WEATHER

N. T. S.

SHEET No. of

OR PROJECT AND SUB PROJECT

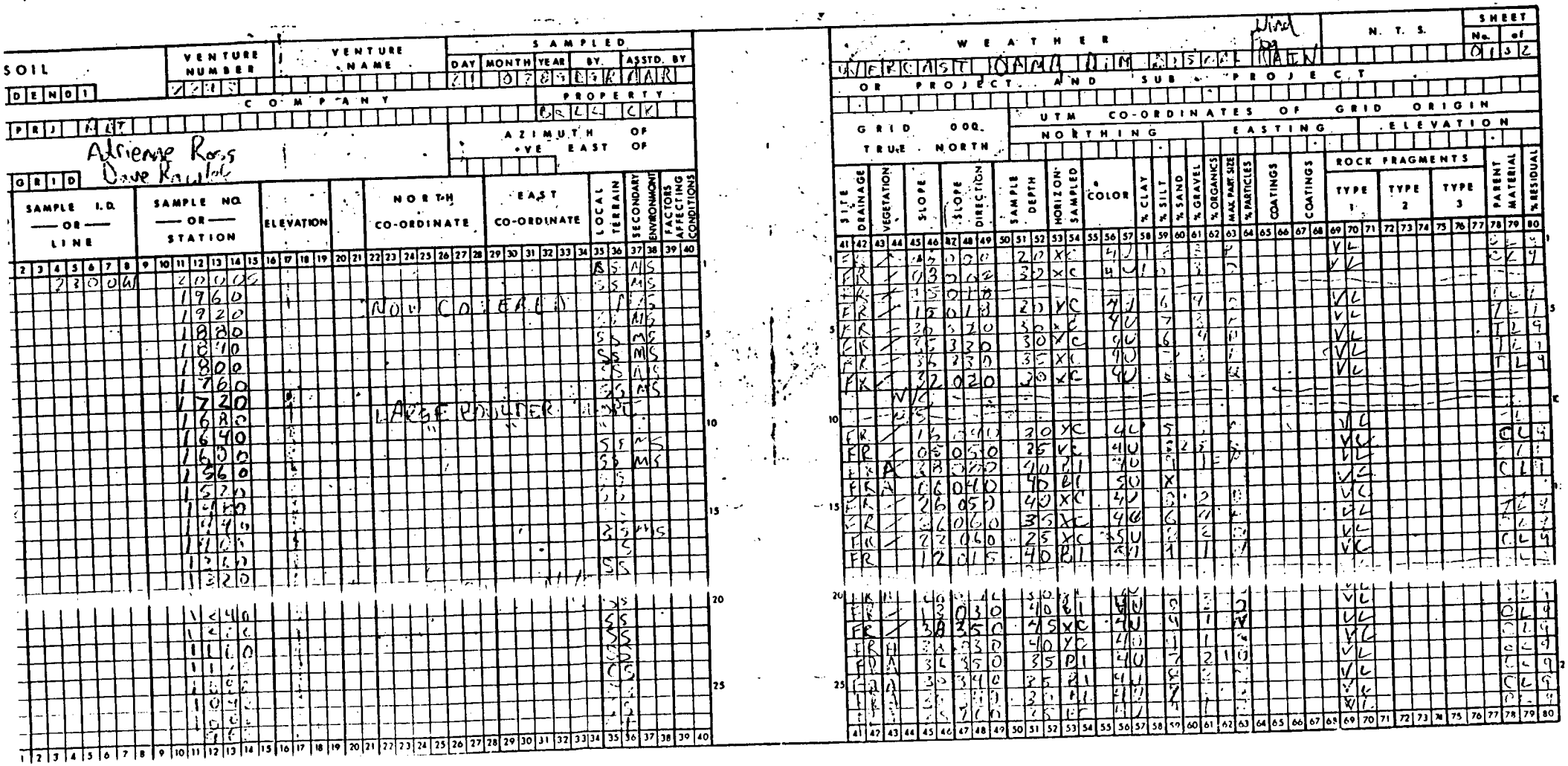
GRID 000 TRUE NORTH

UTM CO-ORDINATES OF GRID ORIGIN

NORTHING | EASTING | ELEVATION

FLAG	SAMPLE I.D. — OR — LINE	SAMPLE NO. — OR — STATION	ELEVATION		NORTH CO-ORDINATE	EAST CO-ORDINATE	LOCAL TERRAIN	SECONDARY ENVIRONMENT	FACTORS AFFECTING CONDITIONS
1	2 3 4 5 6 7 8	9 10 11 12 13 14 15	16 17 18 19	20 21	22 23 24 25 26 27 28	29 30 31 32 33 34	35 36	37 38	39 40
		1 S					P R		
		1 5 S					P R		
		2 0 S					P R		
		2 5 0 S					S		
		2 6 0 S					S S		
		2 6 5 S					S S		
		2 9 2 0 S					S		
		2 9 6 S					S S		
		3 0 0 S					S S		
		3 0 4 0 S		Stemmed	Creek		S S	S T	
		3 0 8 0 S					S S		
		3 1 2 0 S					S S		
		3 1 6 0 S					S S		
		3 2 0 0 S					S S		
		3 2 4 0					S S		
		3 2 8 0					S S		
V		B 4 0 0					S S		

SITE DRAINAGE	VEGETATION	SLOPE	SLOPE DIRECTION	SAMPLE DEPTH	HORIZON SAMPLED	COLOR	% CLAY	% SILT	% SAND	% GRAVEL	% ORGANICS	MAX. PART. SIZE	% PARTICLES	COATINGS	COATINGS	ROCK FRAGMENTS TYPE 1	ROCK FRAGMENTS TYPE 2	ROCK FRAGMENTS TYPE 3	PARENT MATERIAL	% RESIDUAL
41 42	43 44	45 46	47 48 49	50 51 52	53 54	55 56 57	58 59 60	61	62 63	64	65 66	67 68	69 70 71	72 73 74	75 76 77	78 79	80			
1 F R	D	1 0	1 0 E	3 0	B 1	H U							V L							
F R	S	1 0	2 2 E	3 0	X C	C U							V L							
F R	A	3 0	1 9 0	2 5	B 1	F U			- -				V L							
F R	P	3 0	1 8 0	3 5	B 1	F U			- -				V L							
F R	P	4 0	1 9 0	3 0	B 1	F U			- -				V L							
F R	P	1 0	1 9 W	3 0	S 1	F U			- -				V L							
F R	P	2 0	1 9 0	2 0	B 1	F U			- -				V L							
F R	P	4 0	1 0 0	1 0	X C	C U			- -				V L							
F R	P	2 6	1 3 0	2 0	X C	C U			- -				V L							
F R	P	4 0	1 0 5 E	3 0	B 1	F U			- -				V L							
F R	P	3 6	2 0 0	1 0	B C	F U			- -				V L							
F R	P	3 0	1 8 0	2 0	B 1	F U			- -				V L							
F R	P	3 2	1 7 4	2 5	B 1	F U			- -				V L							
F R	P	3 2	1 7 4	2 5	B 1	F U			- -				V L							
F R	P	1 3	1 7 6	2 5	B 1	F U			- -				V L							
F R	P	2 2	1 3 8	1 0	B 2	F U	R 1	9	- -				V L							
F R	P	2 5	1 2 9	1 0	B 2	F U	R 1	9	- -				V L							
F R	P	4 1	1 5 0	3 0	B L	S U	X													


SOIL
VENTURE NUMBER
VENTURE NAME
SAMPLED
DAY
MONTH
YEAR
BY.
ASSTD. BY
COMPANY
PROPERTY
AZIMUTH OF +VE EAST OF
Adrienne Ross
Dave Rawlat
SAMPLE I.D. — OR — LINE
SAMPLE NO. — OR — STATION
ELEVATION
NORTH CO-ORDINATE
EAST CO-ORDINATE
LOCAL TERRAIN
SECONDARY ENVIRONMENT
FACTORS AFFECTING CONDITIONS
NOW COVERED
LARGE BOULDER
WEATHER
N. T. S.
SHEET
No.
of
OR PROJECT AND SUB - PROJECT
GRID TRUE NORTH
UTM CO-ORDINATES OF GRID ORIGIN
NORTHING
EASTING
ELEVATION
SITE DRAINAGE
VEGETATION
SLOPE
SLOPE DIRECTION
SAMPLE DEPTH
HORIZON SAMPLED
COLOR
% CLAY
% SILT
% SAND
% GRAVEL
% ORGANICS
MAX. PART. SIZE
% PARTICLES
COATINGS
COATINGS
ROCK FRAGMENTS
TYPE 1
TYPE 2
TYPE 3
PARENT MATERIAL
% RESIDUAL

SOIL

IDENTI [illegible]

VENTURE NUMBER [illegible]

VENTURE NAME

SAMPLED: DAY [illegible] MONTH 07 YEAR 89 BY PGR ASSTD. BY [illegible]

COMPANY

PROJ PDT

PROPERTY [illegible]

Dave Radlef
Adrienne Ross

GRID

AZIMUTH OF +VE EAST OF

WEATHER SHIT

N. T. S.

SHEET No. 02 of 02

OR PROJECT AND SUB PROJECT

GRID 000 TRUE NORTH

UTM CO-ORDINATES OF GRID ORIGIN

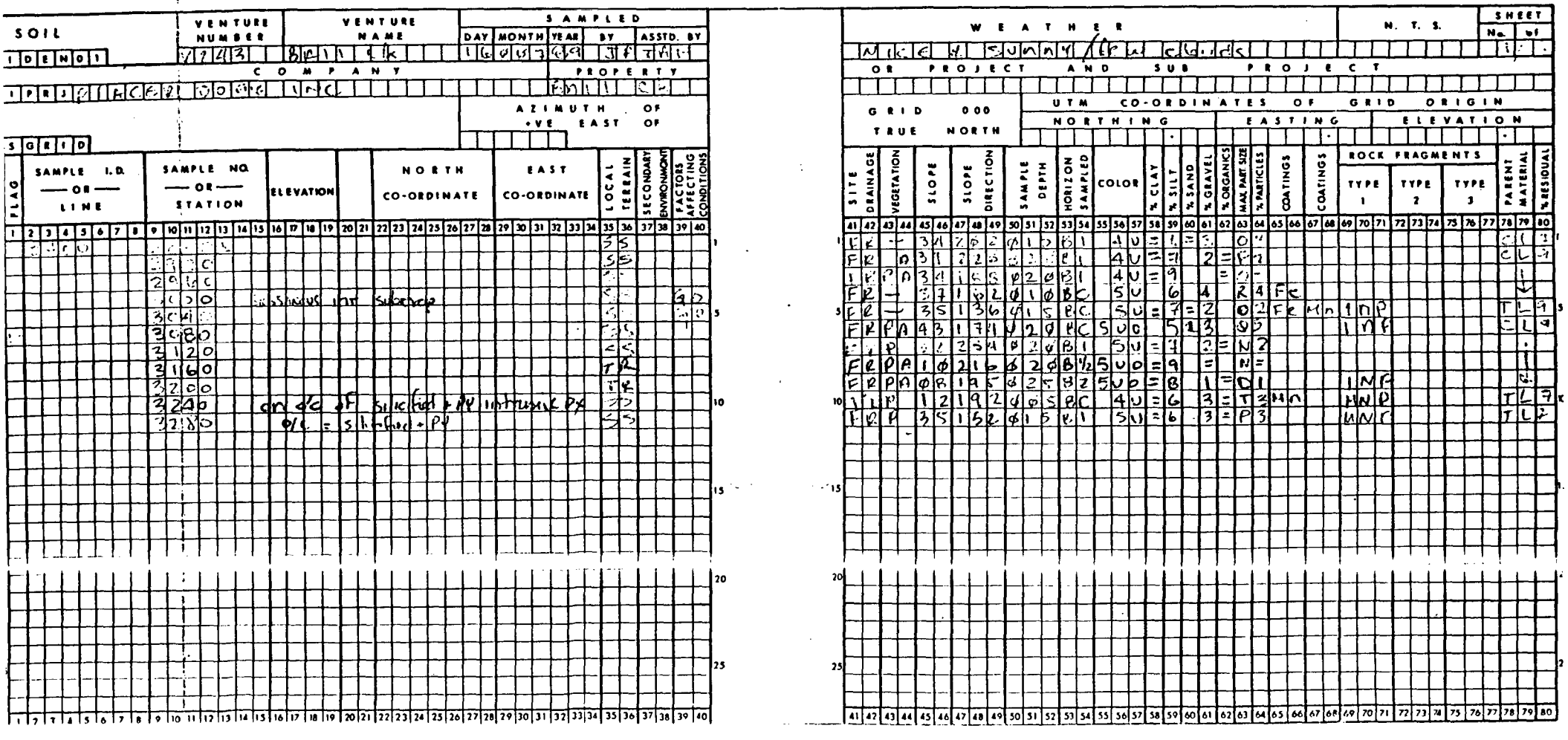
NORTHING

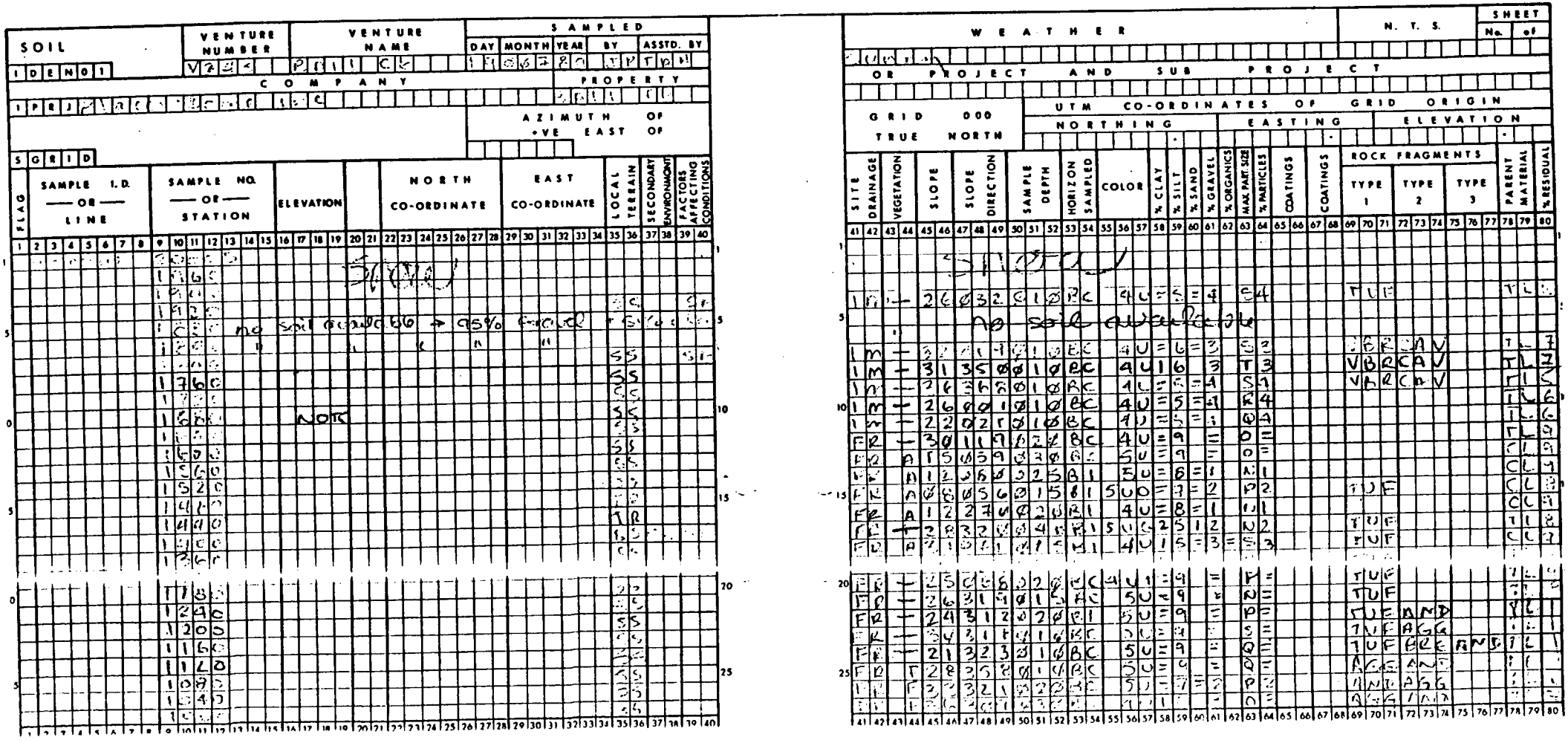
EASTING

ELEVATION

FLAG	SAMPLE I.D. — OR — LINE	SAMPLE NO. — OR — STATION	ELEVATION		NORTH CO-ORDINATE	EAST CO-ORDINATE	LOCAL TERRAIN	SECONDARY ENVIRONMENT	FACTORS AFFECTING CONDITIONS
1	2 3 4 5 6 7 8	9 10 11 12 13 14 15	16 17 18 19	20 21	22 23 24 25 26 27 28	29 30 31 32 33 34	35 36	37 38	39 40
	2 3 0 0 4	12 2 2					5 1		
		8 0					5 5		
		10					5 5		
		8 6 0					5 5		

SITE DRAINAGE	VEGETATION	SLOPE	SLOPE DIRECTION	SAMPLE DEPTH	HORIZON SAMPLED	COLOR	% CLAY	% SILT	% SAND	% GRAVEL	% ORGANICS	MAX PART SIZE	% PARTICLES	COATINGS	COATINGS	ROCK FRAGMENTS TYPE 1	ROCK FRAGMENTS TYPE 2	ROCK FRAGMENTS TYPE 3	PARENT MATERIAL	% RESIDUAL
41	42	43 44	45 46	47 48 49	50 51 52	53 54	55 56 57	58 59 60	61	62 63	64	65 66	67 68	69 70	71 72 73 74	75 76 77	78 79	80		
F	K	1	2	0 2 0	3 5	B C	4 0	8	2	1	0			V	U		C L			
F	R	H	3 6	3 2 0	2 5	B C	4 0	2	1	1	0			V	U		C L			
F	R	1	5 1	8 2 0	2 5	B C	4 0	1	2	3	0			V	U		C L			
F	R	1	2 0	8 3 0	2 5	B C	4 0	1	2	3	0			V	U		C L			


SOIL
VENTURE NUMBER
VENTURE NAME
SAMPLED
DAY
MONTH
YEAR
BY
ASSTD. BY
COMPANY
PROPERTY
AZIMUTH OF +VE EAST OF
GRID
FLAG
SAMPLE I.D. — OR — LINE
SAMPLE NO. — OR — STATION
ELEVATION
NORTH CO-ORDINATE
EAST CO-ORDINATE
LOCAL TERRAIN
SECONDARY ENVIRONMENT
FACTORS AFFECTING CONDITIONS
WEATHER
N. T. S.
SHEET
No.
of
OR PROJECT AND SUB PROJECT
GRID 000 TRUE NORTH
UTM CO-ORDINATES OF GRID ORIGIN
NORTHING
EASTING
ELEVATION
SITE DRAINAGE
VEGETATION
SLOPE
SLOPE DIRECTION
SAMPLE DEPTH
HORIZON SAMPLED
COLOR
% CLAY
% SILT
% SAND
% GRAVEL
% ORGANICS
MAX. PART. SIZE
% PARTICLES
COATINGS
COATINGS
ROCK FRAGMENTS
TYPE 1
TYPE 2
TYPE 3
PARENT MATERIAL
% RESIDUAL


SOIL
IDENTIFICATION
VENTURE NUMBER
VENTURE NAME
SAMPLED
DAY
MONTH
YEAR
BY
ASSTD. BY
COMPANY
PROPERTY
AZIMUTH OF +VE EAST OF
GRID
FLAG
SAMPLE I.D. — OR — LINE
SAMPLE NO. — OR — STATION
ELEVATION
NORTH CO-ORDINATE
EAST CO-ORDINATE
LOCAL TERRAIN
SECONDARY ENVIRONMENT
FACTORS AFFECTING CONDITIONS
WEATHER
N. T. S.
SHEET
No.
of
OR PROJECT AND SUB PROJECT
GRID TRUE NORTH
UTM CO-ORDINATES OF GRID ORIGIN
NORTHING
EASTING
ELEVATION
SITE
DRAINAGE
VEGETATION
SLOPE
SLOPE DIRECTION
SAMPLE DEPTH
HORIZON SAMPLED
COLOR
% CLAY
% SILT
% SAND
% GRAVEL
% ORGANICS
MAX PART SIZE
% PARTICLES
COATINGS
COATINGS
ROCK FRAGMENTS
TYPE 1
TYPE 2
TYPE 3
PARENT MATERIAL
% RESIDUAL

SOIL

VENTURE NUMBER: 1943

VENTURE NAME: BAILEY

SAMPLED: DAY 19 MONTH 8 YEAR 81 BY JP ASSTD. BY TMH

IDENDI

COMPANY: IPRJ Mackay Gold Inc

PROPERTY: BAILEY

SGRID

AZIMUTH OF +VE EAST OF

WEATHER: Sunny

N. T. S.

SHEET No. of

OR PROJECT AND SUB PROJECT

GRID 000 TRUE NORTH

UTM CO-ORDINATES OF GRID ORIGIN

NORTHING | EASTING | ELEVATION

FLAG	SAMPLE I.D. — OR — LINE	SAMPLE NO. — OR — STATION	ELEVATION		NORTH CO-ORDINATE	EAST CO-ORDINATE	LOCAL TERRAIN	SECONDARY ENVIRONMENT	FACTORS AFFECTING CONDITIONS
1	2 3 4 5 6 7 8	9 10 11 12 13 14 15	16 17 18 19	20 21	22 23 24 25 26 27 28	29 30 31 32 33 34	35 36	37 38	39 40
1	CCCU	5 5 0					S S		
		6 2 0					S S		
		8 2 5					S S		
		8 4 5					S S		
5		7 6 0					S S		
							S S		
10									
15									
25									

SITE DRAINAGE	VEGETATION	SLOPE	SLOPE DIRECTION	SAMPLE DEPTH	HORIZON SAMPLED	COLOR	% CLAY	% SILT	% SAND	% GRAVEL	% ORGANICS	MAX PART SIZE	% PARTICLES	COATINGS	COATINGS	ROCK FRAGMENTS TYPE 1	TYPE 2	TYPE 3	PARENT MATERIAL	% RESIDUAL
41 42	43 44	45 46	47 48 49	50 51 52	53 54	55 56 57	58	59	60	61	62	63	64	65 66 67	68	69 70 71	72 73 74	75 76 77	78	79
F	T	2 5	3 2 4	0 2 5	B 1	4 U	=	F	4	1 1	0 P	4				A G G			C	F
F	D	2 7	3 3 0	0 3 5	B 1	4 U	1	7	2		P	2							C	F
F	A	3 1	3 2 5	0 3 5	B 1	4 U	=	7	2	1 1	P	2							C	F
F	F	2 8	2 9 8	0 3 5	B 1	4 U	=	6	3	1 1	P	3				A N D			C	F
F	A	2 7	3 1 4	0 2 5	B 1	4 U	1	6	3		P	3							C	F
F	A	1 6	4 1 0	1 0 5	B 1	5 U	1	6	2	1	P	2				A N D	C A U		C	F
10																				
15																				
25																				

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40

41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79

SOIL

VENTURE NUMBER: V 0 3 3

VENTURE NAME:

SAMPLED: DAY 1 3 | MONTH 0 9 | YEAR 8 9 | BY A A R | ASSTD. BY 0 G R

COMPANY: PROJECT

Dave George Rowlek
Adriana Ross

AZIMUTH OF +VE EAST OF

GRID TRUE NORTH

WEATHER

N. T. S.

SHEET No. 01 of

OR PROJECT AND SUB PROJECT

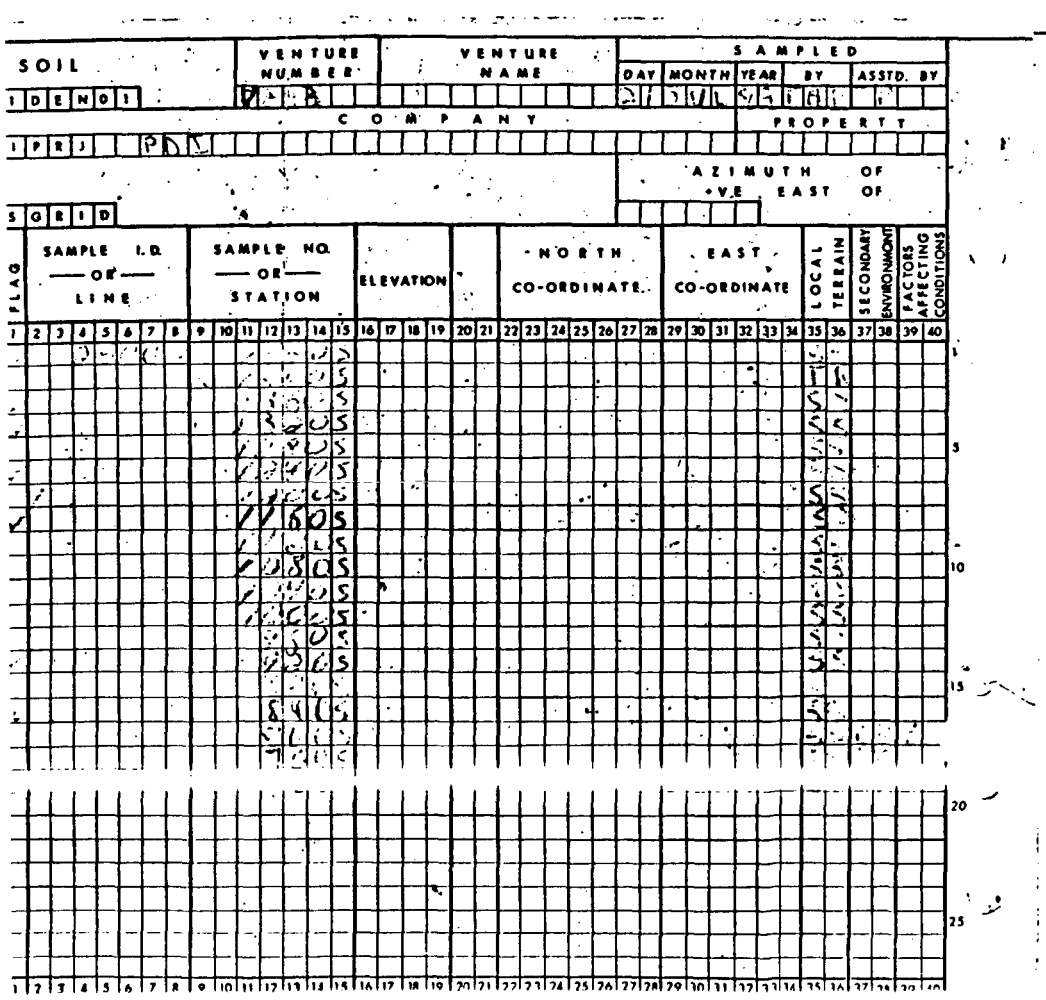
UTM CO-ORDINATES OF GRID ORIGIN

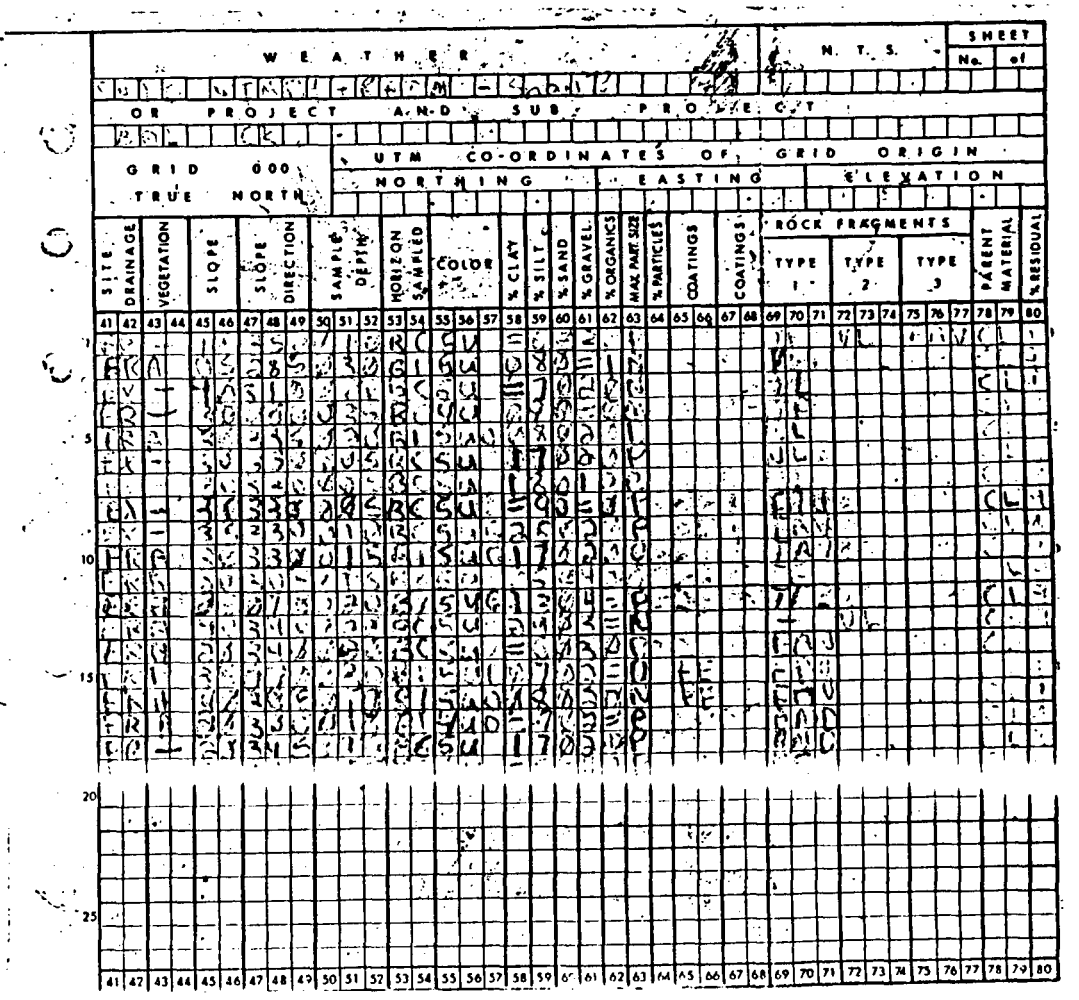
NORTHING | EASTING | ELEVATION

GRID 000

FLAG	SAMPLE I.D. — OR — LINE	SAMPLE NO. — OR — STATION	ELEVATION		NORTH CO-ORDINATE	EAST CO-ORDINATE	LOCAL TERRAIN	SECONDARY ENVIRONMENT	FACTORS AFFECTING CONDITIONS
1	2 3 4 5 6 7 8	9 10 11 12 13 14 15	16 17 18 19	20 21	22 23 24 25 26 27 28	29 30 31 32 33 34	35	36 37	38 39 40

SITE DRAINAGE	VEGETATION	SLOPE	SLOPE DIRECTION	SAMPLE DEPTH	HORIZON SAMPLED	COLOR	% CLAY	% SILT	% SAND	% GRAVEL	% ORGANICS	MAX. PART. SIZE	% PARTICLES	COATINGS	COATINGS	ROCK FRAGMENTS TYPE 1	ROCK FRAGMENTS TYPE 2	ROCK FRAGMENTS TYPE 3	PARENT MATERIAL	% RESIDUAL
41 42	43 44	45 46	47 48 49	50 51 52	53 54	55 56 57	58 59	60 61	62 63	64	65 66 67	68	69 70 71	72 73 74	75 76 77	78	79	80		


SOIL
VENTURE NUMBER
VENTURE NAME
SAMPLED
DAY
MONTH
YEAR
BY
ASSTD. BY
COMPANY
PROPERTY
AZIMUTH OF +VE EAST OF
GRID
SAMPLE I.D. — OR — LINE
SAMPLE NO. — OR — STATION
ELEVATION
NORTH CO-ORDINATE
EAST CO-ORDINATE
LOCAL TERRAIN
SECONDARY ENVIRONMENT
FACTORS AFFECTING CONDITIONS
FLAG


WEATHER
N. T. S.
SHEET
No.
of
OR PROJECT AND SUB PROJECT
GRID 000 TRUE NORTH
UTM CO-ORDINATES OF GRID ORIGIN
NORTHING
EASTING
ELEVATION
SITE DRAINAGE
VEGETATION
SLOPE
SLOPE DIRECTION
SAMPLE DEPTH
HORIZON SAMPLED
COLOUR
% CLAY
% SILT
% SAND
% GRAVEL
% ORGANICS
MAX. PART. SIZE
% PARTICLES
COATINGS
COATINGS
ROCK FRAGMENTS
TYPE 1
TYPE 2
TYPE 3
PARENT MATERIAL
% RESIDUAL

SOIL

VENTURE NUMBER

VENTURE NAME

SAMPLED — DAY | MONTH | YEAR | BY | ASSTD. BY

COMPANY

PROPERTY

AZIMUTH OF +VE EAST OF

GRID

FLAG

SAMPLE I.D. — OR — LINE

SAMPLE NO. — OR — STATION

ELEVATION

NORTH CO-ORDINATE

EAST CO-ORDINATE

LOCAL TERRAIN

SECONDARY ENVIRONMENT

FACTORS AFFECTING CONDITIONS

WEATHER

N. T. S.

SHEET No. of

OR PROJECT AND SUB PROJECT

GRID 000 TRUE NORTH

UTM CO-ORDINATES OF GRID ORIGIN

NORTHING

EASTING

ELEVATION

SITE DRAINAGE

VEGETATION

SLOPE

SLOPE DIRECTION

SAMPLE DEPTH

HORIZON SAMPLED

COLOR

% CLAY

% SILT

% SAND

% GRAVEL

% ORGANICS

MAX. PART. SIZE

% PARTICLES

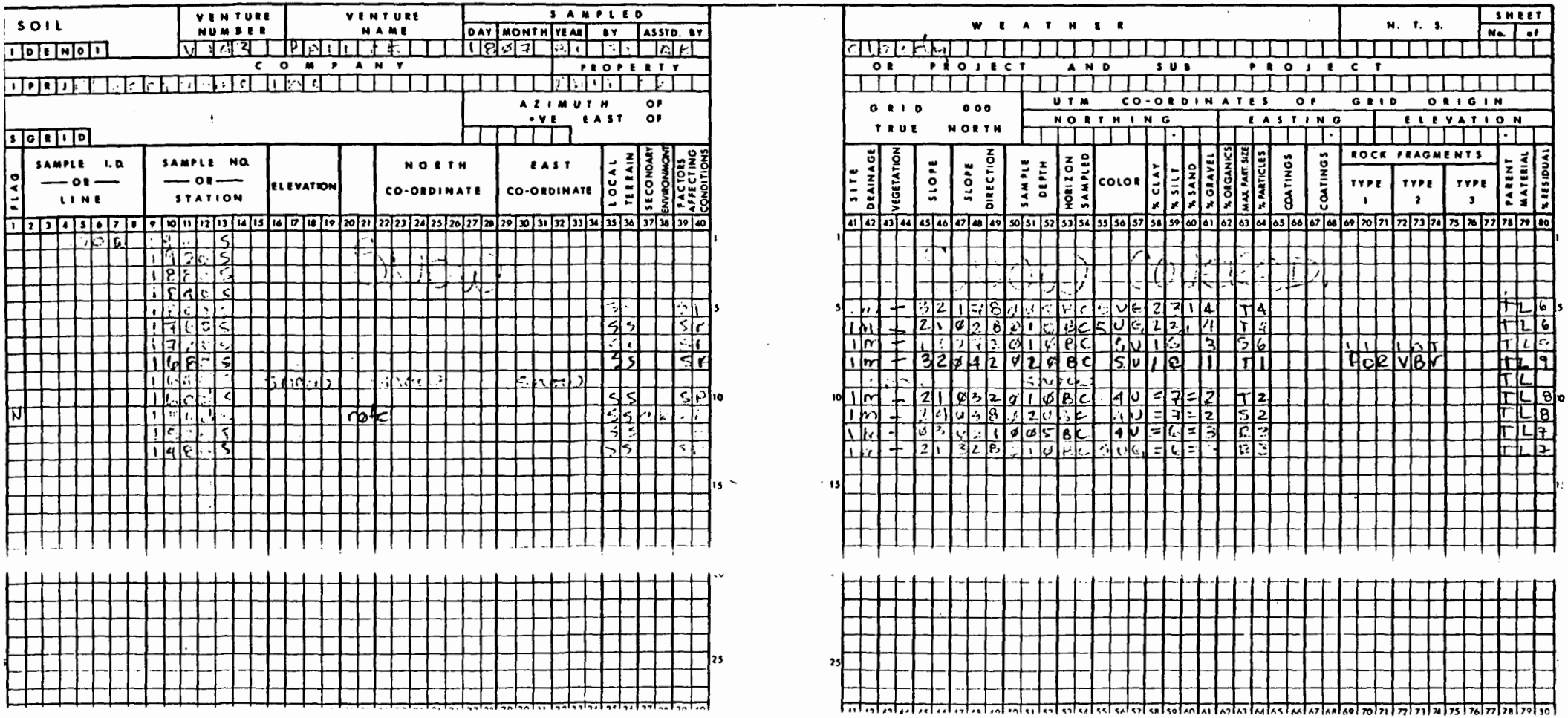
COATINGS

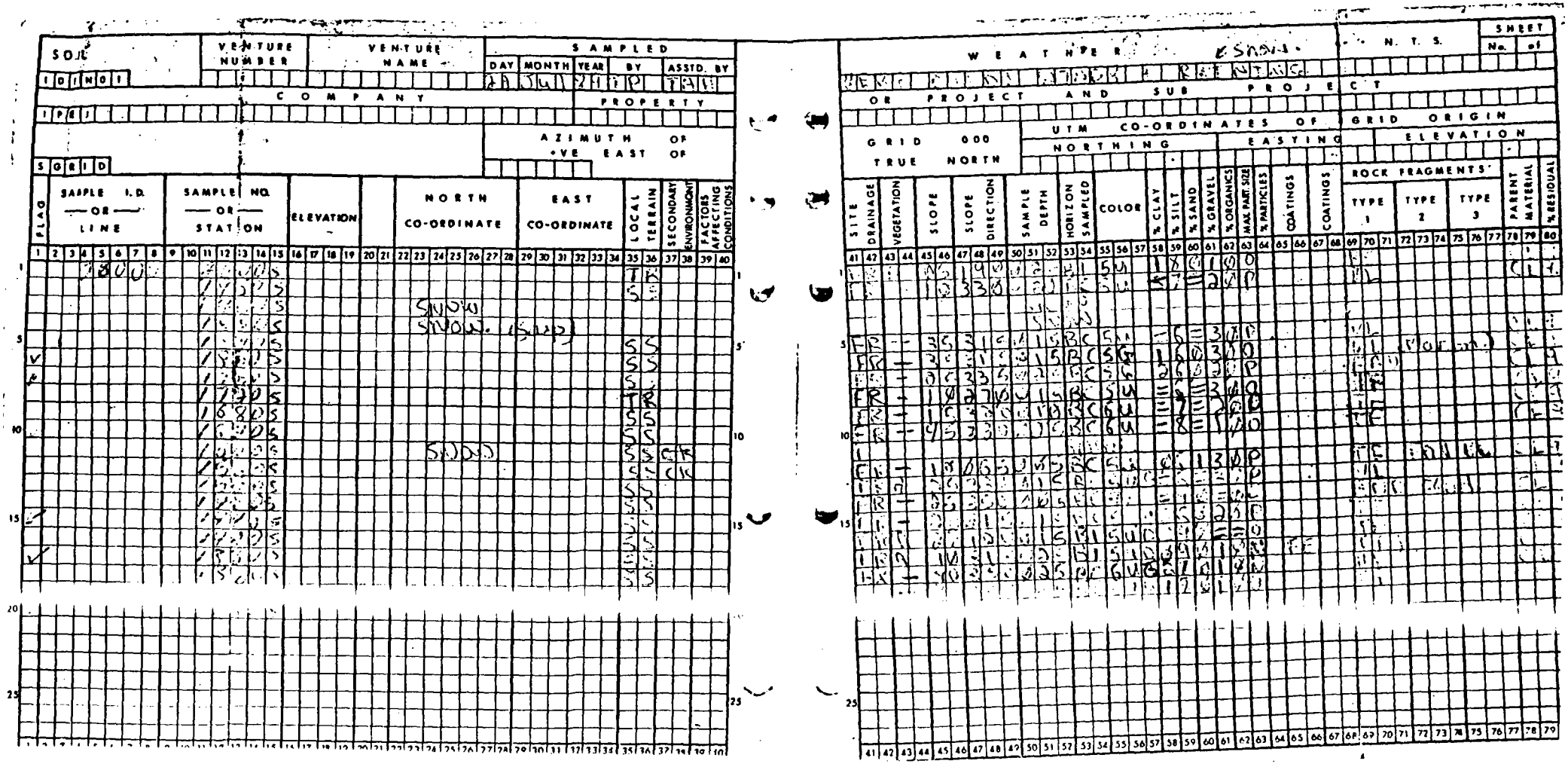
COATINGS

ROCK FRAGMENTS — TYPE 1 | TYPE 2 | TYPE 3

PARENT MATERIAL

% RESIDUAL


SOIL
VENTURE NUMBER
VENTURE NAME
SAMPLED
DAY
MONTH
YEAR
BY
ASSTD. BY
IDENOI
COMPANY
PROPERTY
IPRJ
AZIMUTH OF +VE EAST OF
SGRID
WEATHER
N. T. S.
SHEET
No.
of
OR PROJECT AND SUB PROJECT
GRID 000 TRUE NORTH
UTM CO-ORDINATES OF GRID ORIGIN
NORTHING
EASTING
ELEVATION
FLAG
SAMPLE I.D. — OR — LINE
SAMPLE NO. — OR — STATION
ELEVATION
NORTH CO-ORDINATE
EAST CO-ORDINATE
LOCAL TERRAIN
SECONDARY ENVIRONMENT
FACTORS AFFECTING CONDITIONS
SITE
DRAINAGE
VEGETATION
SLOPE
SLOPE DIRECTION
SAMPLE DEPTH
HORIZON SAMPLED
COLOR
% CLAY
% SILT
% SAND
% GRAVEL
% ORGANICS
MAX PART SIZE
% PARTICLES
COATINGS
COATINGS
ROCK FRAGMENTS
TYPE 1
TYPE 2
TYPE 3
PARENT MATERIAL
% RESIDUAL


SOIL
VENTURE NUMBER
VENTURE NAME
SAMPLED
DAY
MONTH
YEAR
BY
ASSTD. BY
COMPANY
PROPERTY
AZIMUTH OF +VE EAST OF
GRID
WEATHER
SNOW
N. T. S.
SHEET
No.
of
GRID 000 TRUE NORTH
OR PROJECT AND SUB PROJECT
UTM CO-ORDINATES OF GRID ORIGIN
NORTHING
EASTING
ELEVATION
FLAG
SAMPLE I.D. — OR — LINE
SAMPLE NO. — OR — STATION
ELEVATION
NORTH CO-ORDINATE
EAST CO-ORDINATE
LOCAL TERRAIN
SECONDARY ENVIRONMENT FACTORS AFFECTING CONDITIONS
SITE DRAINAGE
VEGETATION
SLOPE
SLOPE DIRECTION
SAMPLE DEPTH
HORIZON SAMPLED
COLOR
% CLAY
% SILT
% SAND
% GRAVEL
% ORGANICS
MAX. PART. SIZE
% PARTICLES
COATINGS
COATINGS
ROCK FRAGMENTS
TYPE 1
TYPE 2
TYPE 3
PARENT MATERIAL
% RESIDUAL
SNOW
SNOW (SNOW)
SNOW

SOIL

VENTURE NUMBER: 0143

VENTURE NAME

SAMPLED: DAY 16 | MONTH 07 | YEAR 89 | BY DGR | ASSTD. BY AMR

IDENDI

COMPANY

PROPERTY

IPRJPLACE DMT PNC

Adrienne Ross
Dave Rowlek

AZIMUTH OF +VE EAST OF

SGBID

WEATHER: OVERCAST

N. T. S.

SHEET No. 1 of 1

OR PROJECT AND SUB PROJECT

GRID ; 000 TRUE NORTH

UTM CO-ORDINATES OF GRID ORIGIN

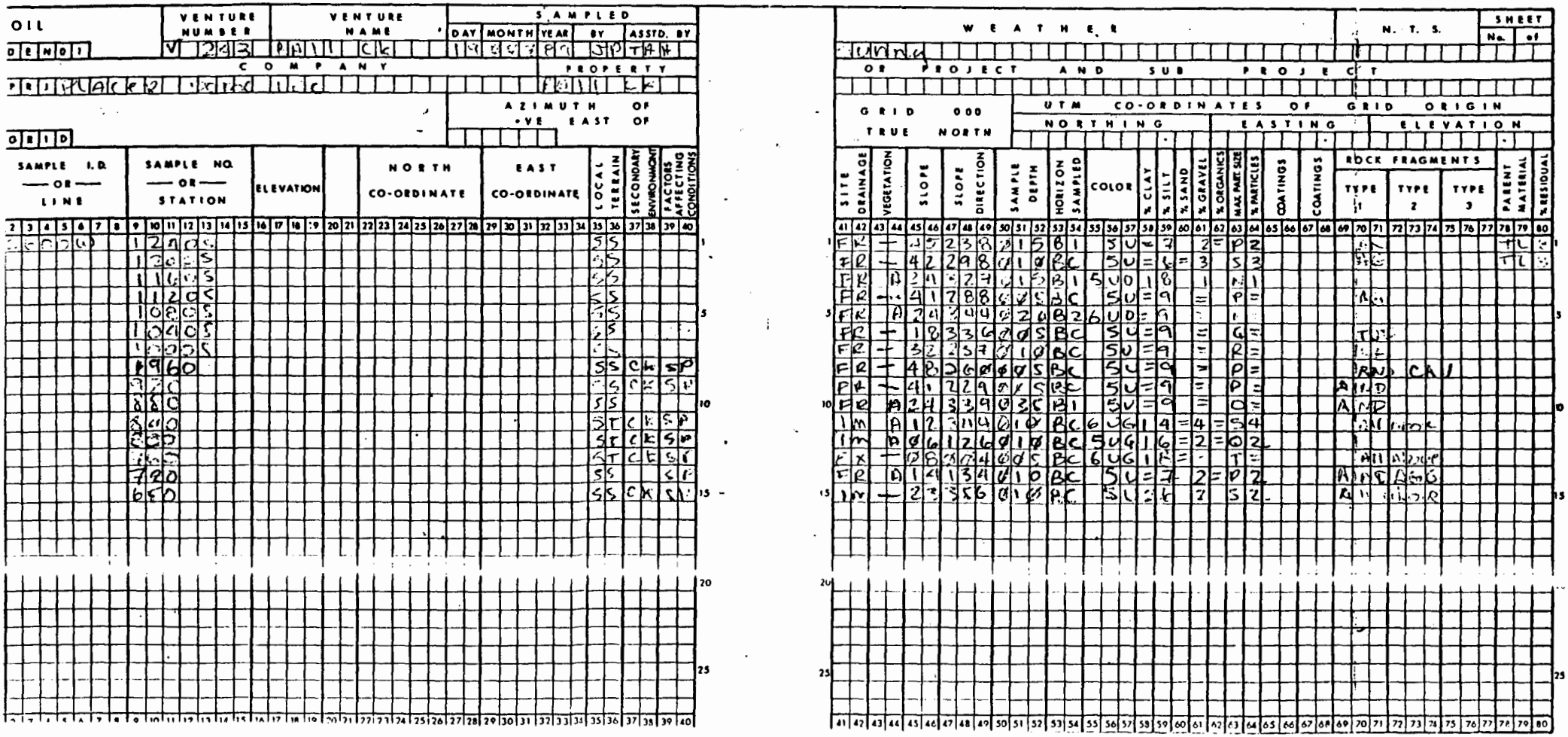
NORTHING | EASTING | ELEVATION

FLAG	SAMPLE I.D. — OR — LINE	SAMPLE NO. — OR — STATION	ELEVATION		NORTH CO-ORDINATE	EAST CO-ORDINATE	LOCAL TERRAIN	SECONDARY ENVIRONMENT	FACTORS AFFECTING CONDITIONS
1	2 3 4 5 6 7 8	9 10 11 12 13 14 15	16 17 18 19	20 21	22 23 24 25 26 27 28	29 30 31 32 33 34	35 36	37 38	39 40

SITE	DRAINAGE	VEGETATION	SLOPE	SLOPE	DIRECTION	SAMPLE DEPTH	HORIZON SAMPLED	COLOR	% CLAY	% SILT	% SAND	% GRAVEL	% ORGANICS	MAX. PART. SIZE	% PARTICLES	COATINGS	COATINGS	ROCK FRAGMENTS TYPE 1	ROCK FRAGMENTS TYPE 2	ROCK FRAGMENTS TYPE 3	PARENT MATERIAL	% RESIDUAL
41	42	43 44	45	46	47 48 49	50 51 52	53 54	55 56 57	58	59	60	61	62	63	64 65	66 67	68	69 70 71	72 73 74	75 76 77	78	79 80

AGH!

CLIFF SAMPLES


OIL
VENTURE NUMBER
VENTURE NAME
SAMPLED
DAY
MONTH
YEAR
BY
ASSTD. BY
COMPANY
PROPERTY
AZIMUTH OF +VE EAST OF
GRID 000 TRUE NORTH
WEATHER
N. T. S.
SHEET No. of
OR PROJECT AND SUB PROJECT
UTM CO-ORDINATES OF GRID ORIGIN
NORTHING
EASTING
ELEVATION
SAMPLE I.D. — OR — LINE
SAMPLE NO. — OR — STATION
ELEVATION
NORTH CO-ORDINATE
EAST CO-ORDINATE
LOCAL TERRAIN
SECONDARY ENVIRONMENT
FACTORS AFFECTING CONDITIONS
SITE DRAINAGE
VEGETATION
SLOPE
SLOPE DIRECTION
SAMPLE DEPTH
HORIZON SAMPLED
COLOR
% CLAY
% SILT
% SAND
% GRAVEL
% ORGANICS
MAX. PART. SIZE
% PARTICLES
COATINGS
COATINGS
ROCK FRAGMENTS
TYPE 1
TYPE 2
TYPE 3
PARENT MATERIAL
% RESIDUAL

SOIL

VENTURE NUMBER: V243

VENTURE NAME

SAMPLED: DAY | MONTH | YEAR | BY | ASSTD. BY

I D E N D 1

COMPANY

PROPERTY

I P R J

AZIMUTH OF +VE EAST OF

S G R I D

WEATHER

N. T. S.

SHEET No. 01 of 02

OR PROJECT AND SUB PROJECT

GRID 000 TRUE NORTH

UTM CO-ORDINATES OF GRID ORIGIN

NORTHING | EASTING | ELEVATION

FLAG	SAMPLE I.D. — OR — LINE	SAMPLE NO. — OR — STATION	ELEVATION		NORTH CO-ORDINATE	EAST CO-ORDINATE	LOCAL TERRAIN	SECONDARY ENVIRONMENT	FACTORS AFFECTING CONDITIONS
1	2 3 4 5 6 7 8	9 10 11 12 13 14 15	16 17 18 19	20 21	22 23 24 25 26 27 28	29 30 31 32 33 34	35 36	37 38	39 40
1	27+00W	6+40S					BS	GV	
		6+80S					SS		
		7+20S					SS		
5		7+60S					SS	GV	
		8+00S					SS	GV	
		8+40S					SS	GV	
		8+80S					SS	GV	
		9+20S					SS		
		9+60S					SS		
10		10+00S					SS	ST	
		10+40S					SS	GV	
		10+80S					SS		
		11+20S					SS	SV	
		11+60S					SS	ST	
		12+00S					SS		BO
15		12+40S					SS		BO
		12+80S					SS		BO
		13+20S					SS		
		13+60S					SS		
20		14+00S					SS		
		14+40S					SS		
		14+80S					SS		
		15+20S					SS		
25		15+60S					SS		
		16+00S					SS		
		16+40S					SS		

Sorry Bore Too Small Now!

R Sample #100 TAKEN 15m E OF STATION

SITE DRAINAGE	VEGETATION	SLOPE	SLOPE DIRECTION	SAMPLE DEPTH	HORIZON SAMPLED	COLOR	% CLAY	% SILT	% SAND	% GRAVEL	% ORGANICS	MAX PART SIZE	% PARTICLES	COATINGS	COATINGS	ROCK FRAGMENTS TYPE 1	ROCK FRAGMENTS TYPE 2	ROCK FRAGMENTS TYPE 3	PARENT MATERIAL	% RESIDUAL
41 42	43 44	45 46	47 48 49	50 51 52	53 54	55 56 57	58 59 60			61	62 63		64	65 66	67 68	69 70 71	72 73 74	75 76 77	78 79	80
FR	A1	30	020	015	BC	SUT	152			23	.0	P	+	—	—	VL			LL	
FR	A2	30	024	020	BC	6TU	422			22	.0	P	+	—	—	VL			LL	
FR	A5	20	020	020	BC	SNU	225			22	.0	N	+	—	—	VL			LL	
FR	F6	15	000	015	A1	SUB	221			34	.0	M	+	—	—	VL			LL	
EX	A2	50	330	015	BC	6AU	211			44	.0	P	1	—	—	VL			LL	
EX	A1	50	330	020	BC	SAU	112			44	.0	N	2	—	—	VL			LL	
FR	A6	55	220	020	NC	6TU	611			11	.0	M	1	—	—	VL			LL	
EX	A2	40	290	025	BC	SAU	112			34	.0	P	1	—	—	VL			LL	
FR	A8	25	040	015	B1	SYU	117			15	.0	M	+	—	—	VL			CL	
FR	A5	20	050	025	BC	SAU	=22			25	.0	P	1	—	—	VL			CL	
FR	A8	40	300	020	BC	4NU	411			53	.0	N	2	—	—	VL			CL	
EX	A8	55	060	020	BC	SMA	151			53	.0	M	2	—	—	VL			BR	
EX	A1	60	100	015	XC	7A1	151			33	.0	M	1	—	—	VL			CL	
EX	—	55	340	020	BC	4NA	111			33	.0	O	4	—	—	VL			LL	
EX	—	50	225	026	BC	SUA	=11			11	.0	O	1	—	—	VL			LL	
EX	—	55	305	015	BC	SAU	=17			11	.0	N	=	—	—	VL			CL	
EX	—	60	030	015	BC	6AB	++8			12	.0	P	1	—	—	VL			CL	
EX	—	50	320	015	BC	7U6	121			10	.0	N	=	—	—	VL			TL	
EX	—	22	335	035	BC	SAU	214			30	.0	M	+	—	—	VL			LL	
FR	—	30	320	020	BC	4BU	221			30	.0	P	2	MW	—	VL			LL	
FR	—	20	350	015	BC	SAB	221			34	.0	O	=	—	—	VL			LL	
EX	—	35	330	020	BC	4BA	231			43	.0	N	2	—	—	VL			LL	
EX	—	22	330	025	BC	4MA	341			42	.0	P	1	—	—	VL			LL	
FX	—	22	330	025	BC	4MA	341			42	.0	N	=	—	—	VL			LL	

SOIL

VENTURE NUMBER | VENTURE NAME | SAMPLED: DAY | MONTH | YEAR | BY | ASSTD. BY

COMPANY | PROPERTY

AZIMUTH OF +VE EAST OF

FLAG	SAMPLE I.D. — OR — LINE	SAMPLE NO. — OR — STATION	ELEVATION		NORTH CO-ORDINATE	EAST CO-ORDINATE	LOCAL TERRAIN	SECONDARY ENVIRONMENT	FACTORS AFFECTING CONDITIONS
		16+20N					SS		
		SNOW					SS		
	27+00W	18+20S					1		
		19+20S					SS		
	MAGG TRENCH	10m WEST OF STATION					HP		
		19+60S					SS		
		20+00S					SS		

WEATHER | N. T. S. | SHEET No. of

OR PROJECT AND SUB PROJECT

GRID TRUE NORTH 000

UTM CO-ORDINATES OF GRID ORIGIN: NORTHING | EASTING | ELEVATION

SITE DRAINAGE	VEGETATION	SLOPE	SLOPE DIRECTION	SAMPLE DEPTH	HORIZON SAMPLED	COLOR	% CLAY	% SILT	% SAND	% GRAVEL	% ORGANICS	MAX. PART. SIZE	% PARTICLES	COATINGS	COATINGS	ROCK FRAGMENTS TYPE 1	TYPE 2	TYPE 3	PARENT MATERIAL	% RESIDUAL
FR	—	30	015	015	B	C5YA	5	12	83	0	0	1	—	—	VL			TL	
FR	—	35	335	015	B	C6GY	12	52	36	0	0	1	—	—	VL			TL	
FR	—	40	010	015	B	C5NY	12	43	45	0	0	1	—	—	VL			TL	
FR	—	25	070	020	B	C6TY	11	24	65	=	M+	—	—	VL				SL	
FR	—	20	180	025	B	C3YR	=	=	72	00	=	—	—	VL				SL	

SOIL

VENTURE NUMBER

VENTURE NAME

SAMPLED — DAY | MONTH | YEAR | BY | ASSTD. BY

IDENDI

COMPANY

PROPERTY

JPRJ

AZIMUTH OF +VE EAST OF

SGRID

FLAG	SAMPLE I.D. — OR — LINE	SAMPLE NO. — OR — STATION	ELEVATION		NORTH CO-ORDINATE	EAST CO-ORDINATE	LOCAL TERRAIN	SECONDARY ENVIRONMENT	FACTORS AFFECTING CONDITIONS
1 2 3 4 5 6 7 8	9 10 11 12 13 14 15	16 17 18 19	20 21	22 23 24 25 26 27 28	29 30 31 32 33 34	35 36	37 38	39 40

WEATHER

N. T. S.

SHEET No. of

OR PROJECT AND SUB - PROJECT

GRID 000 TRUE NORTH

UTM CO-ORDINATES OF GRID ORIGIN

NORTHING | EASTING | ELEVATION

SITE DRAINAGE	VEGETATION	SLOPE	SLOPE DIRECTION	SAMPLE DEPTH	HORIZON SAMPLED	COLOR	% CLAY	% SILT	% SAND	% GRAVEL	% ORGANICS	MAX. PART SIZE	% PARTICLES	COATINGS	COATINGS	ROCK FRAGMENTS TYPE 1	ROCK FRAGMENTS TYPE 2	ROCK FRAGMENTS TYPE 3	PARENT MATERIAL	% RESIDUAL
41 42	43 44	45 46	47 48 49	50 51 52	53 54	55 56 57	58 59 60	61	62 63	64 65 66	67 68	69 70 71	72 73 74	75 76 77	78 79	80

SOIL

VENTURE NUMBER: VI-243

VENTURE NAME:

SAMPLED: DAY 18 MONTH 07 YEAR 89 BY JT ASSTD. BY AK

I D E N O I

COMPANY

PROPERTY

I P R J

AZIMUTH OF +VE EAST OF

S G R I D

WEATHER

N. T. S.

SHEET No. of

OR PROJECT AND SUB PROJECT

GRID 000 TRUE NORTH

UTM CO-ORDINATES OF GRID ORIGIN

NORTHING | EASTING | ELEVATION

FLAG	SAMPLE I.D. — OR — LINE	SAMPLE NO. — OR — STATION	ELEVATION	NORTH CO-ORDINATE	EAST CO-ORDINATE	LOCAL TERRAIN	SECONDARY ENVIRONMENT	FACTORS AFFECTING CONDITIONS
R	22	20				GV		
	22	20						
		19						
		18				RG		
		17						
		16						
		15						
		14						
		13						
		12						
		11						
		10						
		9						
		8						
		7						
		6						
		5						
		4						
		3						
		2						
		1						
		0						
		1						
		2						
		3						
		4						
		5						
		6						
		7						
		8						
		9						
		10						
		11						
		12						
		13						
		14						
		15						
		16						
		17						
		18						
		19						
		20						
		21						
		22						
		23						
		24						
		25						

SNOW

SEE note 4

SITE DRAINAGE	VEGETATION	SLOPE	SLOPE DIRECTION	SAMPLE DEPTH	HORIZON SAMPLED	COLOR	% CLAY	% SILT	% SAND	% GRAVEL	% ORGANICS	MAX. PART. SIZE	% PARTICLES	COATINGS	COATINGS	ROCK FRAGMENTS TYPE 1	ROCK FRAGMENTS TYPE 2	ROCK FRAGMENTS TYPE 3	PARENT MATERIAL	% RESIDUAL
FR	—	25	140	02	X	4A N	1					N								
FR	A	20	288	030		6UT	1									VL				
FR	A	10	330	030		8AU	1					2N				VL		IM1		
FR	—	20	330	020		6UT	2					2N				VL				
IM	—	05	020	025		A	1					N				VL				
FR	A	35	830	030		A	1					N				VL				
FR	—	36	330	025		A	1					N				VL				
FR	—	28	1	025			1					N				VL				
FR	A	25	330	025			1					N				VL				
FR	A	15	330	030			1					R				VL				
FR	—	30	016	020			1					R				VL				
FR	A	25	016	020			1									VL				
TR	A	30	290	010			1					R				VL				
FR	A	20	290	030			1					R				VL				
FR	A	25	160	020			1									VL				
FR	A	25	160	010			1									VL				
FR	—	25	130	020			1									VL				
FR	A	25	020	030			1									VL				
FR	A	25	020	030			1									VL				
FR	A	25	020	030			1									VL				
FR	A	25	020	030			1									VL				

SOIL

DEND

PROJ

GRID

VENTURE NUMBER

VENTURE NAME

SAMPLED: DAY | MONTH | YEAR | BY | ASSTD. BY

COMPANY

PROPERTY

AZIMUTH OF +VE EAST OF

WEATHER

N. T. S.

SHEET No. of

OR PROJECT AND SUB PROJECT

GRID 000 TRUE NORTH

UTM CO-ORDINATES OF GRID ORIGIN: NORTHING | EASTING | ELEVATION

SAMPLE I.D. — OR — LINE	SAMPLE NO. — OR — STATION	ELEVATION	NORTH CO-ORDINATE	EAST CO-ORDINATE	LOCAL TERRAIN	SECONDARY ENVIRONMENT	FACTORS AFFECTING CONDITIONS
2 3 4 5 6 7 8	9 10 11 12 13 14 15	16 17 18 19	20 21 22 23 24 25 26 27 28	29 30 31 32 33 34	35 36	37 38	39 40

SITE DRAINAGE	VEGETATION	SLOPE	SLOPE DIRECTION	SAMPLE DEPTH	HORIZON SAMPLED	COLOR	% CLAY	% SILT	% SAND	% GRAVEL	% ORGANICS	MAX. PART. SIZE	% PARTICLES	COATINGS	COATINGS	ROCK FRAGMENTS TYPE 1	ROCK FRAGMENTS TYPE 2	ROCK FRAGMENTS TYPE 3	PARENT MATERIAL	% RESIDUAL
41 42	43 44	45 46	47 48 49	50 51 52	53 54	55 56 57	58	59	60	61	62	63	64 65	66 67	68	69 70 71	72 73 74	75 76 77	78	79 80

SOIL

VENTURE NUMBER: V243

VENTURE NAME: PANIC CK

SAMPLED: DAY 13 MONTH 07 YEAR 89 BY JP ASSTD. BY WH

COMPANY: PLACER DOME INC

PROPERTY: PANIC

SOIL ID: NO1

AZIMUTH OF +VE EAST OF

SOIL GRID: NO

WEATHER: CLOUDY & COOL

N. T. S.

SHEET No. of

OR PROJECT AND SUB PROJECT

GRID 000 TRUE NORTH

UTM CO-ORDINATES OF GRID ORIGIN

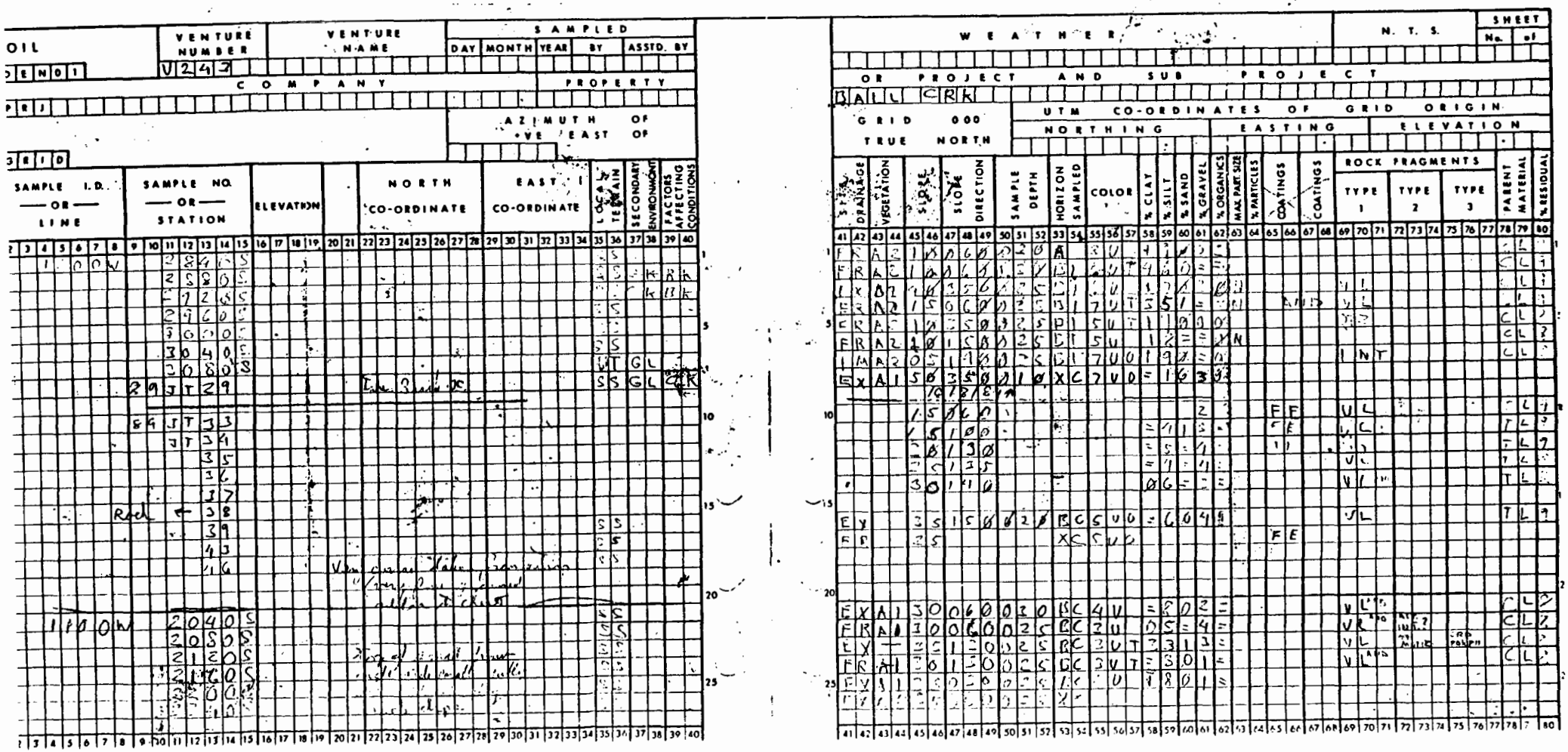
NORTHING

EASTING

ELEVATION

FLAG	SAMPLE I.D. — OR — LINE	SAMPLE NO. — OR — STATION	ELEVATION		NORTH CO-ORDINATE	EAST CO-ORDINATE	LOCAL TERRAIN	SECONDARY ENVIRONMENT	FACTORS AFFECTING CONDITIONS
1	2 3 4 5 6 7 8	9 10 11 12 13 14 15	16 17 18 19	20 21	22 23 24 25 26 27 28	29 30 31 32 33 34	35 36	37 38	39 40
		2200					SS		
		2240					SS		
		2280					SS		
		2320					SS		
		2360					SS		
		2400					TR		
		2440					TR		

FLAG	SITE DRAINAGE	VEGETATION	SLOPE	SLOPE DIRECTION	SAMPLE DEPTH	HORIZON SAMPLED	COLOR	% CLAY	% SILT	% SAND	% GRAVEL	% ORGANICS	MAX. PART. SIZE	% PARTICLES	COATINGS	COATINGS	ROCK FRAGMENTS TYPE 1	ROCK FRAGMENTS TYPE 2	ROCK FRAGMENTS TYPE 3	PARENT MATERIAL	% RESIDUAL
1	41 42	43 44	45 46	47 48 49	50 51 52	53 54	55 56 57	58	59 60	61	62	63	64	65 66	67 68	69 70	71 72 73 74	75 76 77	78	79	80
			28	129	11	BC	4UB	2		3		D	8								
		B	22	152	02	1	5U	11	5	4	=	D	4								
			22	152	02	1	5U	1	8	1		R	1								
			80	218	15	B	5U	1	6	2		R	2			2					
			11	126	06	C	4U	11	2	5		R	6								
			26	10	02	BC	AU	11	6	3		R	3								
			11	11	01	C	2U	1	7	2		T	2								
			26	120	02	BC	4UA	2	6	2		T	2			S	D	V		T	L
			19	171	01	BC	4UA	2	7	1		D	1				D	V		T	L
			08	162	04	BC	4U	1	8	1	=	P	1	MU			D	V		T	L
		A	11	—	04	B	4U	1	8	=	=	N	=							C	L
		A	11	248	03	B	4U	=	9	=	=	N	=							C	L


OIL
VENTURE NUMBER
V243
VENTURE NAME
SAMPLED
DAY
MONTH
YEAR
BY
ASSTD. BY
COMPANY
PROPERTY
AZIMUTH OF +VE EAST OF
SAMPLE I.D. — OR — LINE
SAMPLE NO. — OR — STATION
ELEVATION
NORTH CO-ORDINATE
EAST CO-ORDINATE
LOCALITY TERRAIN
SECONDARY ENVIRONMENT
FACTORS AFFECTING CONDITIONS
Rock
WEATHER
N. T. S.
SHEET No. of
OR PROJECT AND SUB PROJECT
BALL CRK
GRID 000 TRUE NORTH
UTM CO-ORDINATES OF GRID ORIGIN
NORTHING
EASTING
ELEVATION
SITE DRAINAGE
VEGETATION
SURFACE
SLOPE
DIRECTION
SAMPLE DEPTH
HORIZON SAMPLED
COLOR
% CLAY
% SILT
% SAND
% GRAVEL
% ORGANICS
MAX PART SIZE
% PARTICLES
COATINGS
COATINGS
ROCK FRAGMENTS
TYPE 1
TYPE 2
TYPE 3
PARENT MATERIAL
% RESIDUAL

SOIL

DEN01

VENTURE NUMBER: V2K3

VENTURE NAME

SAMPLED: DAY | MONTH | YEAR | BY | ASSTD. BY

COMPANY

PROPERTY

PRJ

GRID

AZIMUTH OF +VE EAST OF

WEATHER

N. T. S.

SHEET No. of

OR PROJECT AND SUB PROJECT

BALK CRK

GRID 000 TRUE NORTH

UTM CO-ORDINATES OF GRID ORIGIN: NORTHING | EASTING | ELEVATION

SAMPLE I.D. — OR — LINE	SAMPLE NO. — OR — STATION	ELEVATION	NORTH CO-ORDINATE	EAST CO-ORDINATE	LOCAL TERRAIN	SECONDARY ENVIRONMENT	FACTORS AFFECTING CONDITIONS
1	100						
1	310						
1	200						
1	810						
2	710						
2	610						
2	410						
2	210						
2	110						
200							
1	210						
1	110						
1	010						
7	110						
8	150						

SITE DRAINAGE	VEGETATION	SLOPE	SLOPE DIRECTION	SAMPLE DEPTH	HORIZON SAMPLED	COLOR	% CLAY	% SILT	% SAND	% GRAVEL	% ORGANICS	MAX. PART. SIZE	% PARTICLES	COATINGS	COATINGS	ROCK FRAGMENTS TYPE 1	ROCK FRAGMENTS TYPE 2	ROCK FRAGMENTS TYPE 3	PARENT MATERIAL	% RESIDUAL
					BC	5U		08	01										CL	
					BC	5UT	1	1	15		CP								CL	
					BC	5UT	1	3	15		DP					VL			CL	
					BC	4A		02	08		02					VL			CL	
					BC	5UT	2	7	01		E					VL			CL	
					BC	5UT	2	7	*		0									
					BC	4U	2	7	1	10										
					BC	4UA	0	3	16							VL				
					BC	CUT	3	5	1	5										
1	IN	SP	05	100	02	5	B1	5U	00	02	11	0	P			VL			CL	
EX	—	—	11	26	—	1	1	BK	5	U		13	1	5	A				TL	
FR	SP	35	56	06	65		BE	4U	N	=	1	05	4							
FR	SP	11	05	00	05		BE	4D	R	=	1	-	5	X						

SOIL

VENTURE NUMBER

VENTURE NAME

SAMPLED: DAY | MONTH | YEAR | BY | ASSTD. BY

COMPANY

PROPERTY

AZIMUTH OF +VE EAST OF

GRID

FLAG	SAMPLE I.D. — OR — LINE	SAMPLE NO. — OR — STATION	ELEVATION		NORTH CO-ORDINATE	EAST CO-ORDINATE	LOCAL TERRAIN	SECONDARY ENVIRONMENT	FACTORS AFFECTING CONDITIONS
1 2 3 4 5 6 7 8	9 10 11 12 13 14 15	16 17 18 19	20 21	22 23 24 25 26 27 28	29 30 31 32 33 34	35 36	37 38	39 40

WEATHER

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SHEET No. of

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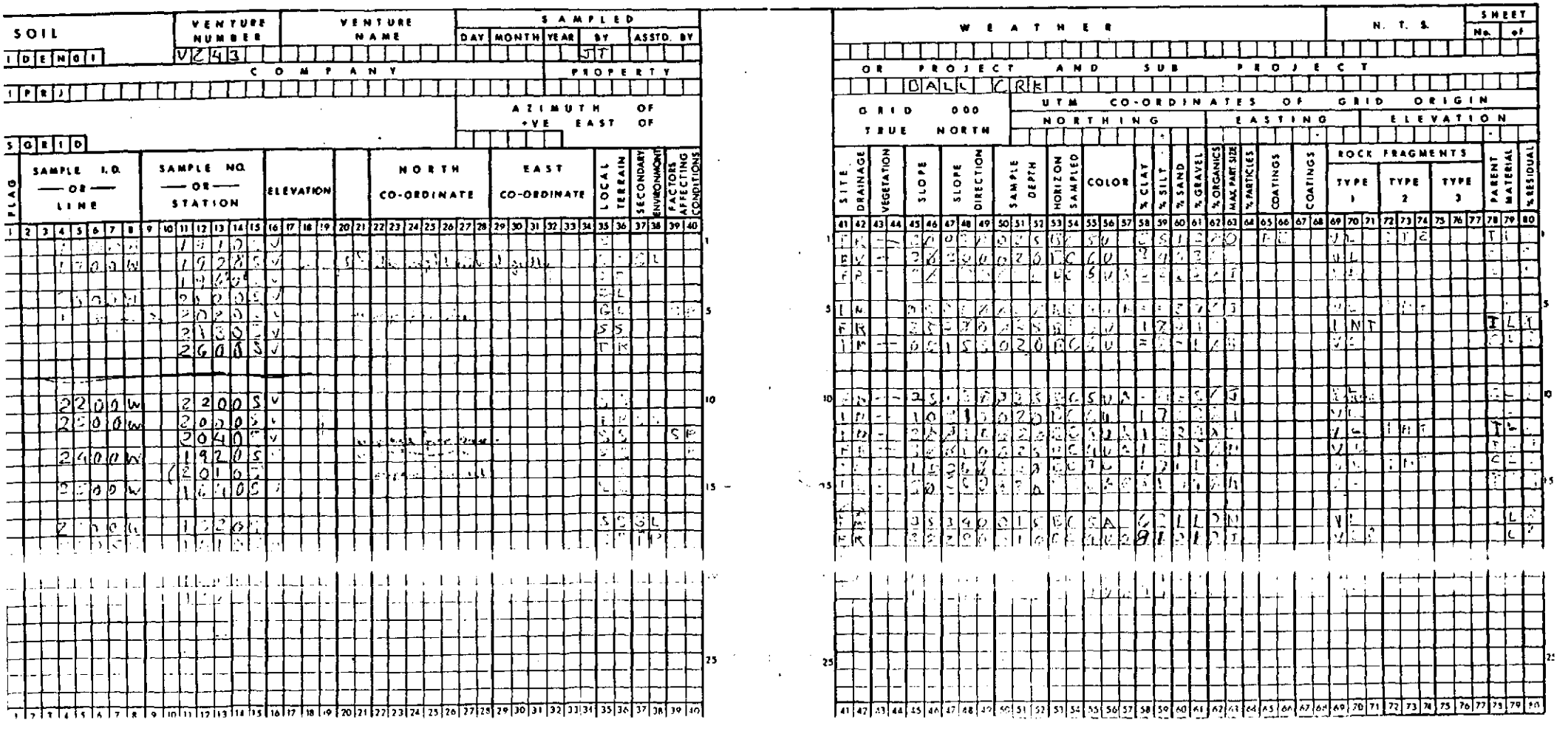
BALL CRK

GRID 000 TRUE NORTH

UTM CO-ORDINATES OF GRID ORIGIN

NORTHING | EASTING | ELEVATION

SITE DRAINAGE	VEGETATION	SLOPE	SLOPE DIRECTION	SAMPLE DEPTH	HORIZON SAMPLED	COLOR	% CLAY	% SILT	% SAND	% GRAVEL	% ORGANICS	MAX. PART. SIZE	% PARTICLES	COATINGS	COATINGS	ROCK FRAGMENTS TYPE 1	ROCK FRAGMENTS TYPE 2	ROCK FRAGMENTS TYPE 3	PARENT MATERIAL	% RESIDUAL
41 42	43 44	45 46	47 48 49	50 51 52	53 54	55 56 57	58	59	60	61	62	63	64	65 66	67 68	69 70 71	72 73 74	75 76 77	78	79 80


SOIL
VENTURE NUMBER
VENTURE NAME
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YEAR
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FLAG
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NORTH CO-ORDINATE
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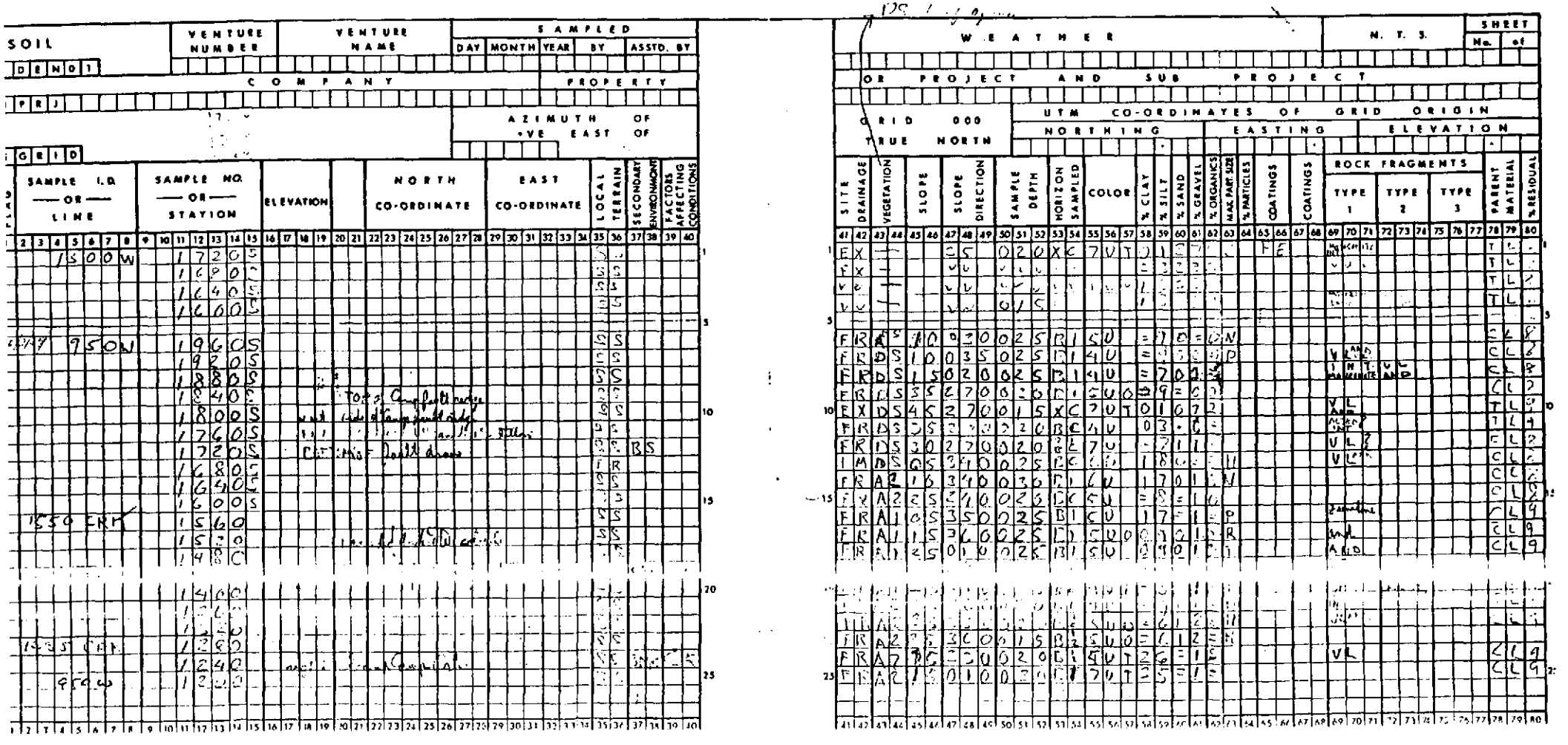
LOCAL TERRAIN
SECONDARY ENVIRONMENT
FACTORS AFFECTING CONDITIONS
SITE DRAINAGE
VEGETATION
SLOPE
SLOPE DIRECTION
SAMPLE DEPTH
HORIZON SAMPLED
COLOR
% CLAY
% SILT
% SAND
% GRAVEL
% ORGANICS
MAX. PART. SIZE
% PARTICLES
COATINGS
COATINGS
ROCK FRAGMENTS
TYPE 1
TYPE 2
TYPE 3
PARENT MATERIAL
% RESIDUAL


SOIL
VENTURE NUMBER
VENTURE NAME
SAMPLED
DAY
MONTH
YEAR
BY
ASSTD. BY
COMPANY
PROPERTY
AZIMUTH OF +VE EAST OF
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SAMPLE NO. — OR — STATION
ELEVATION
NORTH CO-ORDINATE
EAST CO-ORDINATE
LOCAL TERRAIN
SECONDARY ENVIRONMENT
FACTORS AFFECTING CONDITIONS
WEATHER
N. T. S.
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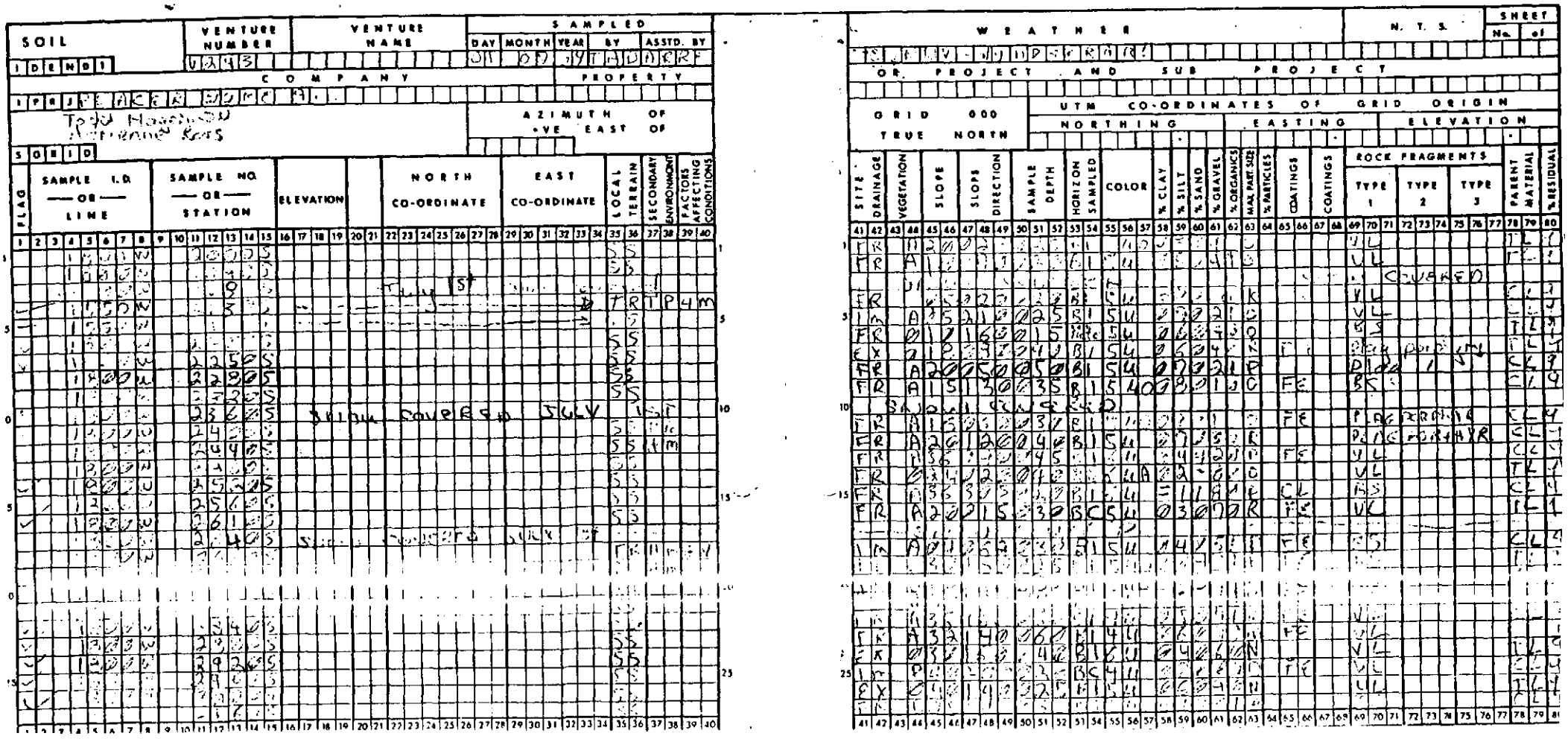
No.
of
OR PROJECT AND SUB PROJECT
GRID 000 TRUE NORTH
UTM CO-ORDINATES OF GRID ORIGIN
NORTHING
EASTING
ELEVATION
SITE DRAINAGE
VEGETATION
SLOPE
SLOPE DIRECTION
SAMPLE DEPTH
HORIZON SAMPLED
COLOR
% CLAY
% SILT
% SAND
% GRAVEL
% ORGANICS
MAX. PART. SIZE
% PARTICLES
COATINGS
COATINGS
ROCK FRAGMENTS
TYPE 1
TYPE 2
TYPE 3
PARENT MATERIAL
% RESIDUAL


SOIL
VENTURE NUMBER
VENTURE NAME
SAMPLED
DAY
MONTH
YEAR
BY
ASSTD. BY
COMPANY
PROPERTY
AZIMUTH OF +VE EAST OF
WEATHER
N. T. S.
SHEET
OR PROJECT AND SUB PROJECT
GRID 000 TRUE NORTH
UTM CO-ORDINATES OF GRID ORIGIN
NORTHING
EASTING
ELEVATION
FLAG
SAMPLE I.D. — OR — LINE
SAMPLE NO. — OR — STATION
ELEVATION
NORTH CO-ORDINATE
EAST CO-ORDINATE
LOCAL TERRAIN
SECONDARY ENVIRONMENT
FACTORS AFFECTING CONDITIONS
SITE
DRAINAGE
VEGETATION
SLOPE
SLOPE DIRECTION
SAMPLE DEPTH
HORIZON SAMPLED
COLOR
% CLAY
% SILT
% SAND
% GRAVEL
% ORGANICS
MAX. PART SIZE
% PARTICLES
COATINGS
COATINGS
ROCK FRAGMENTS
TYPE 1
TYPE 2
TYPE 3
PARENT MATERIAL
% RESIDUAL

SOIL

VENTURE NUMBER: 1243

VENTURE NAME:

SAMPLED: DAY 01 MONTH 09 YEAR 81 BY TMD ASSTD. BY ADR

IDENO1

COMPANY: PRIVATE

PROPERTY: WHC

Adrienne Ross - Todd H.

AZIMUTH OF +VE EAST OF

SGRID

FLAG	SAMPLE I.D. — OR — LINE	SAMPLE NO. — OR — STATION	ELEVATION		NORTH CO-ORDINATE	EAST CO-ORDINATE	LOCAL TERRAIN	SECONDARY ENVIRONMENT	FACTORS AFFECTING CONDITIONS
	1 2 3 4 5 6 7 8	9 10 11 12 13 14 15	16 17 18 19	20 21	22 23 24 25 26 27 28	29 30 31 32 33 34	35 36	37 38	39 40
1	1 2 3 4 5	30 40 S					SU		
		30 80 S					SU		
		31 20 S					BS	SP	
		31 60 S					SS		
5		32 00 S					TP		

WEATHER

N. T. S.

SHEET No. of

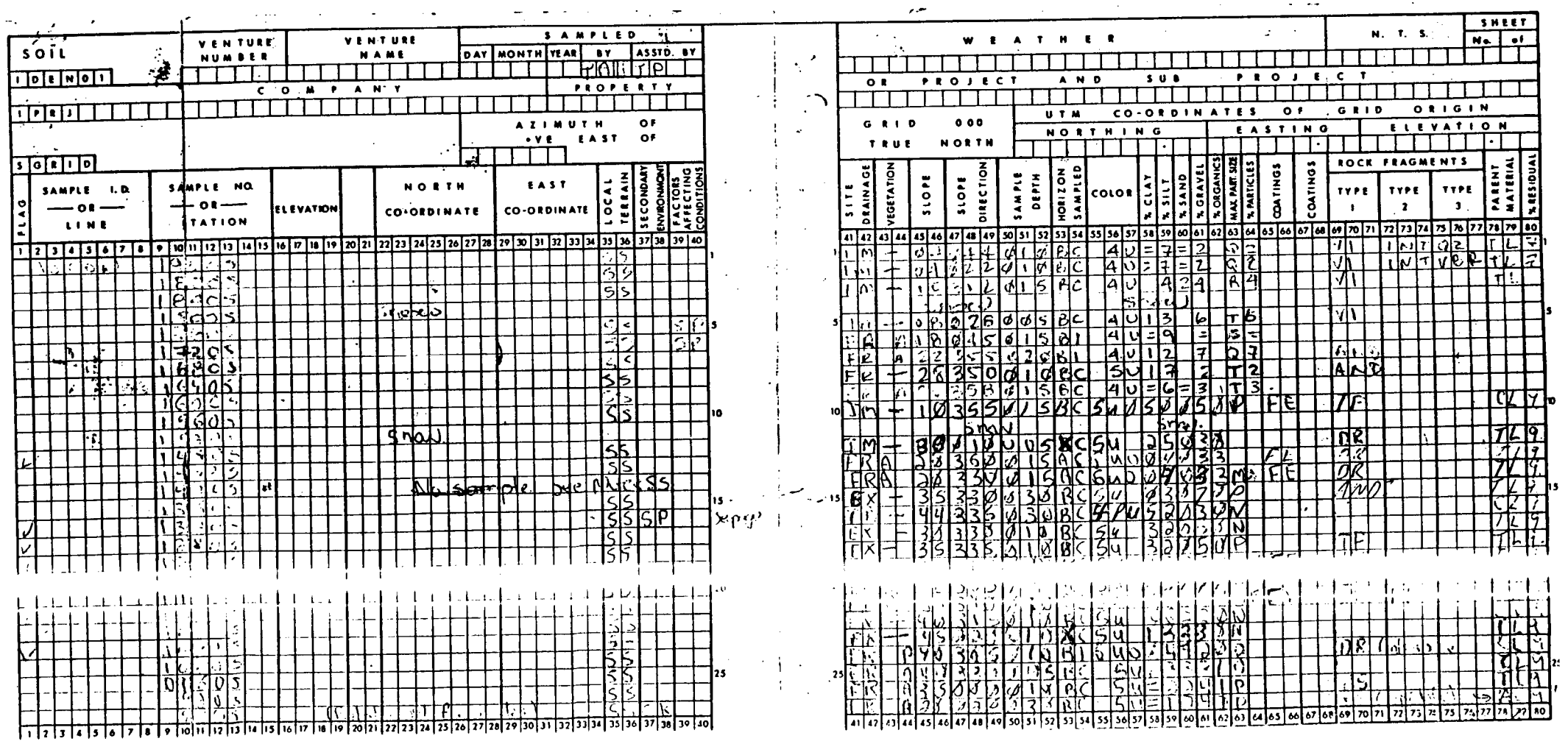
OR PROJECT AND SUB PROJECT

GRID 000 TRUE NORTH

UTM CO-ORDINATES OF GRID ORIGIN

NORTHING EASTING ELEVATION

SITE DRAINAGE	VEGETATION	SLOPE	SLOPE DIRECTION	SAMPLE DEPTH	HORIZON SAMPLED	COLOR	% CLAY	% SILT	% SAND	% GRAVEL	% ORGANICS	MAX. PART. SIZE	% PARTICLES	COATINGS	COATINGS	ROCK FRAGMENTS TYPE 1	ROCK FRAGMENTS TYPE 2	ROCK FRAGMENTS TYPE 3	PARENT MATERIAL	% RESIDUAL
41 42	43 44	45 46	47 48 49	50 51 52	53 54	55 56 57	58	59	60	61	62	63	64	65 66	67 68	69 70	71 72 73	74 75 76	77 78	79 80
UR AP		26	140	040	01	34		40	60							VF				
ER P		42	130	020	B1	44		20	80							VF				
ER A		00	00	00	B1	44		20	80							BS				
FR AP		10	160	040	B1	44	0	20	80							VL				
FR A		10	120	030	B1	44	0	30	70					F		VC				


SOIL
VENTURE NUMBER
VENTURE NAME
SAMPLED
DAY
MONTH
YEAR
BY
ASSTD. BY
COMPANY
PROPERTY
AZIMUTH OF +VE EAST OF
SAMPLE I.D. — OR — LINE
SAMPLE NO. — OR — STATION
ELEVATION
NORTH CO-ORDINATE
EAST CO-ORDINATE
LOCAL TERRAIN
SECONDARY ENVIRONMENT
FACTORS AFFECTING CONDITIONS
WEATHER
N. T. S.
SHEET No. of
OR PROJECT AND SUB PROJECT
GRID 000 TRUE NORTH
UTM CO-ORDINATES OF GRID ORIGIN
NORTHING
EASTING
ELEVATION
SITE DRAINAGE
VEGETATION
SLOPE
SLOPE DIRECTION
SAMPLE DEPTH
HORIZON SAMPLED
COLOR
% CLAY
% SILT
% SAND
% GRAVEL
% ORGANICS
MAX. PART. SIZE
% PARTICLES
COATINGS
COATINGS
ROCK FRAGMENTS
TYPE 1
TYPE 2
TYPE 3
PARENT MATERIAL
% RESIDUAL
Snow
No sample here

SOIL

1 D E N 0 1 | VENTURE NUMBER: V 243 | VENTURE NAME: PAII CK | SAMPLED — DAY: 07 MONTH: CC7 YEAR: [illegible] BY: JP ASSTD. BY: JT

COMPANY: 1 P R J PLACER Cone Inc | PROPERTY: PAII CK

AZIMUTH OF +VE EAST OF

S G R I D

WEATHER: Foggy + cold | N. T. S. | SHEET No. of

PROJECT AND SUB PROJECT

GRID 000 TRUE NORTH | UTM CO-ORDINATES OF GRID ORIGIN: NORTHING | EASTING | ELEVATION

Row	Flag (1)	Sample I.D. or Line (2–8)	Sample No. or Station (9–15)	Elevation / North / East Co-ordinate (16–34)	Local Terrain (35–36)	Secondary Environment (37–38)	Factors Affecting Conditions (39–40)	Site (41)	Drainage (42)	Vegetation (43–44)	Slope (45–46)	Slope Direction (47–49)	Sample Depth (50–52)	Horizon Sampled (53–54)	Color (55–57)	% Clay (58)	% Silt (59)	% Sand (60)	% Gravel (61)	% Organics (62)	Max. Part. Size (63)	% Particles (64)	Coatings (65–68)	Rock Fragments Type 1 (69–71)	Type 2 (72–74)	Type 3 (75–77)	Parent Material (78–79)	% Residual (80)
1		[illegible]	[illegible]S		SS			1	N	–	1Ø	Ø24	Ø15	B1	5U	=	8	=	1		P	1		VI	InT		–L	[illegible]
2			2[illegible]		SS			F	R	A	Ø4	3Ø8	Ø35	B1	5UC	=	9		=		O	=					CL	[illegible]
3			20[illegible]	DRAINAGE AREA	SS	SP		1	F	–	Ø6	Ø64	Ø1Ø	BC	5V		4	1	5		Q	3		VI			CL	[illegible]
4			21[illegible]		SS			1	M	–	26	248	Ø1Ø	BC	5U	=	1	–	3		Q	5		VIP			CL	[illegible]
5			21[illegible]	Snow / Snow / Snow				Snow					Snow								Snow							
6	N		22[illegible]		SS			F	R	–	21	Ø6Ø	Ø1Ø	BC	5U	=	7	=	2		R	2		VIF			TL	1
7			22[illegible]		SS			F	R	A	26	118	Ø2Ø	B1	5U	=	9		=		P	=		VL			CL	1
8			22E0		SS			F	R	–	3Ø	118	Ø1Ø	BC	5U	1	5	1	3		P	3		VLP			TL	9
9			[illegible]		SS			F	R	A	Ø8	118	Ø3Ø	B1	4U	=	9		=		N	=					CL	9
10			23E0		SS			1	M	–	24	128	Ø1Ø	BC	5U	1	5	1	3		P	3		VI			TL	7
11			24[illegible]		SS			1	M	–	22	11Ø	Ø1Ø	BC	5U	=	7	=	2		Q	2		see notes			TL	9
12	N		2410	Ground = Rocks/Rocks/Rocks + Snow	SS			1	M	–	15	Ø68	NO soil Available								R			see notes			TL	9
13			[illegible]4E0	Snow / Snow				Snow					Snow								Snow							
14		25W	250P		SS			F	R	–	18	Ø98	Ø1Ø	BC	5U	=	6	=	3		R	3					TL	9
15			2540		SS			F	R	A	22	1Ø4	Ø25	B1		=	7	=	2		Q	2					CL	9
16			2580		SS			F	R	A	24	14Ø	Ø2Ø	B1	5UC	1	8		1		P	1					CL	9
17			2620		SS			F	R	–	12	111	Ø15	B1	5U	=	6	=	3		R	3		VI?			TI	4
18			26[illegible]0		SS			F	R	A	24	115	Ø4Ø	B1	5U	=	9	=	=		[illegible]	=		InT	VIP		CL	9
20			25[illegible] (struck through)					[illegible] (struck through)																				
21			2540		SS			F	R	A	34	136	Ø2Ø	B1	4U	=	8		2		Q	2		VI				
22			2[illegible]40		SS			1	M	–	ØØ	1ØØ	Ø15	B1	5UD	=	8	=	1		R	1						
23			2540		SS			F	R	A	3Ø	11Ø	Ø3Ø	B1	5UT	=	7	·	2	=	Q	2		VI			CL	8

OIL

DENOT

VENTURE NUMBER

VENTURE NAME

SAMPLED — DAY | MONTH | YEAR | BY | ASSTD. BY

COMPANY

PROPERTY

PROJECT

AZIMUTH OF +VE EAST OF

GRID

WEATHER

N. T. S.

SHEET No. of

OR PROJECT AND SUB PROJECT

GRID 000 TRUE NORTH

UTM CO-ORDINATES OF GRID ORIGIN

NORTHING | EASTING | ELEVATION

SAMPLE I.D. — OR — LINE	SAMPLE NO. — OR — STATION	ELEVATION		NORTH CO-ORDINATE	EAST CO-ORDINATE	LOCAL TERRAIN	SECONDARY ENVIRONMENT	FACTORS AFFECTING CONDITIONS
2 3 4 5 6 7 8	9 10 11 12 13 14 15	16 17 18 19	20 21	22 23 24 25 26 27 28	29 30 31 32 33 34	35 36	37 38	39 40

SITE DRAINAGE	VEGETATION	SLOPE	SLOPE DIRECTION	SAMPLE DEPTH	HORIZON SAMPLED	COLOR	% CLAY	% SILT	% SAND	% GRAVEL	% ORGANICS	MAX. PART. SIZE	% PARTICLES	COATINGS	COATINGS	ROCK FRAGMENTS TYPE 1	TYPE 2	TYPE 3	PARENT MATERIAL	% RESIDUAL
41 42	43 44	45 46	47 48 49	50 51 52	53 54	55 56 57	58	59 60	61	62	63	64	65 66	67 68	69 70 71	72 73 74	75 76 77	78 79	80	

2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40

41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80

SOIL

VENTURE NUMBER

VENTURE NAME

SAMPLED: DAY | MONTH | YEAR | BY | ASSTD. BY

COMPANY

PROPERTY

PROJECT

AZIMUTH OF +VE EAST OF

GRID

SAMPLE I.D. — OR — LINE	SAMPLE NO. — OR — STATION	ELEVATION		NORTH CO-ORDINATE	EAST CO-ORDINATE	LOCAL TERRAIN	SECONDARY ENVIRONMENT	FACTORS AFFECTING CONDITIONS
2 3 4 5 6 7 8	9 10 11 12 13 14 15	16 17 18 19	20 21	22 23 24 25 26 27 28	29 30 31 32 33 34	35 36	37 38	39 40

WEATHER

N. T. S.

SHEET No. of

OR PROJECT AND SUB PROJECT

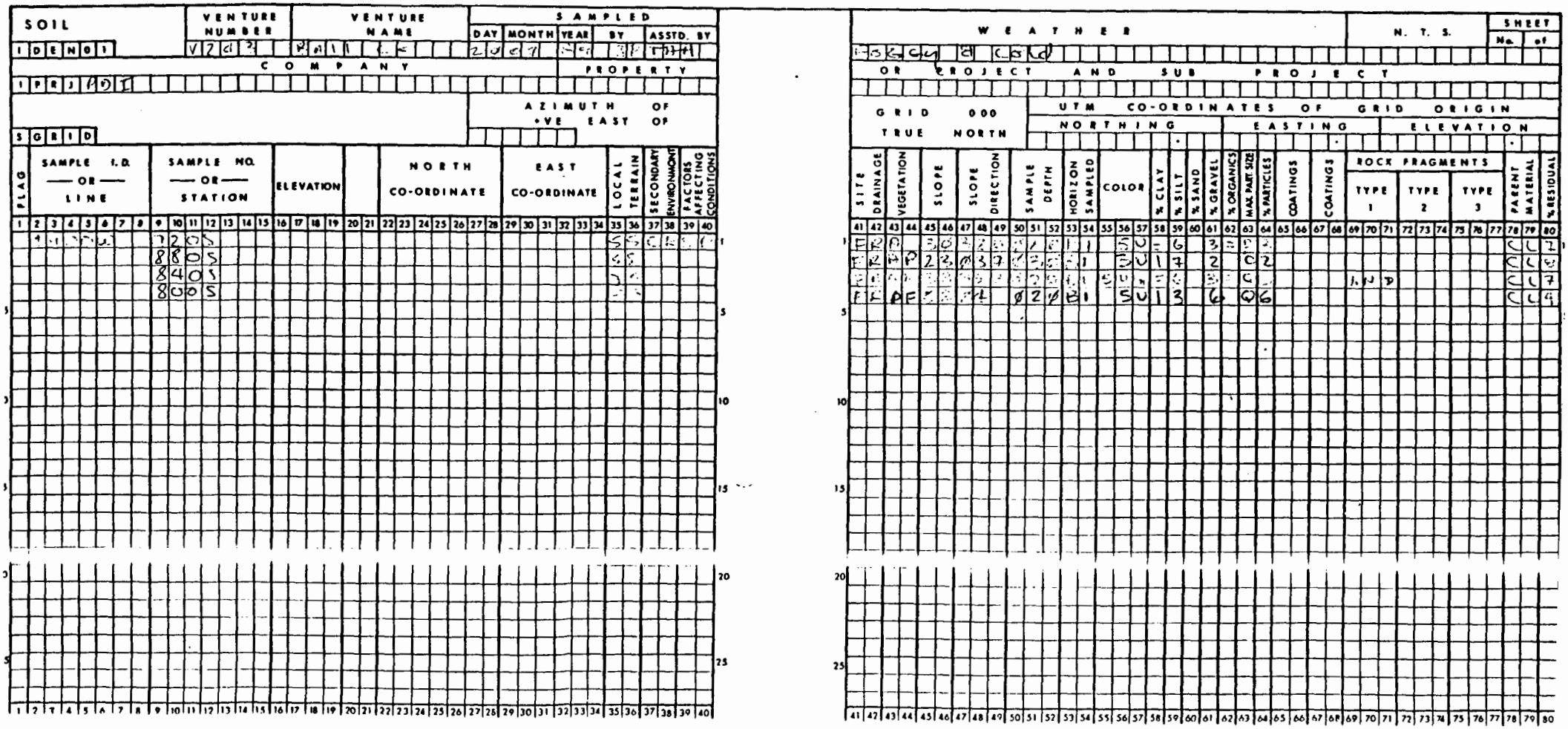
GRID 000 TRUE NORTH

UTM CO-ORDINATES OF GRID ORIGIN

NORTHING | EASTING | ELEVATION

SITE DRAINAGE	VEGETATION	SLOPE	SLOPE DIRECTION	SAMPLE DEPTH	HORIZON SAMPLED	COLOR	% CLAY	% SILT	% SAND	% GRAVEL	% ORGANICS	MAX PART SIZE	% PARTICLES	COATINGS	COATINGS	ROCK FRAGMENTS TYPE 1	ROCK FRAGMENTS TYPE 2	ROCK FRAGMENTS TYPE 3	PARENT MATERIAL	% RESIDUAL
41 42	43 44	45 46	47 48 49	50 51 52	53 54	55 56 57	58 59 60	61	62 63	64 65	66 67	68	69 70 71	72 73 74	75 76 77	78 79	80

See remarks


SOIL
VENTURE NUMBER
VENTURE NAME
SAMPLED
DAY
MONTH
YEAR
BY
ASSTD. BY
COMPANY
PROPERTY
AZIMUTH OF +VE EAST OF
GRID
FLAG
SAMPLE I.D. — OR — LINE
SAMPLE NO. — OR — STATION
ELEVATION
NORTH CO-ORDINATE
EAST CO-ORDINATE
LOCAL TERRAIN
SECONDARY ENVIRONMENT
FACTORS AFFECTING CONDITIONS
WEATHER
N. T. S.
SHEET
No.
of
OR PROJECT AND SUB PROJECT
GRID 000 TRUE NORTH
UTM CO-ORDINATES OF GRID ORIGIN
NORTHING
EASTING
ELEVATION
SITE DRAINAGE
VEGETATION
SLOPE
SLOPE DIRECTION
SAMPLE DEPTH
HORIZON SAMPLED
COLOR
% CLAY
% SILT
% SAND
% GRAVEL
% ORGANICS
MAX PART SIZE
% PARTICLES
COATINGS
COATINGS
ROCK FRAGMENTS
TYPE 1
TYPE 2
TYPE 3
PARENT MATERIAL
% RESIDUAL

SOIL

IDENDI

VENTURE NUMBER: V243

VENTURE NAME: BHILAI

SAMPLED: DAY | MONTH: MAR | YEAR: 89 | BY: JP | ASSTD. BY: JT

COMPANY: IPRJPLACEMENT CLAIMS INC

PROPERTY: BHILAI

AZIMUTH OF +VE EAST OF

SGRID

FLAG	SAMPLE I.D. — OR — LINE	SAMPLE NO. — OR — STATION	ELEVATION		NORTH CO-ORDINATE	EAST CO-ORDINATE	LOCAL TERRAIN	SECONDARY ENVIRONMENT	FACTORS AFFECTING CONDITIONS
1	2000								
		2							
		2							
		2							
		2							
		2040					SS	SP	

WEATHER: Sunny

N. T. S.

SHEET No. of

OR PROJECT AND SUB PROJECT

GRID ODD / TRUE NORTH

UTM CO-ORDINATES OF GRID ORIGIN: NORTHING | EASTING | ELEVATION

SITE DRAINAGE	VEGETATION	SLOPE	SLOPE DIRECTION	SAMPLE DEPTH	HORIZON SAMPLED	COLOR	% CLAY	% SILT	% SAND	% GRAVEL	% ORGANICS	MAX. PART. SIZE	% PARTICLES	COATINGS	COATINGS	ROCK FRAGMENTS TYPE 1	ROCK FRAGMENTS TYPE 2	ROCK FRAGMENTS TYPE 3	PARENT MATERIAL	% RESIDUAL
	BP	2 1	159	01 5	B1	4 U	11 4		11 3	11 0	5					1 N 0			CL	4
	BP	3 6	152	02 5	B1	4 U	11 6		11 3	11 0	3									
	BP	2 6	126	03 0	B1	5 U 0	11 9		11 2	11 1	1									
	BP	3 7	124	03 5	B1	5 U	11 11		11 2		2									
	BP	1 9	128	02 5	B1	5 U 0	11 7		11 2		2									
	BP	2 8	128	02 0	BC	4 U	11 5		4		4									
	BP	1 4	09 6	01 5	BC	5 U G	1 5	1 3			P 9									

SOIL

VENTURE NUMBER: V2143

VENTURE NAME

SAMPLED: DAY 04 MONTH JUN YEAR 84 BY TAH ASSTD. BY DOR

COMPANY

PROPERTY

PROJECT: PLACER DOME INC

Todd Hagerman.
Arlene Ross.

AZIMUTH OF +VE EAST OF

GRID

WEATHER (sunny 85°F)

N. T. S.

SHEET No. of

OR PROJECT AND SUB PROJECT: BALL CR

GRID 000 TRUE NORTH

UTM CO-ORDINATES OF GRID ORIGIN: NORTHING EASTING ELEVATION

FLAG	SAMPLE I.D. — OR — LINE	SAMPLE NO. — OR — STATION	ELEVATION		NORTH CO-ORDINATE	EAST CO-ORDINATE	LOCAL TERRAIN	SECONDARY ENVIRONMENT	FACTORS AFFECTING CONDITIONS
1	2 3 4 5 6 7 8	9 10 11 12 13 14 15	16 17 18 19	20 21	22 23 24 25 26 27 28	29 30 31 32 33 34	35 36	37 38	39 40

No Sample - Steep, Rocky outcrops - Shaw Cliff

No Sample - Shaw

Rocky outcrops and Scree Poor differentiation

debris slump and hole

cliff

No Samples - Scree!

SITE DRAINAGE	VEGETATION	SLOPE	SLOPE DIRECTION	SAMPLE DEPTH	HORIZON SAMPLED	COLOR	% CLAY	% SILT	% SAND	% GRAVEL	% ORGANICS	MAX. PART. SIZE	% PARTICLES	COATINGS	COATINGS	ROCK FRAGMENTS TYPE 1	ROCK FRAGMENTS TYPE 2	ROCK FRAGMENTS TYPE 3	PARENT MATERIAL	% RESIDUAL
41 42	43 44	45 46	47 48 49	50 51 52	53 54	55 56 57	58	59 60	61	62	63	64	65 66	67 68		69 70 71	72 73 74	75 76 77	78 79	80

FRA 05 08 0 03 S B1 4U 09 01 00 VL

FRA 05 16 0 35 B1 4U 17 01 00 VL (U) Plood.

FRA 08 13 0 3W B1 4W 35 01 00 FRAN-

FRA 12 13 0 3W B1 5B 21 01 00 STON

FRA 07 01 0 40 B1 5W 16 03 00 VL

FRA 05 15 0 30 B1 4W 16 04 00 VL

FRA 11 04 0 05 B1 5W 32 05 00 VL

FRA 11 15 0 30 B1 5W 09 01 00

FRA 20 0 0 40 B1 5W 21 02 10 pl. boul. cbl. pcbl.

FRA 24 15 0 3S B1 5W 15 04 00 VL

FRA 22 0 0 45 BC 4W 21 01 00 3 to small Hill

OIL

VENTURE NUMBER: V243

VENTURE NAME:

SAMPLED: DAY 07 MONTH 07 YEAR 89 BY JT ASSTD. BY AK

DEND1

COMPANY

PROPERTY

PRJ

GRID

AZIMUTH OF +VE EAST OF

WEATHER: FCDLD+FDCGV

N. T. S.

SHEET No. of

OR PROJECT AND SUB PROJECT

GRID 000 TRUE NORTH

UTM CO-ORDINATES OF GRID ORIGIN

NORTHING

EASTING

ELEVATION

SAMPLE I.D. — OR — LINE	SAMPLE NO. — OR — STATION	ELEVATION		NORTH CO-ORDINATE	EAST CO-ORDINATE	LOCAL TERRAIN	SECONDARY ENVIRONMENT	FACTORS AFFECTING CONDITIONS
2010W	2000							
2000W	2006							
	1996					SS	GV	
	1986					SS		
	1886					SS	GV	
	1876					SS	T	
	1766					SS		
	1666	NO		SOIL ROCK FRAGMENTS ONLY		SAMPLE		
	1566					SS		
	1556					SS		
	1546					SS		
	1536					SS		

SEE NOTE	SITE DRAINAGE	VEGETATION	SLOPE	SLOPE DIRECTION	SAMPLE DEPTH	HORIZON SAMPLED	COLOR	% CLAY	% SILT	% SAND	% GRAVEL	% ORGANICS	MAX PART SIZE	% PARTICLES	COATINGS	COATINGS	ROCK FRAGMENTS TYPE 1	TYPE 2	TYPE 3	PARENT MATERIAL	% RESIDUAL
*1	F R	—	2 0	3	0	1 5	B C	U U	F F	4	1	1	0	2			1 N	V	L	C	1
	F R	—	1 5	3 3 0	0	2 5	B C	U U	F F	4	1	7	1 0	R P			1 N	V	L	C	5
	F M	—	0 5	1 5 0	0	3 5	B C	U U	F F	4	1	7	1 0	R P			1 N	V	L	C	5
	F R	—	N 5 0	1 5 0	0	2 5	B C	U U	F F	4	1	7	1 0	P P			1 N	V	L	C	5
	F R	—	0 5 0	1 5 0	0	2 0	B C	U U	F F	4	1	7	1 0	P P			1 N	V	L	C	5
	F R	A 1	0 5 5	1 2 0	0	1 5	B C	U U	F F	4	1	7	1 0	P P			1 N	V	L	C	5
	F R	—	1 5 5	0 3 0	0	1 0	B C	U U	F F	4	1	7	1 0	P P			1 N	V	L	C	5
	E X	—	0 5 5	0 5 0	0	6 5	A C	U U	F F	4	1	7	1 0	P P			1 N	V	L	C	5
	F R	—	2 5 5	0 5 0	0	2 5	B C	U U	F F	4	1	7	1 0	P P			1 N	V	L	C	5
	F R	—	2 5 5	2 6 0	0	2 5	B C	U U	F F	4	1	7	1 0	P P			1 N	V	L	C	5
	E X	—	3 5 5	2 6 0	0	2 5	B C	U U	F F	4	1	7	1 0	P P			1 N	V	L	C	5
	F X	—	3 5 5	2 6 0	0	2 5	B C	U U	F F	4	1	7	1 0	P P			1 N	V	L	C	5
	E V	—	3 5 5	2 6 0	0	2 5	B C	U U	F F	4	1	7	1 0	P P			1 N	V	L	C	5
	F R	A 1	N 5 5	2 6 0	0	2 5	B C	U U	F F	4	1	7	1 0	P P			1 N	V	L	C	5
	F V	—	5 5 0	2 6 0	0	2 5	B C	U U	F F	4	1	7	1 0	P P			1 N	V	L	C	5
	F R	A 1	1 A 1	1 0 5	0	2 5	B C	U U	F F	4	1	7	1 0	P P			1 N	V	L	C	5
	F R	A 1	2 5 5	1 0 5	0	2 5	B C	U U	F F	4	1	7	1 0	P P			1 N	V	L	C	5
	F X	A 1	2 5 5	1 0 5	0	2 5	B C	U U	F F	4	1	7	1 0	P P			1 N	V	L	C	5
	E X	A 1	2 5 5	1 0 5	0	2 5	B C	U U	F F	4	1	7	1 0	P P			1 N	V	L	C	5
	F N	A 1	2 5 5	1 0 5	0	2 5	B C	U U	F F	4	1	7	1 0	P P			1 N	V	L	C	5
	F R	A 1	2 5 5	1 0 5	0	2 5	B C	U U	F F	4	1	7	1 0	P P			1 N	V	L	C	5
	F R	A 1	2 5 5	1 0 5	0	2 5	B C	U U	F F	4	1	7	1 0	P P			1 N	V	L	C	5
	F R	A 1	2 5 5	1 0 5	0	2 5	B C	U U	F F	4	1	7	1 0	P P			1 N	V	L	C	5

SOIL

VENTURE NUMBER: V243

VENTURE NAME

SAMPLED: DAY | MONTH | YEAR | BY: JT | ASSTD. BY

COMPANY

PROPERTY

IDENT

IPRJ

SGRID

AZIMUTH OF +VE EAST OF

WEATHER

N. T. S.

SHEET No. of

OR PROJECT AND SUB PROJECT: KAUL CREEK

GRID 000 TRUE NORTH

UTM CO-ORDINATES OF GRID ORIGIN: NORTHING | EASTING | ELEVATION

FLAG	SAMPLE I.D. — OR — LINE	SAMPLE NO. — OR — STATION	ELEVATION		NORTH CO-ORDINATE	EAST CO-ORDINATE	LOCAL TERRAIN	SECONDARY ENVIRONMENT	FACTORS AFFECTING CONDITIONS
1	2 3 4 5 6 7 8	9 10 11 12 13 14 15	16 17 18 19	20 21	22 23 24 25 26 27 28	29 30 31 32 33 34	35 36	37 38	39 40
1	2 0 0 W	9 6 0 5					5 5		
		9 2 0							
		8 8 0							
		8 4 0							
		8 0 0							
5			CORDEN CREEK						
10									
15									
20									
25									

FLAG	SITE DRAINAGE	VEGETATION	SLOPE	SLOPE DIRECTION	SAMPLE DEPTH	HORIZON SAMPLED	COLOR	% CLAY	% SILT	% SAND	% GRAVEL	% ORGANICS	MAX PART SIZE	% PARTICLES	COATINGS	COATINGS	ROCK FRAGMENTS TYPE 1	TYPE 2	TYPE 3	PARENT MATERIAL	% RESIDUAL
	41 42	43 44	45 46	47 48	49 50	51 52	53 54	55 56 57	58	59 60	61	62 63	64	65 66	67	68	69 70 71	72 73 74	75 76 77	78 79	80
1	F R	D S	3 0	3 6	0 0	3 0	B 1	4 4	11	7 0	2 2	1 1								C L	1 1
	F R	D S	3 5	3 6	0 0	3 0	B 1	C U T	"	C 0	3 0						1 N			C L	1 1
5																					
10																					
15																					
20																					
25																					

SOIL

1 D E N 0 1 — VENTURE NUMBER: V243 — VENTURE NAME:

SAMPLED — DAY: 12 — MONTH: 007 — YEAR: 89 — BY: JP — ASSTD. BY: TAU

WEATHER: Hot & Sunny — N. T. S. — SHEET No. of

COMPANY: 1 P R J PDI — PROPERTY: BALL CK

OR PROJECT AND SUB PROJECT

AZIMUTH OF +VE EAST OF

5 G R I D — GRID 000 TRUE NORTH — UTM CO-ORDINATES OF GRID ORIGIN — NORTHING — EASTING — ELEVATION

FLAG (1)	SAMPLE I.D. OR LINE (2–8)	SAMPLE NO. OR STATION (9–15)	ELEVATION (16–19)	(20–21)	NORTH CO-ORDINATE (22–28)	EAST CO-ORDINATE (29–34)	LOCAL TERRAIN (35–36)	SECONDARY ENVIRONMENT (37–38)	FACTORS AFFECTING CONDITIONS (39–40)	SITE DRAINAGE (41–42)	VEGETATION (43–44)	SLOPE (45–46)	SLOPE DIRECTION (47–49)	SAMPLE DEPTH (50–52)	HORIZON SAMPLED (53–54)	COLOR (55–57)	% CLAY (58)	% SILT (59)	% SAND (60)	% GRAVEL (61)	% ORGANICS (62)	MAX. PART. SIZE (63)	% PARTICLES (64)	COATINGS (65–66)	COATINGS (67–68)	ROCK FRAGMENTS TYPE 1 (69–71)	TYPE 2 (72–74)	TYPE 3 (75–77)	PARENT MATERIAL (78–79)	% RESIDUAL (80)
	2100(N)	2000S					55			IM	–	[illegible]	334	Ø1Ø	BC	4U	=	5	=	4	5	S	4	MN		INP	V1	FID	TL	6
		2040			snow						snow							snow												
		2080					S			FR	A	12	?72	Ø2Ø	B1	4U	=	9		=		O	=						CL	[illegible]
		2120					55			IM	–	12	Ø34	Ø1Ø	BC	4U	=	4	=	5		Q	5			ANP			TL	S
		2160					55			FR	A	Ø1	126	Ø25	B1	5UO	=	8	=	1		P	1			ANP			CL	9
		2200					55			FR	A	Ø5	Ø9Ø	Ø2Ø	B1	4U		8	1	1		P	2			AND			CL	9
		2240					55			TR	–	28	148	Ø1Ø	BC	4U	=	7	=	2		Q	2			VI			TL	7
		2250			snow	snow					snow					snow													TL	
		2320					55			FR	–	14	Ø?9	Ø1Ø	BC	4U	=	5	=	4		Q	4			IN			TL	5
		2360					55			FR	A	28	114	Ø3Ø	B1	4U	=	8	=	1		P	1	MN					CL	9
		2400					55			FR	A	1Ø	135	Ø4Ø	B1	5UO	1	7		2		O	2			VI			CL	5
		2440					55			FR	–	28	214	Ø15	BC	4U	=	6	=	3		T	3			VI			TL	5
		2480					55			FR	A	1Ø	2Ø1	Ø3Ø	B1	5VO	=	9		=		P	=	MN		IN			CL	9
		2520					55			FR	A	19	161	Ø3Ø	B1	5UO		7		3		O	3						CL	9
N		2560					55			FR	–	18	192	Ø2Ø	BC	5UO	=	8	=	1		S	1			VI	INT	AGG	TL	9
		2600					55			FR	D	14	122	Ø45	B1	5UO	=	8	1	=		P	=			VI			CL	9
		2640								FR	D	26	162	Ø35	B1	4U		8		2		O	2							
		2680					5			FR	A	19	218	Ø15	B1	4U	=	6		3	=	P	3							
										[illegible]	D	1O	178	[illegible]	B1	5UO		9	=	=		O	=							
		2810					55			FR	PD	1Ø	2Ø5	Ø25	B1	4U	=	9		=		O	=							
		2840					55			FF	PA	22	16?	Ø30	B1	4U	=	7		2	=	O	2							
		2880					55			FR	D	14	249	Ø2Ø	B1	4U	=	6		3	=	P	2							
1		2920								FR	–	36	178	[illegible]	[illegible]	4U		4		6		R	6			INP			TL	6
		2960					5-			FR	F	36	184	Ø2Ø	B1	5U		7		3		O	3			VI	INP		TL	
		[illegible]					-			FR	–	34	15?	[illegible]	B1	5UO		6		4		Q	4			VI	INT		TL	

SOIL	VENTURE NUMBER	VENTURE NAME	SAMPLED DAY	MONTH	YEAR	BY	ASSTD. BY
DEN01	V 2?3	BALL CK	12	007	89	JP	TDH

PRJ	COMPANY	PROPERTY
PDC		BALL CK

GRID

AZIMUTH OF +VE EAST OF

SAMPLE I.D. — OR — LINE (2–8)	SAMPLE NO. — OR — STATION (9–15)	ELEVATION (16–19)	(20–21)	NORTH CO-ORDINATE (22–28)	EAST CO-ORDINATE (29–34)	LOCAL TERRAIN (35–36)	SECONDARY ENVIRONMENT (37–38)	FACTORS AFFECTING CONDITIONS (39–40)
	2?					[illegible]		
	21?0	[illegible] sampling [illegible] !!				?S		
	[illegible]					[illegible]		
	?4?0					[illegible]		
	[illegible]					?S		
	?4?0					SS		
	[illegible]					[illegible]		
	3700					S?		
	[illegible]					[illegible]		
						SS		

WEATHER: Hot & Sunny

N. T. S.

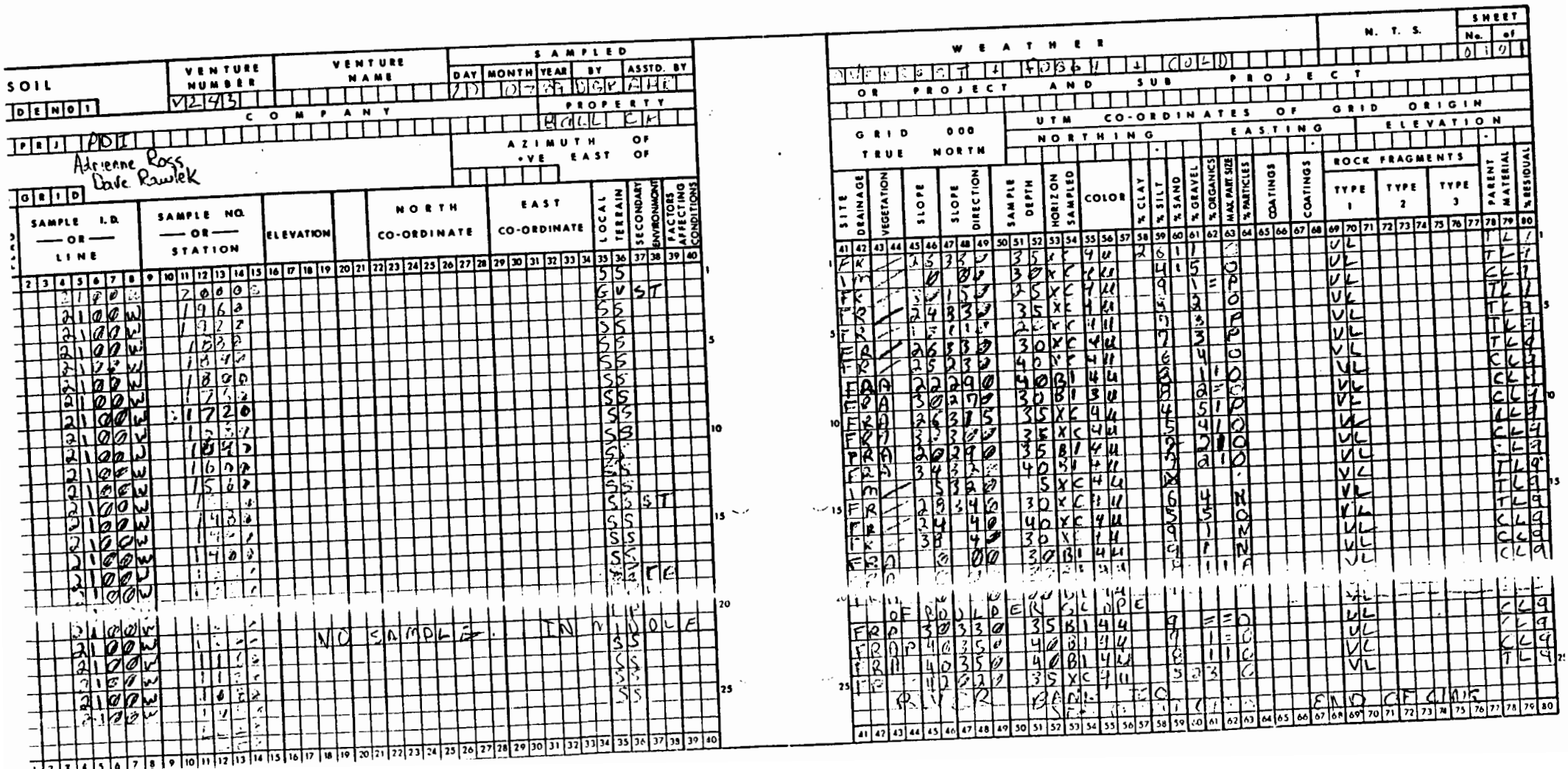
SHEET No. of

OR PROJECT AND SUB PROJECT

GRID .000 TRUE NORTH

UTM CO-ORDINATES OF GRID ORIGIN: NORTHING / EASTING / ELEVATION

SITE (41)	DRAINAGE (42)	VEGETATION (43–44)	SLOPE (45–46)	SLOPE DIRECTION (47–49)	SAMPLE DEPTH (50–52)	HORIZON SAMPLED (53–54)	COLOR (55–57)	% CLAY (58)	% SILT (59)	% SAND (60)	% GRAVEL (61)	% ORGANICS (62)	MAX PART SIZE (63)	% PARTICLES (64)	COATINGS (65–66)	COATINGS (67–68)	ROCK FRAGMENTS TYPE 1 (69–71)	TYPE 2 (72–74)	TYPE 3 (75–77)	PARENT MATERIAL (78–79)	% RESIDUAL (80)
[illegible]	[illegible]	FD	24	193	02?	F?	4?	-	4		-	-	P	-	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]
F	R	F	24	136	?1?	B1	4U		4		=		P				INF	MON		[illegible]	[illegible]
F	L	—	?5	1??	[illegible]	?1	5UO	=	[illegible]		1	=	O	1			NF				
F	R	—	??	166	01C	B1	4?		[illegible]		1	1	3	1						[illegible]	[illegible]
[illegible]	[illegible]	—	42	142	?1?	B1	5U		[illegible]		?		R	?							
F	K	FN	32	158	01S	B1	5UO		4		1		O	1						/	
[illegible]	[illegible]	FP	26	176	31S	B1	?UO	=	7		=	=	O	=						[illegible]	
F	R	P	15	184	02?	B2	6UO	=	9		[illegible]		P	=							
F	F	P	??	154	?15	B2	6UO		[illegible]		[illegible]		[illegible]	[illegible]							
F	R	P	28	172	02C	B1	4	=	8		1	=	F	1			INT			√	


SOIL
VENTURE NUMBER
VENTURE NAME
SAMPLED
DAY
MONTH
YEAR
BY
ASSTD. BY
COMPANY
PROPERTY
AZIMUTH OF +VE EAST OF
Adrienne Ross
Dave Rawlek
SAMPLE I.D. — OR — LINE
SAMPLE NO. — OR — STATION
ELEVATION
NORTH CO-ORDINATE
EAST CO-ORDINATE
LOCAL TERRAIN
SECONDARY ENVIRONMENT
FACTORS AFFECTING CONDITIONS
NO SAMPLE IN HOLE
WEATHER
N. T. S.
SHEET No. 01 of 01
GRID TRUE NORTH
UTM CO-ORDINATES OF GRID ORIGIN
NORTHING
EASTING
ELEVATION
SITE DRAINAGE
VEGETATION
SLOPE
SLOPE DIRECTION
SAMPLE DEPTH
HORIZON SAMPLED
COLOR
% CLAY
% SILT
% SAND
% GRAVEL
% ORGANICS
MAX. PART. SIZE
% PARTICLES
COATINGS
COATINGS
ROCK FRAGMENTS
TYPE 1
TYPE 2
TYPE 3
PARENT MATERIAL
% RESIDUAL

LEGEND

GROUP TWO (Lower Jurassic ?) Mainly epiclastics & basalt.

- 12 Andesitic lapilli tuff, locally crystal rich
- 11 Andesitic greywacke
- 10 Andesitic conglomerate, sometime with limestone clasts
- 9 Limestone
- 8 Well-bedded, graded andesitic greywacke - conglomerate
- 7 Basaltic mudstone
- 6 Basalt flows 6a pillowed, amygdaloidal; 6b non-pillowed porphyritic &/or vesicular

UNCONFORMITY

GROUP ONE (Upper to Late Triassic) Mainly andesitic country rocks intruded by monzonite.

- 5 Andesitic lahar. Contains clasts of Unit 2, 3 & 4
  - 5a lahar with Unit 2 clasts only & with minor interbeds of andesitic pyroclastics. Intruded by andesite dyes labelled as 2c
- 4 K-spar megacrystic andesite with trachytic flow texture
  - 4a plug
  - 4b flows
  - 4c dykes
- 3 Monzonitic intrusive (K-Ar date = Late Triassic) - undifferentiated monzonite
  - 3a lower dyke latite porphyry
  - 3b upper dyke monzonite porphyry
  - 3c ridge dyke monzonite porphyry
- 2 Andesite - either pyroclastic or flow
  - 2a pyroclastics
  - 2b flows
  - 2c dykes
- 1 Sedimentary rocks
  - 1a black siliceous argillite
  - 1b brown well-bedded siltstone with Norian (Upper Triassic) fossils

Attitudes (inclined, vertical) of :
- Bedding
- Joint
- Cleavage
- Shearing
- Lineation
- Primary flow structures in igneous rocks
- Dyke
- Vein (indicating gangue & width)

- Outcrop boundary
- Fault (observed or topographic trace). Dip indicated.
- Geological contact (inferred)
- Flow contact
- Soil sample site
- Stream sediment sample site
- Rock sample site
- Rock sampling line (random chips)
- Diamond drill hole projection

GEOLOGICAL BRANCH
ASSESSMENT REPORT
19,316 PART 2 OF 2

FIGURE 5

0 100 200 400 800
METRES

T.N. 19° UTM GRID NORTH 25°15' MAGNETIC NORTH

PLACER DOME INC.

BALL CREEK PROJECT

DRAWN BY : R. TURNA	GEOLOGY
DATE : NOV. 1989	
SCALE 1:5000	
REVISED :	FILE No. 243 104G/8W

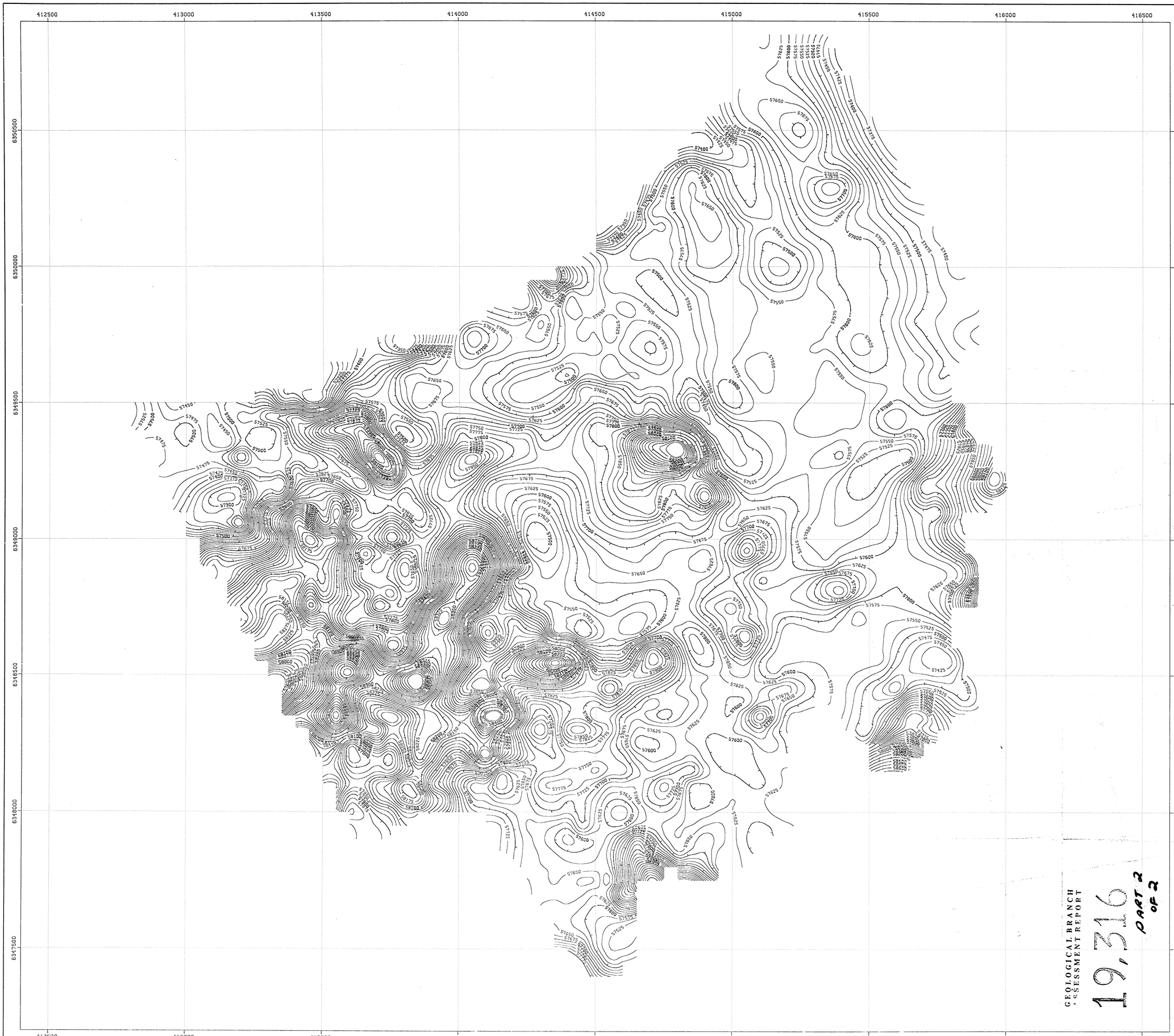
CHONG

BALL CREEK MAGNETIC DATA
UPWARD CONTINUED 20 M

DATA HAS BEEN GRIDDED USING MINC

DATA UPWARD CONTINUED 20 M

UNITS = NANOTESLAS



GEOLOGICAL BRANCH
ASSESSMENT REPORT

19,216
PART 2
OF 2

DATA PLOTTED ON THIS MAP:
DIRECTORY: /PLACER1_IE/EXPL/BALLCK/GP

	FIELD	FILE
CONTOURS:	MAG	BALLCKMUPC.GOP

0 200 400 600
METRES

FIGURE 16

PLACER DOME INC.	
DRAWN RWC	BALL CREEK MAGNETIC DATA UPWARD CONTINUED 20 M
DATE 89:11:02	
SCALE 1:5000	
NO. 243	PLATE 104G/8

412.500 413.000 413.500 414.000 414.500 415.000 415.500 416.000 416.500

6,350,500
6,350,000
6,349,500
6,349,000
6,348,500
6,348,000
6,347,500

BALL CREEK PROJECT
STACKED VLF PROFILES

LIGHT LINE - QUADRATURE
MEDIUM LINE - IN-PHASE
DARK LINE - FRASER FILTER

UNITS = % OF PRIMARY FIELD

VLF CONDUCTORS

DATA PLOTTED ON THIS MAP:
DIRECTORY: $EXPL/BALLCK/GP

	FIELD	FILE
	QD	BALLCKQD.UTM
	SCALE:	30.0 UNITS / CM
	BASE LEVEL:	0.0
	IP	BALLCKIP.UTM
	SCALE:	30.0 UNITS / CM
	BASE LEVEL:	0.0
	IP	BALLCKIP.UTM
	SCALE:	30.0 UNITS / CM
	BASE LEVEL:	0.0
	FRASER FILTER APPLIED	

N

0 200 400 600
METRES

FIGURE 15

PLACER DOME INC.	
DRAWN RWC	BALL CREEK PROJECT
DATE 89:11:01	STACKED VLF PROFILES
SCALE 1:5000	
NO. 243	PLATE 104G/8

412.500 413.000 413.500 414.000 414.500 415.000 415.500 416.000 416.500

6,350,500 6,350,000 6,349,500 6,349,000 6,348,500 6,348,000 6,347,500

BALL CREEK PROJECT
ZINC GEOCHEMISTRY
ZN VALUES IN PPM

CONTOUR VALUES:SOIL GEOCHEMISTRY
ZN AT 200 PPM

DATA PLOTTED ON THIS MAP:
DIRECTORY: 3EXPL/BALLCK/GCHM

	FIELD	FILE
□ POINTS:	ZN	NEWMERG4
POINTS:	SAMP	ENDS.SOUTH
POINTS:	SAMP	ENDS.NORTH
△ POINTS:	ZN	ROCKSMERG2
○ POINTS:	ZN	SILTSMERGX
	SEG	CREEK
	SEG	CONTOUR

N

0 200 400 600
METRES

FIGURE 12

PLACER DOME INC.	
DRAWN BJR	BALL CREEK PROJECT
DATE 89:11:16	ZINC GEOCHEMISTRY
SCALE 1:5000	ZN VALUES IN PPM
	NO. 243 PLATE 104G/8

GEOLOGICAL BRANCH
ASSESSMENT REPORT

19,316 PART 2 OF 2

412.500 413.000 413.500 414.000 414.500 415.000 415.500 416.000 416.500

6.350.500 6.350.000 6.349.500 6.349.000 6.348.500 6.348.000 6.347.500

BALL CREEK PROJECT
LEAD GEOCHEMISTRY
PB VALUES IN PPM

CONTOUR VALUES:SOIL GEOCHEMISTRY
PB AT 55 PPM

GEOLOGICAL BRANCH
ASSESSMENT REPORT

19,316 PART 2 OF 2

DATA PLOTTED ON THIS MAP:
DIRECTORY: 3EXPL/BALLCK/GCHM

	FIELD	FILE
□ POINTS:	PB	NEWMERG4
POINTS:	SAMP	ENDS.SOUTH
POINTS:	SAMP	ENDS.NORTH
△ POINTS:	PB	ROCKSMERGZ
○ POINTS:	PB	SILTSMERGX
	SEG	CREEK
	SEG	CONTOUR

N

0 200 400 600
METRES

FIGURE11

PLACER DOME INC.	
DRAWN BJR	BALL CREEK PROJECT
DATE 89:11:16	LEAD GEOCHEMISTRY
SCALE 1:5000	PB VALUES IN PPM
	NO. 243 PLATE 104G/8

BALL CREEK PROJECT
SILVER GEOCHEMISTRY
AG VALUES IN PPM

CONTOUR VALUES: SOIL GEOCHEMISTRY
AG AT 1.2 PPM

412.500 413.000 413.500 414.000 414.500 415.000 415.500 416.000 416.500

6.350.500 6.350.000 6.349.500 6.349.000 6.348.500 6.348.000 6.347.500

GEOLOGICAL BRANCH
ASSESSMENT REPORT

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DATA PLOTTED ON THIS MAP:
DIRECTORY: $EXPL/BALLCR/GCHM

	FIELD	FILE
□ POINTS:	AG	NEWHERG4
POINTS:	SAMP	ENDS.SOUTH
POINTS:	SAMP	ENDS.NORTH
△ POINTS:	AG	ROCKSMERG2
○ POINTS:	AG	SILTSMERGX
	SEG	CREEK
	SEG	CONTOUR

N

0 200 400 600
METRES

FIGURE 10

PLACER DOME INC.	
DRAWN BJR	BALL CREEK PROJECT
DATE 89:11:16	SILVER GEOCHEMISTRY
SCALE 1:5000	AG VALUES IN PPM
NO. 243	PLATE 104G/8

412.500 413.000 413.500 414.000 414.500 415.000 415.500 416.000 416.500

6,350,500 6,350,000 6,349,500 6,349,000 6,348,500 6,348,000 6,347,500

BALL CREEK PROJECT
ARSENIC GEOCHEMISTRY
AS VALUES IN PPM

CONTOUR VALUES:SOIL GEOCHEMISTRY
AS AT 50 PPM

DATA PLOTTED ON THIS MAP:
DIRECTORY: $EXPL/BALLCR/GCHM

	FIELD	FILE
POINTS:	AS	NEWMERG4
POINTS:	SAMP	ENDS.SOUTH
POINTS:	SAMP	ENDS.NORTH
POINTS:	AS	ROCKSMERG2
POINTS:	AS	SILTSMERGX
	SEG	CREEK
	SEG	CONTOUR

N

0 200 400 600
METRES

FIGURE 9

PLACER DOME INC.	
DRAWN BJR	BALL CREEK PROJECT
DATE 89:11:16	ARSENIC GEOCHEMISTRY
SCALE 1:5000	AS VALUES IN PPM
	NO. 243 PLATE 104G/8

GEOLOGICAL BRANCH
ASSESSMENT REPORT

19,316 PART 2 OF 2

BALL CREEK PROJECT
MOLYBDENUM GEOCHEMISTRY
MO VALUES IN PPM

CONTOUR VALUES:SOIL GEOCHEMISTRY
MO AT 8 PPM

412.500 413.000 413.500 414.000 414.500 415.000 415.500 416.000 416.500

6.350.500 6.350.000 6.349.500 6.349.000 6.348.500 6.348.000 6.347.500

DATA PLOTTED ON THIS MAP:
DIRECTORY: $EXPL/BALLCK/GCHM

	FIELD	FILE
□ POINTS:	MO	NEWMERG4
POINTS:	SAMP	ENDS.SOUTH
POINTS:	SAMP	ENDS.NORTH
△ POINTS:	MO	ROCKSMERGZ
○ POINTS:	MO	SILTSMERGX
	SEG	CREEK
	SEG	CONTOUR

N

0 200 400 600
METRES

FIGURE 8

GEOLOGICAL BRANCH
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19,316
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PLACER DOME INC.	
DRAWN BJR	BALL CREEK PROJECT
DATE 89:11:16	MOLYBDENUM GEOCHEMISTRY
SCALE 1:5000	MO VALUES IN PPM
	NO. 243 PLATE 1046/8

BALL CREEK PROJECT
COPPER GEOCHEMISTRY
CU VALUES IN PPM

CONTOUR VALUES:SOIL GEOCHEMISTRY
CU AT 130 PPM

412.500 413.000 413.500 414.000 414.500 415.000 415.500 416.000 416.500

6.350.500 6.350.000 6.349.500 6.349.000 6.348.500 6.348.000 6.347.500

GEOLOGICAL BRANCH
ASSESSMENT REPORT

19,316
PART 2
OF 2

DATA PLOTTED ON THIS MAP:
DIRECTORY: $EXPL/BALLCK/GCHM

		FIELD	FILE
□	POINTS:	CU	NEWMERG4
	POINTS:	SAMP	ENDS.SOUTH
	POINTS:	SAMP	ENDS.NORTH
△	POINTS:	CU	ROCKSMERG2
○	POINTS:	CU	SILTSMERGX
		SEG	CREEK
		SEG	CONTOUR

N

0 200 100 600
METRES

FIGURE 7

PLACER DOME INC.	
DRAWN BJR	BALL CREEK PROJECT
DATE 89:11:16	COPPER GEOCHEMISTRY
SCALE 1:5000	CU VALUES IN PPM
	NO. 243 PLATE 104G/8

412.500 413.000 413.500 414.000 414.500 415.000 415.500 416.000 416.500

6.350.500 6.350.000 6.349.500 6.349.000 6.348.500 6.348.000 6.347.500

BALL CREEK PROJECT
GOLD GEOCHEMISTRY
AU VALUES IN PPB

CONTOUR VALUES:SOIL GEOCHEMISTRY
AU AT 80 PPB

DATA PLOTTED ON THIS MAP:
DIRECTORY: $EXPL/BALLCR/GCHM

		FIELD	FILE
▫	POINTS:	AU1	NEWMERG4
	POINTS:	SAMP	ENDS.SOUTH
	POINTS:	SAMP	ENDS.NORTH
△	POINTS:	AU1	ROCKSMERG2
○	POINTS:	AU1	SILTSMERGX
		SEG	CREEK
		SEG	CONTOUR

N

0 200 400 600
METRES

FIGURE 6

PLACER DOME INC.	
DRAWN BJR	BALL CREEK PROJECT
DATE 89:11:16	GOLD GEOCHEMISTRY
SCALE 1:5000	AU VALUES IN PPB
	NO. 243 PLATE 104G/8

GEOLOGICAL BRANCH
ASSESSMENT REPORT

19,316 PART 2 OF 2