Geochemical, Geophysical and Prospecting Report

on the KLI CLAIMS

Omineca Mining Division

N.T.S 94D/8,9

Latitude 56° 30' N Longitude 126° 08' W

Owner: 50% Kennco Expl. (Western) Ltd.
Toronto, Ontario

50% Vital Pacific Resources Ltd.
Toronto, Ontario

Operator: Placer Dome Inc.
Vancouver, B.C.

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Date: November 1990

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1.0 SUMMARY

A total of 30.64 km of grid and baseline was picketed on the KLI property. Geophysical surveys consisting of magnetometer and VLF-EM were conducted along all crosslines. A geochemical soil survey was also conducted on the baseline and all crosslines. Three soil geochemical anomalies were found. Anomaly 'A' has a coincident magnetic anomaly and is related to the known magnetite copper-gold bearing skarn zone. No additional significant results were found.

It is recommended that no further work be done on the KLI property.

2.0 INTRODUCTION

A geochemical, geophysical and prospecting program was performed on the KLI property by Placer Dome Inc. personnel between 27 July and 9 August, 1990. The intent of this program was to determine: a) if there were any further Cu-Au bearing magnetic targets similar to the magnetite skarn zone found by Sumac, b) whether any porphyry-style mineralization was present in calcareous tuffs which underlie the broad, largely overburden-covered valley in the centre of the claims and c) if any major structures in the valley appear to control known mineralization.

2.1 Location and Access

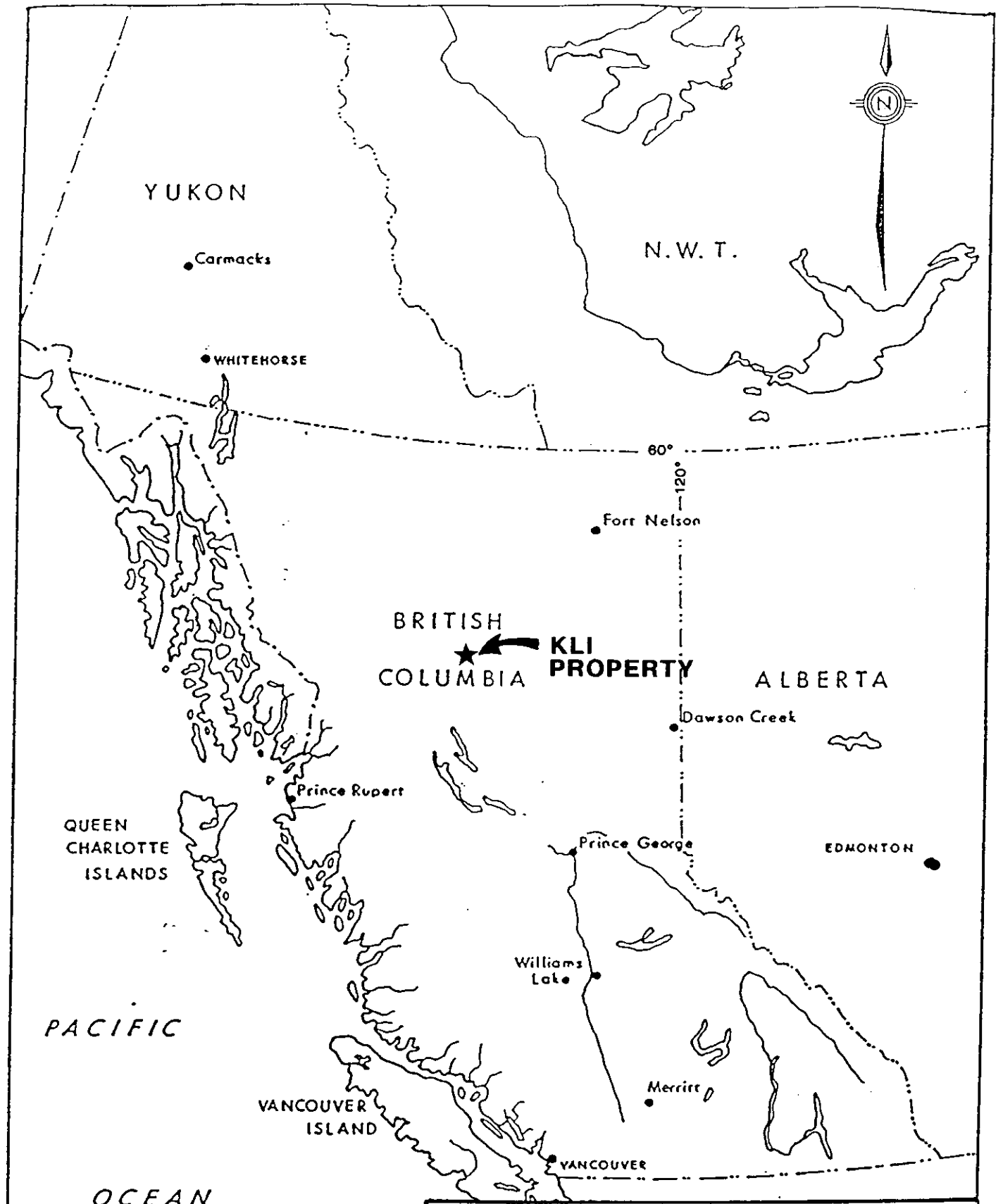
The KLI property is 200 km north-northwest of Smithers and 8 km southeast of Johanson Lake, in the Omineca Mining Division (Figure 1). The claims straddle the boundary between mapsheets 94D/8 and 9. The approximate centre of the claims is latitude 56° 31' N, longitude 126° 07' W.

Access to the property is by air only. Camp mobilization is achieved by helicopter, staged from the Johanson Lake airstrip. The Johanson strip is accessed by fixed wing aircraft or by gravel road from Fort St. James.

2.2 Topography and Vegetation

The KLI property is situated in a broad east-northeastern trending glacial valley which drains westerly into the headwaters of Kliyul Creek, and easterly into Lay Creek. On the northern portion of the claims, slopes steepen to a maximum of 45° as they rise to form the east-west ridge just off the property. The southwestern sector is a gently sloping basin which drains to the west. The southeastern part of the property exhibits gentle to steep relief on two northwesterly-trending ridges.

The property is above treeline, with elevations ranging from 1700 to 2150 metres. Vegetation is restricted to scattered stunted pines and an assortment of alpine grass and moss. Overburden covers more than half of the claim block.



PLACER DOME INC.		
KLI PROPERTY		
DRAWN BY: H.R.G.	**LOCATION MAP**	
DATE: OCT 90		
SCALE 1:10,000,000		
Figure 1	FILE NO. 271	94D/8 94D/9

2.3 Work History

The KLI claims were staked in 1970 by Kennco, who performed soil and silt sampling and geophysical surveys, including magnetics and Induced Polarization, between 1970 and 1972. The property was optioned to Sumac Mines Ltd. who drilled 934 m in 14 diamond drill holes during the following two years. Drilling results indicated a 200 m by 100 m zone of magnetite-skarn mineralization with a thickness of 10 m to 30 m. Grades for the zone were 1.6 to 2.4 g/t Au and 0.46% Cu, with a tonnage of one million short tons.

Vital Resources optioned the property from Kennco in 1980, and drilled an additional four diamond drill holes. BP Resources Canada Limited optioned the property in 1984 and conducted a program consisting of relogging, sampling and analysis of existing drill core, along with geological mapping and geochemical sampling (rock chip and soils).

2.4 Summary of Work Done

Field work was conducted on the KLI claims from 27 July to 9 August, 1990. A 30.64 km grid was picketed with a 3.2 km east-west baseline and 1.44 km crosslines. Line spacing was 200 m. Lines were established with compass and hipchain; slope correction was employed were necessary. The grid was soil sampled and magnetometer and VLF-EM surveys were carried out. Four lines were added to the centre of the grid at a spacing of 100 m in an attempt to further delineate geophysical anomalies. Two days of prospecting and rock sampling were also done.

2.5 Claim Status

The KLI property comprises 40 two-post mineral claims. The claims are owned by Kennco Expl. (Western) Ltd. (50%) and by Vital Pacific Resources Ltd. (50%).

Claim Name	Units	Record No.	Expiry Date
KLI 1-8	8	89985-92	Aug. 10/93
KLI 9,10	2	89993,4	Aug. 10/92
KLI 11-15	4	89995-99	Aug. 10/93
KLI 16	1	90000	Aug. 10/92
KLI 17	1	90001	Aug. 10/93
KLI 18	1	90002	Aug. 10/92
KLI 19	1	90003	Aug. 10/93
KLI 20	1	90004	Aug. 10/92
KLI 21	1	91832	Sept. 11/92
KLI 25-28	4	91836-39	Sept. 11/92

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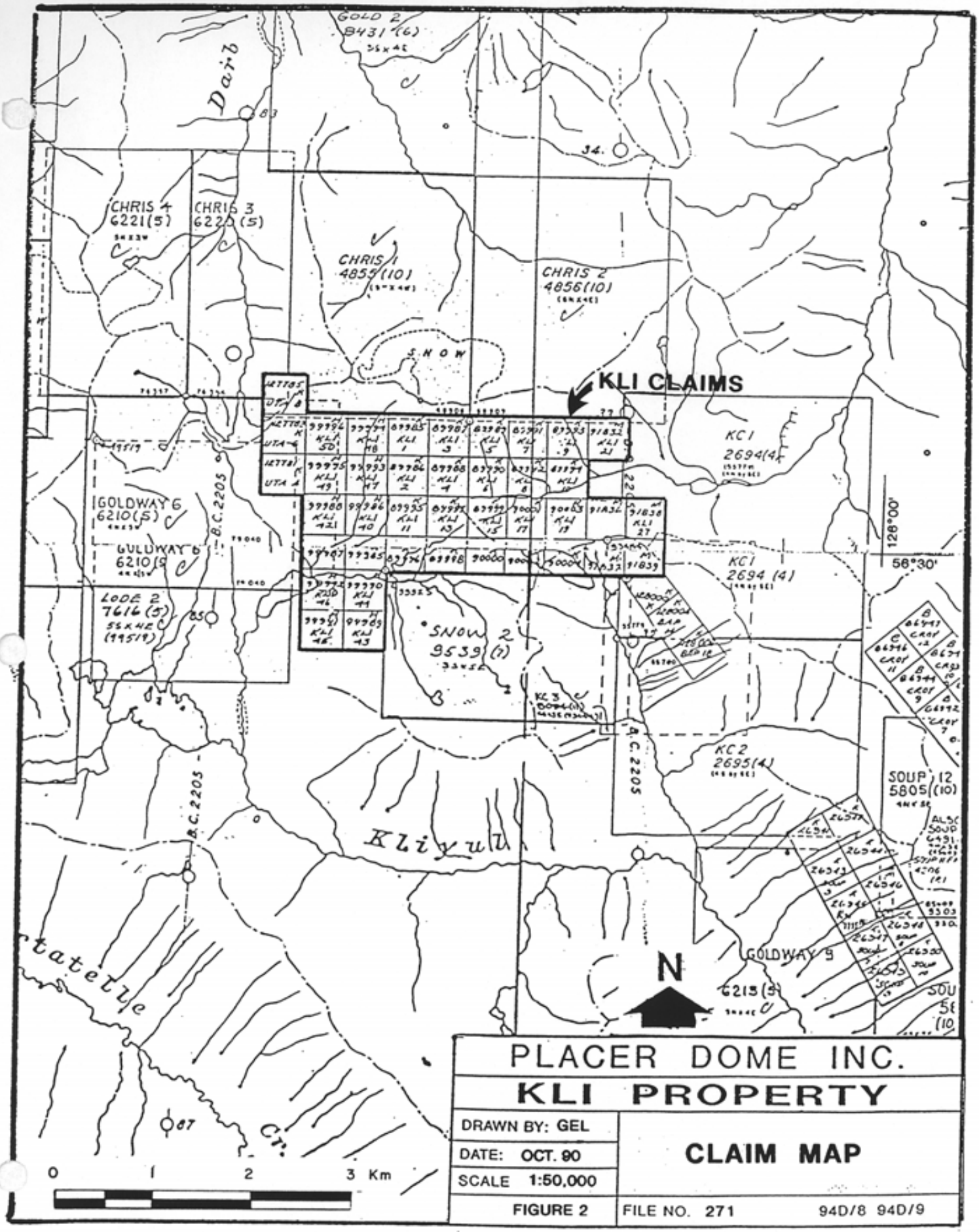


PLACER DOME INC.		
KLI PROPERTY		
DRAWN BY: GEL	**CLAIM MAP**	
DATE: OCT. 90		
SCALE 1:50,000		
FIGURE 2	FILE NO. 271	94D/8 94D/9

KLI 39-50	13	99985-96	July. 12/92
UTA 4,6,8	3	127781,3,5	Aug. 29/92

3.0 REGIONAL GEOLOGY

The KLI claims lie within Quesnellia, an accreted tectonic terrain consisting of Upper Triassic to Lower Jurassic island arc volcanics, volcaniclastics and comagmatic rocks overlain by Jurassic arc-derived clastic rocks. The claims are 10 km north of the north end of the Hogem Batholith. Just north of the KLI property lies the Darb Lake quartz diorite stock, equivalent in age to the Hogem Batholith (Jurassic-Cretaceous). The Dortatelle Fault, a regional structure which offsets the Hogem Batholith, runs along the western boundary of the property. A small splay off the Dortatelle Faults runs southeasterly through the centre of the claims and extends into the main valley of Kliyul Creek. This splay fault is responsible for deformation and alteration along a minimum of 7 km and is manifested visually in several large pyritic gossans along its eastern side.

Gold-bearing quartz veins occur sporadically throughout gossanous zones on the KLI and neighbouring KC/BAP claims. Gold-bearing magnetite-chalcopyrite mineralization is also present, occurring in the main showing on the KLI claims and on the Soup claims, 5 km to the southeast.

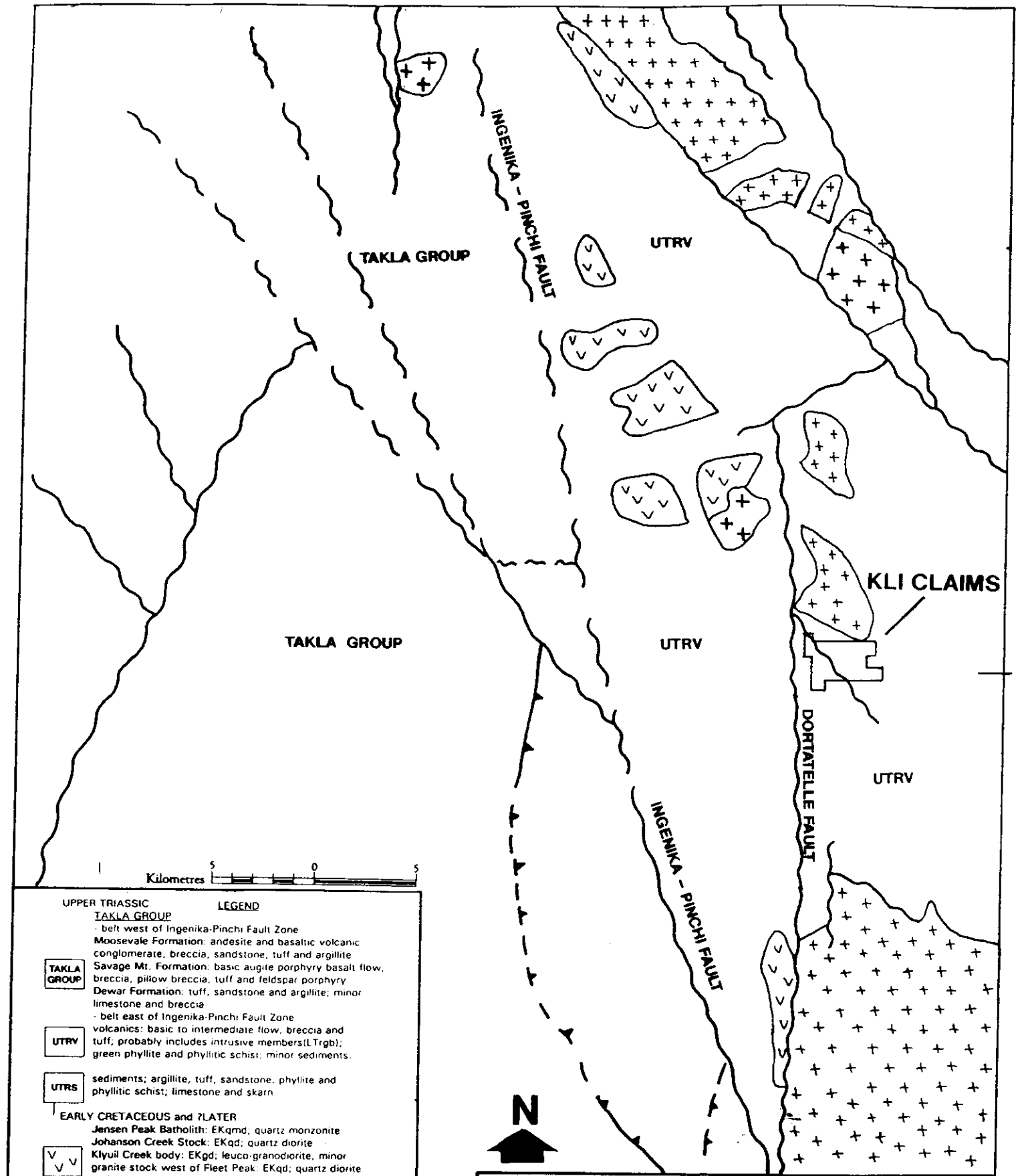
4.0 PROPERTY GEOLOGY

Geological mapping was not conducted during the 1990 field program. The distribution and description of various rock types on the property are from Smit and Meyers (1984).

The Upper Triassic to Lower Jurassic Takla Group underlies the entire property. Fine to coarse andesitic tuff is the predominant lithology, with lesser interbedded limestone and pyritic argillite. Tuffs and argillite are highly calcareous.

A small diorite plug, approximately 100 m by 200 m in plan, intrudes volcanic rocks between L1400 E and L1600 E near station 2550 N. The intrusion contains about 1% disseminated pyrite and is enveloped by an aureole of hornfelsing. A second diorite intrusion is present along the baseline at 3100 E, just east of the main showing.

The volcanic sequence has been faulted and locally sheared, and the rocks have undergone regional greenschist metamorphism. Local propylitization is common in the tuffs. Magnetite-rich copper and gold bearing skarn mineralization and auriferous quartz veining occur within the tuffs.



LEGEND

UPPER TRIASSIC

TAKLA GROUP

- belt west of Ingenika-Pinchi Fault Zone

TAKLA GROUP — Moosevale Formation: andesite and basaltic volcanic conglomerate, breccia, sandstone, tuff and argillite
Savage Mt. Formation: basic augite porphyry basalt flow, breccia, pillow breccia, tuff and feldspar porphyry
Dewar Formation: tuff, sandstone and argillite; minor limestone and breccia

- belt east of Ingenika-Pinchi Fault Zone

UTRV — volcanics: basic to intermediate flow, breccia and tuff; probably includes intrusive members(LTrgb); green phyllite and phyllitic schist; minor sediments.

UTRS — sediments; argillite, tuff, sandstone, phyllite and phyllitic schist; limestone and skarn

EARLY CRETACEOUS and ?LATER

Jensen Peak Batholith: EKqmd; quartz monzonite
Johanson Creek Stock: EKqd; quartz diorite
Klyuil Creek body: EKgd; leuco-granodiorite, minor granite stock west of Fleet Peak: EKqd; quartz diorite and granodiorite
stock west of Hogem Batholith: EKgd; granodiorite

EARLY JURASSIC

Hogem Batholith: EJqmd; foliated quartz monzodiorite (Mesinlinka Pluton)
Fleet Peak Pluton: foliated EJmd; monzodiorite and diorite
Johanson Lake Stock: EJqmd; quartz monzodiorite
Darb Lake Stock: EJqd; quartz diorite
Asitka Peak Stock: EJqd; quartz diorite

LATE TRIASSIC

Aleskan-type ultramafics; gabbro, hornblendite, pyroxenite and dunite

PLACER DOME INC.

KLI PROPERTY

DRAWN BY: GEL	**REGIONAL GEOLOGY MAP**
DATE: OCT 90	
SCALE 1:250,000	
FIGURE 3	V-271 94D/8,9

5.0 GEOCHEMISTRY

5.1 Soil Samples

Soil sample pits were excavated using a mattock and samples were placed in labelled Kraft paper bags. Samples were taken at 50 m stations on the baseline, and 40 m stations on the gridlines. Samples were taken from the "B" soil horizon where possible, and notes were taken on sample location and characteristics. A total of 748 soil samples were collected. All samples were geochemically analyzed for Au, Ag, As, Cu, Mo, Pb, and Zn. Analytical techniques and detection limits are listed in Appendix 1.

Soil horizons are moderately developed on the KLI property, except for areas of outcrop in the northern and southeastern sectors. Soils on the property have developed from a variety of parent materials. These include glacial till, alluvial material, talus, and bedrock. The predominant parent material is till.

5.1.1 Results

Tabulated below are the basic statistics for soil geochemical results from the KLI property.

Element	Minimum Value	Mean	Maximum Value	Standard Deviation
Gold	<5 ppb	59 ppb	1365 ppb	93 ppb
Silver	<0.2 ppm	0.3 ppm	3.2 ppm	0.3 ppm
Arsenic	1 ppm	4 ppm	114 ppm	9 ppm
Copper	11 ppm	135 ppm	1600 ppm	131 ppm
Molybdenum	<1 ppm	3 ppm	36 ppm	4 ppm
Lead	<2 ppm	11 ppm	332 ppm	22 ppm
Zinc	26 ppm	97 ppm	1750 ppm	88 ppm

Results for the soil samples are listed in Appendix II and displayed in Figures 6-12.

5.1.2 Discussion

Three dominant multi-element anomalies appear in the soil geochemistry on the KLI property. Anomaly 'A' consists of elevated gold and copper with spotty high silver, in a 400 m by 400 m square pattern centred at L3000 E, 1950 N. The anomaly shows an easterly trending dispersion train. Anomaly 'A' includes the previously defined magnetite skarn zone and is coincident to a ground magnetic anomaly.

Anomaly 'B' occurs on Bap Ridge, a strongly gossanous ridge in the southeast corner of the property. This anomaly forms an elongate, north trending pattern consisting of elevated gold, silver, arsenic, zinc and lead on L4200 E from 1900 N to 1280 N. It is open to the east and south.

Anomaly 'C' consists of elevated arsenic, molybdenum, zinc, and copper with lesser silver and lead. It occurs at the northwestern corner of the grid and is probably associated with a dioritic plug to the east between L1400 E and L1600 E near 2550 N. The majority of the elements are distributed unevenly within the anomaly, but molybdenum shows a well defined halo pattern that surrounds the intrusion.

Gold

Gold values are generally elevated throughout the entire grid. This may be a result of elevated gold in widespread pyrite mineralization across the property. The main gold anomaly is Anomaly 'A'. Most of values within this anomaly are between 50-150 ppb with spot highs to 950 ppb.

Elevated gold on the north side of the grid probably reflects values in bedrock due to the poor development of soil on the talus and outcrop of these slopes. A line anomaly on L1600 E trending south from the baseline is most likely real. The parent material for the samples down L1600 E, south of the baseline, is an alluvial fan deposited by a south flowing creek from the northern ridge.

Silver

Generally, silver values are low. Two samples showed high silver (1.1 and 3.2 ppm) in association with Anomaly 'A'. Moderately elevated values are associated with Anomalies 'B' and 'C' (0.8-1.8 ppm). Values in Anomaly 'B' are quite uniformly elevated. Anomalous silver values follow a similar pattern to gold.

Arsenic

Arsenic geochemistry shows four main anomalous patterns. Moderate values (10-30 ppm) occur in both Anomalies 'B' and 'C', and in an east-southeast trending band in the south-central to southeast portion of the grid. High values occur along the northern ridge with six samples having greater than 50 ppm arsenic.

In Anomaly 'C', the arsenic is a result of arsenopyrite bearing quartz veins seen in the talus on L1000 E. The high values on the northern ridge are probably due to similar veins associated with the intrusive which forms the top of the ridge.

The east-southeasterly trending band in the southeastern sector appears to be associated with a strong VLF conductor. The northwestern end of the band weakly haloes Anomaly 'A', while the main part of the band continues to the east-southeast directly overlying the VLF conductor. VLF in this region appears to be mapping stratigraphy. This anomaly indicates that solutions that were generated in the magnetite skarn (within Anomaly 'A') may have migrated along stratigraphy to the east-southeast.

Copper

The main copper anomaly is Anomaly 'A' with average values of 200 to 250 ppm and a high of 1600 ppm. Anomalous values along the baseline to the east of Anomaly 'A' are probably hydromorphic and as such have little meaning.

Anomalies in the southwestern and southeastern sectors approximately trend east-west and probably reflect higher values in the bedrock, which also trends in a similar direction (as indicated by VLF conductors). The southeastern anomaly, which is vaguely associated with elevated gold geochemistry, is drill tested. Core from this area contained chalcopyrite and pyrite.

Another east-west anomaly in the northwest sector is just south of Anomaly 'C'. These elevated copper levels most likely also related to the dioritic intrusion.

Molybdenum

Molybdenum levels are generally low. One notable halo pattern, Anomaly 'C', occurs in the northwestern corner. Within the halo, molybdenum values range from 10 to 33 ppm. Apart from Anomaly 'C', other high values are scattered and confined to the southeastern sector.

Lead

Three anomalous patterns occur in the lead geochemistry. One is in the northwestern corner in Anomaly 'C' with values varying from 17 ppm to 79 ppm.

The second zone of elevated lead, located to the east of Anomaly 'A', runs parallel to Lay Creek in an east-northeasterly direction. This anomaly is about 80 m wide by 800 m long, with values from 22 ppm to 84 ppm lead. This anomaly is possibly related to hydromorphic dispersion along Lay Creek.

The third anomalous area, Anomaly 'B', is between Lay Creek and the Bap Ridge on L4200 E. Values are generally in the 60 ppm range, but four samples returned values in the 190 to 332 ppm range.

Zinc

Elevated zinc values occur in both Anomaly 'B' and 'C'. A weak anomaly seems to be coincident with the lead parallel to Lay Creek, in the northeastern sector.

5.2 Rock Samples

A total of thirty rock samples and six drill core samples were taken on the KLI property. The majority of rock samples taken were grab samples, except for four chip samples taken across quartz veins. The drill core samples were taken from Sumac's DDH-11 and 15. All samples were geochemically analyzed for Au, Ag, As, Cu, Pb, and Zn. Some of the samples were also analysed for Hg, Mo and Sb. The analytical techniques and detection limits are listed in Appendix I.

5.2.1 Results

Results from the KLI rock and drill core samples are listed in Appendix III and IV along with a brief description of each rock sample. Results are also displayed on Figures 6-12.

Only seven (A4603, A4605, A4847, A4848, A7737, A7738, A7740) of the thirty rock samples were anomalous in gold. Three of these samples (A4605, A4847, A4848) were taken from two 0.5-1.5 m wide quartz veins in the northwest corner of the grid. Anomalous elements in the veins included gold, silver and molybdenum. The quartz veins contained no visible sulphides, but weathered surfaces were covered with minor limonite staining. Pyritization was present in the wallrock, and in wallrock fragments within the veins.

The fourth anomalous sample (A4603) was taken from a boulder on the talus slope, 200 m to the east of the above quartz veining. It consisted of a 2.5 cm quartz vein and numerous quartz stringers (0.2-0.5 cm) within silicified fine-grained tuff. The vein contained 1% pyrite as 0.2-0.4 cm blebs.

Samples A7737 and A7738 were taken upslope from Lay Creek at 3165E from an outcrop of pyritic tuff. These samples were anomalous for gold, silver and copper. Sample A7738 was from a 2 cm quartz zone with malachite staining.

Two samples from the Bap Ridge (A4843, A4844), were anomalous in zinc with values of 223 ppm and 283 ppm, respectively. Sample A4844 was also anomalous in mercury with 740 ppb. Both samples consisted of weakly pyritized limonite stained andesite tuff. Minor epidote occurred along fractures.

5.2.2 Discussion

Apart from the samples and elements mentioned above, all other results are fairly low. No significant copper or lead mineralization occurred in any of the rock samples.

6.0 GEOPHYSICS

Magnetometer and VLF-EM surveys were conducted on 27.44 km of crosslines. Magnetometer readings were taken at 10 m stations, and VLF readings at 20 m stations.

6.1 Magnetometer

The main objective of the magnetometer survey was to see if any other magnetic targets bearing Cu-Au mineralization, similar to the magnetite skarn zone found by Sumac, existed on the property.

The magnetometer survey was conducted using two Geometrics G-856A portable proton magnetometers (memory-mags). One was used in the field mode while the other was used in a base station mode. The internal clocks were synchronized before commencement of the survey and subsequent daily readings were dumped out to disk in a Toshiba laptop portable computer. The data from the two magnetometers was merged and corrected for diurnal drift from an established base station value. The corrected results were stored on disk for eventual transfer to a Sun computer system for final plotting and processing.

6.1.1 Results and Discussion

The magnetometer survey results are plotted as plan maps of stacked profiles and contoured data at a scale of 1:5000 (Figures 14 and 15). The grid area, in general, is magnetically quiet with the exception of a zone centred at 2800 E, 1900 N. This zone is approximately 400 metres by 600 metres in size

and encompasses the area of the magnetite skarn showing. Weaker anomalies to the northwest, northeast and southeast are related to exposed intrusive rock.

6.2 VLF-EM Survey

The main objective of the VLF survey was to see if any major structures trend down the valley that might explain the localization of the known Cu-Au mineralization and possibly indicate further zones.

The VLF-EM survey employed a Geonics EM-16 which used the Cutler, Maine (NAA, 24.0 kHz) transmitting station along the north-south lines. The direction to the Cutler station was 095 degrees azimuth and therefore readings were taken facing 005 degrees azimuth. Cross-overs are in the sense of positive to negative as one traverses north along the lines. Positive values are plotted on the west side of the profile plot. VLF readings were entered onto disk in a Toshiba laptop portable computer. The stored data was transferred to a Sun computer system for final plotting and processing.

6.2.1 Results and Discussion

The VLF-EM survey results were plotted as stacked In-phase, Quadrature and Fraser Filter profiles at a scale of 1:5000 (Figure 16). The Fraser Filter data was calculated as per the method put forth by D.C. Fraser (1969, Contouring of VLF-EM Data: Geophysics, v.34, p. 958-967).

The data shows that south of 2000 N, the baseline, the trend of the conductor axes is west to west-northwest. North of 2000 N the conductor axes trend slightly south of due west. Strong conductors south of the main magnetic anomaly are probably caused by sulphide-rich shale beds which commonly appear in float in the area. Northwesterly trending conductors in the west are most likely continuation of these sulphide-rich beds. West-southwesterly conductors north of the baseline may also reflect stratigraphy.

An east-west conductor that runs along Lay Creek is interrupted by the main magnetic anomaly indicating that the structure is pre-mineralization. However, a parallel structure 100 m south bisects the magnetic anomaly, and is reflected by lower magnetic levels, indicating a post-mineralization structure.

7.0 CONCLUSIONS

1. Since known mineralization is copper-gold, and is reflected in the soil geochemistry by coincident copper and gold anomalies, only such anomalies are considered targets. No new copper and gold targets were found.

2. The geophysical results do not indicate any additional mineralized zones apart from the known skarn mineralization.

3. Geochemical Anomaly 'A' is coincident to the main magnetic anomaly, and reflects the magnetite copper-gold bearing skarn zone. The geochemistry and magnetics show that the mineralization covers an area about three times that previously believed. The northern part of the zone has been sufficiently drilled, but the south part has not been drill tested. However, if all the untested area is mineralized then an increase of only three times the current reserves, or three million tons, can be expected.

4. The generally high levels of gold in the soils is probably a result of elevated gold in the widespread pyrite.

5. Quartz veining sampled in the northwest produced only subeconomic gold grades, and is unrelated to skarn mineralization. The quartz veining is of no significant economic value.

8.0 RECOMMENDATIONS

The present information indicates little potential for economic copper and/or gold mineralization on the KLI property, therefore no further work is recommended.

APPENDIX I

Analytical Techniques and Detection Limits

ANALYTICAL TECHNIQUES AND DETECTION LIMITS

Placer Dome's Inc. Vancouver Analytical Laboratory

Element	Units	Wt(g)	Attack	Time	Range	Method
Ag	ppm	0.5	HCL04/HN0	34 hrs	0.2-20	A.A. Background Correction
As	ppm	0.5	Aqua Regia	3 hrs	2-2000	DC Plasma
Au	ppb	10.0	Aqua Regia	3 hrs	5-4000	A.A. Solvent Extraction
Cu	ppm	0.5	HCL04/HN0	4 hrs	2-4000	Atomic Absorption
Hg	ppb	0.25	DIL HN03/HCL	2 hrs	5-2000	A.A. Cold Vapor Gen.
Mo	ppm	0.5	HCL04/HN0	34 hrs	1-1000	Atomic Absorption
Pb	ppm	0.5	HCL04/HN0	34 hrs	2-3000	A.A. Background Correction
Sb	ppm	0.5	HCL/HN0	33 hrs	2-2000	DC Plasma
Zn	ppm	0.5	HCL04/HN0	34 hrs	2-3000	Atomic Absorption

APPENDIX II

Soil Sample Results and Statistics

PDI GEOCHEM SYSTEM: DATA FROM : Kli claims - Soil Sample Analyses

East	North	Ag PPM	As PPM	Au1 PPB	Cu PPM	Mo PPM	Pb PPM	Zn PPM
1050.	2000.	0.1	1	50	298	3	9	100
1100.	2000.	NSS	1	25	NSS	NSS	NSS	NSS
1150.	2000.	0.3	1	50	174	5	5	66
1250.	2000.	0.2	1	15	94	4	5	84
1300.	2000.	0.1	1	30	132	3	4	72
1350.	2000.	0.1	1	30	136	3	3	80
1450.	2000.	0.1	1	15	149	6	4	89
1500.	2000.	0.1	1	25	110	6	4	71
1550.	2000.	0.1	1	30	88	5	4	81
1650.	2000.	0.2	1	25	87	4	4	69
1700.	2000.	0.3	1	2.5	54	4	5	65
1750.	2000.	0.2	1	2.5	62	2	4	59
1850.	2000.	0.1	1	15	74	2	5	103
1900.	2000.	0.1	1	35	69	3	2	62
1950.	2000.	0.2	1	25	111	6	3	93
2050.	2000.	0.2	1	10	68	6	5	103
2100.	2000.	0.3	1	20	140	6	6	83
2150.	2000.	0.2	1	2.5	61	3	6	128
2250.	2000.	0.1	1	15	115	2	7	69
2300.	2000.	0.1	1	20	74	5	16	78
2350.	2000.	0.2	1	25	74	0.5	6	87
2450.	2000.	0.2	1	95	76	0.5	92	105
2500.	2000.	0.2	1	10	113	0.5	10	56
2550.	2000.	0.1	1	25	100	0.5	13	90
2650.	2000.	0.2	1	10	165	1	10	85
2700.	2000.	0.2	1	5	63	2	10	51
2750.	2000.	0.1	1	15	68	2	8	50
2850.	2000.	3.2	20	690	520	1	48	180
2900.	2000.	1.1	1	100	307	2	10	111
2950.	2000.	0.5	1	55	255	1	8	66
3050.	2000.	0.3	1	55	206	0.5	10	82
3100.	2000.	0.3	1	75	360	0.5	11	96
3150.	2000.	0.4	1	60	147	0.5	12	85
3250.	2000.	0.1	1	40	1110	2	4	57
3300.	2000.	0.2	1	25	119	0.5	9	62
3350.	2000.	0.2	1	25	261	12	4	44
3450.	2000.	0.4	4	65	1210	0.5	5	55
3500.	2000.	0.1	1	20	1250	3	5	90
3550.	2000.	0.3	2	35	75	0.5	9	83
3650.	2000.	0.1	1	10	79	0.5	4	39
3700.	2000.	0.1	1	50	59	0.5	6	53
3750.	2000.	0.1	1	80	45	0.5	9	72
3850.	2000.	0.3	1	80	73	1	7	63
3900.	2000.	0.1	8	55	115	0.5	6	73
3950.	2000.	0.2	6	10	74	2	11	62
4050.	2000.	0.1	1	25	98	1	68	240
4100.	2000.	0.2	6	15	109	1	93	405
4150.	2000.	0.8	4	405	92	1	16	140
1000.	2000.	0.9	1	40	122	3	8	94
1000.	2040.	0.3	1	25	70	4	9	77
1000.	2080.	0.5	1	30	80	6	6	75
1000.	2120.	0.4	1	50	93	7	8	70
1000.	2160.	0.5	1	25	87	8	7	100
1000.	2200.	0.4	1	30	63	7	7	116
1000.	2240.	0.3	4	45	80	19	9	116
1000.	2280.	0.3	2	40	120	18	11	196
1000.	2320.	0.3	8	45	109	15	11	190
1000.	2360.	0.2	10	50	112	13	14	225
1000.	2400.	0.7	10	20	214	22	23	420
1000.	2440.	0.3	10	10	124	27	14	290

1000.	2480.	0.7	22	20	109	15	28	490
1000.	2520.	0.4	16	30	116	5	33	206
1000.	2560.	0.8	20	55	358	33	28	1750
1000.	2600.	0.6	8	30	96	2	30	390
1000.	2640.	0.5	4	70	95	2	26	144
1000.	2680.	0.2	10	35	91	2	17	129
1000.	2720.	0.4	1	40	91	2	19	142
1200.	2000.	0.4	1	20	88	7	4	101
1200.	2040.	0.1	1	20	140	9	6	107
1200.	2080.	0.6	1	70	146	20	8	67
1200.	2120.	0.6	1	30	126	13	6	67
1200.	2160.	0.5	1	95	262	23	7	58
1200.	2200.	0.2	1	30	263	5	5	54
1200.	2240.	0.2	1	30	204	12	5	50
1200.	2280.	0.1	1	30	155	7	7	39
1200.	2320.	0.2	1	905	197	7	3	67
1200.	2360.	0.2	1	115	147	10	9	63
1200.	2400.	0.8	1	80	147	8	22	72
1200.	2440.	0.4	1	30	115	7	4	74
1200.	2480.	0.3	1	105	117	6	6	86
1200.	2520.	0.6	1	75	200	9	6	113
1200.	2560.	0.9	1	75	164	14	7	109
1200.	2600.	0.7	1	75	140	14	6	75
1200.	2640.	1.4	1	230	275	12	9	135
1200.	2690.	1.3	1	80	144	6	46	355
1200.	2720.	1.4	1	210	130	4	66	227
1400.	2000.	0.8	1	40	153	8	15	100
1400.	2040.	0.8	1	40	173	10	7	101
1400.	2080.	0.7	1	30	164	9	10	103
1400.	2120.	0.7	1	55	213	10	13	84
1400.	2160.	1.0	1	95	237	15	10	76
1400.	2200.	0.4	1	30	192	10	5	68
1400.	2240.	0.6	1	90	329	24	9	62
1400.	2280.	0.6	2	15	145	6	5	53
1400.	2320.	0.5	2	2.5	147	3	2	48
1400.	2360.	0.3	1	65	188	3	6	45
1400.	2400.	1.2	1	100	260	10	5	78
1400.	2440.	1.5	1	285	131	1	3	56
1400.	2480.	0.7	1	45	227	3	4	59
1400.	2520.	1.8	1	95	213	2	7	72
1400.	2560.	0.6	1	2.5	68	1	1	74
1400.	2600.	0.5	1	2.5	35	3	9	102
1400.	2640.	0.2	1	15	11	1	4	55
1400.	2680.	1.3	1	105	174	32	19	118
1400.	2720.	2.3	1	200	190	32	79	237
1600.	2000.	0.4	1	95	114	5	5	78
1600.	2040.	0.3	1	50	121	3	5	81
1600.	2080.	0.9	1	55	185	4	4	80
1600.	2120.	0.3	1	85	157	11	5	86
1600.	2160.	0.6	1	35	151	13	7	97
1600.	2200.	0.5	1	65	198	10	6	76
1600.	2240.	0.7	1	75	400	13	5	94
1600.	2280.	0.9	1	15	247	11	3	74
1600.	2320.	0.7	1	30	260	7	2	67
1600.	2360.	0.3	1	2.5	75	8	5	53
1600.	2400.	0.6	1	2.5	60	6	4	45
1600.	2440.	0.6	1	2.5	51	4	2	63
1600.	2480.	0.5	1	35	170	6	4	101
1600.	2520.	0.6	1	40	342	14	7	400
1600.	2560.	1.1	1	80	420	13	22	288
1600.	2600.	0.4	1	40	194	10	8	142
1600.	2640.	0.5	1	75	131	3	3	78
1600.	2680.	0.2	1	45	229	8	6	133
1600.	2720.	0.5	1	2.5	119	3	3	144
1800.	2000.	0.2	1	35	53	2	4	81
1800.	2040.	0.5	1	40	113	3	4	100

1800.	2080.	0.2	1	40	113	6	4	95
1800.	2120.	0.3	1	40	136	9	5	103
1800.	2160.	0.4	1	35	134	8	4	94
1800.	2200.	0.3	1	65	127	10	3	78
1800.	2240.	0.4	1	70	174	6	5	90
1800.	2280.	1.4	1	65	194	6	4	92
1800.	2320.	0.9	1	80	192	14	10	228
1800.	2360.	0.7	1	150	131	13	9	87
1800.	2400.	0.4	1	100	123	3	5	84
1800.	2440.	0.5	2	70	233	3	7	133
1800.	2480.	0.4	1	45	66	7	6	160
1800.	2520.	0.5	4	65	82	3	4	92
1800.	2600.	0.4	1	75	108	8	3	82
1800.	2640.	0.2	8	40	20	3	4	58
1800.	2680.	0.4	1	120	56	3	3	65
1800.	2720.	1.6	1	255	311	7	7	106
1815.	2560.	0.7	1	90	190	3	5	103
2000.	2000.	0.4	1	85	102	4	5	95
2000.	2040.	0.4	1	65	93	6	6	95
2000.	2080.	0.3	1	75	110	5	7	104
2000.	2120.	0.5	1	80	82	4	4	87
2000.	2160.	0.3	1	55	102	5	5	85
2000.	2200.	0.5	2	40	73	5	6	90
2000.	2240.	0.7	1	45	83	7	6	92
2000.	2280.	0.7	1	45	116	6	8	119
2000.	2320.	0.7	1	55	146	6	18	147
2000.	2360.	0.9	1	40	120	6	23	210
2000.	2400.	0.7	1	30	104	7	48	160
2000.	2440.	0.4	1	20	74	4	11	100
2000.	2480.	0.6	1	15	56	4	10	114
2000.	2520.	0.3	1	70	89	0.5	5	82
2000.	2560.	0.2	1	75	85	0.5	10	101
2000.	2600.	0.3	1	90	211	1	7	78
2000.	2640.	0.2	1	70	114	2	4	85
2000.	2680.	0.3	1	120	171	2	6	97
2200.	2000.	0.4	1	40	86	2	5	150
2200.	2040.	0.3	1	55	77	0.5	4	67
2200.	2080.	0.2	1	40	108	0.5	10	130
2200.	2120.	0.2	1	50	119	0.5	4	81
2200.	2160.	0.2	1	25	64	0.5	5	71
2200.	2200.	0.2	1	20	109	2	2	87
2200.	2240.	0.2	1	35	92	1	10	101
2200.	2280.	0.1	1	45	87	3	8	96
2200.	2320.	0.1	1	35	76	1	12	109
2200.	2360.	0.1	1	25	65	0.5	10	92
2200.	2400.	0.1	1	30	59	1	8	79
2200.	2490.	0.2	1	25	82	0.5	5	58
2200.	2510.	1.0	1	1365	33	6	4	45
2200.	2560.	0.2	1	15	109	0.5	5	66
2200.	2605.	0.2	1	2.5	84	0.5	3	72
2200.	2720.	0.2	1	85	120	0.5	3	76
2210.	2620.	0.6	1	365	238	0.5	6	100
2210.	2680.	0.3	1	50	124	0.5	4	70
2215.	2440.	0.2	1	25	85	0.5	7	70
2390.	2680.	0.6	14	160	158	3	21	133
2390.	2710.	0.4	18	105	160	0.5	11	110
2400.	2000.	0.2	1	45	140	0.5	3	70
2400.	2040.	0.3	1	30	98	2	8	94
2400.	2080.	0.2	1	50	110	0.5	6	75
2400.	2120.	0.2	1	20	92	0.5	8	100
2400.	2160.	0.2	1	30	94	0.5	6	90
2400.	2200.	0.2	1	30	114	0.5	5	88
2400.	2240.	0.2	1	25	95	0.5	6	79
2400.	2280.	0.2	4	45	126	0.5	7	91
2400.	2320.	0.2	8	35	100	0.5	6	90
2400.	2360.	0.1	6	15	110	0.5	6	105

2400.	2400.	0.2	1	25	79	1	8	105
2400.	2440.	0.2	1	30	103	1	11	120
2400.	2480.	0.2	1	15	140	2	14	123
2400.	2520.	0.2	1	30	190	0.5	11	137
2400.	2560.	0.1	1	10	64	0.5	4	81
2400.	2600.	0.2	1	2.5	70	0.5	8	95
2400.	2640.	0.4	1	150	155	0.5	24	136
2600.	2000.	0.2	1	10	153	0.5	23	41
2600.	2040.	0.5	1	35	54	0.5	23	58
2600.	2080.	0.5	1	30	54	2	8	84
2600.	2120.	0.2	1	40	94	3	7	83
2600.	2160.	0.1	1	30	91	0.5	7	77
2600.	2200.	0.1	1	35	96	0.5	8	83
2600.	2240.	0.1	1	125	101	0.5	8	76
2600.	2280.	0.1	1	20	100	0.5	9	80
2600.	2320.	0.1	1	50	103	1	9	75
2600.	2360.	0.1	1	35	115	1	7	73
2600.	2400.	0.1	1	30	120	1	9	77
2600.	2440.	0.1	1	35	123	2	8	83
2600.	2480.	0.1	1	40	125	1	8	109
2600.	2520.	0.1	1	30	120	1	20	76
2600.	2560.	0.1	1	50	104	5	14	75
2600.	2600.	0.2	1	25	188	0.5	7	105
2600.	2640.	0.2	1	15	115	2	8	56
2600.	2720.	0.3	1	95	158	1	11	65
2605.	2690.	0.3	1	80	223	2	9	85
2800.	2000.	0.3	1	25	92	0.5	3	51
2800.	2040.	0.4	1	225	121	0.5	11	78
2800.	2080.	0.3	1	65	175	2	14	78
2800.	2120.	0.2	1	30	127	1	6	83
2800.	2160.	0.1	1	40	131	0.5	8	71
2800.	2200.	0.1	1	40	126	1	8	80
2800.	2240.	0.2	1	25	121	1	6	63
2800.	2280.	0.2	1	65	118	0.5	6	70
2800.	2320.	0.2	1	30	132	0.5	7	78
2800.	2360.	0.1	1	40	116	0.5	7	72
2800.	2400.	0.2	1	10	97	1	6	64
2800.	2440.	0.4	1	25	108	1	7	75
2800.	2480.	0.1	1	30	120	2	8	76
2800.	2520.	0.3	1	20	85	2	6	80
2800.	2560.	0.4	1	60	90	3	18	90
2800.	2600.	0.4	1	70	104	4	18	76
2800.	2640.	0.4	1	40	95	3	10	53
2800.	2680.	0.3	80	160	106	3	8	57
2800.	2720.	0.4	1	70	284	1	5	80
3000.	2000.	0.5	1	125	241	2	7	71
3000.	2040.	0.5	1	175	365	3	10	97
3000.	2080.	0.4	1	70	221	2	10	80
3000.	2080.	0.3	<2	55	234	4	9	71
3000.	2120.	0.3	1	30	111	2	19	66
3000.	2160.	0.4	1	25	76	3	7	90
3000.	2200.	0.4	1	25	78	3	6	86
3000.	2240.	0.3	1	35	64	2	7	140
3000.	2280.	0.4	1	15	76	3	5	136
3000.	2320.	0.4	1	65	94	2	6	106
3000.	2360.	0.3	1	10	46	3	5	88
3000.	2400.	0.3	1	20	55	3	6	88
3000.	2440.	0.3	1	35	86	2	6	77
3000.	2480.	0.4	1	45	128	1	10	90
3000.	2520.	0.4	1	95	100	1	9	84
3000.	2560.	0.4	1	35	92	2	8	81
3000.	2600.	0.4	12	70	144	4	10	70
3000.	2640.	0.4	24	75	167	4	9	66
3000.	2680.	0.5	14	25	102	4	8	65
3000.	2720.	0.3	1	115	123	1	5	84
3200.	2000.	0.6	1	115	270	2	8	80

3200.	2040.	0.7	6	145	131	5	14	87
3200.	2080.	0.5	1	30	211	4	14	120
3200.	2120.	0.5	1	45	121	4	11	100
3200.	2160.	0.7	1	65	108	5	12	95
3200.	2200.	0.9	1	85	105	7	14	105
3200.	2240.	0.8	1	50	184	4	13	110
3200.	2280.	0.6	1	10	110	2	4	100
3200.	2320.	0.4	2	30	120	3	23	94
3200.	2360.	0.3	10	20	178	4	10	118
3200.	2400.	0.3	1	115	134	3	9	105
3200.	2440.	0.3	1	30	126	2	12	85
3200.	2480.	0.4	1	105	144	3	9	84
3200.	2520.	0.2	1	45	100	3	10	94
3200.	2560.	0.6	20	65	148	2	18	127
3200.	2600.	0.2	1	25	90	3	9	70
3200.	2640.	0.2	1	15	60	1	6	103
3200.	2680.	0.4	1	30	132	2	7	70
3200.	2720.	0.2	30	45	146	10	7	66
3400.	2000.	0.3	1	55	92	5	5	58
3400.	2040.	0.3	1	25	135	5	21	86
3400.	2080.	0.2	1	50	187	3	8	85
3400.	2120.	0.9	1	75	222	9	84	124
3400.	2160.	0.9	1	100	106	4	57	86
3400.	2200.	0.4	8	115	114	3	11	116
3400.	2240.	0.3	2	35	111	3	11	77
3400.	2280.	0.4	10	40	112	2	9	66
3400.	2320.	0.4	8	30	122	2	10	107
3400.	2360.	0.4	1	170	103	3	10	88
3400.	2400.	0.3	1	50	91	3	8	106
3400.	2440.	0.3	1	45	124	3	9	80
3400.	2480.	0.2	1	30	105	2	10	110
3400.	2520.	0.2	14	40	92	1	10	87
3400.	2560.	0.3	56	15	116	1	8	97
3400.	2600.	0.4	78	45	106	2	8	72
3400.	2640.	0.2	1	10	11	2	5	73
3400.	2680.	0.2	46	15	78	1	10	85
3400.	2720.	0.2	1	2.5	22	2	3	116
3585.	2720.	0.3	1	50	117	1	10	84
3600.	2000.	0.5	1	60	168	3	10	72
3600.	2040.	0.5	1	80	83	3	9	62
3600.	2080.	0.4	1	50	126	3	11	76
3600.	2120.	0.3	1	60	570	3	16	100
3600.	2160.	0.5	1	20	62	3	25	84
3600.	2200.	0.4	6	100	114	2	48	162
3600.	2240.	0.5	1	40	87	2	77	97
3600.	2280.	0.4	10	50	100	2	10	87
3600.	2320.	0.4	6	45	72	1	8	50
3600.	2360.	0.4	12	30	62	1	8	65
3600.	2400.	0.3	1	30	45	1	6	70
3600.	2440.	0.4	4	305	95	2	7	76
3600.	2480.	0.3	6	75	114	2	7	79
3600.	2520.	0.4	20	105	122	1	9	78
3600.	2560.	0.3	2	45	55	2	7	80
3600.	2600.	0.3	1	110	57	2	6	64
3600.	2640.	0.2	2	10	51	1	8	96
3600.	2680.	0.3	1	2.5	127	1	9	86
3800.	2000.	0.5	1	65	122	2	8	100
3800.	2040.	0.4	1	45	38	2	7	46
3800.	2080.	0.5	4	70	48	2	9	51
3800.	2120.	0.4	8	100	80	3	10	53
3800.	2160.	0.2	10	85	73	11	10	134
3800.	2200.	0.3	1	70	215	10	23	135
3800.	2240.	0.7	1	65	118	3	45	178
3800.	2280.	0.3	2	55	91	2	22	106
3800.	2320.	0.3	18	50	100	0.5	10	78
3800.	2360.	0.3	20	30	97	1	6	73

3800.	2400.	0.4	1	15	50	1	4	56
3800.	2440.	0.2	8	45	120	1	13	74
3800.	2480.	0.3	1	85	119	1	13	73
3800.	2520.	0.3	1	30	142	2	6	74
3800.	2560.	0.2	10	40	83	2	7	74
3800.	2600.	0.2	2	65	137	3	6	70
3800.	2640.	0.2	104	25	66	1	5	87
3800.	2680.	0.2	114	40	111	1	5	82
3800.	2720.	0.3	80	10	150	2	10	94
1000.	1280.	0.2	13	70	170	10	6	135
1000.	1320.	0.1	8	40	74	4	6	63
1000.	1360.	0.1	6	20	92	3	6	69
1000.	1400.	0.1	2	10	86	2	8	83
1000.	1440.	0.1	2	10	73	4	4	80
1000.	1480.	0.1	3	35	62	5	8	89
1000.	1520.	0.1	2	2.5	53	7	10	63
1000.	1560.	0.1	1	2.5	29	3	4	55
1000.	1600.	0.1	2	2.5	44	3	8	70
1000.	1640.	0.1	1	2.5	75	1	2	34
1000.	1680.	0.1	6	10	174	2	4	147
1000.	1720.	0.2	8	2.5	115	3	6	170
1000.	1760.	0.1	3	35	92	3	4	80
1000.	1800.	0.1	1	5	71	0.5	4	106
1000.	1840.	0.2	2	5	104	4	6	102
1000.	1880.	0.1	1	10	96	4	8	105
1000.	1920.	0.2	3	50	139	4	6	67
1000.	1960.	0.4	1	50	145	2	8	90
1200.	1280.	0.1	4	50	160	2	6	81
1200.	1320.	0.2	4	100	170	7	6	162
1200.	1360.	0.1	7	70	93	1	6	63
1200.	1400.	0.1	5	160	74	3	4	94
1200.	1440.	0.1	4	2.5	46	2	4	81
1200.	1480.	0.6	NSS	NSS	580	1	6	66
1200.	1520.	0.3	1	50	89	2	6	97
1200.	1560.	2.0	2	67	130	1	6	53
1200.	1600.	0.2	1	50	46	2	2	88
1200.	1640.	0.3	3	40	102	4	8	128
1200.	1680.	0.3	1	50	85	1	2	82
1200.	1720.	0.3	1	50	80	3	6	86
1200.	1760.	0.1	1	45	70	1	6	128
1200.	1800.	0.2	1	55	54	3	6	96
1200.	1840.	0.6	2	20	74	1	6	64
1200.	1880.	0.3	1	50	125	6	6	77
1200.	1920.	0.2	3	45	74	5	4	84
1200.	1960.	0.2	1	50	106	3	4	79
1400.	1280.	0.2	4	2.5	72	3	8	107
1400.	1320.	0.2	1	2.5	88	2	2	80
1400.	1360.	0.3	1	90	133	3	6	112
1400.	1400.	0.2	1	115	175	4	8	118
1400.	1440.	0.1	3	75	136	3	10	104
1400.	1480.	0.1	1	45	100	3	6	107
1400.	1520.	0.3	1	50	96	4	4	90
1400.	1560.	0.3	1	15	35	1	8	79
1400.	1600.	1.1	3	2.5	136	1	8	40
1390.	1640.	<0.2	<2	30	113	3	6	87
1400.	1640.	0.5	3	30	73	4	4	65
1400.	1680.	<0.2	2	35	116	4	4	91
1400.	1680.	0.2	2	45	73	3	2	70
1400.	1720.	<0.2	<2	10	83	3	5	83
1400.	1720.	0.2	2	40	69	5	4	76
1400.	1760.	<0.2	<2	15	186	2	4	146
1400.	1760.	1.0	2	NSS	123	4	4	54
1400.	1800.	0.4	1	40	70	3	6	47
1400.	1840.	0.3	1	20	47	3	10	77
1400.	1840.	<0.2	<2	45	63	4	4	95
1400.	1880.	0.3	1	NSS	117	2	2	50

1400.	1920.	0.5	1	87	85	3	6	61
1400.	1960.	0.2	1	65	100	7	6	82
1600.	1280.	0.2	3	45	72	1	10	62
1600.	1320.	0.2	1	5	58	3	8	62
1600.	1360.	0.1	2	10	77	4	6	80
1600.	1400.	0.2	4	60	93	6	8	108
1600.	1440.	0.2	1	40	50	4	8	70
1600.	1480.	0.3	1	80	123	7	10	132
1600.	1520.	0.2	1	160	92	3	6	82
1600.	1560.	0.2	2	130	130	6	6	112
1600.	1600.	0.2	1	80	127	7	4	110
1600.	1640.	0.3	2	80	120	4	6	96
1600.	1680.	0.3	1	70	90	5	6	83
1600.	1720.	0.3	3	105	110	6	4	84
1600.	1720.	<0.2	<2	70	139	6	5	113
1600.	1760.	0.3	1	90	121	7	6	92
1600.	1760.	<0.2	2	70	138	6	6	107
1600.	1800.	0.3	1	100	120	6	4	83
1600.	1800.	<0.2	4	90	142	4	4	102
1600.	1840.	0.2	1	115	125	6	4	88
1600.	1840.	0.2	2	80	165	4	4	130
1600.	1880.	0.3	1	110	146	7	4	108
1600.	1880.	0.2	<2	200	186	6	6	110
1600.	1920.	0.3	1	115	197	7	4	127
1600.	1960.	0.2	1	330	80	5	6	73
1800.	1280.	0.1	3	25	33	1	2	58
1800.	1320.	0.1	4	40	33	1	2	60
1800.	1360.	0.1	3	2.5	48	2	1	54
1800.	1400.	0.1	7	25	52	2	1	75
1800.	1440.	0.1	2	25	220	5	2	94
1800.	1480.	0.1	1	2.5	154	1	2	103
1800.	1520.	0.2	1	25	332	2	1	100
1800.	1560.	0.1	1	10	850	3	1	100
1800.	1600.	0.1	1	2.5	630	0.5	1	75
1800.	1640.	0.2	5	5	82	4	2	65
1800.	1680.	0.1	1	25	144	4	2	115
1800.	1720.	0.1	2	10	190	5	2	100
1800.	1760.	0.1	2	25	64	1	2	114
1800.	1800.	2.6	1	2.5	63	1	4	62
1800.	1840.	0.5	4	25	80	1	4	64
1800.	1880.	0.4	4	40	217	1	24	85
1800.	1920.	0.1	2	40	56	1	6	72
1800.	1960.	0.1	4	35	70	3	4	71
2000.	1280.	0.1	9	15	188	1	4	90
2000.	1320.	0.1	2	30	102	1	2	108
2000.	1360.	0.1	3	10	74	1	2	80
2000.	1400.	0.1	1	20	64	0.5	2	66
2000.	1440.	0.1	4	15	82	2	1	106
2000.	1480.	0.1	3	NSS	700	4	4	100
2000.	1520.	0.1	2	NSS	600	1	6	43
2000.	1560.	0.2	1	20	360	6	8	67
2000.	1600.	0.1	1	40	300	2	1	94
2000.	1640.	0.1	1	30	106	2	8	82
2000.	1680.	0.1	4	40	48	1	6	72
2000.	1720.	0.1	4	20	47	1	2	60
2000.	1760.	0.1	3	65	91	4	8	112
2000.	1800.	0.1	2	45	97	4	8	125
2000.	1840.	0.1	2	30	81	3	10	130
2000.	1880.	0.1	1	30	92	4	8	106
2000.	1920.	0.1	2	60	62	4	6	91
2000.	1960.	0.1	1	25	88	2	8	76
2200.	1280.	0.1	4	25	57	1	2	98
2200.	1320.	0.1	8	10	123	1	8	104
2200.	1360.	0.1	1	2.5	70	1	4	81
2200.	1400.	0.1	4	5	137	1	1	92
2200.	1440.	0.1	1	15	83	17	4	100

2200.	1480.	0.2	2	5	147	3	2	83
2200.	1520.	0.2	1	2.5	660	3	4	83
2200.	1560.	0.2	1	2.5	72	4	18	600
2200.	1600.	0.2	1	15	60	0.5	6	61
2200.	1640.	0.3	3	20	100	5	8	55
2200.	1680.	0.2	2	10	102	3	6	93
2200.	1720.	0.2	5	10	144	4	8	175
2200.	1760.	0.1	6	30	118	4	12	92
2200.	1800.	0.2	13	90	156	13	4	46
2200.	1840.	0.1	3	10	165	5	2	267
2200.	1880.	0.1	1	45	110	2	12	183
2200.	1920.	0.1	8	30	65	4	6	90
2200.	1960.	0.1	2	70	58	0.5	6	60
2400.	1280.	0.3	2	2.5	80	4	4	96
2400.	1320.	0.2	4	15	87	1	2	73
2400.	1360.	0.2	2	2.5	68	4	2	86
2400.	1400.	0.1	1	5	43	2	2	65
2400.	1440.	0.1	6	10	56	4	1	65
2400.	1480.	0.1	1	10	80	4	2	62
2400.	1520.	0.1	3	2.5	46	4	1	71
2400.	1560.	0.1	2	10	53	4	2	73
2400.	1600.	0.1	6	10	90	3	1	71
2400.	1640.	0.1	6	15	75	3	4	68
2400.	1680.	0.4	5	2.5	82	4	8	84
2400.	1720.	0.1	2	40	256	2	6	56
2400.	1760.	0.1	6	20	125	4	4	60
2400.	1800.	0.3	14	100	88	4	8	60
2400.	1840.	0.2	1	40	64	3	6	47
2400.	1880.	0.2	3	40	90	4	6	57
2400.	1920.	0.1	6	110	56	5	6	62
2400.	1960.	0.1	2	40	60	5	4	60
2500.	1480.	0.1	1	10	55	2	3	70
2500.	1520.	0.1	1	15	60	2	6	67
2500.	1560.	0.1	2	20	91	2	2	64
2500.	1600.	0.1	1	20	40	0.5	4	65
2500.	1640.	0.1	5	25	49	0.5	3	70
2500.	1680.	0.1	4	15	78	0.5	7	64
2500.	1720.	0.1	4	65	160	6	3	83
2500.	1760.	0.1	2	60	70	1	3	69
2500.	1800.	0.1	10	35	80	4	5	70
2500.	1840.	0.1	1	65	77	4	5	56
2500.	1880.	0.2	1	35	83	2	5	58
2500.	1960.	0.1	1	45	66	1	6	62
2500.	2040.	0.1	1	30	70	1	7	80
2500.	2080.	0.1	1	35	79	0.5	6	73
2500.	2120.	0.1	3	20	88	1	7	88
2500.	2160.	0.1	1	15	98	0.5	7	80
2500.	2200.	0.1	1	20	90	0.5	7	92
2510.	1920.	0.1	1	45	75	2	6	70
2600.	1280.	0.1	3	35	98	1	4	60
2600.	1320.	0.2	4	35	62	2	5	53
2600.	1360.	0.2	1	2.5	64	2	4	91
2600.	1400.	0.1	6	10	58	4	6	60
2600.	1440.	0.1	3	2.5	57	4	4	64
2600.	1480.	0.1	1	10	76	4	3	78
2600.	1520.	0.1	1	2.5	43	2	3	64
2600.	1560.	0.1	1	20	48	2	3	70
2600.	1600.	0.1	1	130	68	2	3	80
2600.	1640.	0.2	1	35	69	1	2	62
2600.	1680.	0.2	7	245	57	1	5	50
2600.	1720.	0.1	1	25	58	0.5	3	65
2600.	1760.	0.1	16	340	75	2	4	70
2600.	1800.	0.1	5	20	81	2	4	47
2600.	1840.	0.1	1	30	110	2	4	53
2600.	1880.	0.1	3	25	96	2	4	60
2600.	1920.	0.1	1	25	170	2	5	68

2600.	1960.	0.3	6	25	56	2	68	63
2700.	1480.	0.4	1	15	102	0.5	6	78
2700.	1520.	0.2	1	15	83	0.5	5	82
2700.	1560.	0.1	2	20	93	0.5	6	89
2700.	1600.	0.1	1	35	80	0.5	6	79
2700.	1640.	0.1	1	20	106	0.5	5	74
2700.	1680.	0.1	1	15	85	0.5	6	76
2700.	1720.	0.2	7	25	86	0.5	6	72
2700.	1760.	0.3	1	50	123	0.5	6	70
2700.	1800.	0.3	8	80	166	0.5	7	73
2700.	1840.	0.1	4	40	175	2	8	67
2700.	1880.	0.2	1	15	148	0.5	13	96
2700.	1920.	0.3	1	25	153	0.5	16	85
2700.	1960.	0.1	1	20	85	0.5	8	64
2700.	2040.	0.2	2	20	120	0.5	10	76
2700.	2080.	0.2	1	20	84	0.5	8	74
2700.	2120.	0.3	1	20	92	0.5	9	94
2700.	2160.	0.3	1	20	114	0.5	9	90
2700.	2200.	0.3	6	55	138	0.5	6	83
2800.	1280.	0.2	4	20	76	0.5	7	70
2800.	1320.	0.2	1	2.5	35	0.5	5	67
2800.	1360.	0.3	1	2.5	45	0.5	5	68
2800.	1400.	0.2	1	30	73	0.5	7	79
2800.	1440.	0.2	1	2.5	85	0.5	6	86
2800.	1480.	0.3	1	2.5	48	0.5	3	60
2800.	1520.	0.2	1	10	79	0.5	5	74
2800.	1560.	0.3	1	20	102	0.5	4	76
2800.	1600.	0.2	3	2.5	117	0.5	4	73
2800.	1640.	0.2	2	20	58	0.5	5	63
2800.	1680.	0.2	1	15	32	0.5	6	50
2800.	1720.	0.2	1	10	61	0.5	6	65
2800.	1760.	0.2	1	110	70	0.5	5	68
2800.	1800.	0.2	2	10	100	0.5	4	64
2800.	1840.	0.4	2	10	70	0.5	4	68
2800.	1880.	0.3	2	2.5	51	2	5	58
2800.	1920.	0.6	1	85	166	0.5	7	75
2800.	1960.	0.4	1	40	75	0.5	5	67
2900.	1480.	0.1	3	15	60	0.5	6	70
2900.	1520.	0.1	2	2.5	70	0.5	6	72
2900.	1560.	0.1	1	10	52	0.5	5	58
2900.	1600.	0.1	2	15	94	0.5	6	66
2900.	1640.	0.1	6	10	112	0.5	5	65
2900.	1680.	0.1	8	15	180	0.5	5	68
2900.	1720.	0.1	4	35	100	0.5	4	60
2900.	1760.	0.3	8	105	258	0.5	3	57
2900.	1800.	0.7	18	200	1600	0.5	5	69
2900.	1840.	0.1	1	20	211	1	11	100
2900.	1880.	0.2	4	85	290	0.5	9	86
2900.	1920.	0.2	10	75	180	1	8	65
2900.	1960.	0.2	2	25	81	0.5	6	56
2900.	2040.	0.3	1	110	258	0.5	12	75
2900.	2080.	0.2	1	20	90	0.5	9	68
2900.	2120.	0.1	2	20	70	0.5	6	60
2900.	2160.	0.1	1	85	66	0.5	8	64
2900.	2200.	0.1	1	45	69	0.5	7	90
2900.	2240.	0.2	4	35	93	0.5	8	71
2900.	2280.	0.2	2	25	82	0.5	7	65
3000.	1280.	0.1	1	30	62	0.5	6	66
3000.	1320.	0.2	1	5	37	0.5	5	61
3000.	1360.	0.6	60	2.5	235	0.5	6	100
3000.	1400.	0.2	3	10	77	0.5	5	68
3000.	1440.	0.1	2	5	64	0.5	5	97
3000.	1480.	0.2	4	20	80	0.5	6	65
3000.	1520.	0.1	5	25	130	0.5	5	62
3000.	1560.	0.2	1	20	66	0.5	5	66
3000.	1600.	0.2	8	2.5	77	0.5	6	75

3000.	1640.	0.2	6	25	150	0.5	6	68
3000.	1680.	0.2	3	40	143	0.5	6	70
3000.	1720.	0.2	1	15	82	0.5	7	68
3000.	1760.	0.2	5	50	130	0.5	6	67
3000.	1800.	0.4	6	85	240	0.5	7	54
3000.	1840.	0.7	13	580	1140	0.5	8	87
3000.	1880.	0.4	8	100	910	0.5	7	78
3000.	1920.	0.4	1	45	71	0.5	5	67
3000.	1960.	0.2	1	85	146	0.5	7	68
3100.	1480.	0.1	4	45	76	0.5	6	72
3100.	1520.	0.1	6	15	127	0.5	3	81
3100.	1580.	0.2	1	15	125	0.5	2	88
3100.	1600.	0.3	15	10	114	0.5	3	80
3100.	1640.	0.2	10	15	207	0.5	4	90
3100.	1680.	0.1	5	30	190	0.5	5	75
3100.	1720.	0.2	4	40	228	0.5	4	98
3100.	1760.	0.1	4	55	295	0.5	6	88
3100.	1800.	0.3	6	40	140	0.5	6	74
3100.	1840.	0.2	1	65	212	0.5	5	66
3100.	1880.	0.2	1	50	187	0.5	4	66
3100.	1920.	0.3	1	90	540	0.5	6	56
3100.	1960.	0.3	1	65	150	0.5	8	75
3100.	2040.	0.4	1	50	131	0.5	33	84
3100.	2080.	0.5	1	950	174	0.5	19	79
3100.	2120.	0.7	1	60	105	0.5	29	85
3100.	2160.	0.3	8	45	95	0.5	8	77
3100.	2200.	0.3	11	45	106	0.5	8	83
3200.	1280.	0.3	1	20	55	1	5	56
3200.	1320.	0.1	2	2.5	50	0.5	5	70
3200.	1360.	0.1	7	30	74	0.5	5	71
3200.	1400.	0.1	1	2.5	81	1	6	66
3200.	1440.	0.2	4	25	83	0.5	6	67
3200.	1480.	0.2	11	15	132	1	6	100
3200.	1520.	0.1	13	10	114	1	5	90
3200.	1560.	0.1	7	2.5	94	0.5	8	84
3200.	1600.	0.1	8	2.5	103	0.5	6	81
3200.	1640.	0.2	3	2.5	89	0.5	4	80
3200.	1680.	0.1	4	45	115	1	6	87
3200.	1720.	0.1	1	40	118	1	6	67
3200.	1760.	0.1	4	60	158	0.5	5	82
3200.	1800.	0.2	1	2.5	78	1	5	65
3200.	1840.	0.1	1	15	153	1	6	60
3200.	1880.	0.1	1	20	154	2	5	63
3200.	1920.	0.4	4	25	128	0.5	6	65
3200.	1960.	0.4	6	45	234	0.5	4	61
3400.	1280.	0.2	4	2.5	102	1	4	80
3400.	1320.	0.2	2	5	91	1	5	81
3400.	1360.	0.2	7	2.5	82	0.5	2	78
3400.	1400.	0.2	9	2.5	113	0.5	5	78
3400.	1440.	0.1	2	25	57	0.5	6	71
3400.	1480.	0.2	15	35	143	0.5	4	81
3400.	1520.	0.4	18	45	146	0.5	6	102
3400.	1560.	0.3	12	65	240	4	6	87
3400.	1600.	0.4	7	140	259	4	29	94
3400.	1640.	0.3	5	50	73	4	7	62
3400.	1680.	0.2	3	50	104	0.5	6	61
3400.	1720.	0.3	6	55	237	1	6	83
3400.	1760.	0.1	7	160	133	2	6	84
3400.	1800.	0.2	4	50	140	0.5	3	70
3400.	1840.	0.1	1	80	180	0.5	7	54
3400.	1880.	0.3	7	90	360	1	4	60
3400.	1920.	0.5	7	150	86	4	8	50
3400.	1960.	0.4	2	125	47	12	9	42
3600.	1240.	0.2	3	30	96	2	6	74
3600.	1280.	0.2	6	2.5	67	1	5	72
3600.	1320.	0.2	11	2.5	126	2	7	101

3600.	1360.	0.2	7	2.5	155	4	7	92
3600.	1400.	0.4	15	20	150	1	7	104
3600.	1440.	0.4	14	50	177	4	9	100
3600.	1480.	0.3	12	30	146	4	6	89
3600.	1520.	0.3	9	80	208	2	9	90
3600.	1560.	0.2	2	40	128	1	6	87
3600.	1600.	0.2	5	2.5	55	2	5	86
3600.	1640.	0.3	5	10	102	2	5	76
3600.	1680.	0.3	4	65	173	30	12	87
3600.	1720.	0.2	7	20	251	4	6	76
3600.	1760.	0.1	4	30	330	4	8	86
3600.	1800.	0.2	7	200	264	2	6	63
3600.	1840.	0.4	5	25	137	1	7	64
3600.	1880.	0.8	7	120	180	1	30	37
3600.	1920.	0.5	8	55	160	1	8	47
3600.	1960.	0.3	3	100	155	4	8	40
3790.	1400.	0.2	10	50	610	2	9	85
3800.	1370.	0.2	13	30	206	0.5	11	80
3800.	1440.	0.2	4	40	273	1	9	73
3800.	1480.	0.5	4	40	318	12	8	73
3800.	1520.	0.5	14	30	164	6	9	96
3800.	1560.	0.3	2	35	182	2	10	80
3800.	1600.	0.2	5	2.5	80	4	7	65
3800.	1640.	0.5	2	35	110	2	5	67
3800.	1680.	0.4	5	2.5	91	4	7	67
3800.	1720.	1.0	4	150	203	4	7	44
3800.	1760.	0.6	1	2.5	570	2	4	26
3800.	1800.	0.5	1	35	210	1	7	75
3800.	1840.	0.1	4	35	240	1	8	70
3800.	1880.	0.1	1	20	87	1	11	54
3800.	1920.	0.3	8	110	213	1	23	90
3800.	1960.	0.2	3	35	97	1	9	94
4000.	1280.	0.4	3	35	173	4	9	80
4000.	1320.	0.2	1	15	76	8	5	245
4000.	1360.	0.6	2	60	150	16	10	78
4000.	1400.	0.6	9	25	90	4	12	77
4000.	1440.	0.3	5	45	158	4	10	60
4000.	1480.	0.6	4	35	160	4	11	83
4000.	1520.	0.4	1	85	158	4	11	54
4000.	1560.	0.6	6	105	124	10	19	126
4000.	1600.	0.2	4	10	122	36	6	870
4000.	1640.	0.4	9	55	132	4	15	80
4000.	1680.	0.5	6	85	137	4	14	83
4000.	1720.	0.5	9	100	120	4	21	90
4000.	1760.	0.6	6	20	82	2	10	92
4000.	1800.	0.4	39	50	117	6	56	176
4000.	1840.	0.3	3	100	140	1	16	150
4000.	1880.	1.4	1	140	117	1	29	140
4000.	1920.	0.3	1	45	135	0.5	14	92
4000.	1960.	0.2	4	60	70	4	9	67
4000.	2000.	0.3	2	75	71	20	13	89
4000.	2040.	0.2	4	55	102	2	12	90
4000.	2080.	0.3	1	70	124	6	19	90
4000.	2120.	0.3	2	75	125	6	30	114
4000.	2160.	0.8	7	120	88	8	19	84
4000.	2200.	0.2	6	50	136	6	15	102
4000.	2240.	0.3	6	75	120	2	23	110
4000.	2280.	0.2	10	110	194	4	26	154
4000.	2320.	0.2	19	435	120	2	38	180
4000.	2360.	0.2	8	70	93	2	38	112
4000.	2400.	0.2	5	20	113	4	9	82
4000.	2440.	0.2	1	55	52	2	11	73
4000.	2480.	0.5	2	20	35	0.5	8	44
4000.	2520.	0.3	4	15	87	2	8	71
4000.	2560.	0.2	4	25	76	2	8	61
4000.	2600.	0.4	8	405	152	2	9	90

4000.	2640.	0.4	3	250	132	0.5	23	97
4000.	2680.	0.4	2	450	147	4	8	90
4000.	2720.	0.1	38	40	80	2	9	74
4200.	1280.	1.8	11	275	255	6	20	394
4200.	1320.	0.8	14	135	220	8	20	253
4200.	1360.	0.8	21	260	207	4	25	371
4200.	1400.	1.0	10	235	200	6	25	300
4200.	1440.	0.9	8	155	204	6	24	270
4200.	1480.	1.8	10	185	152	2	18	330
4200.	1520.	0.8	10	140	178	2	21	184
4200.	1560.	0.5	26	90	91	4	17	133
4200.	1600.	1.3	10	160	61	10	15	123
4200.	1640.	1.2	25	200	134	2	190	340
4200.	1680.	1.7	30	180	53	4	332	241
4200.	1720.	0.8	15	190	51	0.5	213	203
4200.	1760.	0.8	11	100	114	4	89	365
4200.	1800.	0.6	10	80	97	1	61	240
4200.	1840.	0.7	13	130	120	1	66	280
4200.	1880.	0.5	14	100	130	4	60	284
4200.	1920.	0.5	8	60	100	2	58	340
4200.	1960.	0.6	9	75	121	0.5	54	265
4200.	2000.	0.6	8	75	115	4	67	320
4200.	2040.	0.7	7	180	140	4	94	310
4200.	2080.	0.6	14	80	125	0.5	86	300
4200.	2120.	0.3	1	60	52	2	16	100
4200.	2160.	0.2	3	20	30	0.5	17	61
4200.	2200.	0.4	2	5	95	2	280	122
4200.	2240.	0.5	4	60	108	1	23	97
4200.	2280.	0.5	5	60	81	0.5	14	82
4200.	2320.	0.3	2	90	132	2	13	100
4200.	2360.	0.3	1	440	109	0.5	18	128
4200.	2400.	0.3	1	120	44	0.5	13	71
4200.	2440.	0.2	1	30	25	0.5	10	63
4200.	2480.	0.3	5	100	89	0.5	11	81
4200.	2520.	0.3	11	135	130	0.5	10	78
4200.	2560.	0.2	8	90	77	0.5	13	72
4200.	2600.	0.3	8	125	136	0.5	11	70
4200.	2640.	0.2	2	40	75	0.5	10	70
4200.	2680.	0.1	11	45	54	0.5	11	66
4200.	2720.	0.3	1	135	63	0.5	6	72

HISTO: V271 KLI SOIL SAMPLE GEOCHEMISTRY RUN ON 90:10:11 AT 11:01:30

File: kli.soil Field name: AU1 LOG = 1 REPVAL = 0.00100

744 SAMPLES WITH AU1 MINIMUM: 2.50000 MAXIMUM: 1365.00

740 VALUES PLOTTED: 4 NOT IN RANGE 2.50000 to 600.000

GEOMETRIC MEAN: 32.3391 DISPERSION: 10.6368 98.3205

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

W	MIDPOINT	PERCENT	0 10 20 30 40 50 60 70 80 90 100
			I---------I---------I---------I---------I---------I---------I---------I---------I---------I---------I
62	2.5000	# 8.38	I** I
0	2.8671	0.00	I I
0	3.2881	0.00	I I
0	3.7710	0.00	I I
0	4.3248	0.00	I I
12	4.9598	1.62	I************ I
0	5.6882	0.00	I I
0	6.5234	0.00	I I
0	7.4814	0.00	I I
0	8.5800	0.00	I I
44	9.8399	5.95	I** I
0	11.285	0.00	I I
0	12.942	0.00	I I
45	14.843	6.08	I*** I
0	17.022	0.00	I I
53	19.522	7.16	I*** I
0	22.388	0.00	I I
53	25.676	7.16	I*** I
59	29.447	7.97	I** I
38	33.771	5.14	I************************************** I
52	38.730	# 7.03	I*** I
40	44.417	5.41	I** I
39	50.940	5.27	I** I ——— 50
34	58.420	4.59	I********************************** I
42	66.999	5.68	I** I
36	76.837	4.86	I************************************ I
25	88.121	3.38	I************************* I
31	101.06	4.19	I******************************** I
20	115.90	2.70	I********************** I ——————— 125
13	132.92	1.76	I********** I
12	152.44	# 1.62	I************ I
5	174.83	0.68	I***** I
6	200.50	0.81	I****** I
4	229.94	0.54	I**** I
4	263.71	0.54	I**** I
2	302.43	0.27	I** I ——— 300
3	346.84	0.41	I*** I
2	397.77	0.27	I** I
3	456.18	0.41	I*** I
0	523.17	0.00	I I
1	600.00	0.14	I* I
-----			I---------I---------I---------I---------I---------I---------I---------I---------I---------I---------I
740			0 10 20 30 40 50 60 70 80 90 100

```
HISTO:            V271 KLI SOIL SAMPLE GEOCHEMISTRY                    RUN ON 90:10:18  AT  14:21:40

File: kli.soil                Field name: AG      LOG = 1  REPVAL =   0.00100

 748 SAMPLES WITH AG     MINIMUM:  0.100000          MAXIMUM:  3.20000

 746 VALUES PLOTTED:     2 NOT IN RANGE  0.100000     to  2.50000

    GEOMETRIC MEAN:        0.250336         DISPERSION: 0.124209    0.504537

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

  N   MIDPOINT  PERCENT  0        20        40        60        80        100       120       140       160       180       200
                         I---------I---------I---------I---------I---------I---------I---------I---------I---------I---------I
187  0.10000E+00# 25.07  I**************************************************************************************************I
  0  0.10838       0.00  I                                                                                                  I
  0  0.11746       0.00  I                                                                                                  I
  0  0.12731       0.00  I                                                                                                  I
  0  0.13797       0.00  I                                                                                                  I
  0  0.14953       0.00  I                                                                                                  I
  0  0.16207       0.00  I                                                                                                  I
  0  0.17565       0.00  I                                                                                                  I
  0  0.19037       0.00  I                                                                                                  I
196  0.20632    # 26.27  I**************************************************************************************************I
  0  0.22361       0.00  I                                                                                                  I
  0  0.24234       0.00  I                                                                                                  I
  0  0.26265       0.00  I                                                                                                  I
  0  0.28466       0.00  I                                                                                                  I
130  0.30852      17.43  I*****************************************************************                                 I
  0  0.33437       0.00  I                                                                                                  I
  0  0.36239       0.00  I                                                                                                  I
 85  0.39276      11.39  I*******************************************  ———————— 0.4                                        I
  0  0.42567       0.00  I                                                                                                  I
  0  0.46134       0.00  I                                                                                                  I
 47  0.50000       6.30  I************************                                                                          I
  0  0.54190       0.00  I                                                                                                  I
 31  0.58731       4.16  I****************                                                                                  I
  0  0.63653       0.00  I                                                                                                  I
 22  0.68986       2.95  I***********                                                                                       I
  0  0.74767       0.00  I                                                                                                  I
 13  0.81033    #  1.74  I*******  ———————— 0.8                                                                           I
 10  0.87823       1.34  I******                                                                                            I
  0  0.95183       0.00  I                                                                                                  I
  5   1.0316       0.67  I***                                                                                              I
  3   1.1180       0.40  I**                                                                                               I
  2   1.2117       0.27  I*                                                                                                I
  3   1.3133       0.40  I**  ———————— 1.3                                                                                 I
  4   1.4233       0.54  I**                                                                                               I
  2   1.5426       0.27  I*                                                                                                I
  1   1.6719       0.13  I*                                                                                                I
  3   1.8119       0.40  I**                                                                                               I
  1   1.9638       0.13  I*                                                                                                I
  0   2.1283       0.00  I                                                                                                  I
  1   2.3067       0.13  I*                                                                                                I
  0   2.5000       0.00  I                                                                                                  I
-----                    I---------I---------I---------I---------I---------I---------I---------I---------I---------I---------I
746                      0        20        40        60        80        100       120       140       160       180       200
```

HISTO: V271 KLI SOIL SAMPLE GEOCHEMISTRY RUN ON 90:10:18 AT 14:04:48

File: kli.soil Field name: AS LOG = 1 REPVAL = 0.00100

748 SAMPLES WITH AS MINIMUM: 1.00000 MAXIMUM: 114.000

748 VALUES PLOTTED: 0 NOT IN RANGE 1.00000 to 115.000

GEOMETRIC MEAN: 2.16663 DISPERSION: 0.792972 5.91987

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

N	MIDPOINT	PERCENT	0 10 20 30 40 50 60 70 80 90 100
			I---------I---------I---------I---------I---------I---------I---------I---------I---------I---------I
406	1.0000	# 54.28	I**********...**********I
0	1.1259	0.00	I I
0	1.2678	0.00	I I
0	1.4274	0.00	I I
0	1.6072	0.00	I I
0	1.8096	0.00	I I
71	2.0375	9.49	I********** I
0	2.2942	0.00	I I
0	2.5831	0.00	I I
36	2.9084	4.81	I********** I
0	3.2747	0.00	I I
0	3.6872	0.00	I I
54	4.1515	7.22	I********** I
0	4.6744	0.00	I I
19	5.2631	2.54	I********** I
31	5.9260	4.14	I********** I
17	6.6724	2.27	I********** I
0	7.5127	0.00	I I
29	8.4589	3.88	I********** I
26	9.5243	3.48	I********** I
			10
7	10.724	0.94	I******* I
4	12.074	0.53	I**** I
15	13.595	# 2.01	I********** I
6	15.307	0.80	I****** I
4	17.235	0.53	I**** I
6	19.406	0.80	I****** I
2	21.850	0.27	I** I
3	24.602	0.40	I*** I
			25
0	27.701	0.00	I I
2	31.189	0.27	I** I
0	35.117	0.00	I I
2	39.540	0.27	I** I
1	44.520	0.13	I* I
			50
0	50.127	0.00	I I
1	56.441	0.13	I* I
1	63.549	0.13	I* I
0	71.553	0.00	I I
3	80.565	0.40	I*** I
0	90.712	0.00	I I
1	102.14	0.13	I* I
1	115.00	0.13	I* I
-----			I---------I---------I---------I---------I---------I---------I---------I---------I---------I---------I
748			0 10 20 30 40 50 60 70 80 90 100

```
HISTO:            V271 KLI SOIL SAMPLE GEOCHEMISTRY                    RUN ON 90:10:18  AT  14:20:37

File: kli.soil                 Field name: CU       LOG = 1  REPVAL =   0.00100
                                           ----
 748 SAMPLES WITH CU     MINIMUM:   11.0000          MAXIMUM:  1600.00

 747 VALUES PLOTTED:     1 NOT IN RANGE   11.0000     to  1500.00

   GEOMETRIC MEAN:          109.751         DISPERSION:  62.2599     193.467

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

  N  MIDPOINT  PERCENT  0         10        20        30        40        50        60        70        80        90        100
                        I---------I---------I---------I---------I---------I---------I---------I---------I---------I---------I
  2   11.000      0.27  I**
  0   12.438      0.00  I
  0   14.065      0.00  I
  0   15.904      0.00  I
  0   17.983      0.00  I
  1   20.334      0.13  I*
  1   22.993      0.13  I*
  1   25.999      0.13  I*
  2   29.399      0.27  I**
  8   33.243      1.07  I********
  2   37.590      0.27  I**
  8   42.504      1.07  I********
 20   48.062    # 2.68  I********************
 29   54.346      3.88  I*****************************
 37   61.452      4.95  I*************************************
 43   69.487      5.76  I*******************************************
 77   78.573     10.31  I*****************************************************************************
 76   88.846     10.17  I****************************************************************************
 65   100.46      8.70  I*****************************************************************
 83   113.60   # 11.11  I***********************************************************************************
 77   128.45     10.31  I*****************************************************************************
 55   145.25      7.36  I*******************************************************  ———————— 160
 38   164.24      5.09  I**************************************
 30   185.71      4.02  I******************************
 27   210.00      3.61  I***************************
 15   237.45      2.01  I***************  ———————— 250
 16   268.50    # 2.14  I****************
  7   303.61      0.94  I*******
  9   343.31      1.20  I*********
  1   388.19      0.13  I*
  1   438.95      0.13  I*
  1   496.35      0.13  I*     ———————— 500
  4   561.24      0.54  I****
  4   634.63      0.54  I****
  1   717.61      0.13  I*
  1   811.44      0.13  I*
  1   917.53      0.13  I*
  0   1037.5      0.00  I
  3   1173.2      0.40  I***
  1   1326.5      0.13  I*
  0   1500.0      0.00  I
-----                   I---------I---------I---------I---------I---------I---------I---------I---------I---------I---------I
 747                    0         10        20        30        40        50        60        70        80        90        100
```

HISTO: V271 KLI SOIL SAMPLE GEOCHEMISTRY RUN ON 90:10:18 AT 14:11:33

File: kli.soil Field name: MO LOG = 1 REPVAL = 0.00100

748 SAMPLES WITH MO MINIMUM: 0.500000 MAXIMUM: 36.0000

747 VALUES PLOTTED: 1 NOT IN RANGE 0.500000 to 33.0000

GEOMETRIC MEAN: 1.87959 DISPERSION: 0.668035 5.28844

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

N	MIDPOINT	PERCENT	0 20 40 60 80 100 120 140 160 180 200
192	0.50000	# 25.70	I********** I
0	0.55521	0.00	I I
0	0.61652	0.00	I I
0	0.68460	0.00	I I
0	0.76019	0.00	I I
0	0.84414	0.00	I I
0	0.93735	0.00	I I
115	1.0409	15.39	I********** I
0	1.1558	0.00	I I
0	1.2834	0.00	I I
0	1.4251	0.00	I I
0	1.5825	0.00	I I
0	1.7572	0.00	I I
125	1.9513	# 16.73	I********** I
0	2.1668	0.00	I I
0	2.4060	0.00	I I
0	2.6717	0.00	I I
80	2.9667	10.71	I******** I
0	3.2943	0.00	I I
0	3.6581	0.00	I I
91	4.0620	12.18	I********** I
0	4.5106	0.00	I I
25	5.0086	3.35	I********** I
0	5.5617	0.00	I I
35	6.1758	4.69	I********** I
20	6.8578	2.68	I********** I
10	7.6151	1.34	I***** I
0	8.4559	0.00	I I
5	9.3897	0.67	I*** I
13	10.427	# 1.74	I******* I
8	11.578	1.07	I**** I
7	12.856	0.94	I**** I
7	14.276	0.94	I**** I
1	15.852	0.13	I* I
2	17.603	0.27	I* I
3	19.547	0.40	I** I
1	21.705	0.13	I* I
2	24.102	0.27	I* I
1	26.763	0.13	I* I
1	29.718	0.13	I* I
3	33.000	0.40	I** I
747			I 0 20 40 60 80 100 120 140 160 180 200

10

15

20

HISTO: V271 KLI SOIL SAMPLE GEOCHEMISTRY RUN ON 90:10:18 AT 13:58:39

File: kli.soil Field name: PB LOG = 1 REPVAL = 0.00100

748 SAMPLES WITH PB MINIMUM: 1.00000 MAXIMUM: 332.000

744 VALUES PLOTTED: 4 NOT IN RANGE 1.00000 to 100.000

GEOMETRIC MEAN: 7.08722 DISPERSION: 3.41687 14.7002

SCALE OF HISTOGRAM IS 1.60 COUNTS /PRINT POSITION # = 5,50,95%

N	MIDPOINT	PERCENT	0 16 32 48 64 80 96 112 128 144 160
			I---------I---------I---------I---------I---------I---------I---------I---------I---------I---------I
12	1.0000	1.61	I******* I
0	1.1220	0.00	I I
0	1.2589	0.00	I I
0	1.4125	0.00	I I
0	1.5849	0.00	I I
0	1.7783	0.00	I I
35	1.9953	# 4.70	I********************** I
0	2.2387	0.00	I I
0	2.5119	0.00	I I
0	2.8184	0.00	I I
29	3.1623	3.90	I****************** I
0	3.5481	0.00	I I
86	3.9811	11.56	I** I
0	4.4668	0.00	I I
78	5.0119	10.48	I*** I
0	5.6234	0.00	I I
133	6.3096	# 17.88	I** I
59	7.0795	7.93	I************************************* I
79	7.9433	10.62	I*** I
42	8.9125	5.65	I*************************** I
46	10.000	6.18	I******************************** I
23	11.220	3.09	I*************** I
20	12.589	2.69	I************* I
11	14.125	1.48	I******* I
10	15.849	1.34	I****** I
10	17.783	1.34	I****** I
14	19.953	1.88	I********* I
13	22.387	1.75	I******** I
8	25.119	# 1.08	I***** I
5	28.184	0.67	I*** ——————— 30 I
5	31.623	0.67	I*** I
0	35.481	0.00	I I
2	39.811	0.27	I* I
2	44.668	0.27	I* I
3	50.119	0.40	I** I
4	56.234	0.54	I** I
4	63.096	0.54	I** I
3	70.795	0.40	I** I
3	79.433	0.40	I** I
5	89.125	0.67	I*** I
0	100.00	0.00	I I
			I---------I---------I---------I---------I---------I---------I---------I---------I---------I---------I
744			0 16 32 48 64 80 96 112 128 144 160

HISTO: V271 KLI SOIL SAMPLE GEOCHEMISTRY RUN ON 90:10:18 AT 14:03:34

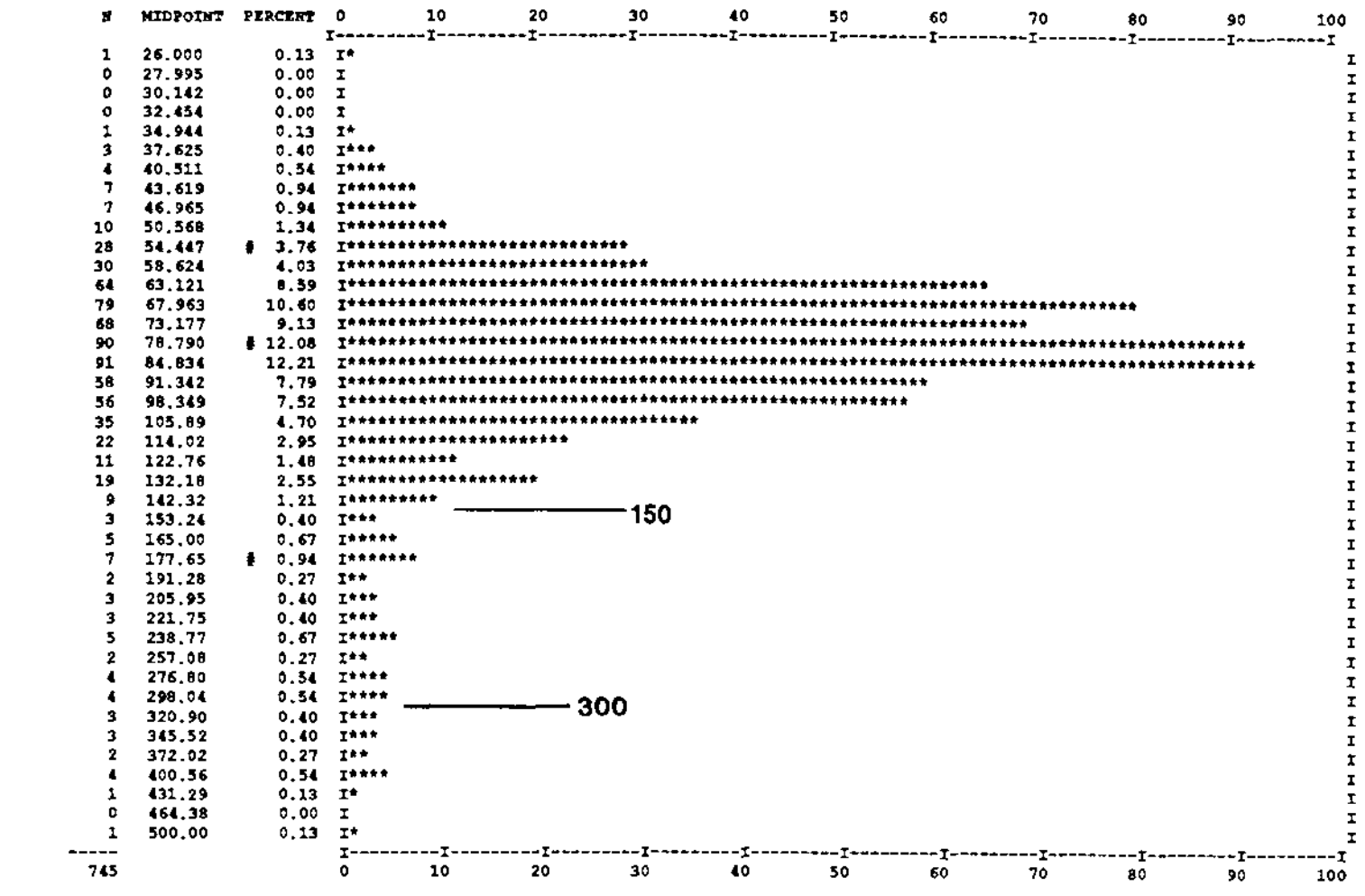
File: kli.soil Field name: ZN LOG = 1 REPVAL = 0.00100

748 SAMPLES WITH ZN MINIMUM: 26.0000 MAXIMUM: 1750.00

745 VALUES PLOTTED: 3 NOT IN RANGE 26.0000 to 500.000

GEOMETRIC MEAN: 84.9925 DISPERSION: 57.6193 125.370

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



APPENDIX III

Rock Sample Results and Descriptions

PDI GEOCHEM SYSTEM: Data From: Kli claims - Rock Sample Analyses

SAMPLE	PROJECT	Ag PPM	As PPM	Au1 PPB	Cu PPM	Hg PPB	Mo PPM	Pb PPM	Sb PPM	Zn PPM
A4597	0516	0.2	<2	<5	5	16	6	16	2	2
A4598	0516	<0.2	4	<5	8	12	8	7	<2	13
A4599	0516	<0.2	7	<5	24	20	4	11	<2	160
A4600	0516	0.3	6	<5	44	24	4	7	<2	45
A4601	0516	0.2	2	<5	38	48	2	7	<2	3
A4602	0516	0.4	<2	15	43	12	2	9	<2	11
A4603	0516	0.7	<2	560	100	20	<1	5	<2	23
A4604	0516	0.2	2	<5	30	20	8	10	<2	30
A4605	0516	1.8	3	690	8	24	540	5	<2	4
A4605*	0516	2.1	4	700	8	36	540	6	<2	4
A4606	0516	0.2	2	<5	37	28	6	6	<2	53
A4607	0516	0.2	<2	<5	41	20	4	9	<2	230
A4608	0516	0.2	6	<5	10	24	2	7	<2	56
A4609	0516	0.2	6	<5	53	20	2	5	<2	66
A4610	0516	0.2	<2	<5	32	16	2	6	<2	62
A4842	0516	0.2	15	<5	28	28	2	9	<2	92
A4843	0516	0.4	25	<5	47	32	2	41	<2	223
A4844	0516	0.5	17	<5	32	740	2	31	<2	283
A4845	0516	0.3	5	<5	29	36	2	8	<2	75
A4846	0516	0.2	<2	5	35	20	10	9	<2	3
A4847	0516	2.4	4	705	10	16	16	3	<2	3
A4848	0516	2.5	2	605	17	24	120	15	<2	2
A4849	0516	0.3	9	15	45	20	4	6	<2	91
A4850	0516	0.2	5	5	28	20	2	6	<2	60
A4850*	0516	0.2	4	5	28	16	2	7	<2	56
A7735	0605	2.1	<2	50	175			12		55
A7736	0605	0.2	<2	<5	45			9		128
A7737	0605	0.6	<2	160	263			9		275
A7738	0605	1.8	<2	1380	1630			10		206
A7739	0605	<0.2	<2	40	118			10		60
A7740	0605	1.1	<2	570	247			28		8
A7741	0605	>0.2	<2	15	56			3		35

END OF LISTING - 28 RECORDS PRINTED • -indicates repeat analysis

ROCK SAMPLE DESCRIPTIONS

Sample	Type	Description
A4597	outcrop grab	milky white barren quartz vein, 1 m wide, in andesite tuff.
A4598	outcrop grab	milky white barren quatrz vein, sample taken 5 m from A4597.
A4599	outcrop grab	black tuffaceous ash with bands of quartz-carbonate alteration.
A4600	outcrop grab	aphanitic dacite with trace pyrite as blebs, limonite staining on weathered surfaces.
A4601	outcrop grab	felsic aphanitic tuff, 0.5% fine-grained disseminated pyrite.
A4602	outcrop grab	shear zone in felsic tuff with minor quartz microveins and lenses.
A4603	float	quartz vein stringers with 1% pyrite as blebs, 2-4 mm; in fine-grained andesite tuff.
A4604	outcrop grab	deformed vuggy quartz vein, 3-4 cm wide, with 1% 1 cm limonite altered pyrite blebs in tuff xenolith within diorite.
A4605	0.5 m chip	milky white quartz vein, 50 cm wide, strong limonite staining on weathered surfaces, wallrock clasts contain 1% fine-grained disseminated pyrite.
A4606	outcrop grab	felsic sericitized dacite with fine-grained disseminated pyrite up to 5% locally.
A4607	outcrop grab	strongly clay altered and fractured tuff with limonite staining on weathered and fractured surfaces.
A4608	outcrop grab	strongly jarosite stained, clay altered tuff, 2% pyrite as fine-grained disseminations.
A4609	outcrop grab	strongly jarosite stained, clay altered tuff 50 m downslope from A4608
A4610	outcrop grab	feldspar porphyry with quartz-carbonate extension gash fillings.
A4842	outcrop grab	fine-grained andesite tuff, weakly clay altered, 2-4% disseminated pyrite.

A4843	outcrop grab	andesite tuff with fine-grained pyrite on fracture surfaces with minor epidote, limonite staining on weathered and fracture surfaces.
A4844	outcrop grab	similar to A4843 except strongly clay altered.
A4845	outcrop grab	quartz veinlet along fracture with epidote and fine-grained disseminated pyrite 1% in andesite tuff.
A4846	1.0 m chip	white coarse grained quartz vein, 1.0 m wide, with limonite staining. No visible sulphides.
A4847	0.5 m chip	0.5 m wide vein, parallel to A4846 vein, sample taken 3m east of A4846.
A4848	1.2 m chip	white quartz vein, 1.0-1.5 m wide, with clay alteration and 1-2% fine-grained disseminated pyrite.
A4849	outcrop grab	clay altered fine-grained andesite tuff fine-grained disseminated pyrite 2-3%, strong limonite staining.
A4850	outcrop grab	similar to A4849 but more intensely clay altered, 1% pyrite.
A7735	oucrop grab	tan limestone with <3% disseminated pyrite cubes
A7736	outcrop grab	hornblende porphyry intrusive, weakly magnetic
A7737	outcrop grab	dark green pyritic tuff
A7738	outcrop grab	quartz-pyrite zone 2 cm wide with malachite staining in pyritic tuff
A7739	outcrop grab	ferricrete
A7740	float	quartz vein
A7741	float	pyritic hornfelsed tuff

APPENDIX IV

Drill Core Sample Results

PDI GEOCHEM SYSTEM: V271- Kli claims: Drill Core Sample Analyses

SAMP	HOLE	TO	FROM	AG	AS	AU1	CU	PB	ZN
		metres							
A7729	DDH-11	15.4	29.4	0.1	1	30	121	6	56
A7730	DDH-11	29.3	43.8	0.1	1	20	210	3	63
A7731	DDH-11	42.8	56.6	0.1	1	40	116	2	53
A7732	DDH-15	22.5	36.6	0.5	2	25	182	4	34
A7733	DDH-15	36.6	47.2	0.2	1	30	256	3	22
A7734	DDH-15	47.2	60.0	0.2	1	40	297	3	30

END OF LISTING

APPENDIX V

Magnetometer Data

$$LINE$$MAG
'' mag data Julian:211,212,213,214,215,219
145 4200 1280 4200 2720* L4200E
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APPENDIX VI

VLF-EM Data

```
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kli VLF-IP data  Julian:211,212,213,214,215,219
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   3  12  5 -22 -23 -26 -35 -34 -35 -33 -33 -32 -35 -37 -42
 -43 -42 -40 -35 -34 -34 -33 -32 -28 -22 -20 -20 -14 -12 -10
  -9  -4  -5  -4  -4  -4  -4  -3  -4  -3  -4  -4  -4  0  0
   4  8  13  17  20  22  27  30  32  31  33  32  37
  73  4000  1280  4000  2720* L4000E
  22  23  22  20  14  -8  -1  -5  -1  2  3  7  5  10  2
  -1  -3 -23 -25 -23 -20 -19 -17 -18 -16 -17 -20 -24 -26 -27
 -27 -28 -28 -26 -23 -22 -18 -15 -13 -10  -3  -3  -2  -1  3
   3  7  0  -3  -3  -3  3  4  2  2  6  8  8  16  16
  16  17  22  28  30  32  30  30  27  27  27  33  35
  73  3800  1280  3800  2720* L3800E
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  -3  -7 -11 -21 -27 -25 -23 -16 -15 -16 -19 -18 -20 -24 -25
 -23 -22 -22 -22 -18 -18 -12 -13 -13  -9  -6  -5  -8 -11  -8
  -8  -4  7  3  -2  0  6  13  18  22  22  24  25  25  27
  22  38  38  33  24  22  18  22  27  27  32  32  37
  75  3600  1240  3600  2720* L3600E
  16  14  10  10  10  9  11  10  12  12  10  -3  -7 -15 -24
 -27 -26 -24 -21 -18 -10  -9 -10 -17 -23 -25 -23 -22 -18 -13
 -10  -7  -5 -10 -20 -20 -15 -10  -4  2  2  0  -3 -13 -17
  -8  -1  -1  0  3  3  7  15  20  16  18  28  39  38  32
  32  32  24  22  21  20  23  27  28  34  34  37  42  38  43
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  11  10  15  10  10  9  13  12  11  22  12  18  18  12  0
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  38  36  28  21  22  22  23  27  28  28  30  28  30
  73  3000  1280  3000  2720* L3000E
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  20  30  30  3  -7 -19 -18  -8  -5 -11 -10  -5  -3  4  6
   7  3  0  1  3  6  -1  -2  -1  2  2  4  5  8  13
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  34  8  10  18  4  12 -16 -16 -13  -5  2  7  16  20  22
```

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27 33 33 32 35 35 37 38 42 45 43 38 33 28 25
22 17 17 17 12 11 12 13 15 22 24 28 28
73 2200 1280 2200 2720* L2200E
15 12 5 4 -1 -2 -1 4 5 8 15 22 25 18 5
7 7 5 5 1 5 10 10 10 15 15 15 21 20 27
30 21 22 11 15 10 3 8 17 18 20 20 24 28 32
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19 24 26 32 37 37 41 43 40 43 38 28 29
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5 0 -9 -4 -2 2 4 7 10 12 12 11 10 8 8
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19 20 16 17 18 18 18 17 16 20 18 20 20
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32 31 27 22 20 20 20 14 10 8 3 0 3 5 7
10 12 14 14 15 14 16 18 18 23 23 18 21
73 1600 1280 1600 2720* L1600E
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7 4 3 10 22 53 18 20 20 16 7 0 -4 -2 3
7 11 15 16 19 12 20 22 25 25 28 31 32 30 25
20 17 12 12 12 12 12 12 10 10 9 9 12 13 15
16 17 17 18 18 18 18 17 17 20 22 21 22
73 1400 1280 1400 2720* L1400E
8 8 10 12 16 17 20 21 22 24 32 38 43 45 45
45 47 45 43 34 26 25 23 23 27 27 28 27 28 24
23 20 17 5 3 6 5 6 9 13 16 19 20 22 18
15 14 17 17 16 17 17 20 22 25 26 27 30 30 33
33 33 33 37 35 34 34 30 23 22 20 23 28

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 12   7   5   7   5   7   7  19  19  22  22  20  18  16  16
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 18  18  15  12  12  13  15  13  12  10   8   5   3
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  0   4   9  18  17  18  18
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 14  20  20  24  25  14  10   8   5  -2  -5  -8  -8  -3   0
 10  16  18  19   8   0  -3  -4  -8   5   3   3   8   6   7
 10  10  14  18  20  22  22
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```

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-5 -4 -4 0 0 -5 -6 -6 -6 -5 -5 -3 -3 1 1
0 3 -1 -2 0 1 0 4 4 2 2 2 6 6 3
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2 4 -1 1 4 8 9 10 7 7 8 6 4 -2 4
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7 6 11 8 14 12 12 12 10 12 12 12 13
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2 4 3 0 2 1 3 -1 1 3 6 5 1 -1 2
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8 5 10 10 7 6 7 10 12 15 16 16 12 8 14
10 10 8 4 4 8 8 7 9 6 10 9 12
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3 1 5 9 12 14 14 6 1 5 2 6 1 -2 1
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0 -7 -3 -7 -10 -12 -11 -8 -4 5 -8 -5 -6 -4 0
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9 8 9 8 7 6 8 8 8 8 8 8 7 8 4
3 6 7 7 11 10 11 10 9 10 10 6 10
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10 10 8 12 12 12 12 9 8 12 10 14 16

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 4   9   4   4   5   7   8   7  11  13  11  12  13
 37  3100  1480  3100  2200* L3100E
-2  -4  -5  -3  -1  -1  -1  -6  -9 -10 -10 -13 -10 -11 -12
-7  -7  -6  -4  -7  -2  -6  -2  -4  -1  -4  -3  -1  -3   0
 4   3   7   7   6   4   4
 41  2900  1480  2900  2280* L2900E
 1   2   1   1   4   4  -4  -5  -6  -9  -9  -8 -11 -10  -7
-10  -8  -3   1   0  -2  -3  -2  -4  -3   3   4   5   9   9
 5   4   5   6   6   8  10   9   8   8   8
 37  2700  1480  2700  2200* L2700E
 0   0  -4 -10 -10 -10 -14  -8  -8  -6  -5  -7  -8  -6  -6
-6  -5  -5  -4  -3  -3   2   2   3  13  -2  -2   4   8   7
 9   7   8  11  10  10   6
 37  2500  1480  2500  2200* L2500E
-4  -5  -9  -9  -6  -3   0   2  -3  -4  -4  -4   0   0  -2
 1  -1  -1  -2  -1  -3  -5   0   1  -2   5   3   9  11   7
 12  12   9   6   6   5   5
```

APPENDIX VII

Statement of Costs

STATEMENT OF COSTS

Labour (Salary and Benefits)

S. Price, Project Geologist,	25 days @ $315/day	7,875.00
G. Linden, Geologist,	20 days @ $290/day	5,800.00
C. Woolverton, Field Assistant,	18 days @ $210/day	3,780.00
J. Gordon, Field Assistant,	18 days @ $175/day	3,150.00
G. Ditson, District Geologist,	4 days @ $380/day	1,520.00
M. Gareau, District Geologist,	2.5 days @ $420/day	1,050.00
R. Cannon, Geophysicist,	3 days @ $460/day	1,380.00

Site Costs

Groceries	348.18
Mobile Radio Rental	135.15
Tel. Charges	44.17
Equipment Purchases	469.05

Transportation

Fixed wing (mob/demob)	1,269.50
Truck Rental	409.09
Fuel	37.00

Freight

Sample & Supplies Shipment (Smithers to Vancouver)	48.38

Helicopter

10.0 hours @ $ 635/hour	6,350.00
Fuel (1100 litres)	1,020.36
5.1 hours @ $ 684.85/hour	3,492.73

Analyses

23 Rock @ $19.75/sample (Au,Ag,Mo,As,Cu,Pb,Zn,Hg,Sb)	454.25
749 Soil @ $12.90/sample (Au,Ag,Mo,As,Cu,Pb,Zn)	9,637.10

Report Preparation

S. Price	6 days @ $315/day	1,890.00
G. Linden	3 days @ $290/day	870.00
G. Ditson	2.5 days @ $380/day	950.00
Drafting	1 day @ $315/day	315.00
Maps		137.89
	TOTAL $	52,432.85

APPENDIX VIII

Statements of Qualifications

STATEMENT OF QUALIFICATIONS: S. PRICE

I, Stephen Price, of the City of Vancouver, British Columbia, do hereby certify that:

1. I am a graduate of the University of British Columbia where I received a B.Sc. in Geology in May, 1987.

2. I have practised my profession since graduation, primarily in a variety of exploration projects in British Columbia and Saskatchewan.

3. I am an Associate of the Geological Association of Canada.

4. I am currently employed by Placer Dome Inc.

5. I supervised the work done on the KLI property, reviewed the data, and co-authored this report.

Stephen M. Price

STATEMENT OF QUALIFICATIONS: **G. LINDEN**

I, Gerald E. Linden, of the municipality of Surrey, British Columbia do hereby certify that:

1. I am a graduate of the University of British Columbia where I received a B.Sc. in Geology in 1989.

2. I have practised my profession full-time since 1989.

3. I am currently employed by Placer Dome Inc.

4. I was involved in the exploration work on the KLI property in 1990 and co-authored this report.

Gerald E. Linden

STATEMENT OF QUALIFICATIONS: R. CANNON, P. ENG

I, Richard W. Cannon, of the City of Vancouver, Province of British Columbia, hereby certify as follows:

1. I am a graduate of the University of British Columbia where I received a B.A. Sc. in Geological Engineering (Geophysics Option) in May, 1966.

2. I am a member of the Association of Professional Engineers of British Columbia and have been so since 1968. Registration No. 6742.

3. I am a member of the Canandian Institute of Mining and Metallurgy, Society of Exploration Geophysicists, and the B.C. Geophysical Society.

4. I have practised my profession since 1966.

Respectfully Submitted,

R. W. Cannon, P. Eng.

STATEMENT OF QUALIFICATIONS: **G. DITSON**

I, Gwendolen May Ditson, of the municipality of Vancouver, British Columbia, do hereby certify that:

1. I am a graduate of the University of Southern California where I received a B.S. in Geology in 1974, and of the University of British Columbia where I received a M.Sc. in Geology in 1978.

2. I have practised my profession part-time since 1976, and full-time since 1978.

3. I am a member in good standing of the Canadian Institute of Mining and Metallurgy.

4. I am currently employed by Placer Dome Inc.

Gwendolen May Ditson

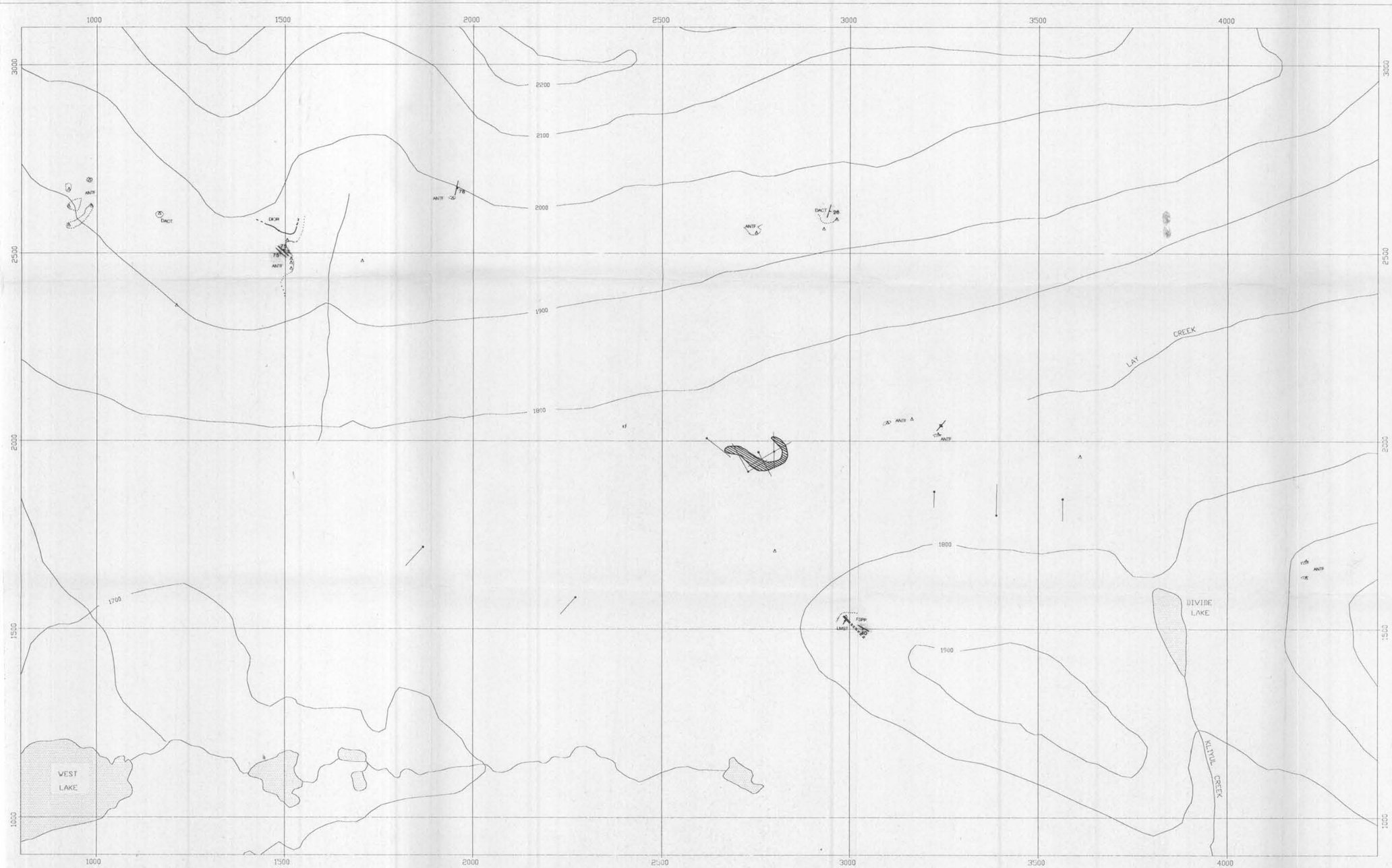
APPENDIX IX

References

REFERENCES

Carter, N.C., 1983. Report on the soup and Klisum Mineral Claim Groups, Vital Resources Limited, private report.

Smit, H.Q. and Meyers, R.E., 1985. Report of the 1984 Geological and Geochemical Exploration Program on the Kli 84-1 Claim Group, Assessment Report 13,258, B.C. Ministry of Energy, Mines and Petroleum Resources.



▵ ROCK SAMPLES

DRILLHOLE SURFACE TRACE

CONTOURS IN METRES.

OUTCROP TRACE

GEOLOGICAL CONTACT (DEFINED, ASSUMED)

BEDDING

QUARTZ VEIN (INCLINED, VERTICAL)

JOINTING

SURFACE TRACE OF MAGNETITE SKARN ZONE (AFTER H. SMIT, 1985)

GEOLOGICAL BRANCH ASSESSMENT REPORT

20,578

ANTF	ANDESITIC TUFF
DACT	DACITE
FSPP	FELDSPAR PORPHYRY
LMST	LIMESTONE
DIOR	DIORITE

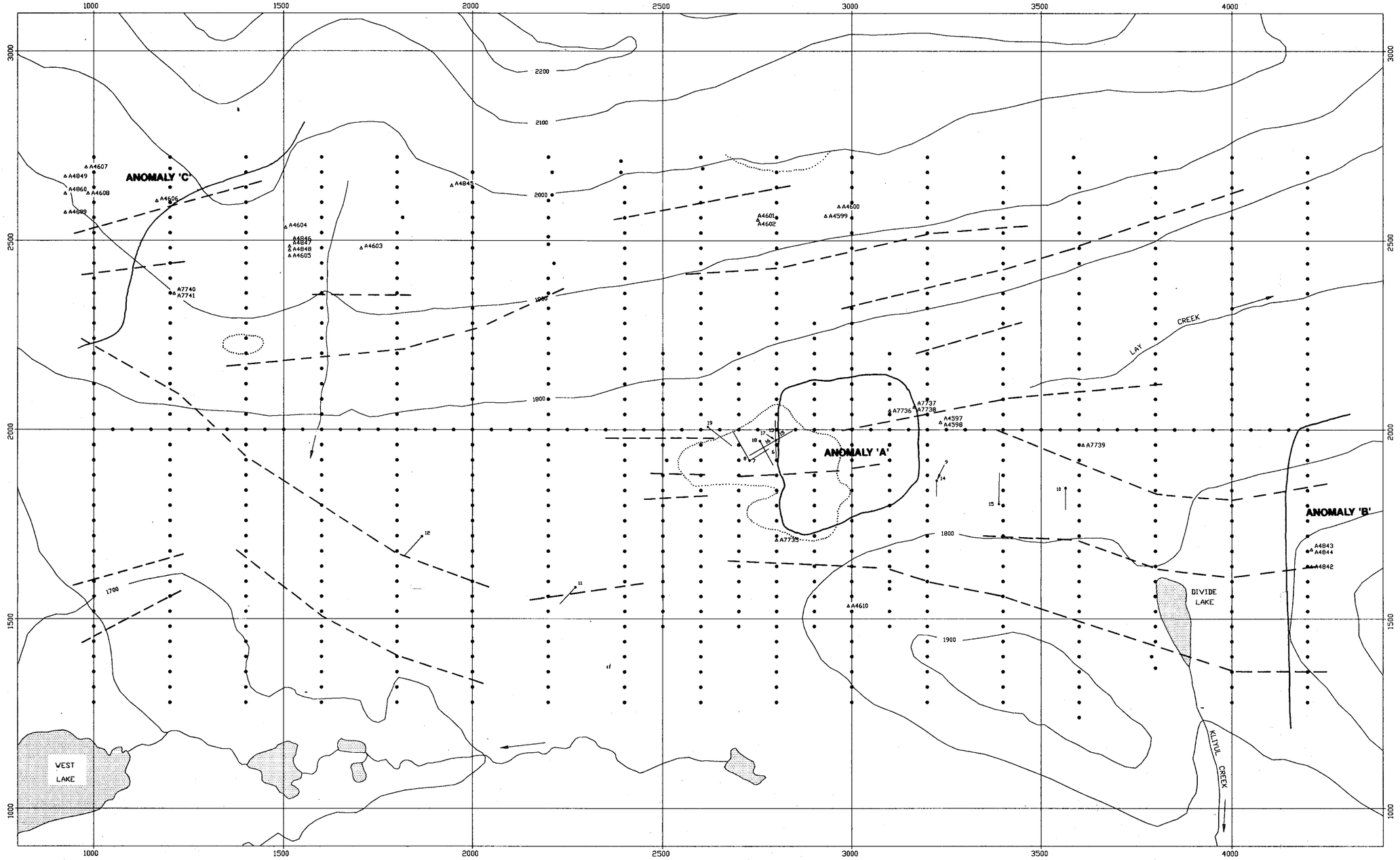
N

0 200 400 600
METRES

PLACER DOME INC.

KLI GEOLOGY MAP

DRAWN SMP
DATE 90/11/08
SCALE 1:5000
FIGURE 4
NO PLATE



KLI SAMPLE LOCATION MAP

- SOIL SAMPLES
- ROCK SAMPLES
- DRILLHOLE SURFACE TRACE

CONTOURS IN METRES.

- GEOCHEMICAL ANOMALY
- VLF-EM CONDUCTOR AXIS
- MAGNETICS >57200 NANOTESLAS

GEOLOGICAL BRANCH
ASSESSMENT REPORT

20,578

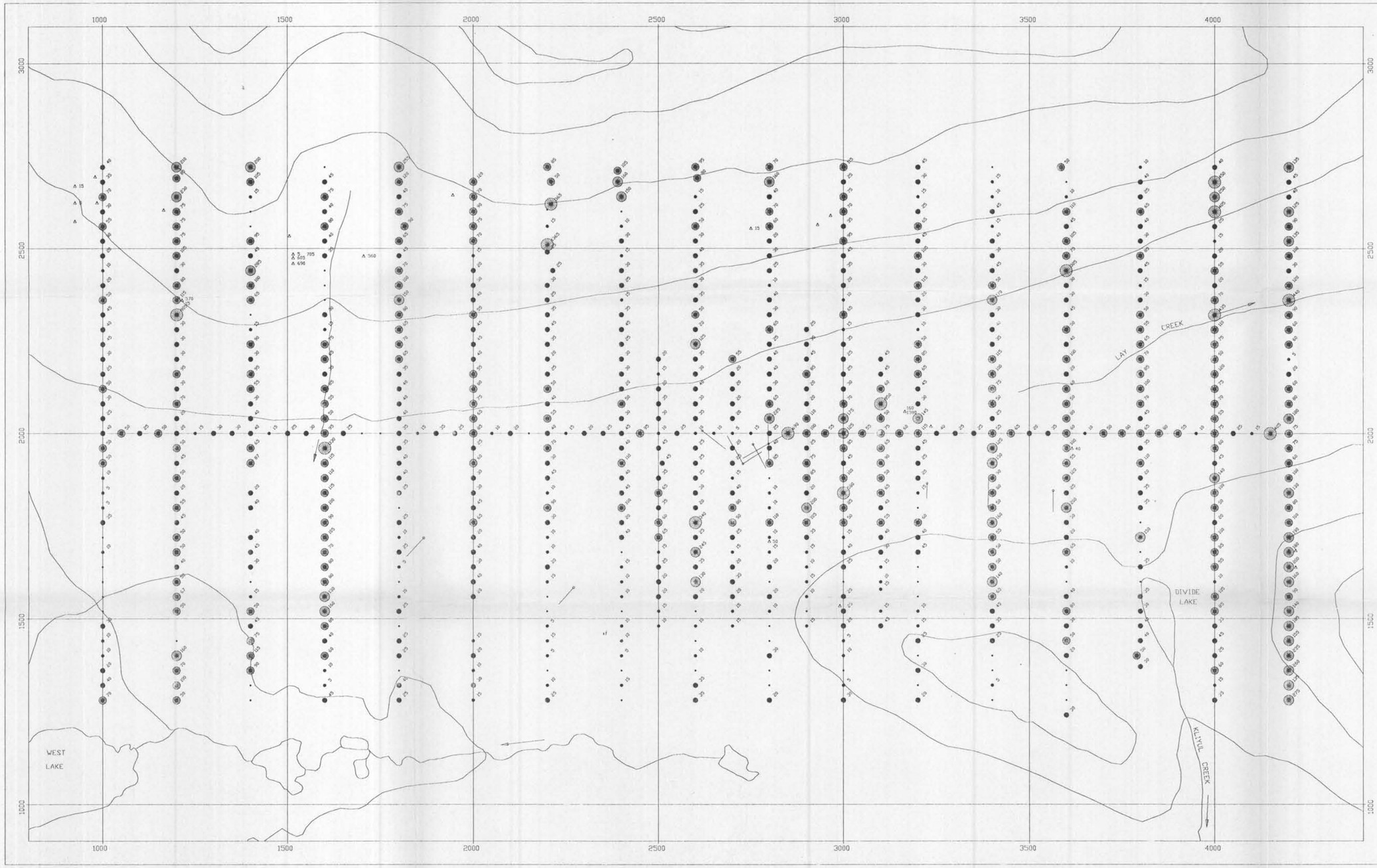
DATA PLOTTED ON THIS MAP:
DIRECTORY: $EXPL/KLI/GCHM

	FIELD	FILE
● POINTS:	AG	KLI.SOIL
▲ POINTS:	AG	KLI.ROCK
	1	KLI.CREEK.LIN
	-3	KLI.TOPO.LIN

N

0 200 400 600
METRES

PLACER DOME INC.	
DRAWN SMP	SAMPLE LOCATION, GEOCHEMICAL AND GEOPHYSICAL COMPILATION MAP
DATE 90-11-08	
SCALE 1:5000	
FIGURE 5	NO. PLATE



KLI GEOCHEMISTRY
AU IN PPB

SOIL SAMPLES

- <5 PPB AU (BELOW DETECTION)
- 5 - 20 PPB AU
- 20 - 50 PPB AU
- 50 - 125 PPB AU
- 125 - 300 PPB AU
- >300 PPB AU

△ ROCK SAMPLES

VALUES BELOW DETECTION LIMIT ARE NOT POSTED.

GEOLOGICAL BRANCH
ASSESSMENT REPORT

20,578

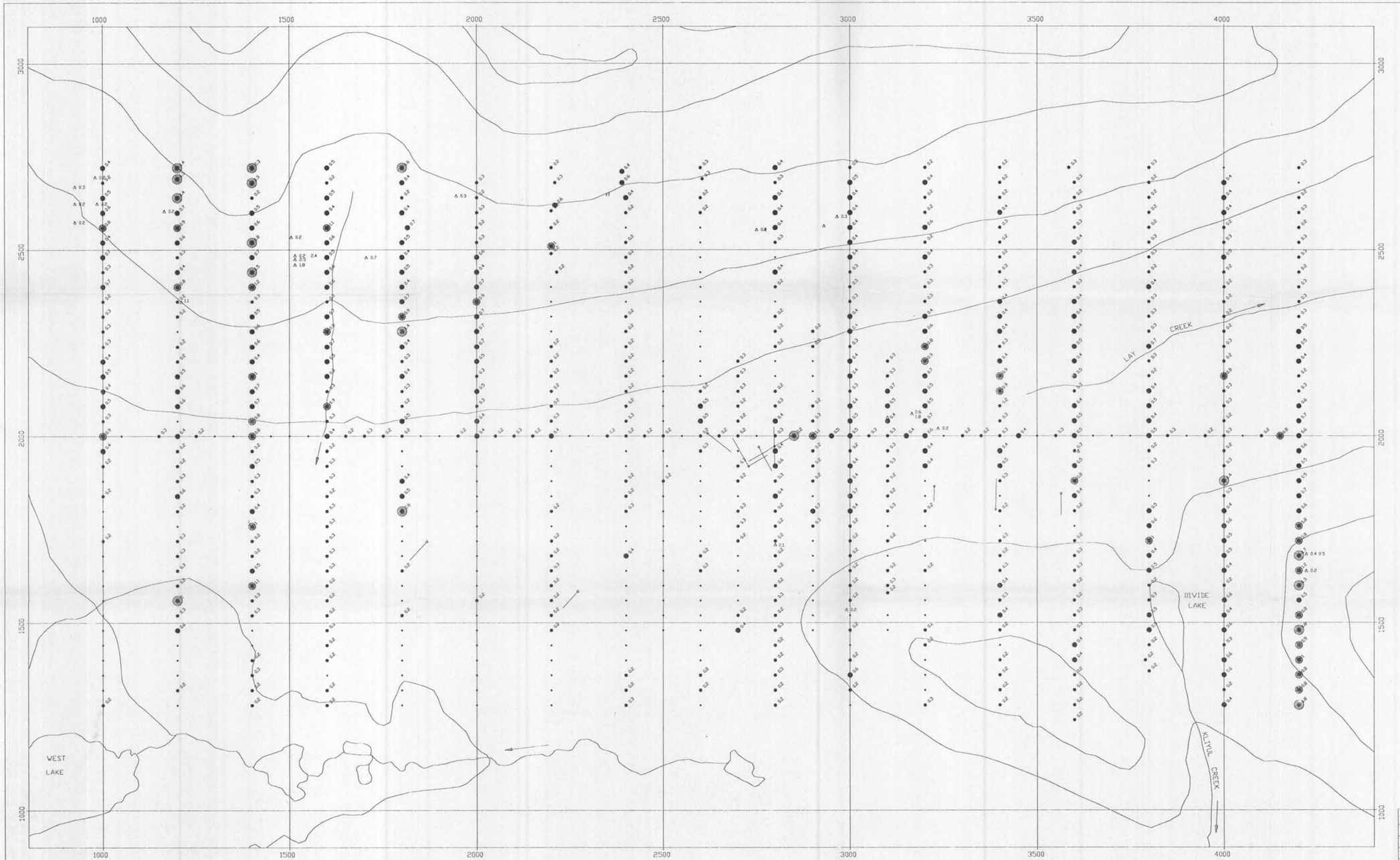
DATA PLOTTED ON THIS MAP:
DIRECTORY: $EXPL/KLI/GCHM

	FIELD	FILE
POINTS:	AU1	KLISOIL
POINTS:	AU1	KLISOIL
△ POINTS:	AU1	KLIROCK
	1	KLICREEKLIN
	-3	KLITOPO1 IN

N

0 200 400 600
METRES

PLACER DOME INC.	
DRAWN SMP	KLI GEOCHEMISTRY AU IN PPB
DATE 90/11/07	
SCALE 1:5000	
FIGURE 6	NO. PLATE



KLI GEOCHEMISTRY
AG IN PPM

SOIL SAMPLES

- <0.2 PPM AG (BELOW DETECTION)
- 0.2 - 0.4 PPM AG
- 0.4 - 0.8 PPM AG
- 0.8 - 1.3 PPM AG
- >1.3 PPM AG

△ ROCK SAMPLES

VALUES BELOW DETECTION LIMIT ARE NOT POSTED.

GEOLOGICAL BRANCH
ASSESSMENT REPORT

20,578

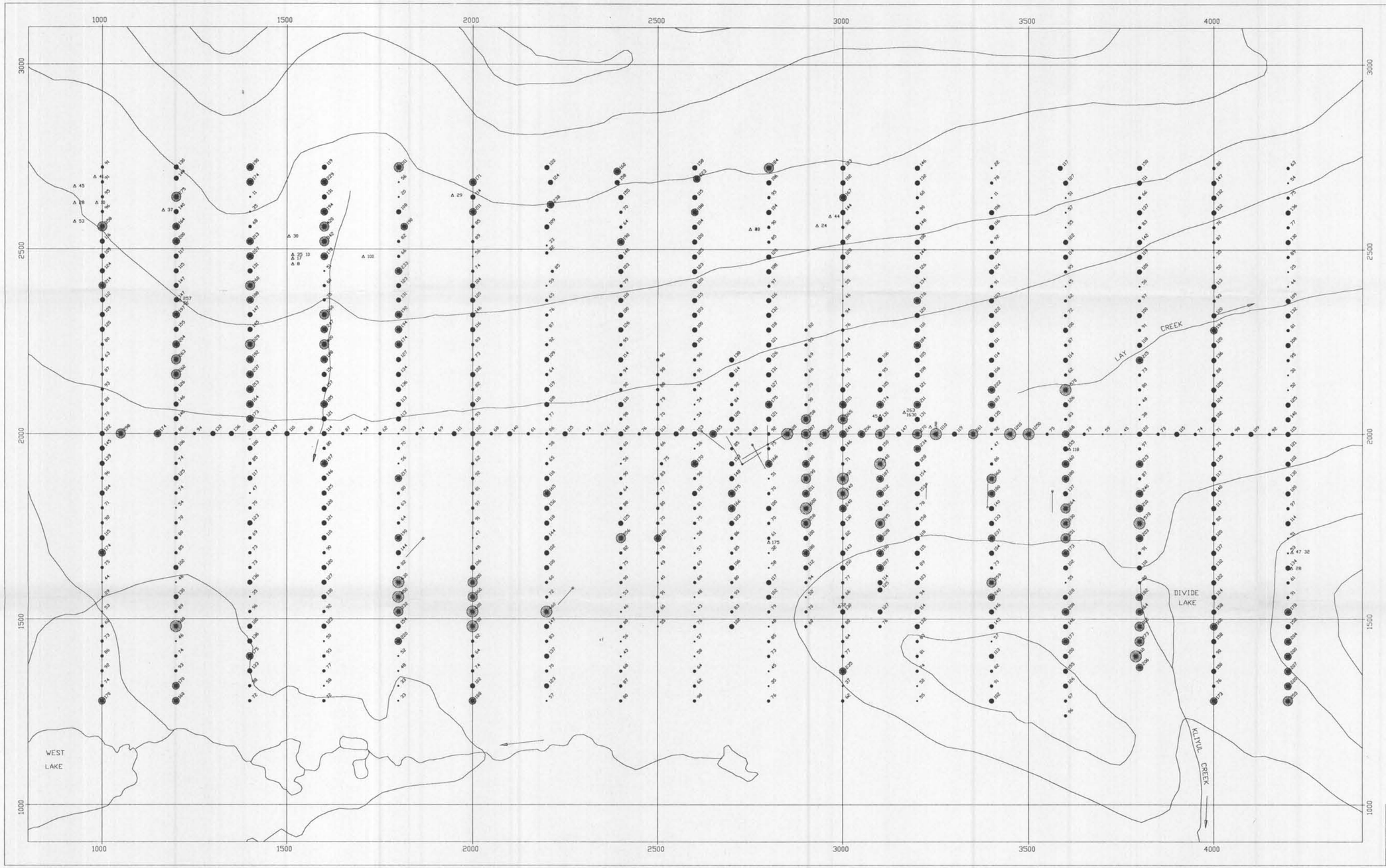
DATA PLOTTED ON THIS MAP:
DIRECTORY: $EXPL/KLI/GCHM

	FIELD	FILE
POINTS:	AG	KLISOIL
POINTS:	AG	KLISOIL
△ POINTS:	AG	KLIROCK
———	1	KLICREEKLIN
———	-3	KLITOPOLIN

N

0 200 400 600
METRES

PLACER DOME INC.	
DRAWN SMP	KLI GEOCHEMISTRY AG IN PPM
DATE 90-11-07	
SCALE 1:5000	
FIGURE 7	NO. PLATE



KLI GEOCHEMISTRY
CU IN PPM

SOIL SAMPLES

- <60 PPM CU
- 60 - 100 PPM CU
- 100 - 160 PPM CU
- 160 - 250 PPM CU
- 250 - 500 PPM CU
- >500 PPM CU

△ ROCK SAMPLES

GEOLOGICAL BRANCH
ASSESSMENT REPORT

20,578

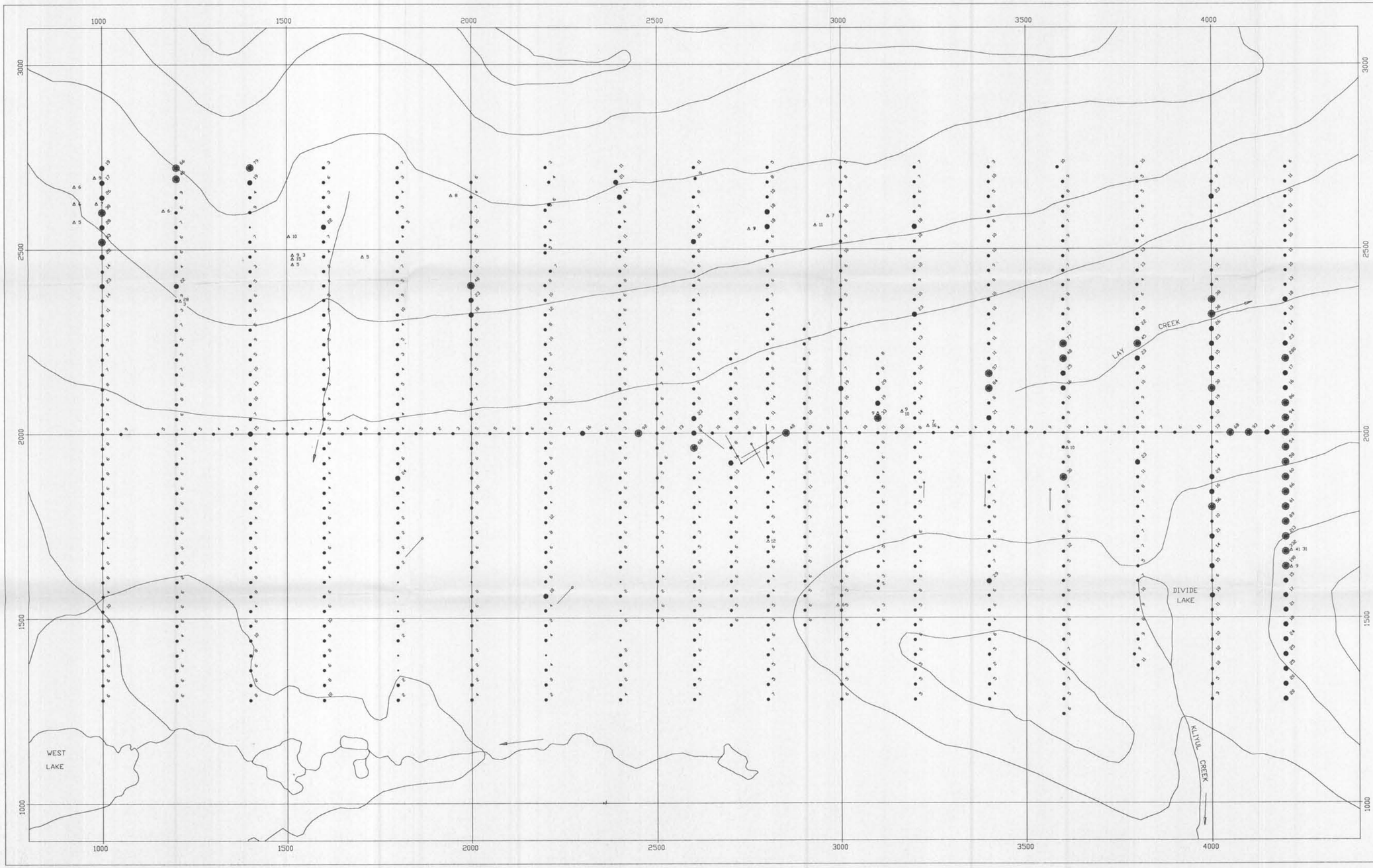
DATA PLOTTED ON THIS MAP:
DIRECTORY: $EXPL/KLI/GCHM

	FIELD	FILE
POINTS:	CU	KLI.SOIL
POINTS:	CU	KLI.SOIL
△ POINTS:	CU	KLI.ROCK
	1	KLI.CREEKLIN
	-3	KLI.TOPOLIN

N

0 200 400 600
METRES

PLACER DOME INC.	
DRAWN SMP	KLI GEOCHEMISTRY
DATE 90/11/07	CU IN PPM
SCALE 1:5000	
FIGURE 8	NO. PLATE



KLI GEOCHEMISTRY
PB IN PPM

SOIL SAMPLES

- <2 PPM PB (BELOW DETECTION)
- 2 - 15 PPM PB
- 15 - 30 PPM PB
- >30 PPM PB

△ ROCK SAMPLES

VALUES BELOW DETECTION LIMIT ARE NOT POSTED.

GEOLOGICAL BRANCH ASSESSMENT REPORT

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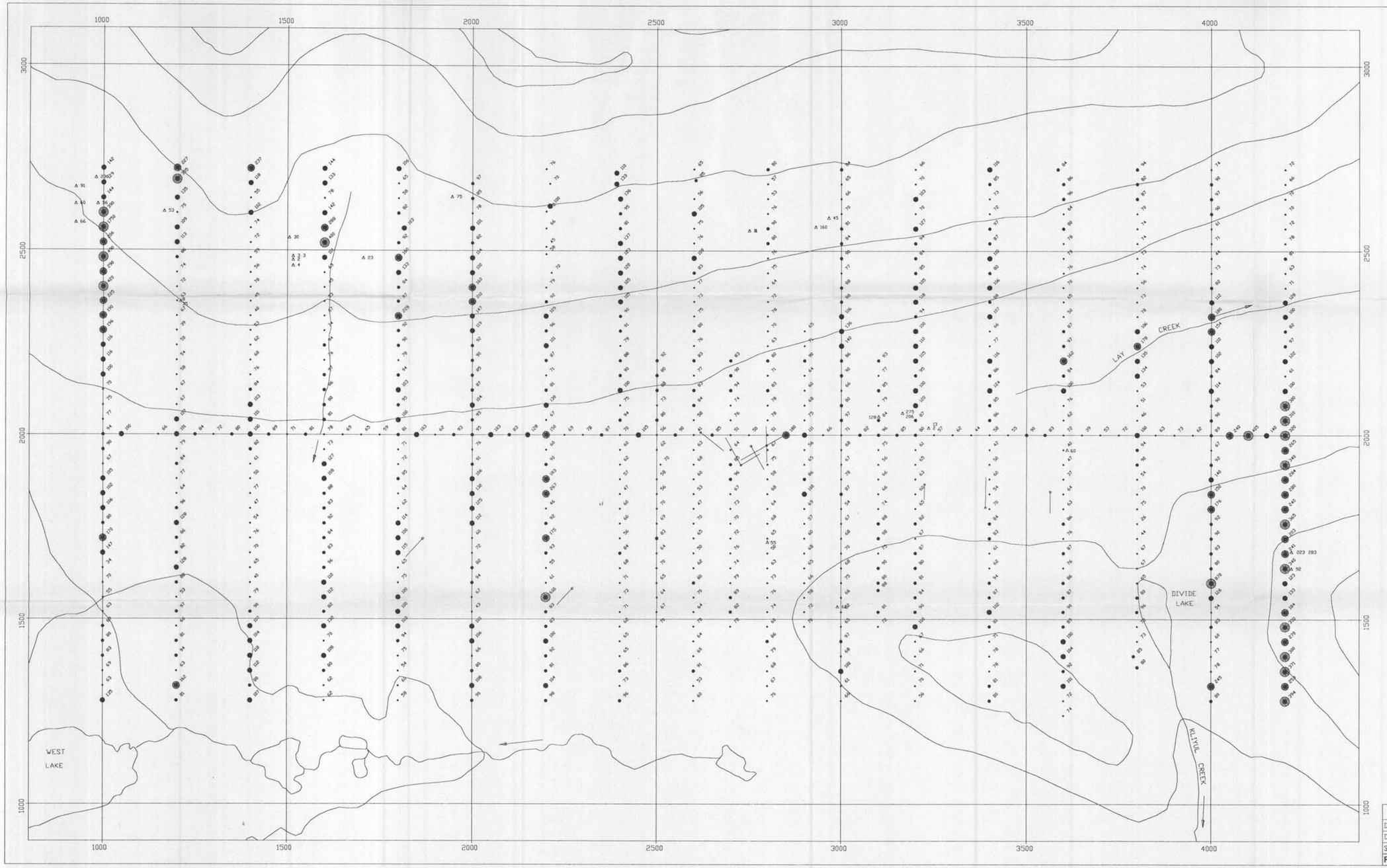
DATA PLOTTED ON THIS MAP:
DIRECTORY: $EXPL/KLI/GCHM

	FIELD	FILE
POINTS:	PB	KLI.SOIL
POINTS:	PB	KLI.SOIL
△ POINTS:	PB	KLI.ROCK
	1	KLI.CREEK.LIN
	-3	KLI.TOPO.LIN

N

0 200 400 600
METRES

PLACER DOME INC.	
DRAWN SMP	KLI GEOCHEMISTRY PB IN PPM
DATE 90/11/07	
SCALE 1:5000	
FIGURE 9	NO. PLATE



KLI GEOCHEMISTRY
ZN IN PPM

SOIL SAMPLES

- <80 PPM ZN
- 80 - 100 PPM ZN
- 100 - 150 PPM ZN
- 150 - 300 PPM ZN
- >300 PPM ZN

▵ ROCK SAMPLES

GEOLOGICAL BRANCH
ASSESSMENT REPORT

20,578

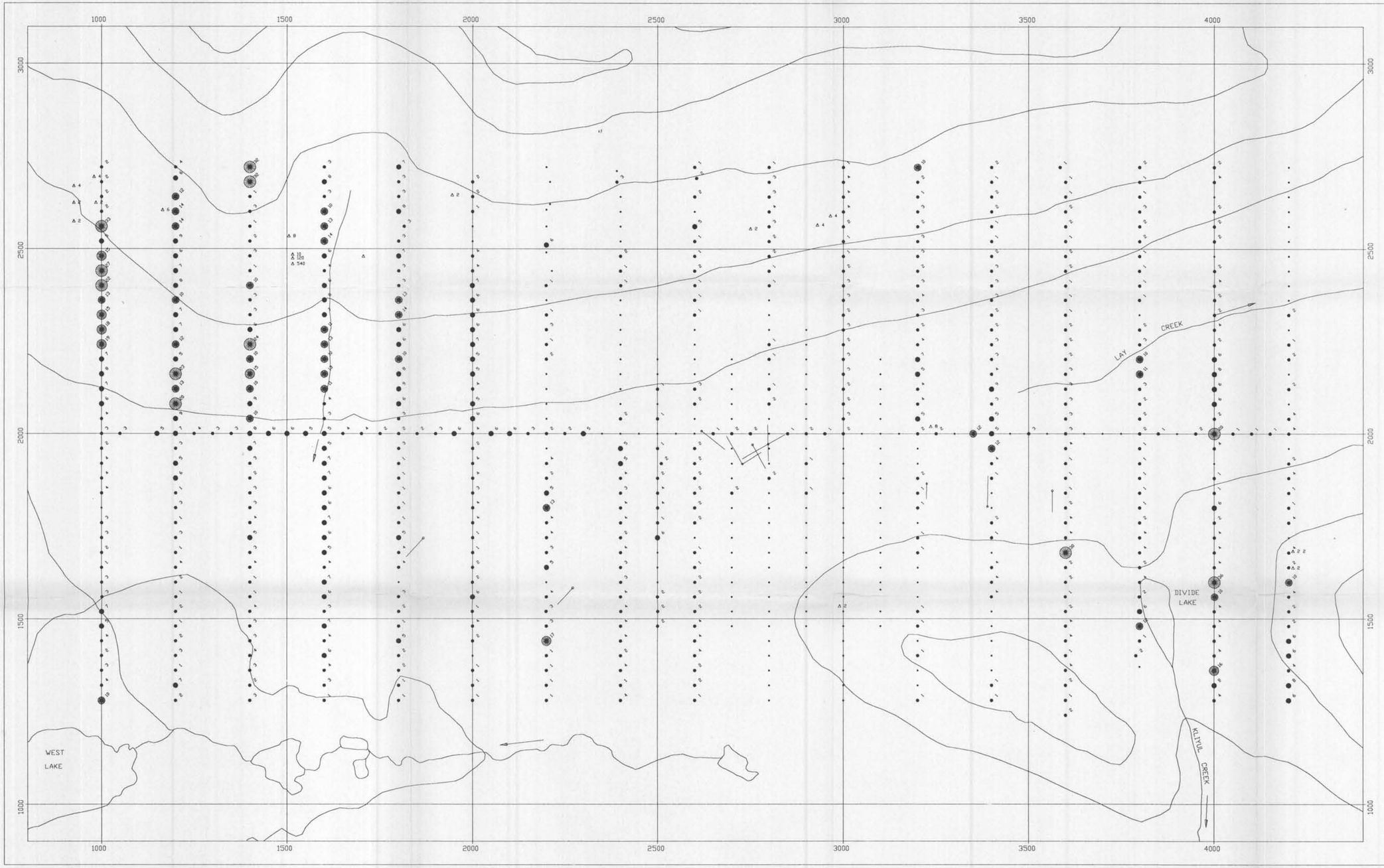
DATA PLOTTED ON THIS MAP:
DIRECTORY: $EXPL/KLI/GCHM

	FIELD	FILE
POINTS:	ZN	KLI.SOIL
POINTS:	ZN	KLI.SOIL
▵ POINTS:	ZN	KLI.ROCK
	1	KLI.CREEK.LIN
	-3	KLI.TOPO.LIN

N

0 200 400 600
METRES

PLACER DOME INC.	
DRAWN SMP	KLI GEOCHEMISTRY
DATE 90-11-07	ZN IN PPM
SCALE 1:5000	
FIGURE 10	NO. PLATE



KLI GEOCHEMISTRY
MO IN PPM

SOIL SAMPLES

- <1 PPM MO (BELOW DETECTION)
- 1 - 5 PPM MO
- 5 - 10 PPM MO
- 10 - 15 PPM MO
- 15 - 20 PPM MO
- >20 PPM MO

△ ROCK SAMPLES

VALUES BELOW DETECTION LIMIT ARE NOT POSTED.

GEOLOGICAL BRANCH
ASSESSMENT REPORT

20,578

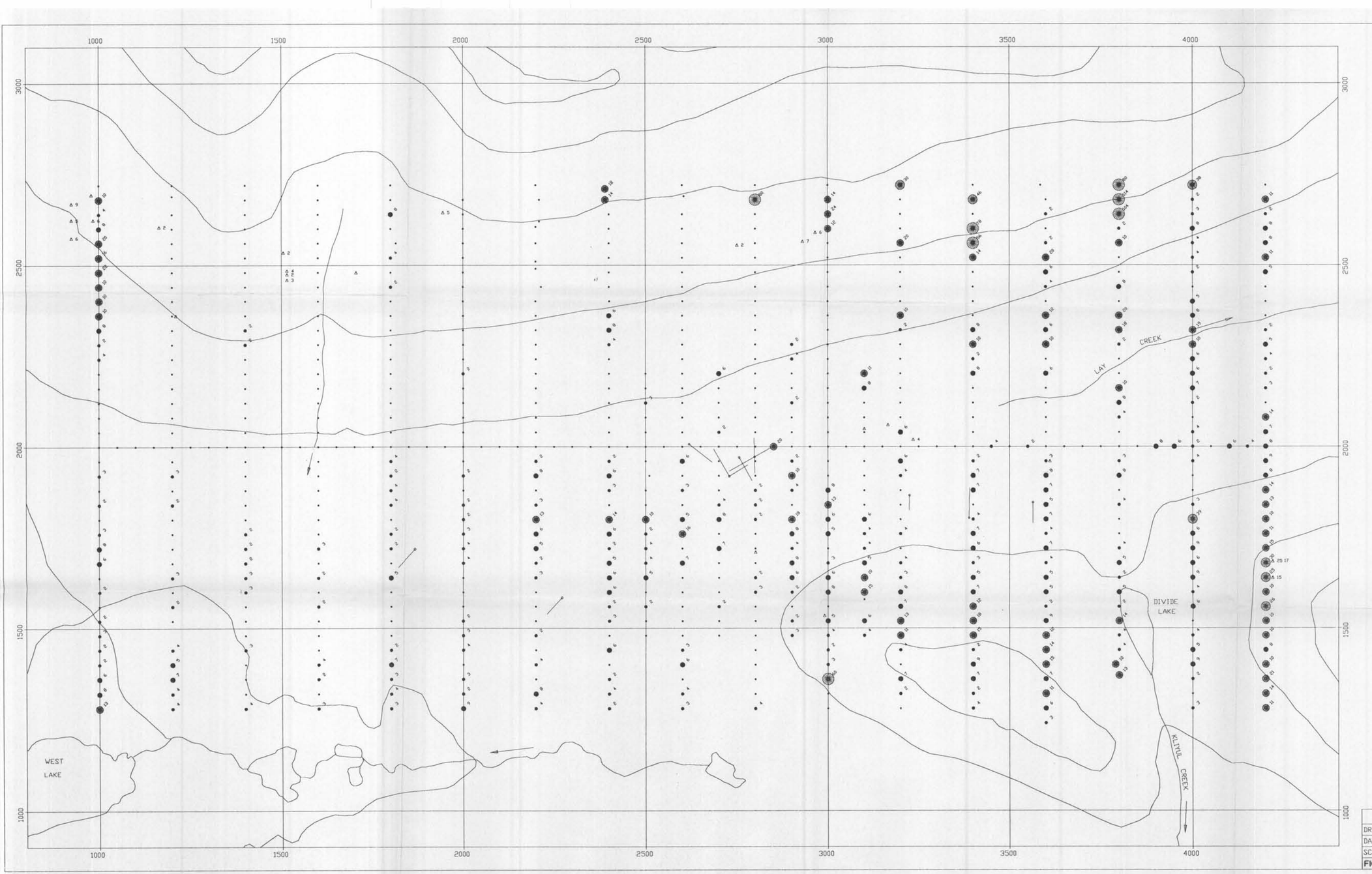
DATA PLOTTED ON THIS MAP:
DIRECTORY: $EXPL/KLI/GCHM

	FIELD	FILE
POINTS:	MO	KLI.SOIL
POINTS:	MO	KLI.SOIL
△ POINTS:	MO	KLI.ROCK
———	1	KLI.CREEK.LIN
———	-3	KLI.TOPO.LIN

N

0 200 400 600
METRES

PLACER DOME INC.	
DRAWN SMP	KLI GEOCHEMISTRY MO IN PPM
DATE 90-11-07	
SCALE 1:5000	
FIGURE 11	NO. PLATE



KLI GEOCHEMISTRY
AS IN PPM

SOIL SAMPLES

- <2 PPM AS (BELOW DETECTION)
- 2 - 5 PPM AS
- 5 - 10 PPM AS
- 10 - 25 PPM AS
- 25 - 50 PPM AS
- >50 PPM AS

△ ROCK SAMPLES

VALUES BELOW DETECTION LIMIT ARE NOT POSTED.

GEOLOGICAL BRANCH
ASSESSMENT REPORT

20,578

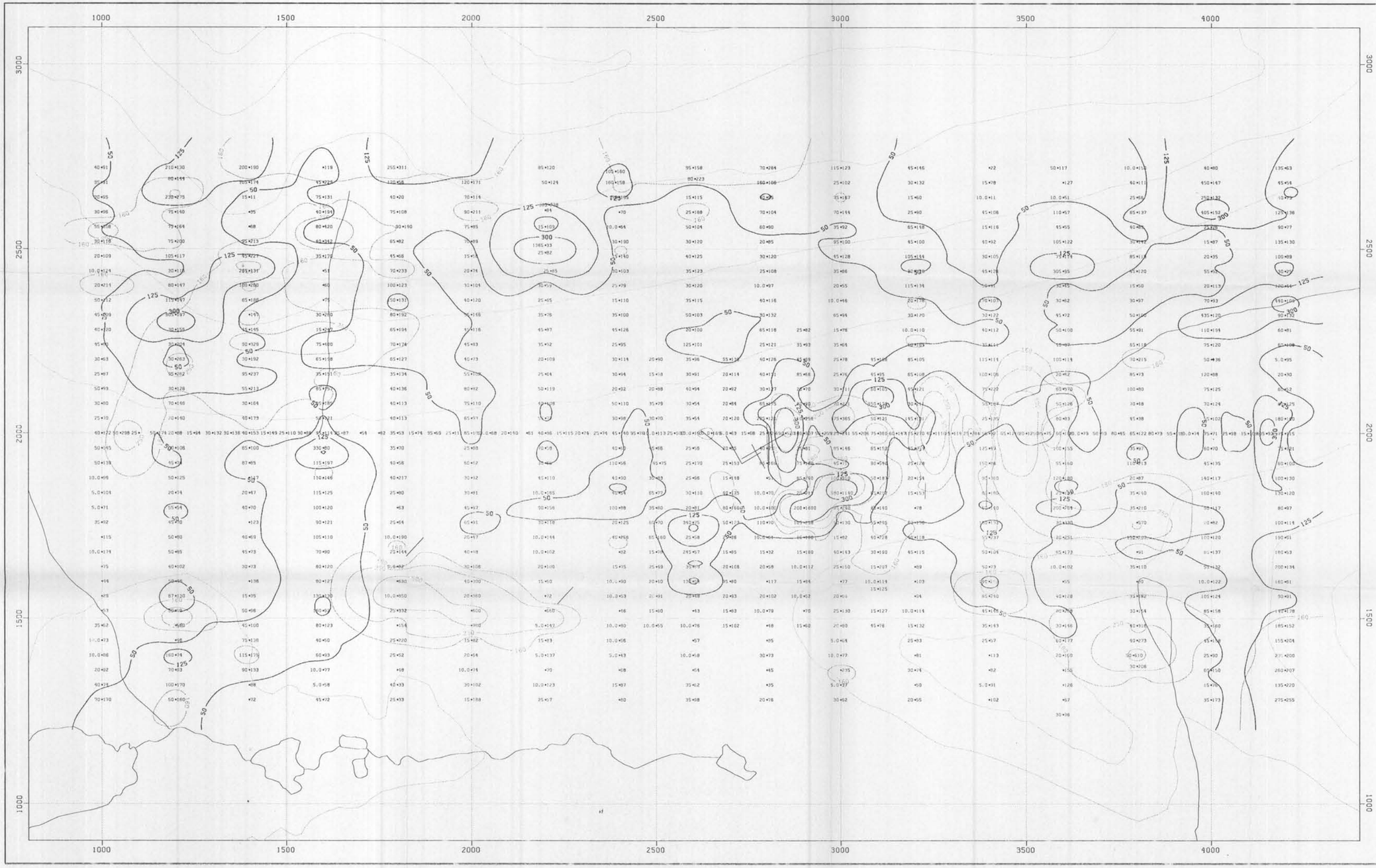
DATA PLOTTED ON THIS MAP:
DIRECTORY: $EXPL/KLI/GCHM

	FIELD	FILE
POINTS:	AS	KLI.SOIL
POINTS:	AS	KLI.SOIL
△ POINTS:	AS	KLI.ROCK
———	1	KLI.CREEK.LIN
———	-3	KLI.TOPO.LIN

N

0 200 400 600
METRES

PLACER DOME INC.	
DRAWN SMP	KLI GEOCHEMISTRY AS IN PPM
DATE 90-11-07	
SCALE 1:5000	
FIGURE 12	NO. PLATE



KLI GEOCHEMISTRY
CONTOURED AU & CU

AU: CONTOURED AT 50, 125, AND 300 PPB
VALUES < 5 PPB NOT PLOTTED

CU: CONTOURED AT 160, 250, AND 500 PPM
ALL VALUES PLOTTED

GEOLOGICAL BRANCH
ASSESSMENT REPORT

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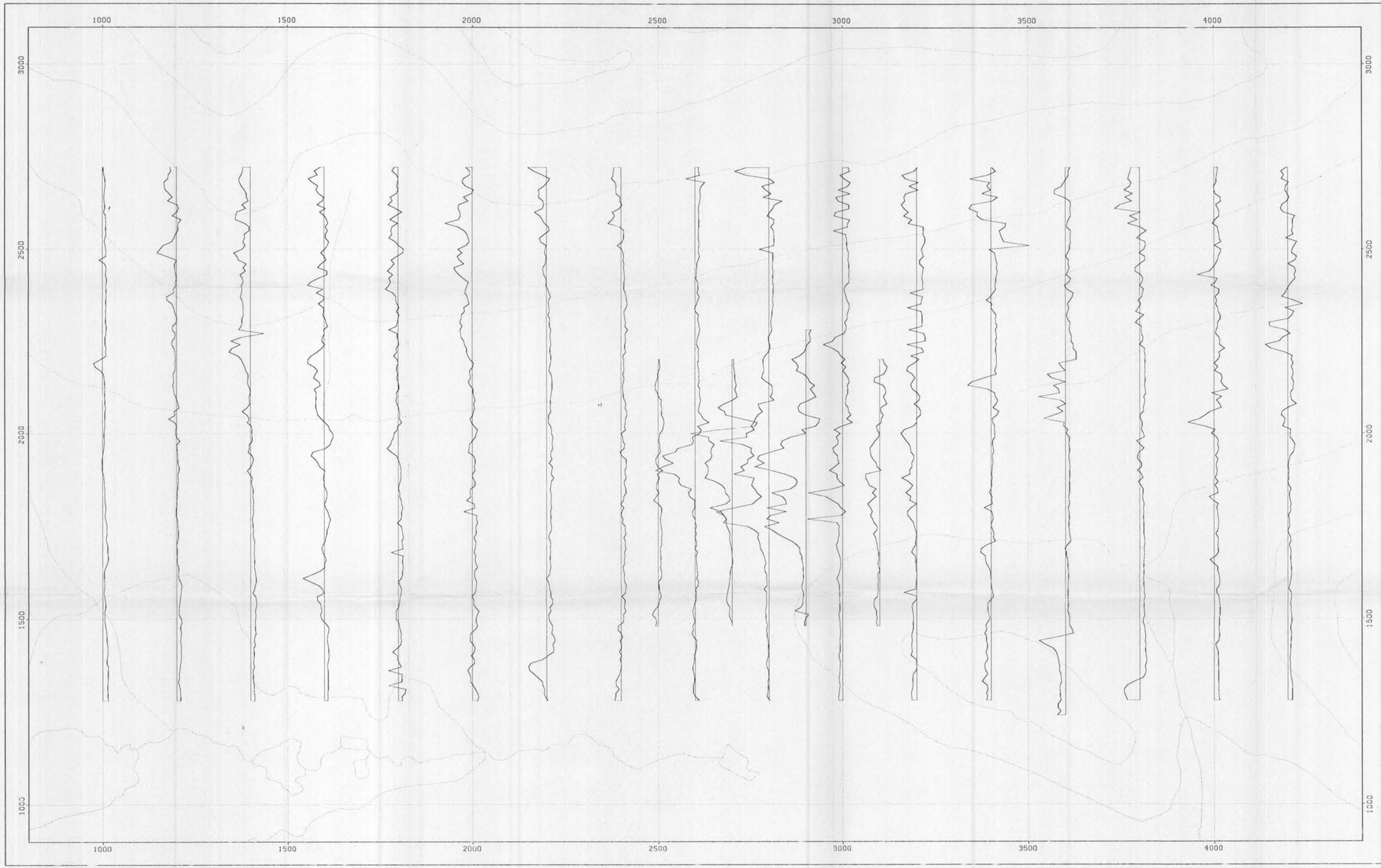
DATA PLOTTED ON THIS MAP:
DIRECTORY: /PLACER1_1F/EXPL/KLI/GCHM

	FIELD	FILE
CONTOURS:	AU1	KLI.SOIL.AU1.GRID
CONTOURS:	CU	KLI.SOIL.CU.GRID
* POINTS:	AU1	KLI.SOIL
LINES:		KLI.CREEK.LIN
LINES:		KLI.TOPO.LIN
LINES:		KLI.DRILL.LIN

N

0 200 400 600
METRES

PLACER DOME INC.	
DRAWN SMP	KLI GEOCHEMISTRY
DATE 90:10:10	CONTOURED AU & CU
SCALE 1:5000	
FIGURE 13	NO. PLATE



KLI PROJECT
STACKED MAGNETIC PROFILES

UNITS = NANOTESLAS

GEOLOGICAL BRANCH
ASSESSMENT REPORT

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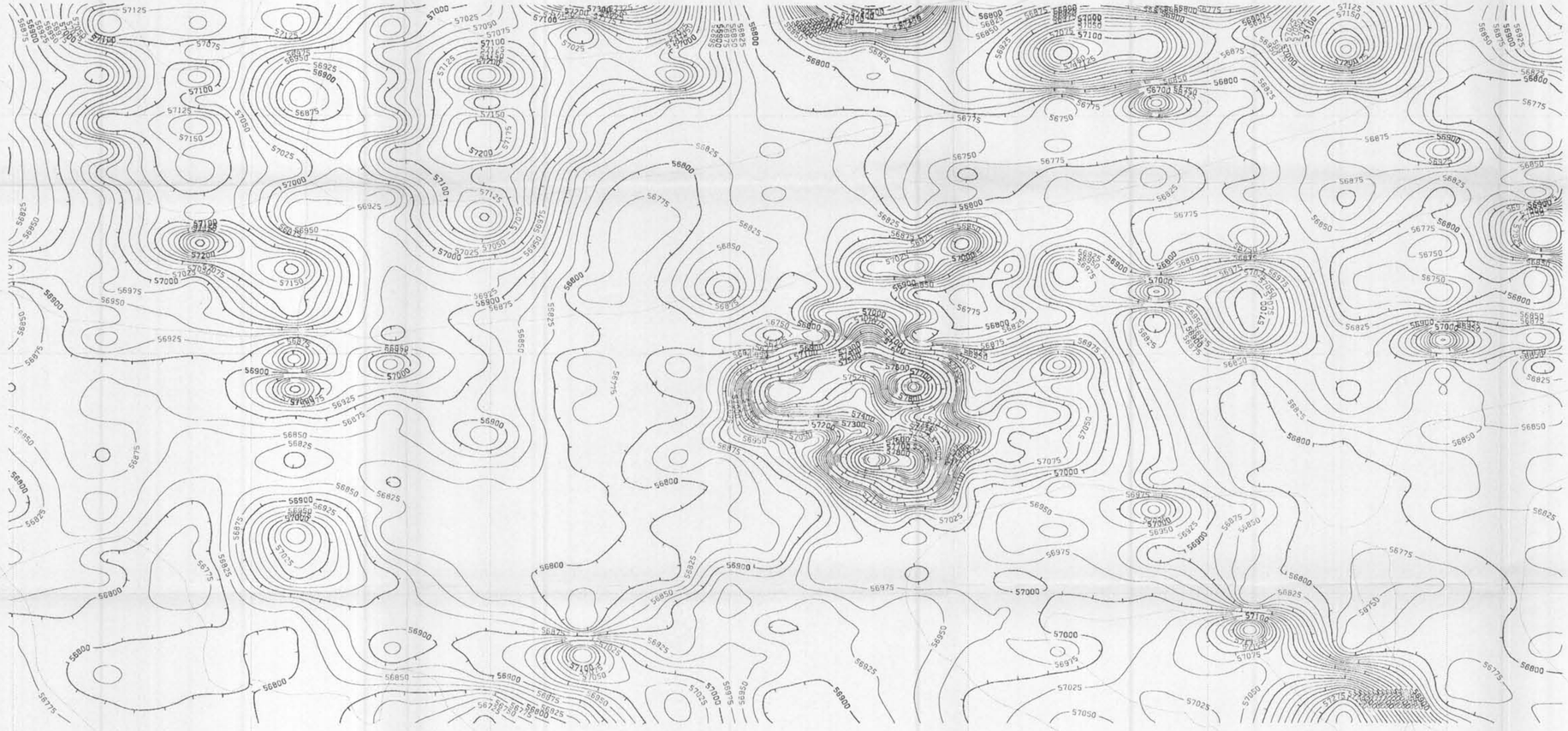
DATA PLOTTED ON THIS MAP:
DIRECTORY: $EXPL/KLI/GP

	FIELD	FILE
	MAG	KLI.MAGS
	SCALE:	500 UNITS / CM
	BASE LEVEL:	56900
	-3	../GCHM/KLI_CREEK.LIN
	-3	../GCHM/KLI.TOPO.LIN

N

0 200 400 600
METRES

PLACER DOME INC.	
DRAWN RWC	KLI PROJECT
DATE 90:11:08	STACKED MAGNETIC PROFILES
SCALE 1:5000	
FIGURE 14	NO. PLATE



KLI PROJECT
CONTOURED MAGNETIC DATA

UNITS = NANOTESLAS

GEOLOGICAL BRANCH
ASSESSMENT REPORT

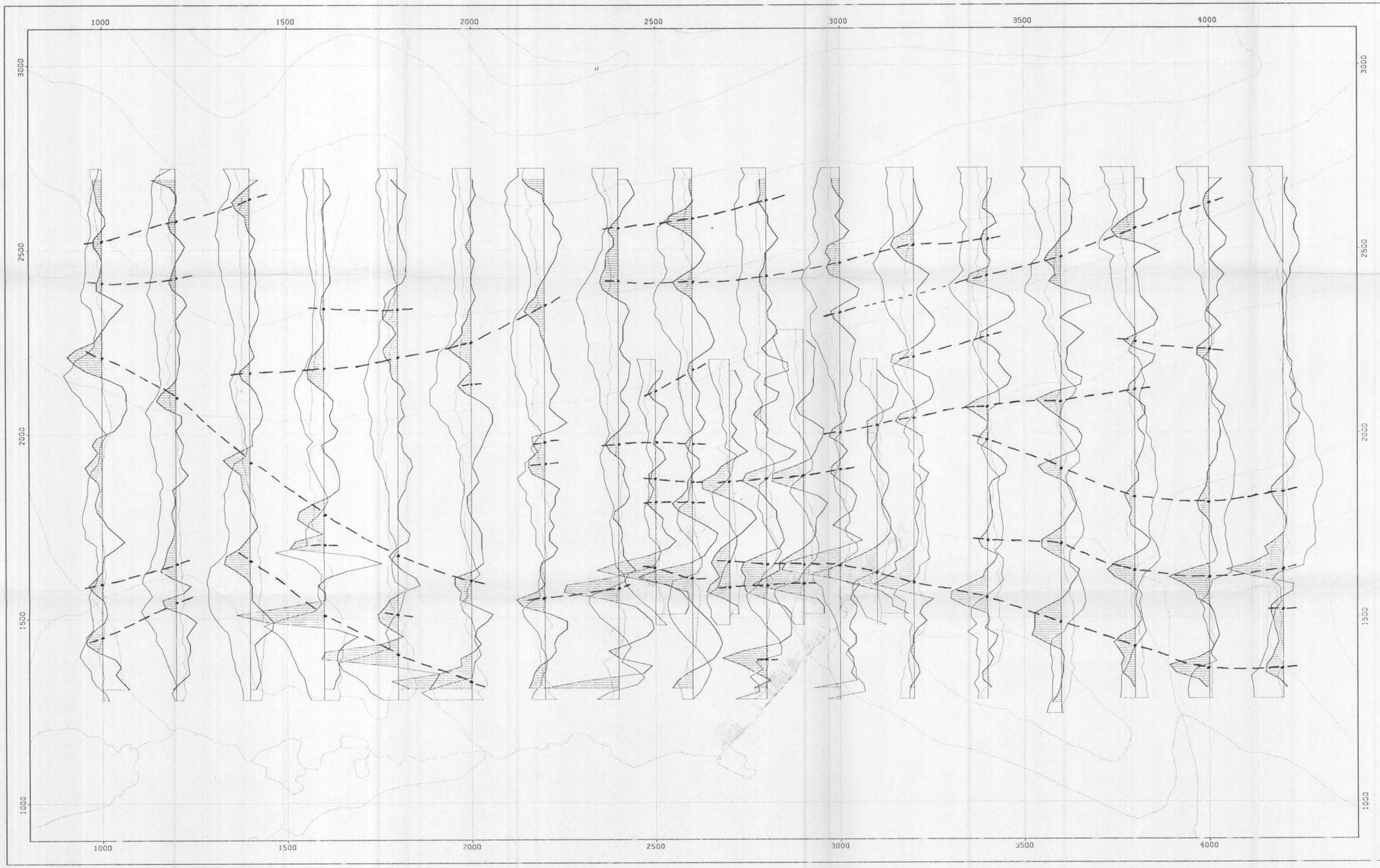
20,578

DATA PLOTTED ON THIS MAP:
DIRECTORY: /PLACER1_1F/EXPL/KLI/GP

	FIELD	FILE
CONTOURS:	MAG	KLI.GRD
LINES:		../GCHM/KLI.CREEK.LIN
LINES:		../GCHM/KLI.TOPO.LIN

0 200 400 600
METRES

PLACER DOME INC.	
DRAWN RHC	KLI PROJECT
DATE 90:11:08	CONTOURED MAGNETIC DATA
SCALE 1:5000	
FIGURE 15	NO. PLATE



KLI PROJECT
STACKED VLF PROFILES

LIGHT LINE = QUADRATURE
MEDIUM LINE = IN-PHASE
DARK LINE = FRASER FILTER

GEOLOGICAL BRANCH
ASSESSMENT REPORT

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CONDUCTOR AXES

DATA PLOTTED ON THIS MAP:
DIRECTORY: 8EXPL/KLI/GP

	FIELD	FILE
	IP	KLI.IPS
	SCALE:	20.0 UNITS / CM
	BASE LEVEL:	0.0
	IP	KLI.IPS
	SCALE:	20.0 UNITS / CM
	BASE LEVEL:	0.0
	FRASER FILTER APPLIED	
	QQ	KLI.QQS
	SCALE:	20.0 UNITS / CM
	BASE LEVEL:	0.0
	-3	../GCHM/KLI.CREEK.LIN
	-3	../GCHM/KLI.TOPO.LIN

N

0 200 400 600
METRES

PLACER DOME INC.	
DRAWN RWC	KLI PROJECT
DATE 90:11:08	STACKED VLF PROFILES
SCALE 1:5000	
FIGURE 16	NO. PLATE