

MAP NO.

ASSESSMENT REPORT X

DOCUMENT NO.: 092116

PROSPECTUS

MINING DISTRICT: DAWSON

CONFIDENTIAL X

TYPE OF WORK: GEOLOGICAL

115 N 15

OPEN FILE

REPORT FILED UNDER: Kelan Resources Inc.

DATE PERFORMED: September 3 - October 1, 1987

DATE FILED: March 11, 1988

LOCATION: LAT.: 63°55'N

AREA: Sixtymile River

LONG.: 140°44'W

VALUE \$: 17,000.00

CLAIM NAME & NO.: PRA 45-56 YA89118-129

PRA 57, 59, 61, 63, 65, 67 YA89130, 132, 134, 136, 138, 140

WORK DONE BY: Barry J. Price

WORK DONE FOR: Kelan Resources Inc.

DATE TO GOOD STANDING | REMARKS: #15 BUTLER

_____ | _____

_____ | _____

_____ | _____



M.R. file no.
<i>Quartz Pending</i>
R.M.M.R. file no.
Date forwarded
<i>14 FEB 88</i>

TRANSMITTAL FORM

From Mining Recorder at: *Dawson*

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

For action are:

<input type="checkbox"/> NEW APPLICATION FOR PLACER LEASE TO PROSPECT	Name	
<input type="checkbox"/> RENEWAL APPLICATION PLACER LEASE TO PROSPECT	Name	Lease no.
<input type="checkbox"/> AFFIDAVIT OF EXPENDITURE ON PLACER LEASE	Name	Lease no.
<input type="checkbox"/> SECURITY DEPOSIT		
<input type="checkbox"/> FINANCIAL ABILITY		
<input type="checkbox"/> ASSIGNMENT OF PLACER LEASE NO.	From	To
<input type="checkbox"/> GROUPING APPLICATION UNDER SEC. 52(2) PLACER MINING ACT.	Owner	
<input type="checkbox"/> DIAMOND DRILL LOGS	Claims	Claim sheet no.
<input checked="" type="checkbox"/> QUARTZ ASSESSMENT REPORT	Claims	Claim sheet no.
	Type of report	Submitted by
	Cls. work performed on	\$ req. for ren. application

2 Reports NOTE!

TRA 1-68 mcs

Geological

Aureum Geological

TRA 45-56, 57, 59, 61, 63, 65, 67

TRA 7-18, 23-36.

34,000.00

(17,000.00 Each)

Signature: *[Signature]*

REPLY ACTION **092116** Date returned *7 April, 1988*

Approved for amount required

Signature: *[Signature]*

GEOLOGICAL REPORT
BUTLER GULCH PROPERTY

(Pra 45-56 claims, YA 89118-89129)
(Pra 57,59,61,63,65,67 claims)
(Record Numbers YA 89130,132,134,136,138,140)
Sixtymile River Area, Dawson Mining District
Yukon Territory

Lat:63 55 North/ Long:140 44 West
NIS Mapsheet 115 N 15

owned by:

KELAN RESOURCES INC.

600 - 890 West Fender Street
Vancouver, B.C.
V6C 1J9



Barry Price

by:

BARRY J. PRICE, M.Sc., F.G.A.C.

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092116

JANUARY 22, 1988

This report has been examined by
the Geological Evaluation Unit
under Section 53 (4) Yukon Quartz
Mining Act and is allowed as
representation work in the amount
of \$ 17,000.00,

[Signature]
for **Regional Manager, Exploration and
Geological Services for Commissioner
of Yukon Territory.**

011200

GEOLOGICAL REPORT
BUTLER GULCH PROPERTY
Kelan Resources Inc.
Sixtymile River Area, Dawson M.D.
Yukon Territory

SUMMARY

Kelan Resources Inc. has acquired by option, 18 mineral claims in the Sixtymile River area west of Dawson City, Yukon Territory. The writer has reviewed previous geological reports from the area and visited the property from September 14-17, 1987. Previous work was done by Archer Cathro and Associates in 1969, for Connaught Mines Ltd. This report describes the previous work and a 1987 work program supervised by Harmen Keyser, B.Sc., (Aurum Geological Consultants Inc.), completed October 1, 1987.

The Butler Gulch property of Kelan Resources Inc., is situated at the headwaters of Butler Gulch, a northerly flowing tributary of Sixtymile River. The property, 70 kilometers southwest of Dawson City, Y.T. and 15 kilometers east of the Alaskan border is reached by a road leading south from the "Top of the World" Highway, two hours driving time from Dawson City, Y.T. The property is between 1,000 meters to 1,400 meters above sea level, mostly above tree-line, in an unglaciated area with permafrost.

The property includes the Pra 45-56 and Pra 57,59,61,63,65 and 67 claims totaling 18 in all, in the Dawson Mining District. The property is under option from Darrel Krell; terms of the option include cash payments, shares, and the obligation by Kelan to expend \$150,000 on exploration, after which Kelan will have earned 50 % interest in the property, and will operate the property under a joint venture with Croesus Resources Inc.

The Sixtymile area is situated between the Tintina Fault and the Denali Fault, in a block of Paleozoic ? rocks known as the "Yukon Cataclastic Complex". Most of the area is underlain by metasedimentary rocks of Paleozoic age, including "Klondike Schist", Nasina Quartzite, Limestone and Marble units, Chert and Metachert units, and undifferentiated schists and gneisses. The gneisses represent metamorphosed intrusive rocks - the Fiftymile Batholith.

On the Kelan claims, several narrow but high grade composite veins carry silver, lead, arsenic, antimony and gold. The central part of the veins are massive galena, which carries silver. The quartz rich margins have arsenopyrite, stibnite and gold. Values obtained in selected samples from the veins are up to 151 oz/ton silver, 79 % lead, 5.40 % Arsenic and 0.088 oz/ton gold.

During the period September 3 to October 1, 1987, a total of \$65,000 was expended on the claims. The program included grid cutting, (23.2 km), surveying, road repairs and soil sampling, (885 samples).

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Soil samples taken during the initial phase of exploration revealed a strong gold geochemical anomaly, with values up to 9090 ppb, associated with an area of magnetite-chalcopyrite skarn. In addition, strong silver-lead-arsenic-antimony anomalies are associated with vein faults seen on the adjacent property which outcrop on the property boundary and appear to trend on to the Kelan claims.

The veins in the area are compared with silver veins in several other areas in the Yukon where profitable hand cobbing (high grading) operations have taken place.

A program of geological mapping, sampling, trenching and diamond drilling is recommended, at an estimated cost of \$105,000., to be followed, if warranted, by a further program of drilling at a cost of \$150,000.

respectfully submitted

Barry J. Price.....

Barry J. Price, M.Sc, FGAC.
Consulting Geologist.
January 22, 1988.



GEOLOGICAL REPORT
BUTLER GULCH PROPERTY
Kelan Resources Inc.
Sixtymile River Area, Dawson M.D.
Yukon Territory

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GEOLOGICAL REPORT
BUTLER GULCH PROPERTY
Kelan Resources Inc.
Sixtymile River Area, Dawson M.D.
Yukon Territory

INTRODUCTION:

Kelan Resources Inc. has acquired by option from Darrel Krell, of New Westminster, 18 mineral claims in the Sixtymile River area west of Dawson City, Yukon Territory. At the request of Alex Devlin, President of Kelan, the writer has reviewed previous geological reports from the area and visited the property from September 14-17, 1987. This report summarizes previous work done by Archer Cathro and Associates in 1969, and describes a work program supervised by Harmen Keyser, B.Sc. (Aurum Geological Consultants Inc.), completed October 1, 1987.

LOCATION AND ACCESS:

The Butler Gulch property of Kelan Resources Inc. is situated at the headwaters of Butler Gulch, a northerly flowing tributary of Sixtymile River. The property is 70 kilometers southwest of Dawson City, Y.T. and 15 kilometers east of the Alaskan border.

The exploration camp, situated near the mouth of Miller Creek and on the north bank of Sixtymile River, is reached by a short branch road leading south from the "Top of the World" Highway, west of Dawson City, which is two hours driving time by 2 wheel drive vehicle. At times, 4 wheel drive vehicles are preferable. The camp can be reached in one half hour by helicopter from Dawson City. A short airstrip services numerous placer mines in the vicinity of Miller Creek, but is not often used.

The property is at the height of land, (maximum 1,400 meters ASL.) between Sixtymile River and the headwaters of Fiftymile Creek. A four wheel drive access road crossing the property is a side branch of the Matson Creek and Ladue River access road. The road has been improved but is still rough, with soft areas near springs, and steep slopes in some areas. Areas above tree line can be reached by All Terrain Vehicles.

Dawson City, Y.T. is a placer mining and tourist center. Groceries and some hardware supplies are available but most supplies, equipment and parts must be flown in from Whitehorse or trucked in from Whitehorse or Vancouver. Daily aircraft flights from Whitehorse allow access to the property in one day from Vancouver, via Whitehorse. One or more helicopter companies have their base in Dawson City during the summer months.

Heavy equipment and labour are often available locally, as a great number of placer mines operate in the Dawson City area, or from Whitehorse.

PHYSIOGRAPHY, VEGETATION AND CLIMATE:

The property is situated in the northern part of the Dawson Range, which was not subjected to glaciation. Elevations of the property range from 1,000 meters to 1,400 meters above sea level. The ground is mostly above tree-line and has permafrost. Climate has short, warm summers with long cold winters, and low precipitation (about 25 cm annually).

PROPERTY DEFINITION:

Kelan Resources Inc. has under option from Darrel Krell, of New Westminster, B.C., the following claims in the Dawson Mining District, as shown on the accompanying figure, (Figure 3):

TABLE I - CLAIM DATA.

<u>Claim Names</u>	<u>Record Numbers</u>	<u>Expiry Date</u>
Pra 45-56	YA 89118-129	April 28, 1988
Pra 57	YA 89130	April 28, 1988
Pra 59	YA 89132	April 28, 1988
Pra 61	YA 89134	April 28, 1988
Pra 63	YA 89136	April 28, 1988
Pra 65	YA 89138	April 28, 1988
Pra 67	YA 89140	April 28, 1988

=====
 Total: 18.Claims

The writer examined a number of claim posts and lines and the claims appear to be staked in accordance with the Quartz Mining Act of the Yukon Territory. Terms of the option with D.Krell involve cash payments totalling \$10,000 by February 15, 1988, (of which \$5,000 has been paid), and the obligation by Kelan to expend \$150,000 on exploration, after which Kelan Resources Inc. and Croesus Resources Ltd. will explore the property as equal partners under a joint venture. During the period September 3 to October 1, 1987, a total of \$65,552 was expended on the claims listed above. When the 1987 work is filed as assessment, the claims will be in good standing for several years. Adjacent claims are being explored by Croesus Resources Inc.

REGIONAL GEOLOGY:

As shown in the accompanying Yukon Tectonic Map, (Figure 4), the Sixtymile area is situated between the Tintina Fault and the Denali Fault, in a block of Paleozoic ? rocks known as the "Yukon Cataclastic Complex", which includes three assemblages of highly sheared and metamorphosed rocks. These are, in structural order (not necessarily stratigraphic) from top to bottom, the Simpson Allocthonous Assemblage, a slice of biotite granodiorite schist which underwent ductile deformation; below which is the Anvil Allocthon, comprising amphibolite and serpentinite and representing a sheared ophiolite; and at the bottom, the "Klondike Schist" (Nisutlin Allocthonous Assemblage), quartz-muscovite and chlorite schists, representing metamorphosed sedimentary and volcanic rocks. (Templeman-Kluit, 1981).

In greater detail, figure 5 is a simplified version of regional mapping done by Templeman-Kluit in the Stewart River Map area, (Map 18-1963). Most of the area is underlain by Metasedimentary rocks of Paleozoic age, including "Klondike Schist", Nasina Quartzite, Limestone and Marble units, Chert and Metachert units, and undifferentiated schists and gneisses.

North of Boucher Creek and Sixtymile River, the main rock unit is the "Nasina Quartzite" - dark grey to black graphitic and micaceous quartzite with interfoliations of graphitic biotite-muscovite schist, and locally thick lenses of grey marble. The unit, believed to be of Pennsylvanian to Permian age, and represents clastic sediments metamorphosed to the Greenschist

facies, possibly in Triassic time. (Hilker, 1981).

In the vicinity of Crag Mountain, the metasediments adjoin a large area of granodiorite to quartz monzonite orthogneiss, mapped as the "Kelly Gneiss", or equivalents, and described by Templeman Kluit as the "Fiftymile Batholith". Gneissosity strikes east-west to northwest, with moderate northward dip of foliation.

Leucocratic sills up to 10 meters thick make up a significant proportion of the rock, and examination of Map 18-1963 and aeromagnetic maps indicates that several true intrusive centers may be present.

Biotite from the Fiftymile Batholith gave a potassium-argon age of 97.6 Million years, interpreted by Templeman-Kluit as time of cooling following metamorphism, but possibly indicating age of intrusion of porphyritic stocks in the area.

ADJACENT MINERAL SHOWINGS:

Placer Gold:

The nearest economic mineral deposits are the placer workings on Sixtymile River, operated by the Brisebois family, and a separate operation funded by Granges Exploration Ltd. On Miller Creek, across the Sixtymile valley to the north, considerable gold has been produced by a number of operators, including Walter Yaremciw, O. Medby, Territorial Gold Placers, and others.

Placer gold has also been produced on Glacier Creek, Moose Creek, Bedrock Creek, Glacier Creek, Little Gold, Big Gold, Matson Creek, Ten Mile Creek, and Twelve Mile Creek.

It is estimated that total production of placer gold from the Sixtymile area from 1892 to 1965 has been 234,314 ounces.

Hardrock Mineral Properties:

Miller Creek: In 1948, silver-lead mineralization was found on the Sixtymile River, below Miller Creek, and selected material assayed 75.1% lead and 21.8 ounces silver.

In 1955, 20 claims were staked over a silver-lead prospect on Miller Creek. Traces of silver lead mineralization had been known in this area for many years. Since 1955, cinnabar and scheelite have been recovered from placer workings on the creek, and study of placer gold from the creek indicates that source of the gold may be epithermal, associated with relatively young clay-silica alteration zones.

Galena mineralization in place is also reported from the headwaters of Miller Creek.

In 1957, 40 claims were staked on Miller Creek on what was thought to be a nickel prospect. These claims expired in 1958.

Per: A Silver-lead-zinc-gold showing on the Sixtymile River opposite Miller Creek is a vein from several inches to 2.5 feet wide has been traced for 200 feet. The best assay was 26.4 % Lead, 4.7 % Zinc, 12.5 oz/ton Silver and 0.04 oz/ton gold over 2.5 feet. (Paper 73-41, p 75.). Cinnabar was found in sluice concentrates in this area. This is the prospect being explored by Noranda.

Judy Claims: The Judy claims near Sixtymile River cover a portion of the original Connaught Mines property which was allowed to lapse in 1974. The ground was restaked by J.Lerner as the Judy 1-17 claims, and in 1981 the claims were purchased by Loughheed Resources Inc.

Enchantment Creek: Templeman-Kluit reports galena float at the head of Enchantment Creek, in an area where stream sediments are anomalous in lead. (Paper 73-41, p.73).

Mt.Hart Area: on a ridge 1.7 miles south of Mt.Hart, east of the Pra and Har groups, visible gold was noted in a basal conglomerate unit by D.Tempelmann-Kluit in 1973. Exploration in 1973 by Silver Standard Mines Ltd. failed to develop any significant showings.

Santa: The first tributary of Matson Creek, southwest of Borden Creek has a silver-bearing galena showing in a quartz vein several feet wide, cutting Klondyke Schist.

Ladue River Area: In the Ladue River area, a short distance south of Crag Mountain, regional geochemical surveys by Canadian Occidental Ltd. in 1970 led to the staking of Lad 1-36 claims in 1971. Exploration of gossanous areas indicated porphyry style pyrite-pyrrhotite mineralization associated with felsic plugs and dykes. Later, uranium geochemistry led to the staking of additional targets in the area.

Little Twelvemile River: The Klondike Exploration Syndicate staked 19 claims in 1951 on a silver-lead-zinc showing in the Little Twelvemile River area; Twelvemile River, downstream from Dawson, is also known as Chandindu River.

Moosehorn Range: In the Moose Horn Range in the Ladue River Area, in mapsheet 115 N-2, north of the Alaska Highway, (Lat 63 N/ Long 140 55 W.), Claymore Resources and Great Bear Mining Co. staked showings previously discovered by Quintana Minerals Ltd in 1970.

Visible gold occurs in quartz veins bearing galena, sphalerite, boulangerite, and arsenopyrite. Narrow quartz veins up to 50 cm wide contain coarse crystals, lenses and streaky bands of sulphides. (Morin, 1977). The veins cut granodiorite, and have narrow alteration zones with sericite, quartz, carbonate, magnetite, and arsenopyrite. Drilling produced narrow, high-grade intersections of up to 7.49 oz/ton gold and up to 12.4 oz/ton silver in 3 inch to 6 inch veins. Later drilling produced lower grades over wider zones (up to 0.15 oz/ton over 4 feet).

In adjacent drainages economic concentrations of coarse placer gold is present in residual material and shallow gravels. Production in 1976 was 1,895 oz. of raw gold (about 700 fine) and 40 oz of jewelry gold.

PROPERTY HISTORY AND GEOLOGY:

The Kelan property is that described by Templeman Kluit, (1974); a chalcopyrite bearing epidote-magnetite skarn is reported to be 50 feet wide and 500 feet long. The skarn is at the contact of marble and a Cretaceous monzonite stock. Location is 63 55 N Lat/ 140 35 W.Long., and appears to coincide exactly with the magnetite occurrence mapped on the Kelan grid by H.Keyser.

The Kelan claims cover the eastern part of the former Lou 1-4, Ben 51-54, Con 152 and 153, and Brushy Buck claims, explored by Connaught Mines Ltd. in 1968 and 1969, and Moly Ore Mines Ltd. in 1969, as part of the "Mosquito Creek" property.

Claims were staked in the area in the early 1960's as a result of a regional exploration program by Canex Exploration Ltd. A brief history of the Connaught Mines property to 1970 is provided by Craig and Laporte, (1972) and is not reproduced here.

Scattered trenching was done by Connaught Mines and Moly Ore Mines Ltd., after widely-spaced grid soil sampling by Archer Cathro and Associates indicated broad copper and lead anomalies. (Other elements, except Mo, were not analyzed).

Most of the efforts by Connaught Mines in the area were concentrated on the No. 6 vein, exposed in trenches on the claims immediately east of the Kelan Claims, and as the 1969 geology map shows, (Figure ..), the easternmost trench is on the Kelan claim boundary.

Geology of the area covered by the Kelan property is described by Craig and Laporte as follows:

"The geology of the eastern part of the property is quite complex with remnants of minor rock units; quartzite, limestone and skarns of the Nasina Series (op. cit.) occurring within and along the contact of biotite-rich gneisses with Cretaceous granitic intrusions.

1969 Exploration Results are further described by Craig and Laporte as follows:

"The geochemical surveys consisted of a regional stream silt survey and soil surveys over three grids. The stream sediment sampling survey outlined a number of lead, copper and molybdenum anomalies which were then staked as the Con claims.

"The survey also outlined a large copper anomaly, about 4000 feet by 6000 feet, near the center of the grid. Three molybdenum anomalies occur within and slightly to the west of the copper anomalies. Float mapping of the area indicated that the anomalies correspond to a quartz and magnetite rich phase of a highly jointed granitic stock 3 miles in diameter." (NOTE: Some of these anomalies are situated on the Fra claims belonging to Kelar, Resour)

"The geochemical work on the eastern grid outlined several lead anomalies trending east across the southern part of the grid. Trenches were cut across these anomalies and uncovered galena-tetrahedrite-barite veins, samples of which assayed:

WIDTH:	SILVER (OZ/T)	LEAD %	GOLD (OZ/T)
2.0	64.7	62.00	0.005
4.0	166.2	52.5	0.12
0.9	29.1	38.7	0.08
3.3	32.6	24.2	0.04

(NOTE: These anomalies and samples are from the Kelan claims and adjacent trenches).

1987 EXPLORATION PROGRAM:

In 1987 the property came open and was staked by Walhalla Explorations Ltd. The claims were optioned to Croesus Resources Inc. The Pra 45-57, and Pra 59,61,63,65, and 67 claims were then farmed out to Darrel Krell, from whom the claims were acquired by Kelan Resources under an option agreement which will allow Kelan to earn 50 % interest in the property by expending \$150,000.00.

Aurum geological Consultants Inc. was hired by the claim holders to do a comprehensive exploration program on the entire "Golden Crag" property. Kelan Resources Inc. paid their pro rata share of camp and exploration costs, which amounted to \$65,552, for work done on the Butler Gulch area claims.

All 1969-72 base maps, trench plans and drill sections were kindly provided by Archer Cathro and Associates.

The program on the Kelan claims was supervised by Harmen Keyser, B.Sc., F.G.A.C. A comfortable camp suitable for up to 10 men was built by Morley Barker, who also supplied labour for line cutting and grid preparation. The baseline extends east-west for 2.4 km. and cross lines 200 meters apart, with short intermediate lines, and stations at 25 meter spacing comprise a total of 20.8 line-kilometers of grid. On the grid a total of 885 soil samples were taken; these were analyzed by Bondar Clegg for 5 elements, Gold, Antimony and Arsenic, using Neutron Activation method, and Lead and Silver, using Acid Dissolution and Atomic Absorption methods. Rock samples were analysed by Fire Assay methods.

A D-8 bulldozer was used for road repairs and maintainance.

DISCUSSION OF RESULTS:

During 1969, a comprehensive silt sampling program in the Sixtymile area and southward to the Ladue area outlined a large multi-element geochemical anomaly centered on the headwaters of Mosquito Creek, Butler Gulch, Boucher Creek, and the north branches of the upper part of Fiftymile Creek. This area was anomalous in copper, molybdenum, silver, and lead, with the Butler Gulch area well-outlined by the samples with greater than 50 ppm lead. A more recent Federal-Territorial regional geochemical survey in the same area has verified this anomaly. Work done by Connaught Mines included considerable soil sampling (11,000 samples), which pinpointed areas in which lead-silver, antimony-arsenic, gold, copper and magnetite mineralization has been found.

During the writers inspection of the property, snow conditions prohibited geological mapping of any rock units. However, little outcrop exists, because of unglaciated terrain and thick soil mantling. As in other parts of the Dawson Range, geological mapping is dependent on plotting distribution of float and felsenmeer. An interpretive geological map from felsenmeer, compiled by Archer Cathro and Associates in 1969 is shown in the following Figure ...

The surveying and gridwork done by Aurum Geological Consultants Inc., under the supervision of Harmen Keyser, B.Sc., Consulting Geologist, outlined the location of the previously explored veins, which had been thoroughly sampled by Cholach, Archer Cathro and others. Vein number 6 occurs in a series of

trenches just out side Kelan's east claim boundary. Numerous other trenches within the Kelan claim are illustrated in Figure 7.

Trenches 1,2,3,4, and 8-17 could not be examined or mapped effectively because of weather (snow) conditions during the work program, but samples taken from Trench No 11 verify the presence of high grade vein faults containing coarse, massive galena. Sampling by Archer Cathro in 1969 for Trench 11 gave 2 feet with 62% lead, 64.7 oz/ton silver, and 0.005 oz/ton gold. Selected samples from Trench 8, in the same area by the writer and Harman Keyser are as follows:

H. Keyser Samples - Kelan Property

SAMPLE	TYPE/LUC.	Pb %	Ag opt	Au opt	As %	Hg ppb.
74401		>3.70	75.83	0.006	0.88	210
74402		>3.95	66.20	0.062	5.40	570
74403		>3.40	151.1	0.041	0.12	1390
74404		>3.30	105.6	0.047	0.028	380
74405		>3.30	72.9	0.029	0.48	280

B. Price Samples - October 1987

SAMPLE	TYPE/LUC.	Pb %	Ag opt	Au opt	As %	Hg ppb.
74415		79.02	70.30	0.008	0.26	400
74419		39.02	31.14	0.088	3.86	2100
74420		72.44	73.09	0.006	0.03	1000

Samples taken from float and dumps in the same area were:

SAMPLE	TYPE/LUC.	Pb %	Ag opt	Au opt	As %	Hg ppb.
74408		0.016	0.03	<0.001	0.002	10
74409		0.65	0.13	<0.003	0.0096	20

A massive magnetite outcrop on the ridge east of the trenched area has been described by Templeman Kluit and others. The magnetite is within a dark green pyroxene or diopside skarn with minor pyrrhotite and chalcopyrite. Soil samples in the area are strongly anomalous in gold. A sample taken by the writer has anomalous silver:

SAMPLE	TYPE/LOC.	Pb %	Ag opt	Au opt	As %	Hg ppb.
74416		0.59	0.61	<0.002	0.01	10

A similar sample taken by Keyser had comparable results:

SAMPLE	TYPE/LOC.	Pb %	Ag opt	Au opt	As %	Hg ppb.
74406		0.36	0.44	<0.001	0.0044	30
74410		0.0043	<0.01	<0.003	0.0064	<10

A duplicate soil sample from the site with very anomalous gold in soil (9,090 ppb) gave the following results:

SAMPLE	TYPE/LOC.	Pb %	Ag opt	Au opt	As %	Hg ppb.
GC 1		0.19	0.68	0.017 =(583 ppb)	0.056	30

Clearly there is a trenching target at this locality to investigate the source of the gold. Previous exploration in the area outlined a number of soil copper anomalies, and there may be a copper-gold rich portion of the skarn which could represent a worthwhile drill-target.

Many other trenches in the area need to be cleaned out prior to re-mapping and sampling, and this combined with a magnetometer survey, will help outline potential porphyry or skarn type occurrences.

Geochemical Surveys:

The geochemical soil survey results are shown in the accompanying Figures 9 to 11. As would be expected, the high grade veins in the unglaciated terrain give rise to large soil anomalies of high magnitude for most elements. Lead, antimony and arsenic have the best response, while silver has small but strong anomalies, and gold has one strong anomaly with values from 48 to 9090 ppb.

The accompanying Table IV illustrates geochemical parameters as calculated and plotted by the computer:

TABLE IV
Geochemical Parameters - Kelan Property

ELEMENT	BACKGROUND	PEAK	ANOM BG + SD	VERY ANOM. BG + 2 SD
Lead	<35 ppm	3450 ppm	>110 ppm	>450 ppm
Arsenic	<19 ppm	1200 ppm	> 78 ppm	>275 ppm
Antimony	<1.3 ppm	44.8 ppm	>1.7 ppm	>7.0 ppm
Silver	<0.4 ppm	13 ppm	>0.95 ppm	>3.5 ppm
Gold	<5.0 ppb *	9090 ppb	>13 ppb	>30 ppb

* = Detection Limit.

The soil sampling grid covers an area previously explored by shallow trenches and pits along an access road through the central and northeast parts of the property.

An area of strong geochemical response approximately 300 meters wide and 2400 meters long, which follows the base line in the western part of the property and the access road in the eastern part is outlined best by the Lead anomaly, contoured at the 100 ppm level, as seen in the accompanying Figure ... A

strong lead anomaly also occurs in the northwest part of the property from lines 104E to 108E near the north claim boundary.

The pattern suggests that more than one strong vein faults comparable to the No.6 vein are present in several areas of the property.

The pattern for Arsenic is similar to that of lead, but with diminished values in the central part of the baseline. Two strong anomalies are present in the southern part of the claims, on lines 114E-116E and at 122E. One of these anomalies correlates well with lead. Overburden is expected to be deeper here, and the anomalies may represent a significant vein.

The pattern for Silver results is similar to lead. The strongest anomalies are centered on the baseline at 106E and 116E, and at 106E/5-6N.

Antimony results correlate imperfectly with arsenic, and several isolated Antimony anomalies are present. Stibnite was seen in the No.6 vein and areas with >3.0 ppm Antimony probably result from similar stibnite-bearing veins below the residual cover.

The pattern for Gold dispersion has one very strong anomaly, (up to 9090 ppb = 0.27 oz/ton) on lines 112E and 113E near the access road and near the magnetite skarn occurrence. Additional repeat sampling and intermediate soil lines are suggested in this locality to verify or extend this prime trenching target. Other scattered weak to moderately anomalous gold results occur.

Overall, the patterns appear to reflect the continuation of vein No.6 on to the Kelan claims, and the presence of several

similar subparallel veins.

Detailed backhoe or cat trenching on the geochemical targets may lead to worthwhile vein structures that could be drilled later in the 1988 exploration season.

DISCUSSION:

Work on the Kelan property has outlined a zone 300 meters wide and 2400 meters long along the ridge crest which has a number of polymetallic (Pb,Ag,As,Sb) soil geochemical anomalies probably associated with two-stage galena-arsenopyrite-stibnite veins, and one strong gold geochemical anomaly associated with a magnetite skarn outcropping.

Examination of the "No.6 vein" just east of the Kelan property boundary revealed a vein-fault with significant lead-silver and antimony values. A review of assays taken by Archer Cathro and Associates in 1969 from this occurrence indicates a 240 foot section averaging 6 feet wide with 5.67 % lead, 12.9 oz/ton silver and 0.011 oz/ton gold. The zone trends westward toward the Kelan claim area and extension of the zone on to the property is suggested by the strong Pb-As-Sb soil geochemistry on the property.

Elsewhere in the Sixtymile area, several other potential hand cobbing lead-silver veins are present. One such vein, on Red Fox Minerals Ltd. property, west of the Kelan property has a 500 foot length and 2.8 width, which, undiluted, has a grade of 13.4 % lead, 26.13 oz/ton silver, and 0.028 oz/ton gold. (Price, 1987). Geological setting of this vein is identical to mineralized veins on the Kelan property.

Geological targets that should be explored thus include:

- 1) High grade lead-silver-gold veins with potential for small to moderate "High-gradeable (hand cobbing) production.
- 2) Copper-gold porphyry mineralization; or
- 3) Copper-gold skarns.

Other silver-rich deposits in the Yukon are discussed in the following section.

COMPARISON WITH OTHER SILVER CAMPS:

Keno Hill, Y.T.:

The most prominent silver mining camp in the Yukon is the Keno Hill area, in which mining has been going on since 1916. Veins in vertical northeast trending faults occur mainly in competent Keno Hill Quartzite of probable Early Cretaceous age. Mineralization is in two stages; the early stage has pyrite, arsenopyrite and quartz, followed by movement and later mineralization of sphalerite, galena, silver-rich tetrahedrite and ruby silver +/- wire silver. Veins are zoned with respect to metal ratios, and lateral zonation of mineralogy of veins in the camp occurs. (Watson, 1986, and Franzen, 1986).

Total production from the camp from 1913 to 1986 has been 4.54 million tonnes (5 million tons) averaging 6.84 % lead, 4.60 % zinc, and 1412 g/t (41.20 oz/ton) silver. Total silver production of silver has been 6.4 billion grams (206 million ounces) worth (at \$8.50/oz) \$1.75 billion.

A small highgrading operation was undertaken in 1983 in the Keno Hill camp by Archer Cathro and Associates.

Open pit mining has been carried out on high grade surface veins since 1977. Most of the open pits have produced 9,000 to 18,000 tonnes, but the Birmingham pit produced 160,000 tonnes of

ore. Waste is stripped off and then the ore is selectively mined with a bulldozer. The use of a backhoe permits excavation an additional 25 feet below pit floors, adding to the surface mineable reserves. (Watson, 1986).

The Kelan property has structural similarities with the Keno Hill area, both being vein type deposits in sheared or cataclastic terrains. Mineralization at Kelan's property is multiple stage, with an early quartz-arsenopyrite component and later silver-base metal sulphides. Little or no zinc is present in the veins near Butler Gulch, in comparison with average 4.6 % at Keno Hill.

The Kelan veins have not been sufficiently explored for any further comparison, but the mineralogical and structural similarity is intriguing.

Plata Inca Veins:

The Plata property, situated 160 km north of Ross River in the north-central Yukon, has been highgraded (hand cobbled, selective mining), in 1976 and from 1983 to 1986.

A large number of veins occur in two main clusters, the Plata and the Inca areas. Most veins contain galena, sphalerite, and tetrahedrite in a gangue of quartz, minor barite, and calcite. Arsenopyrite and pyrite are present in the Plata No 3 and 4 veins, which contain also boulangerite and gold. Silver-Lead ratios average from 1.61 oz Ag/% Pb to 4 oz Ag/% Pb.

Veins occur in a variety of sedimentary rocks, from Lower Cambrian clastics to Devonian Earn Group. They may be related to buried Cretaceous intrusions. (Abbott, 1986)

Production has been as follows:

TABLE IV

Plata-Inca Property Production

YEAR:	Tonnes	PB %	AG g/t	Ag opt.
1976	90	70 %	7,314 g/t	(213 oz/ton)
1983	599	62.5	4,251 g/t	(124 oz/ton)
1984	1,270	60 %	4,241 g/t	(124 oz/ton)
1985	816	72 %	3,995 g/t	(116.5 oz/ton)
1986	200	?	5,987 g/t	(174.6 oz/ton)
TOTAL	2,975	>1,787 t	13,048,099G	380,577.65 OZ (Actual recovery unknown)

Ore was excavated from surface pits, hand sorted, flown by helicopter to an airstrip 10 km south, flown by fixed wing aircraft to the Canol road, 100 to 160 km away, and trucked to Montana, or to Vancouver for trans-shipment to France. Operating profit in 1985 was \$440,000. (\$346.46 per ton shipped). (Abbott, 1986)

Comparison with the Kelan property is instructive because it illustrates that small highgrading operations in remote areas can be profitable. Delineation of "geologic reserves" at the Kelan property, (which is road accessible), by careful trench sampling is worthwhile even at this preliminary stage of exploration.

CONCLUSIONS:

The lead-silver veins occurring on the property are similar to those that have been high-graded in other parts of the Yukon that are even more isolated. A relatively small amount of additional exploration could result in small tonnages of moderate to high grade hand cobbing material that could be profitably shipped.

The property is worthy of additional exploration efforts toward this goal. Encouragement at the surface and in initial shallow drilling may result, after review of economics, in the decision to trace the veins to greater depth.

The area with strong gold geochemistry should be sampled in detail, trenched, and subject to sampling results, drilled. Gold bearing skarns are being systematically explored in other parts of the Cordillera; the best example is the highly productive Hedley area in B.C.

RECOMMENDATIONS:

1. Prepare topographic basemaps on a scale of 1:5,000 or less, on which geologic, geochemical and geophysical data can be accurately plotted.
2. Survey and replot trenches. Clean out old trenches and re-sample, early in the forthcoming season.
3. Extend the grid with intermediate soil lines in areas with isolated geochemical anomalies.
4. Test VLF or deeper penetrating EM methods, on orientation lines over the most important veins. This may enable veins and faults to be traced with more certainty in overburden covered areas.
5. Check the extent of magnetite skarn by detailed ground magnetic surveys. Sample with fill in soil lines and trenches.
6. Prepare air-photo blowups for the area.
7. Survey in additional old claim posts and grid markers where possible.
8. Bulldozer or backhoe trenching in areas of geochemical anomalies that have not been fully explained yet.
9. Continue geological mapping to help understand controls on mineralization and locate favorable structures.
10. Drill shallow reverse circulation or diamond drill holes on the best veins, making certain that all such drillholes are well marked and surveyed in to known geographic markers.

11. Investigate in detail the theory that gold values occur in altered wall rock. Check out the possibility of large, low grade gold tonnages being present in footwall or hangingwall stockworks, or associated with copper porphyries, as is the case elsewhere in the Dawson Range.

A tentative exploration budget is outlined on the following page.

TABLE IV

SUGGESTED 1988 EXPLORATION BUDGET:PHASE I: (May-August 1988):

Base maps, airphoto blowups, drafting	1,000.00
Geology, Supervision, Reports; 25 days @ \$350/day	8,750.00
Geol. Assistants, Labourers; 4 x 30 days x \$175	21,000.00
Cook. 30 days x \$125/day	3,750.00
Camp Costs, Food, Fuel 6 men x \$40 x 30 days	7,200.00
Mobilization, Transportation, Vehicles	5,000.00
Cat Rental, 50 hrs x \$200/hr, all inclusive.	10,000.00
Soil and Rock analyses	6,000.00
Misc Rentals	3,000.00
Diamond Drilling, 750 ft x \$45/ft all incl	33,750.00
Contingency	5,550.00
	=====
TOTAL PHASE I	\$105,000.00

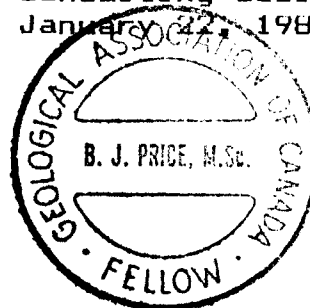
PHASE II: (Contingent on Phase I results)

Diamond Drilling, 2,000 ft x \$45/ft all incl.	\$90,000.00
Geology, Supervision, Reports; 30 days @ \$350/day	10,500.00
Geol. Assist, Cook. 2 x 30 x \$175/day	10,500.00
Camp Costs, Food, Fuel 6 men x \$40 x 30 days	7,200.00
Mobilization, Transportation, Vehicles	7,500.00
Cat Rental, 25 hrs x \$200/hr, all inclusive.	5,000.00
Rock sampling, 200 x \$25	5,000.00
Contingency	14,300.00
	=====
TOTAL STAGE II	\$150,000.00

respectfully submitted



Barry Price, M.Sc., FGAC.
 Consulting Geologist.
 January 27, 1988.



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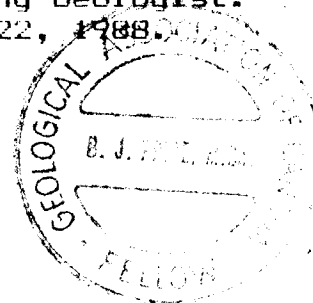
CERTIFICATE

I, Barry J. Price, with business address at 3447 W. 7th Avenue, Vancouver, B.C. do hereby certify that:

- 1) I am a Consulting Geologist registered with the Geological Association of Canada as a Fellow and I am entitled to use their seal, which has been affixed to this report. I am a member of the Canadian Institute of Mining, the Society of Exploration Geologists, and several other professional organizations.
- 2) I hold a B.Sc. (Honors) Degree in Geology (1965) and a M.Sc. in Geology (1972), both from the University of British Columbia., Vancouver, B.C.
- 3) I have practised my profession as a geologist continuously since 1965, having worked in Canada, The United States of America, Mexico, and the Republic of the Phillipines, for a number of large and small companies and consulting firms, including Manex Mining Ltd., J.R. Woodcock and Associates, Archer Cathro and Associates and P.A. Christopher and Associates.
- 4) I have based this report on available geological data and a field examination of the subject property and a literature review of adjacent properties and mineral deposits, and on my personal knowledge of the area.
- 5) I have no interest in the claims described in the report nor in the securities of Kelan Resources Inc., and will receive only normal consulting fees for the preparation of this report.
- 6) I do not have any interest in any mineral claims within 100 km. of the subject property. I have 2,000 shares of Croesus Resources Inc., joint-venture partners of Kelan Resources Inc., and owners of adjacent claim blocks. These shares were purchased during the primary issue, before the commissioning of this report.
- 7) I consent to the use of this report by Kelan Resources Inc. for the purposes of a Prospectus, Statement of Material Facts, or for any other corporate purpose.

Barry Price

Barry James Price, M.Sc.
Consulting Geologist.
January 22, 1988



LETTER OF RELEASE

3447 West 7th Avenue
Vancouver, B.C.,
V6R 1W2

KELAN RESOURCES INC.,
600 - 890 West Fender St.,
Vancouver, B.C.
V6C 1J9.

Gentlemen,

This letter authorizes you to use my report, dated November 22, 1987, on the Pra 45-56 and Pra 57,59,61,63,65 and 67 claims near Sixtymile River in the Dawson Mining District, Yukon Territory in any prospectus, Statement of Material Facts, or filing statement, or for any other purpose, subject to keeping excerpts from the report in context.

yours sincerely,

Rapitan Resources Inc.

per: *Barry Price*
Barry J. Price, M.Sc., FGAC.
Consulting Geologist,
January 22, 1988



APPENDIX I

SAMPLE ANALYSES

Kelan Property, Dawson Mining District.

ROCK SAMPLES - KELAN PROPERTIES

Harmen Keyser Samples - July 1987

(CDN Resource Labs)

SAMPLE	TYPE/LOC.	Pb %	Ag opt	Au opt	As %	Hg ppb.
74401	Select	>3.70	75.83	0.006	0.88	210
74402	Select	>3.95	66.20	0.062	5.40	570
74403	Select	>3.40	151.1	0.041	0.12	1390
74404	Select	>3.30	105.6	0.047	0.028	380
74405	Select	>3.30	72.9	0.029	0.48	280
74406	Grab	0.36	0.44	<0.001	0.0044	30
74407	"	0.16	0.31	<0.001	0.0860	10
74408	"	0.016	0.03	<0.001	0.002	10
74409	"	0.65	0.13	<0.003	0.0096	20
74410	"	0.0043	<0.01	<0.003	0.0064	<10
74411	"	0.0102	<0.01	<0.001	0.0028	130
74412	"	0.0064	<0.01	<0.001	0.0016	50
GC 1 (SOIL)		0.19	0.68	0.017	0.056	30

B.Price Samples - October 1987

Kelan Properties

(Bondar Clegg Laboratories)

SAMPLE	TYPE/LOC.	Pb %	Ag opt	Au opt	As %	Hg ppb.
74415	Select	79.02	70.30	0.008	0.26	400
74416	Grab	0.59	0.61	<0.002	0.01	10
74418	Select	18.10	32.42	0.080	3.08	1300
74419	"	39.02	31.14	0.088	3.86	2100
74420	"	72.44	73.09	0.006	0.03	1000
74421	Grab	1.49	0.82	0.005	2.04	10
74422	Grab	1.06	3.31	0.049	2.97	25

ROCK SAMPLE DESCRIPTIONS

B.Price Samples- Kelan Pra Claims

<u>SAMPLE</u>	<u>DESCRIPTION</u>
74415	Trench No.8., 2-3 inches of massive coarse galena. Vein trends roughly 036 degrees. Wallrock of dark grey biotite gneiss. Hornfelsed with bleached light green patches - sericite. Site of H.Keysers previous sample # 74401.
74416	Magnetite outcrop, possible shallow adit. Random chips of magnetite with serpentine and clay.
74417	Several pieces of solid galena. Possible location of sample 74403.
74418	East end of Kelan property. Grab sample of oxidized stibnite and pyrite mineralization. Strong yellow antimony oxide stain. Location of "Vein No 8 - Connaught".
74419	Grab sample of galena from same trench as Sample No. 74418. Seevral pieces of massive coarse galena.
74420	Selected pieces of coarse galena from side of trench # 8. Location of Sample No. 74415.

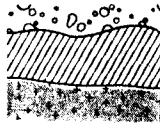
H.KEYSER ROCK SAMPLE DESCRIPTIONS
Kelian Resources Ltd - Pra Claims

<u>SAMPLE</u>	<u>DESCRIPTION</u>
74401	Selected samples of galena rubble from trench of vein No.8.
74402	Selected samples of galena rubble from trench of vein No.8.
74403	Selected samples of galena rubble from trench of vein No.8.
74404	Selected samples of galena rubble from trench of vein No.8. 50 meters north of Post #1, Tag.76542
74405	Selected samples of galena rubble from trench of vein No.8. 50 meters north of Post #1, Tag.76542
74406	Skarn Zone, Iron and Manganese stained quartz,sulphide breccia. Sulphides are pyrite or galena in well developed cubes to 1 cm wide of limonite and clay. Abundant magnetite rubble in area.
74407	Same location. Rusty vuggy quartz float with well developed crystal terminations.
74408	Quartz-pyrite breccia from same trench as 74406 and 74407.
74409	Rusty vuggy quartz from dump area of old exploration pits. 30 meters south of 74406-74408.
74410	Massive magnetite from old pits.
74411	Calcite-quartz rubble from road cut close to 74406.

APPENDIX II

ROCK ASSAYS - ANALYTICAL SHEETS

Bondar-Clegg & Company Ltd.
330 Perimeter Ave.
North Vancouver, B.C.
Canada V7P 2R5
Phone: (604) 985-0681
Telex: 04-352667



BONDAR-CLEGG

**Geochemical
Lab Report**

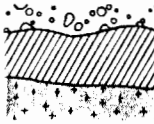
REPORT: 127-8021

PROJECT: 698

PAGE: 1

SAMPLE MEMBER	ELEMENT UNITS	# PPM	Ug PPM
R2 #74414		3	50
R2 #74415		3	440
R2 #74416		3	10
R2 #74418		3	1300
R2 #74419		3	2100
R2 #74420		2	1000
R2 #74421		3	10
R2 #74422		3	25
R2 GC-10		2	40

Bondar-Clegg & Company Ltd.
 130 Pemberton Ave.
 North Vancouver, B.C.
 Canada V7P 2R5
 Phone: (604) 985-0681
 Telex: 04-352667



BONDAR-CLEGG

**Certificate
 of Analysis**

REPORT: 427-8091

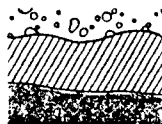
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PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Au	Ag	Pb	Zn	Sb	As
		OPI	OPI	PCI	PCI	PCI	PCI
R2 #74414		<0.002	0.87	0.28	0.02	0.02	0.25
R2 #74415		0.008	79.02	70.30	0.07	0.44	0.26
R2 #74416		<0.002	0.61	0.59	0.06	0.03	0.01
R2 #74418		0.080	32.42	18.10	0.15	0.22	3.08
R2 #74419		0.088	31.14	39.02	0.01	0.21	3.86
R2 #74420		0.006	73.09	72.44	0.02	0.52	0.03
R2 #74421		0.005	0.82	1.49	0.01	0.04	2.04
R2 #74422		0.049	3.31	1.05	<0.02	0.04	2.97
R2 GC-1A		0.007	0.18	0.17	0.99	0.03	0.03

Charles J. Clegg

APPENDIX III - SOIL GEOCHEMICAL ANALYSES

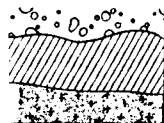


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PAGE 2

SAMPLE NUMBER	ELEMENT UNITS	Au PPB	As PPM	Sb PPM	Pb PPM	Ag PPM
S1 L107E 300S		8	15	1.2	62	0.1
S1 L107E 275S		10	15	1.1	69	0.2
S1 L107E 250S		<5	9	0.9	37	0.4
S1 L107E 225S		<5	13	1.3	54	0.4
S1 L107E 200S		<5	16	1.2	66	0.1
S1 L107E 175S		<5	4	0.7	7	0.1
S1 L107E 150S		<5	10	1.2	80	0.2
S1 L107E 125S		<5	14	1.1	79	0.1
S1 L107E 100S		<5	45	2.5	130	0.5
S1 L107E 075S		9	441	4.6	300	1.2
S1 L107E 050S		<5	123	2.2	106	0.3
S1 L107E 025S		<5	203	2.4	166	0.4
S1 L107E BLO		12	319	4.0	265	1.1
S1 L107E 025N		<5	126	3.3	171	0.5
S1 L107E 050N		9	156	4.4	380	3.8
S1 L107E 075N		<5	26	1.2	36	0.1
S1 L107E 100N		<5	57	1.0	78	0.4
S1 L109E 350S		8	16	1.5	34	0.2
S1 L109E 325S		<5	19	1.1	31	0.2
S1 L109E 300S		<5	16	1.3	38	0.1
S1 L109E 275S		<5	18	1.7	108	0.6
S1 L109E 250S		9	12	1.3	42	0.4
S1 L109E 225S		<5	20	1.8	71	0.5
S1 L109E 200S		<5	17	1.5	56	0.6
S1 L109E 175S		<5	4	0.6	5	0.1
S1 L109E 150S		<5	24	1.5	65	0.2
S1 L109E 125S		11	69	3.5	142	0.4
S1 L109E 100S		<5	46	2.0	44	0.1
S1 L109E 075S		11	12	1.0	18	0.1
S1 L109E 050S		<5	26	1.5	22	0.1
S1 L109E 025S		8	41	1.6	68	0.1
S1 L109E BLO		7	36	1.2	67	0.2
S1 L109E 025N		<5	51	1.2	74	0.5
S1 L109E 050N		7	47	1.2	102	0.4
S1 L111E 400S		13	13	1.2	28	0.1
S1 L111E 375S		<5	14	1.3	59	0.3
S1 L111E 350S		10	15	1.7	50	0.4
S1 L111E 325S		9	23	2.4	87	0.6
S1 L111E 300S		12	24	1.3	60	0.4
S1 L111E 275S		<5	29	1.1	49	0.2



REPORT: 127-8658

PROJECT: CROESUS

PAGE 3

SAMPLE NUMBER	ELEMENT UNITS	Au PFB	As PPM	Sb PPM	Pb PPM	Ag PPM
SI L111E 250S		<5	19	1.2	32	0.1
SI L111E 225S		<5	5	0.7	7	0.2
SI L111E 200S		<5	13	1.0	16	0.1
SI L111E 175S		<5	17	1.3	24	0.1
SI L111E 150S		<5	34	1.2	14	0.1
SI L111E 125S		<5	35	1.6	15	0.1
SI L111E 100S		6	19	1.6	34	0.2
SI L111E 075S		<5	15	1.4	56	0.4
SI L111E 050S		<5	20	2.1	70	0.4
SI L111E 025S		<5	18	1.6	65	0.6
SI L113E BLO		5	21	1.4	80	0.2
SI L113E 400S		5	10	1.0	25	0.2
SI L113E 375S		<5	9	1.1	34	0.3
SI L113E 350S		8	9	0.9	20	0.3
SI L113E 325S		<5	9	1.1	16	0.1
SI L113E 300S		<5	5	0.7	13	0.3
SI L113E 275S		21	17	1.3	22	0.2
SI L113E 250S		13	9	1.0	23	0.2
SI L113E 225S		<5	15	1.4	32	0.1
SI L113E 200S		<5	16	1.6	47	0.2
SI L113E 175S		160	44	2.7	31	0.4
SI L113E 150S		130	74	3.2	46	0.7
SI L113E 125S		100	55	3.8	25	0.1
SI L113E 100S		<5	11	0.8	14	0.2
SI L113E 075S		13	65	2.3	44	0.2
SI L113E 050S		5	12	1.0	14	0.2
SI L113E 025S		8	20	1.1	71	0.1
SI L113E BLO		<5	25	1.4	37	0.1
SI L115E 300S		6	11	1.1	22	<0.1
SI L115E 275S		15	15	1.2	29	<0.1
SI L115E 250S		17	27	1.4	42	0.2
SI L115E 225S		13	23	1.2	61	0.5
SI L115E 200S		5	14	1.2	54	0.5
SI L115E 175S		10	19	1.9	89	0.3
SI L115E 150S		<5	12	1.3	51	0.2
SI L115E 125S		9	13	1.3	46	0.2
SI L115E 100S		<5	13	1.0	33	0.1
SI L115E 075S		<5	25	1.4	51	0.2
SI L115E 050S		10	111	4.7	305	2.4
SI L115E 025S		<5	12	1.2	31	0.2

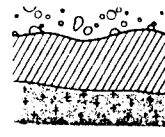


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SAMPLE NUMBER	ELEMENT UNITS	Au PPB	As PPM	Sb PPM	Pb PPM	Ag PPM
S1 L115E BLO		6	10	1.1	38	0.3
S1 L115E 025N		10	150	10.0	1300	5.6
S1 L115E 050N		13	62	3.6	230	2.0
S1 L115E 075N		12	19	1.4	54	0.6
S1 L115E 100N		<5	17	1.2	47	0.3
S1 L117E 200S		<5	9	0.8	24	0.2
S1 L117E 175S		<5	8	0.9	26	0.3
S1 L117E 150S		<5	12	1.1	34	0.3
S1 L117E 125S		8	17	1.2	40	0.4
S1 L117E 100S		5	13	1.0	44	0.3
S1 L117E 075S		9	28	1.3	92	1.3
S1 L117E 050S		18	195	24.8	995	10.0
S1 L117E 025S		8	83	4.5	225	1.7
S1 L117E BLO		<5	72	2.9	275	1.5
S1 L117E 025N		<5	66	4.8	285	2.1
S1 L117E 050N		7	48	3.1	315	2.8
S1 L117E 075N		6	18	1.7	67	0.7
S1 L117E 100N		7	12	1.0	57	0.4
S1 L117E 125N		<5	18	1.2	87	0.3
S1 L117E 150N		<5	42	4.5	525	0.6
S1 L117E 175N		<5	34	2.0	92	0.2
S1 L117E 200N		<5	37	2.2	230	0.6
S1 L119E BLO		<5	87	1.3	52	0.1
S1 L119E 025N		<5	37	1.5	75	0.2
S1 L119E 050N		11	105	1.5	240	0.7
S1 L119E 075N		<5	18	0.9	53	0.1
S1 L119E 100N		<5	18	1.1	113	0.1
S1 L119E 125N		6	17	1.3	22	0.2
S1 L119E 150N		<5	20	1.0	61	0.2
S1 L119E 175N		9	112	1.8	265	0.4
S1 L119E 200N		<5	72	2.2	61	0.5
S1 L119E 225N		<5	104	1.5	183	0.7
S1 L119E 250N		<5	128	2.1	265	0.4
S1 L119E 275N		<5	143	1.6	260	0.5
S1 L119E 300N		12	191	2.1	230	2.6
S1 L119E 325N		7	88	1.4	160	0.6
S1 L119E 350N		<5	85	1.5	134	0.4
S1 L119E 375N		17	119	1.6	138	2.2
S1 L119E 400N		<5	268	3.9	235	0.7
S1 L121E 100N		7	39	1.1	79	0.1



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SAMPLE NUMBER	ELEMENT UNITS	Au PPB	As PPM	Sb PPM	Pb PPM	Ag PPM
S1 L125E 425N		6	71	1.4	166	0.2
S1 L125E 450N		7	46	1.1	74	0.2
S1 L125E 475N		14	276	2.9	400	0.3
S1 L125E 500N		<5	89	1.2	41	0.3
S1 L125E 525N		<5	24	1.4	27	0.2
S1 L125E 550N		<5	38	1.6	46	0.3
S1 L125E 575N		10	19	1.2	36	0.4
S1 L125E 600N		<5	86	2.2	90	0.6
S1 L125E 625N		<5	8	0.8	14	0.5
S1 L125E 650N		5	24	1.1	37	0.6
S1 L127E 250N		6	31	1.5	72	0.5
S1 L127E 275N		<5	19	1.4	29	0.3
S1 L127E 300N		14	67	1.6	130	0.2
S1 L127E 325N		<5	28	1.0	54	0.5
S1 L127E 350N		14	106	1.9	210	1.2
S1 L127E 375N		8	74	1.7	160	0.4
S1 L127E 400N		17	197	19.0	1150	3.0
S1 L127E 425N		9	60	3.7	175	0.8
S1 L127E 450N		7	25	1.9	74	0.5
S1 L127E 475N		<5	293	3.3	235	2.0
S1 L127E 500N		<5	29	1.3	59	0.2
S1 L127E 525N		13	18	1.0	27	0.2
S1 L127E 550N		7	47	1.5	97	0.2
S1 L127E 575N		<5	54	1.4	121	0.4
S1 L127E 600N		<5	120	3.2	87	0.4
S1 L127E 625N		<5	50	2.3	103	0.5
S1 L127E 650N		<5	64	2.3	90	0.4
S1 RF-1		<5	798	8.5	360	0.7
S1 RF-2		17	3540	8.4	410	1.5
S1 RF-3		23	567	4.8	270	0.3
S1 RF-4		14	82	2.9	25	0.2
S1 RF-5		10	79	3.3	23	0.1
S1 RF-6		<5	194	7.5	210	0.6
S1 RF-7		<5	307	7.7	146	1.4
S1 RF-8		11	216	6.6	161	1.2
S1 RF-9		<5	306	8.1	265	2.2
S1 RF-10		<5	1040	171.0	3750	31.0
S1 RF-11		33	89	11.0	310	0.8
S1 RF-12		13	741	10.0	225	1.1
S1 RF-13		<5	164	3.8	122	0.8

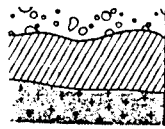


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SAMPLE NUMBER	ELEMENT UNITS	Au PPM	As PPM	Sb PPM	Pb PPM	Ag PPM
S1 RF-14		110	6680	27.6	550	13.0
S1 RF-15		37	2250	27.0	255	4.7
S1 BL0100W		6	111	1.4	215	0.7
S1 BL0150W		8	74	1.2	94	0.7
S1 BL0200W		12	40	1.0	95	1.0
S1 BL0250W		<5	26	0.8	30	0.4
S1 BL0300W		<5	44	0.7	32	0.1
S1 BL0350W		<5	37	1.1	56	0.4
S1 BL0400W		<5	32	1.0	44	0.2
S1 BL0450W		<5	18	0.9	27	0.1
S1 BL0500W		<5	26	0.9	21	0.2
S1 BL0550W		6	23	1.1	38	0.1
S1 BL0600W		<5	13	0.9	17	0.1
S1 BL0650W		<5	10	0.8	19	0.3
S1 BL0700W		<5	13	0.8	19	0.2
S1 BL0750W		<5	6	0.6	5	0.1
S1 BL0800W		<5	11	0.9	22	0.3
S1 BL0850W		11	34	1.0	245	0.1
S1 BL0900W		<5	76	1.5	86	0.4
S1 BL0950W		<5	112	1.9	65	0.3
S1 BL1000W		<5	141	3.9	168	0.4
S1 BL1050W		<5	146	6.4	178	0.6
S1 BL1100W		9	147	4.1	94	0.2
S1 BL1150W		<5	153	6.4	103	0.3
S1 BL1200W		9	207	1.6	104	0.2
S1 BL1250W		<5	77	1.1	32	0.1
S1 BL1300W		7	164	1.9	37	0.1
S1 BL1350W		<5	51	1.7	21	<0.1
S1 BL1400W		<5	22	0.9	10	0.1
S1 BL1450W		8	57	1.5	16	0.1
S1 BL1500W		6	39	0.9	18	0.4
S1 BL1550W		<5	61	1.6	32	0.3
S1 BL1600W		13	73	1.4	29	0.2
S1 BL1650W		9	53	1.1	23	0.2
S1 BL1700W		<5	65	1.2	18	<0.1
S1 BL1750W		<5	75	1.3	15	0.1
S1 BL1800W		10	138	1.7	29	0.1
S1 BL1850W		6	80	1.4	22	0.1
S1 BL1900W		8	210	2.3	88	0.2
S1 BL1950W		<5	100	1.1	24	0.4



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SAMPLE NUMBER	ELEMENT UNITS	Au PPB	As PPM	Sb PPM	Pb PPM	Ag PPM
S1 BL2000W		9	120	1.2	32	0.5
S1 BL2050W		<5	48	1.3	20	0.2
S1 BL2100W		12	70	1.9	30	0.2
S1 BL2150W		11	93	2.2	33	0.2
S1 BL2200W		10	133	2.5	34	0.6
S1 BL2250W		10	109	2.3	31	0.1
S1 BL2300W		<5	62	1.7	18	0.1
S1 BL2350W		10	179	2.8	55	0.4
S1 BL2400W		<5	114	2.5	38	0.1
S1 BL2450W		<5	6	0.7	3	0.2
S1 BL2500W		<5	126	3.0	62	0.4
S1 BL2550W		6	134	3.1	82	0.4
S1 BL2600W		<5	102	2.2	59	0.7
S1 BL2650W		<5	62	2.6	31	0.2
S1 BL2700W		<5	151	4.5	45	0.2
S1 BL2750W		<5	18	1.0	32	0.2
S1 BL2800W		<5	32	1.1	57	0.4
S1 BL2850W		<5	106	3.7	132	0.3
S1 BL2900W		7	121	3.2	141	0.5
S1 BL2950W		13	120	1.7	69	0.8
S1 BL3000W		<5	119	1.6	65	0.8
S1 BL3050W		<5	101	1.4	38	0.4
S1 BL3100W		<5	65	1.5	38	0.4
S1 BL3150W		<5	56	1.0	25	0.2
S1 BL3200W		8	65	1.5	27	0.2
S1 BL3250W		<5	43	0.8	21	0.4
S1 BL3300W		15	101	1.4	33	0.2
S1 BL3350W		6	80	1.6	55	0.6
S1 BL3400W		<5	251	1.8	61	1.0
S1 BL3450W		9	129	1.3	49	0.4
S1 BL5E 000		8	197	1.7	36	0.5
S1 BL5E 050		29	802	5.0	220	3.3
S1 BL6E		17	330	2.7	143	1.4
S1 GS-87-01		<5	82	1.9	48	0.5
S1 GS-87-02		<5	76	2.9	68	0.4
S1 GS-87-03		12	428	40.8	390	4.1
S1 GS-87-04		<5	127	3.1	140	0.9
S1 GS-87-05		6	110	1.8	120	0.9
S1 GS-87-06		6	35	0.8	49	0.2
S1 GS-87-07		<5	42	1.2	39	0.4



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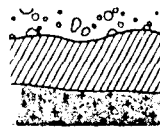
SAMPLE NUMBER	ELEMENT UNITS	Au PPB	As PPM	Sb PPM	Ag PPM	Pb PPM
S1 L96E 1000		8	9	0.9	0.1	55
S1 L96E 1025		12	8	1.5	0.2	18
S1 L96E 1050		8	13	1.4	0.2	48
S1 L96E 1075		11	9	1.1	0.1	13
S1 L96E 1100		<5	11	1.0	<0.1	15
S1 L96E 1125		18	7	1.8	0.3	10
S1 L96E 1150		9	9	2.3	<0.1	17
S1 L96E 1175		8	8	2.1	0.2	21
S1 L96E 1200		8	10	1.6	0.2	18
S1 L96E 1225		20	12	1.0	0.2	13
S1 L96E 1250		7	10	0.9	0.2	13
S1 L96E 1275		<5	10	1.0	0.2	13
S1 L96E 1300		<5	8	1.0	0.1	15
S1 L96E 1325		6	7	1.0	<0.1	25
S1 L96E 1350		<5	10	1.3	0.2	60
S1 L96E 1375		10	8	0.8	<0.1	17
S1 L96E 1400		<5	8	1.4	0.2	14
S1 L96E 1425		15	7	0.8	0.2	15
S1 L96E 1450		<5	10	1.0	0.2	14
S1 L96E 1475		<5	11	1.2	0.2	16
S1 L96E 1500		12	11	1.2	0.2	8
S1 L96E 1525		8	9	1.2	0.1	12
S1 L104E 700S		8	8	1.0	0.1	17
S1 L104E 675S		8	10	0.9	0.2	25
S1 L104E 650S		<5	9	0.8	0.1	19
S1 L104E 625S		7	12	1.1	0.2	20
S1 L104E 600S		<5	8	0.8	<0.1	17
S1 L104E 575S		<5	10	0.6	<0.1	15
S1 L104E 550S		<5	11	0.8	0.2	17
S1 L104E 525S		<5	7	0.8	0.1	22
S1 L104E 500S		<5	7	0.8	0.1	17
S1 L104E 475S		8	13	0.8	0.1	33
S1 L104E 450S		9	28	1.1	0.2	57
S1 L104E 425S		<5	16	0.9	0.2	38
S1 L104E 400S		<5	6	0.8	<0.1	27
S1 L104E 375S		13	4	0.7	0.3	17
S1 L104E 350S		<5	5	0.5	0.2	17
S1 L104E 325S		<5	7	0.8	0.1	35
S1 L104E 300S		<5	6	0.8	<0.1	18
S1 L104E 275S		<5	11	0.8	0.1	28

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SAMPLE NUMBER	ELEMENT UNITS	Au PPB	As PPM	Sb PPM	Ag PPM	Pb PPM
S1 L104E 250S		<5	7	1.0	0.1	15
S1 L104E 225S		16	10	1.0	0.1	20
S1 L104E 200S		<5	5	0.7	<0.1	13
S1 L104E 175S		<5	11	0.6	0.6	23
S1 L104E 150S		<5	13	0.7	0.1	30
S1 L104E 125S		9	9	0.6	0.4	14
S1 L104E 100S		8	14	1.0	0.6	53
S1 L104E 075S		<5	14	1.1	0.3	47
S1 L104E 050S		<5	73	1.8	0.8	73
S1 L104E 025S		<5	46	1.5	1.3	68
S1 L104E BL		26	134	11.0	3.1	400
S1 L104E 0025N		<5	120	5.4	3.0	420
S1 L104E 0050N		20	91	3.1	1.0	200
S1 L104E 0075N		14	75	3.3	1.0	144
S1 L104E 0100N		<5	81	1.9	0.7	255
S1 L104E 0125N		<5	18	0.9	0.8	62
S1 L104E 0150N		<5	47	2.1	1.2	113
S1 L104E 0175N		<5	24	1.1	0.3	47
S1 L104E 0200N		<5	6	0.9	1.2	24
S1 L104E 0225N		<5	14	0.9	0.4	23
S1 L104E 0250N		<5	8	1.1	0.7	12
S1 L104E 0275N		<5	11	1.5	0.1	26
S1 L104E 0300N		11	13	1.4	0.2	23
S1 L104E 0325N		<5	12	1.4	0.4	21
S1 L104E 0350N		9	8	1.3	0.2	21
S1 L104E 0375N		<5	11	1.9	0.2	50
S1 L104E 0400N		14	31	2.3	0.2	65
S1 L104E 0425N		8	25	1.5	0.2	53
S1 L104E 0450N		7	74	1.6	<0.1	93
S1 L104E 0475N		<5	19	1.1	0.2	28
S1 L104E 0500N		<5	11	1.1	0.2	15
S1 L104E 0525N		9	20	1.1	0.3	30
S1 L104E 0550N		<5	1190	20.6	6.2	1550
S1 L104E 0575N		<5	271	1.8	0.4	167
S1 L104E 0600N		<5	11	0.8	0.2	44
S1 L104E 0625N		<5	12	1.2	<0.1	28
S1 L104E 0650N		<5	11	1.2	0.1	39
S1 L104E 0675N		<5	9	1.0	0.1	15
S1 L104E 0700N		<5	8	1.1	0.4	55
S1 L104E 0725N		<5	10	1.0	0.2	13



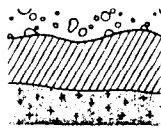
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SAMPLE NUMBER	ELEMENT UNITS	Au PPB	As PPM	Sb PPM	Ag PPM	Pb PPM
S1 L104E 0750N		<5	7	0.8	0.2	12
S1 L104E 0775N		<5	7	0.6	0.3	11
S1 L104E 0800N		12	9	0.9	0.2	13
S1 L104E 0825N		<5	7	0.9	0.2	14
S1 L104E 0850N		<5	9	0.8	0.3	14
S1 L104E 0875N		<5	8	0.8	0.3	16
S1 L104E 0900N		<5	9	0.8	0.3	15
S1 L104E 0925N		<5	4	0.8	0.3	9
S1 L104E 0950N		<5	9	0.9	0.1	13
S1 L104E 0975N		<5	9	1.4	0.2	35
S1 L104E 1000N		<5	8	0.9	0.2	12
S1 L104E 1025N		<5	9	1.5	0.1	13
S1 L104E 1050N		<5	4	0.7	<0.1	17
S1 L104E 1075N		8	11	0.9	0.2	24
S1 L104E 1100N		<5	10	1.2	0.2	17
S1 L104E 1125N		<5	9	1.0	0.2	17
S1 L104E 1150N		<5	8	1.0	0.2	13
S1 L104E 1175N		7	9	0.9	0.2	14
S1 L104E 1200N		9	12	1.2	0.2	16
S1 L104E 1225N		<5	8	0.9	0.2	13
S1 L104E 1250N		8	8	1.1	0.2	14
S1 L104E 1275N		6	15	2.1	0.2	13
S1 L104E 1300N		5	8	2.0	0.3	15
S1 L104E 1325N		29	<4	1.2	0.1	18
S1 L104E 1350N		<5	3	0.7	0.1	6
S1 L104E 1375N		8	8	1.2	0.4	22
S1 L104E 1400N		19	7	1.1	0.2	17
S1 L104E 1425N		7	6	1.0	0.3	20
S1 L104E 1450N		<5	8	1.0	0.2	17
S1 L104E 1475N		22	6	1.0	0.1	18
S1 L104E 1500N		7	9	1.0	0.1	18
S1 L104E 1525N		<5	13	1.3	0.2	27
S1 L104E 1550N		13	6	1.2	0.2	31
S1 L104E 1575N		<5	7	1.5	0.1	16
S1 L104E 1600N		<5	6	0.9	0.2	20
S1 L104E 1625N		<5	8	1.4	<0.1	25
S1 L104E 1650N		<5	4	0.5	<0.1	15
S1 L104E 1675N		6	6	1.2	0.3	32
S1 L104E 1700N		10	7	1.2	0.3	25
S1 L104E 1725N		12	8	1.1	0.2	22



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SAMPLE NUMBER	ELEMENT UNITS	Au PPB	As PPM	Sb PPM	Ag PPM	Pb PPM
S1 L104E 1750N		<5	<2	0.6	0.2	10
S1 L104E 1775N		<5	7	1.1	0.1	23
S1 L104E 1800N		7	9	1.1	0.1	21
S1 L104E 1825N		<5	11	1.1	<0.1	19
S1 L104E 1850N		<5	8	1.0	<0.1	17
S1 L104E 1875N		<5	6	0.7	0.3	16
S1 L104E 1900N		9	7	0.9	0.2	16
S1 L104E 1925N		<5	8	1.0	0.2	15
S1 L104E 1950N		18	6	0.8	<0.1	20
S1 L104E 1975N		5	7	1.0	0.2	11
S1 L104E 2000N		11	6	0.8	0.3	14
S1 L106E 700S		<5	13	1.3	0.3	28
S1 L106E 675S		<5	11	0.9	0.1	25
S1 L106E 650S		<5	10	1.0	0.1	28
S1 L106E 625S		<5	11	1.1	0.2	23
S1 L106E 600S		8	10	0.9	0.3	17
S1 L106E 575S		8	8	0.8	0.2	24
S1 L106E 550S		<5	9	0.8	<0.1	23
S1 L106E 525S		<5	10	0.7	0.1	27
S1 L106E 500S		<5	13	0.9	0.2	30
S1 L106E 475S		<5	15	0.9	0.2	33
S1 L106E 450S		8	13	1.0	0.1	31
S1 L106E 425S		<5	13	0.9	<0.1	40
S1 L106E 400S		<5	18	0.9	0.1	40
S1 L106E 375S		<5	15	0.8	0.2	37
S1 L106E 350S		<5	13	0.9	0.3	32
S1 L106E 325S		11	17	0.8	0.4	35
S1 L106E 300S		<5	19	1.0	0.4	43
S1 L106E 275S		9	35	1.3	0.6	55
S1 L106E 250S		<5	53	1.1	0.6	132
S1 L106E 225S		<5	25	0.8	0.4	78
S1 L106E 200S		<5	26	1.0	0.2	42
S1 L106E 175S		<5	21	0.9	0.2	59
S1 L106E 150S		<5	25	1.0	1.6	320
S1 L106E 125S		<5	15	1.1	0.2	39
S1 L106E 100S		<5	40	5.5	0.6	730
S1 L106E 075S		42	1200	28.0	12.0	3450
S1 L106E 050S		<5	77	1.9	0.5	220
S1 L106E 025S		<5	364	10.0	6.5	1200
S1 L106E BL		<5	175	8.3	2.0	510

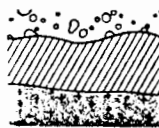


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SAMPLE NUMBER	ELEMENT UNITS	Au PPB	As PPM	Sb PPM	Ag PPM	Pb PPM
S1 L108E 350S		<5	14	0.8	0.3	38
S1 L108E 325S		<5	16	1.0	0.4	31
S1 L108E 300S		<5	30	1.2	0.4	588
S1 L108E 275S		8	68	2.5	0.7	89
S1 L108E 250S		8	28	1.9	2.2	104
S1 L108E 225S		9	64	2.7	0.9	124
S1 L108E 200S		28	102	4.5	2.6	280
S1 L108E 175S		<5	73	3.8	1.4	188
S1 L108E 150S		11	185	4.3	0.7	245
S1 L108E 125S		13	338	7.1	1.1	565
S1 L108E 100S		<5	230	2.9	2.0	215
S1 L108E 075S		28	689	17.0	2.6	1300
S1 L108E 050S		<5	96	2.3	0.5	112
S1 L108E 025S		8	44	1.2	0.3	60
S1 L108E BL		12	106	1.6	0.3	80
S1 L108E 025N		16	75	1.7	0.4	152
S1 L108E 050N		<5	26	0.9	0.1	44
S1 L108E 075N		10	84	1.7	0.3	128
S1 L108E 100N		7	58	1.5	0.2	55
S1 L108E 125N		19	88	1.9	1.0	178
S1 L108E 150N		10	69	1.3	1.0	76
S1 L108E 175N		17	160	1.7	0.5	156
S1 L108E 200N		<5	149	2.1	0.6	245
S1 L108E 225N		<5	236	2.5	1.3	370
S1 L108E 250N		24	138	2.0	0.7	215
S1 L108E 275N		13	62	1.7	0.4	122
S1 L108E 300N		<5	126	1.7	1.0	122
S1 L108E 325N		9	60	1.9	0.6	76
S1 L108E 350N		12	33	1.5	0.6	51
S1 L108E 375N		<5	27	1.1	0.6	43
S1 L108E 400N		7	31	1.1	0.6	55
S1 L108E 425N		<5	11	0.9	2.0	27
S1 L108E 450N		7	7	1.4	0.8	158
S1 L108E 475N		<5	5	1.2	0.1	18
S1 L108E 500N		<5	7	1.1	0.2	16
S1 L108E 525N		<5	6	1.2	0.2	26
S1 L108E 550N		<5	10	1.9	0.8	104
S1 L108E 575N		<5	33	2.9	2.2	330
S1 L108E 600N		<5	22	1.5	0.5	140
S1 L108E 625N		<5	18	1.6	0.4	98



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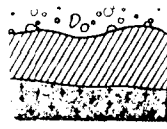
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SAMPLE NUMBER	ELEMENT UNITS	Au PPB	As PPM	Sb PPM	Ag PPM	Pb PPM
SI L108E 650N		<5	13	1.5	0.4	68
SI L108E 675N		<5	18	1.4	0.4	98
SI L108E 700N		11	25	1.4	0.2	56
SI L108E 725N		<5	23	1.6	0.3	87
SI L108E 750N		<5	17	1.1	0.3	61
SI L108E 775N		<5	25	1.0	0.2	75
SI L108E 800N		<5	22	1.0	0.1	35
SI L108E 825N		<5	22	1.1	0.6	98
SI L108E 850N		<5	44	1.9	1.4	65
SI L108E 875N		<5	123	2.8	2.4	75
SI L108E 900N		<5	52	4.8	1.2	56
SI L110E 700S		<5	15	1.2	0.3	23
SI L110E 675S		<5	12	1.2	0.2	25
SI L110E 650S		<5	13	1.1	0.1	26
SI L110E 625S		7	9	1.0	0.2	28
SI L110E 600S		<5	14	1.1	0.4	42
SI L110E 575S		<5	18	1.6	0.5	64
SI L110E 550S		<5	10	0.9	0.4	24
SI L110E 525S		<5	13	1.4	1.4	50
SI L110E 500S		10	12	1.0	0.2	22
SI L110E 475S		9	13	1.1	0.5	23
SI L110E 450S		<5	14	1.1	0.3	25
SI L110E 425S		7	13	0.9	0.2	28
SI L110E 400S		9	13	1.0	0.1	29
SI L110E 375S		<5	14	0.9	0.2	29
SI L110E 350S		9	16	1.0	0.4	57
SI L110E 325S		17	32	1.2	0.8	81
SI L110E 300S		15	87	1.7	1.2	188
SI L110E 275S		12	21	1.2	0.2	44
SI L110E 250S		<5	22	1.2	0.3	45
SI L110E 225S		<5	8	1.0	0.2	22
SI L110E 200S		<5	11	1.0	0.2	28
SI L110E 175S		<5	8	1.0	0.1	30
SI L110E 150S		<5	15	2.5	0.1	122
SI L110E 125S		5	10	0.9	0.2	20
SI L110E 100S		<5	42	5.9	4.5	1200
SI L110E 075S		<5	15	2.0	1.0	240
SI L110E 050S		<5	86	1.9	1.2	370
SI L110E 025S		12	45	2.1	0.7	170
SI L110E BL		<5	15	1.1	0.4	66

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SAMPLE NUMBER	ELEMENT UNITS	Au PPB	As PPM	Sb PPM	Ag PPM	Pb PPM
S1 L110E 025N		<5	25	1.1	0.4	56
S1 L110E 050N		<5	<1	0.4	0.2	8
S1 L110E 075N		21	15	1.1	0.4	38
S1 L110E 100N		<5	114	1.7	0.5	85
S1 L110E 125N		<5	36	1.5	0.4	106
S1 L110E 150N		<5	44	1.9	0.6	78
S1 L110E 175N		15	23	1.5	0.6	35
S1 L110E 200N		<5	16	1.2	0.3	47
S1 L110E 225N		<5	15	1.3	0.3	36
S1 L110E 250N		30	21	1.5	0.2	41
S1 L110E 275N		<5	15	1.1	0.5	40
S1 L110E 300N		6	14	1.2	0.2	35
S1 L110E 325N		<5	20	1.1	0.4	35
S1 L110E 350N		<5	16	1.1	0.3	43
S1 L110E 375N		15	16	1.2	0.3	28
S1 L110E 400N		9	16	1.2	0.4	37
S1 L110E 425N		<5	7	0.8	0.5	11
S1 L110E 450N		<5	13	0.8	0.5	23
S1 L110E 475N		<5	14	1.0	0.6	18
S1 L110E 500N		<5	22	1.3	0.1	30
S1 L110E 525N		<5	20	1.3	0.1	33
S1 L110E 550N		<5	26	1.8	0.2	60
S1 L110E 575N		<5	31	3.5	0.2	35
S1 L110E 600N		<5	14	1.4	0.3	19
S1 L110E 625N		15	16	1.3	0.5	46
S1 L110E 650N		9	37	1.4	0.2	65
S1 L112E 700S		9	66	1.1	0.1	35
S1 L112E 675S		<5	46	0.8	0.2	31
S1 L112E 650S		<5	40	0.9	0.2	42
S1 L112E 625S		<5	29	1.1	0.2	39
S1 L112E 600S		6	20	0.9	0.2	26
S1 L112E 575S		12	32	1.2	0.2	50
S1 L112E 550S		8	14	1.0	0.2	33
S1 L112E 525S		<5	12	0.8	0.2	32
S1 L112E 500S		<5	11	1.0	0.3	21
S1 L112E 475S		7	17	1.2	0.3	26
S1 L112E 450S		<5	21	1.0	0.2	33
S1 L112E 425S		<5	9	1.0	0.1	22
S1 L112E 400S		<5	13	1.1	0.1	17
S1 L112E 375S		<5	11	1.0	0.2	18



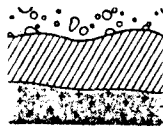
BONDAR-CLEGG

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SAMPLE NUMBER	ELEMENT UNITS	Au PPB	As PPM	Sb PPM	Ag PPM	Pb PPM
S1 L112E 350S		<5	8	0.9	0.2	19
S1 L112E 325S		12	19	1.6	0.1	47
S1 L112E 300S		10	11	1.2	0.2	35
S1 L112E 275S		<5	15	1.5	0.2	53
S1 L112E 250S		15	17	1.8	0.3	49
S1 L112E 225S		26	38	2.6	0.6	98
S1 L112E 200S		<5	29	3.1	0.4	37
S1 L112E 175S		48	27	2.7	0.3	67
S1 L112E 150S		140	62	5.9	1.3	45
S1 L112E 125S		9090	1330	44.8	11.0	495
S1 L112E 100S		2180	44	3.8	0.5	28
S1 L112E 075S		190	146	4.2	0.6	143
S1 L112E 050S		58	40	2.0	0.3	20
S1 L112E 025S		190	55	2.5	0.3	34
S1 L112E RL		140	34	1.8	0.3	42
S1 L112E 025N		68	24	1.5	0.3	63
S1 L112E 050N		57	25	1.6	0.3	73
S1 L112E 075N		23	13	1.0	0.2	28
S1 L112E 100N		33	17	1.3	0.2	44
S1 L112E 125N		37	13	1.0	0.2	33
S1 L112E 150N		9	12	1.1	0.3	32
S1 L112E 175N		22	17	0.8	0.5	57
S1 L112E 200N		33	24	1.3	0.5	85
S1 L112E 225N		16	18	1.1	0.4	46
S1 L112E 250N		17	15	1.3	0.2	39
S1 L112E 275N		<5	15	0.8	0.3	33
S1 L112E 300N		9	15	1.0	0.5	31
S1 L112E 325N		<5	16	1.2	0.3	30
S1 L112E 350N		<5	11	0.8	0.4	25
S1 L112E 375N		6	9	0.9	0.5	31
S1 L112E 400N		9	11	1.0	0.5	52
S1 L112E 425N		10	9	0.8	0.4	27
S1 L112E 450N		<5	11	0.9	0.3	34
S1 L112E 475N		<5	12	1.1	0.4	27
S1 L112E 500N		<5	22	1.0	0.4	58
S1 L112E 525N		6	22	1.2	0.3	64
S1 L112E 550N		14	13	1.1	0.7	57
S1 L112E 575N		9	13	1.2	0.8	47
S1 L112E 600N		88	27	2.1	1.0	90
S1 L112E 625N		15	20	2.3	1.2	86



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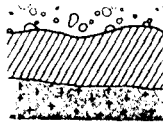
SAMPLE NUMBER	ELEMENT UNITS	Au PPR	As PPM	Sb PPM	Ag PPM	Pb PPM
S1 L112E 650N		25	20	2.2	0.9	92
S1 L114E 700S		12	100	1.2	0.2	47
S1 L114E 675S		11	47	1.0	0.1	53
S1 L114E 650S		<5	9	0.8	0.1	17
S1 L114E 625S		11	152	1.0	0.3	129
S1 L114E 600S		8	47	1.0	0.3	56
S1 L114E 575S		19	40	0.9	0.3	65
S1 L114E 550S		24	38	0.9	0.5	90
S1 L114E 525S		23	52	1.1	0.3	59
S1 L114E 500S		14	26	1.1	0.4	40
S1 L114E 475S		8	19	1.0	0.3	21
S1 L114E 450S		19	13	1.0	0.1	18
S1 L114E 425S		11	18	1.3	0.1	29
S1 L114E 400S		13	11	0.9	0.1	19
S1 L114E 375S		10	10	1.0	0.1	20
L114E 350S		<5	9	0.9	0.1	15
S1 L114E 325S		13	12	1.3	0.3	28
S1 L114E 300S		19	14	1.2	0.7	46
S1 L114E 275S		7	15	1.4	0.1	40
S1 L114E 250S		11	13	1.2	0.5	30
S1 L114E 225S		14	11	1.1	0.5	45
S1 L114E 200S		38	60	2.5	0.6	95
S1 L114E 175S		<5	44	1.8	0.5	100
S1 L114E 150S		11	54	2.0	0.2	118
S1 L114E 125S		<5	50	4.7	0.7	220
S1 L114E 100S		15	25	1.8	0.1	41
S1 L114E 075S		13	15	1.4	0.4	34
S1 L114E 050S		12	11	0.9	0.1	21
S1 L114E 025S		<5	8	0.6	0.1	19
S1 L114E BL		13	7	1.1	0.1	19
S1 L114E 025N		<5	27	1.3	0.2	67
S1 L114E 050N		7	29	1.5	0.2	68
S1 L114E 075N		<5	28	1.2	0.1	128
S1 L114E 100N		<5	14	1.1	0.3	50
S1 L114E 125N		<5	18	1.3	0.3	72
S1 L114E 150N		<5	20	1.2	0.2	46
L114E 175N		11	20	1.3	0.8	75
S1 L114E 200N		<5	38	3.4	0.4	46
S1 L114E 225N		<5	24	3.1	0.4	62
S1 L114E 250N		<5	22	1.4	1.5	81

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SAMPLE NUMBER	ELEMENT UNITS	Au PPB	As PPM	Sb PPM	Ag PPM	Pb PPM
S1 L116E 100S		6	18	1.2	0.2	40
S1 L116E 075S		<5	16	1.1	0.4	42
S1 L116E 050S		15	229	23.4	5.6	955
S1 L116E 025S		<5	110	5.3	4.0	480
S1 L116E BL		<5	117	3.0	1.2	270
S1 L116E 025N		<5	51	2.1	1.7	170
S1 L116E 050N		13	100	5.7	4.8	650
S1 L116E 075N		<5	24	1.6	0.4	67
S1 L116E 100N		6	15	1.2	0.2	41
S1 L116E 125N		<5	13	1.1	0.4	64
S1 L116E 150N		<5	15	1.6	0.1	94
S1 L116E 175N		<5	15	2.0	0.4	75
S1 L116E 200N		10	22	1.8	1.3	82
S1 L116E 225N		<5	48	2.2	0.7	310
S1 L116E 250N		<5	9	0.9	0.4	23
S1 L116E 275N		<5	32	1.6	0.4	44
S1 L116E 300N		<5	33	1.3	0.1	39
S1 L116E 325N		<5	23	1.8	0.6	52
S1 L116E 350N		<5	20	1.8	0.2	35
S1 L116E 375N		<5	21	1.4	0.4	26
S1 L116E 400N		<5	18	1.2	0.4	33
S1 L116E 425N		<5	21	1.4	0.4	30
S1 L116E 450N		<5	184	1.4	0.5	26
S1 L116E 475N		9	210	2.9	1.2	129
S1 L116E 500N		<5	206	1.6	0.8	41
S1 L116E 525N		<5	156	1.6	1.2	56
S1 L116E 550N		10	152	1.2	0.7	41
S1 L116E 575N		<5	82	1.2	0.4	30
S1 L116E 600N		<5	31	1.0	0.2	20
S1 L116E 625N		8	22	0.8	0.3	19
S1 L116E 650N		<5	24	1.1	0.1	23
S1 L118E 700S		9	22	0.8	0.4	36
S1 L118E 675S		<5	17	0.7	0.4	38
S1 L118E 650S		16	18	0.7	0.2	45
S1 L118E 625S		<5	13	0.7	0.3	33
S1 L118E 600S		<5	14	0.7	0.5	29
S1 L118E 575S		7	13	0.7	0.3	20
S1 L118E 550S		<5	12	0.7	0.4	24
S1 L118E 525S		<5	12	1.0	0.1	21
S1 L118E 500S		<5	10	0.8	0.2	21

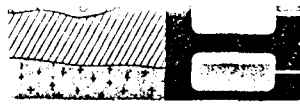


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SAMPLE NUMBER	ELEMENT UNITS	Au PPB	As PPM	Sb PPM	Ag PPM	Pb PPM
S1 L118E 475S		<5	15	0.8	0.3	23
S1 L118E 450S		6	15	1.0	0.5	32
S1 L118E 425S		<5	12	0.9	0.3	26
S1 L118E 400S		<5	15	0.9	0.3	21
S1 L118E 375S		<5	16	0.8	0.4	24
S1 L118E 350S		6	49	0.9	0.8	35
S1 L118E 325S		<5	38	1.1	0.4	36
S1 L118E 300S		<5	10	0.8	0.5	33
S1 L118E 275S		<5	9	0.9	0.1	26
S1 L118E 250S		6	7	0.6	0.2	20
S1 L118E 225S		<5	5	0.8	0.1	16
S1 L118E 200S		<5	8	0.8	0.3	21
S1 L118E 175S		<5	11	1.2	0.2	22
S1 L118E 150S		8	19	1.5	0.4	52
S1 L118E 125S		<5	23	1.4	0.8	55
S1 L118E 100S		8	22	2.4	2.0	168
1 L118E 075S		13	139	5.5	1.5	225
S1 L118E 050S		15	26	1.6	0.5	82
S1 L118E 025S		<5	42	3.2	2.0	196
S1 L118E BL		8	61	4.0	1.7	375
S1 L118E 025N		<5	27	1.9	1.0	132
S1 L118E 050N		<5	13	1.2	0.5	47
S1 L118E 075N		<5	12	1.1	0.3	36
S1 L118E 100N		<5	13	1.1	0.3	45
S1 L118E 125N		<5	13	0.9	0.3	59
S1 L118E 150N		<5	15	1.3	0.1	68
S1 L118E 175N		<5	26	1.2	<0.1	42
S1 L118E 200N		<5	8	0.9	<0.1	20
S1 L118E 225N		<5	27	1.4	0.2	85
S1 L118E 250N		<5	35	1.1	0.4	62
S1 L118E 275N		<5	22	1.0	1.0	59
S1 L118E 300N		<5	41	1.6	0.4	129
S1 L118E 325N		<5	41	1.1	0.4	74
S1 L118E 350N		<5	40	1.4	0.4	100
S1 L118E 375N		<5	65	1.5	0.6	108
S1 L118E 400N		<5	89	1.7	1.0	94
S1 L118E 425N		19	145	2.0	0.6	56
S1 L118E 450N		10	170	2.3	1.5	84
S1 L118E 475N		13	64	1.9	1.1	109
S1 L118E 500N		8	58	1.6	0.4	77

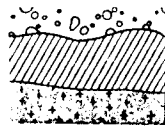


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SAMPLE NUMBER	ELEMENT UNITS	Au PPB	As PPM	Sb PPM	Ag PPM	Pb PPM
S1 L118E 525N		<5	75	1.3	0.3	86
S1 L118E 550N		<5	95	1.3	0.9	97
S1 L118E 575N		<5	40	1.0	0.1	52
S1 L118E 600N		<5	43	1.1	0.4	39
S1 L118E 625N		8	34	0.9	1.1	55
S1 L118E 650N		6	28	0.9	0.4	42
S1 L120E 700S		<5	42	0.7	0.2	53
S1 L120E 675S		10	22	0.7	0.4	45
S1 L120E 650S		<5	20	0.8	0.1	34
S1 L120E 625S		<5	14	0.7	0.2	37
S1 L120E 600S		<5	19	0.6	0.4	38
S1 L120E 575S		<5	24	0.8	0.3	44
S1 L120E 550S		6	13	0.5	0.3	48
S1 L120E 525S		<5	15	0.7	0.4	33
S1 L120E 500S		<5	15	0.6	0.2	36
S1 L120E 475S		<5	26	0.6	0.3	43
S1 L120E 450S		<5	23	0.7	0.4	49
S1 L120E 425S		<5	19	0.9	0.4	42
S1 L120E 400S		8	31	0.7	0.5	67
S1 L120E 375S		<5	10	0.8	0.2	31
S1 L120E 350S		<5	31	0.6	0.4	52
S1 L120E 325S		<5	20	0.6	0.5	40
S1 L120E 300S		9	24	1.3	1.2	79
S1 L120E 275S		<5	14	0.8	0.6	106
S1 L120E 250S		<5	17	0.8	1.7	265
S1 L120E 225S		<5	14	0.8	0.6	17
S1 L120E 200S		<5	19	1.0	0.3	28
S1 L120E 175S		<5	15	0.9	0.6	26
S1 L120E 150S		9	29	0.7	1.1	30
S1 L120E 125S		7	13	0.8	0.4	24
S1 L120E 100S		<5	46	1.4	0.4	61
S1 L120E 075S		19	73	1.3	0.3	42
S1 L120E 050S		15	69	1.0	1.4	39
S1 L120E 025S		11	32	1.0	0.8	30
S1 L120E BL		16	79	1.2	1.3	60
S1 L120E 025N		21	74	1.3	0.7	71
S1 L120E 050N		<5	99	1.3	0.7	121
S1 L120E 075N		<5	21	1.0	0.4	60
S1 L120E 100N		11	141	1.1	0.9	77
S1 L120E 125N		11	46	1.5	0.7	295

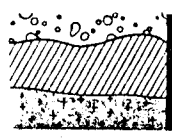


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SAMPLE NUMBER	ELEMENT UNITS	Au PFB	As PPM	Sb PPM	Ag PPM	Pb PPM
S1 L120E 150N		<5	16	1.1	0.2	22
S1 L120E 175N		20	343	1.8	1.4	555
S1 L120E 200N		14	312	1.6	0.4	420
S1 L120E 225N		22	234	2.0	3.1	525
S1 L120E 250N		<5	129	4.2	0.6	191
S1 L120E 275N		16	139	2.5	2.6	215
S1 L120E 300N		9	72	1.7	0.8	161
S1 L120E 325N		<5	103	1.4	0.6	193
S1 L120E 350N		<5	106	1.4	0.3	117
S1 L120E 375N		280	176	3.7	1.2	158
S1 L120E 400N		18	123	6.1	1.2	169
S1 L120E 425N		8	94	2.9	1.0	159
S1 L120E 450N		<5	157	2.3	0.4	96
S1 L120E 475N		8	90	1.6	0.2	83
S1 L120E 500N		10	121	1.9	0.4	103
S1 L120E 525N		8	60	1.3	1.3	46
S1 L120E 550N		8	95	1.9	0.4	101
S1 L120E 575N		<5	134	2.0	0.8	117
S1 L120E 600N		<5	149	1.3	5.1	180
S1 L120E 625N		8	112	2.1	0.5	28
S1 L120E 650N		16	126	2.3	4.7	137
S1 L122E 700S		<5	46	1.0	0.3	83
S1 L122E 675S		12	82	1.0	0.3	100
S1 L122E 650S		12	128	1.2	0.3	161
S1 L122E 625S		8	128	1.2	1.4	170
S1 L122E 600S		<5	58	1.0	0.7	114
S1 L122E 575S		<5	38	0.8	1.0	105
S1 L122E 550S		<5	8	0.6	0.4	36
S1 L122E 525S		<5	59	1.1	0.5	77
S1 L122E 500S		<5	13	0.7	0.3	48
S1 L122E 475S		7	11	0.6	0.1	22
S1 L122E 450S		<5	20	0.7	0.2	23
S1 L122E 425S		<5	7	0.6	0.1	10
S1 L122E 400S		<5	7	0.6	0.1	7
S1 L122E 375S		<5	8	0.6	<0.1	10
S1 L122E 350S		<5	24	1.0	0.3	27
S1 L122E 325S		<5	37	0.8	0.4	35
S1 L122E 300S		<5	12	0.6	0.5	37
S1 L122E 275S		<5	21	0.8	0.3	26
S1 L122E 250S		<5	33	1.0	0.4	22



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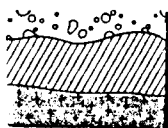
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SAMPLE NUMBER	ELEMENT UNITS	Au PPB	As PPM	Sb PPM	Ag PPM	Pb PPM
S1 L122E 225S		12	33	1.0	0.4	29
S1 L122E 200S		10	33	1.0	0.1	24
S1 L122E 175S		<5	15	0.6	0.4	11
S1 L122E 150S		10	58	1.0	0.5	38
S1 L122E 125S		11	123	1.3	1.0	70
S1 L122E 100S		<5	105	1.3	0.5	50
S1 L122E 075S		<5	82	1.1	0.3	41
S1 L122E 050S		<5	79	0.7	1.1	53
S1 L122E 025S		<5	79	1.1	0.5	51
S1 L122E BL		9	118	1.5	0.3	52
S1 L122E 025N		10	92	1.5	0.3	63
S1 L122E 050N		<5	85	1.4	0.2	81
S1 L122E 075N		17	145	1.8	0.2	71
S1 L122E 100N		14	120	1.5	0.2	119
S1 L122E 125N		10	52	1.4	0.5	66
S1 L122E 150N		<5	62	1.6	0.3	78
S1 L122E 175N		<5	78	2.2	0.1	159
S1 L122E 200N		<5	71	1.9	0.4	119
S1 L122E 225N		<5	109	3.2	0.5	193
S1 L122E 250N		12	197	2.0	0.6	305
S1 L122E 275N		6	9	0.7	0.4	35
S1 L122E 300N		<5	167	2.7	1.2	240
S1 L122E 325N		<5	256	3.1	0.9	205
S1 L122E 350N		16	214	6.6	1.4	194
S1 L122E 375N		16	194	2.4	1.4	205
S1 L122E 400N		<5	87	1.7	0.7	189
S1 L122E 425N		10	35	0.9	0.2	57
S1 L122E 450N		<5	49	1.1	0.6	88
S1 L122E 475N		9	30	1.1	0.4	69
S1 L122E 500N		14	55	1.3	1.5	134
S1 L122E 525N		15	53	1.3	1.0	89
S1 L122E 550N		<5	55	1.3	1.7	118
S1 L122E 575N		<5	26	1.3	0.3	53
S1 L122E 600N		<5	26	1.3	0.6	51
S1 L122E 625N		<5	42	2.2	1.1	168
S1 L122E 650N		7	16	1.0	0.8	27
S1 L124E 700S		11	15	0.8	0.4	24
S1 L124E 675S		<5	39	1.1	0.2	115
S1 L124E 650S		11	11	1.0	0.3	19
S1 L124E 625S		8	10	0.8	0.4	45

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SAMPLE NUMBER	ELEMENT UNITS	Au PFB	As PPM	Sb PPM	Ag PPM	Pb PPM
S1 L124E 600S		8	14	1.4	0.4	45
S1 L124E 575S		<5	10	1.2	0.3	14
S1 L124E 550S		<5	19	0.8	0.2	16
S1 L124E 525S		<5	9	0.9	0.4	25
S1 L124E 500S		<5	6	0.8	0.2	19
S1 L124E 475S		<5	4	0.7	0.1	6
S1 L124E 450S		10	8	0.8	0.2	9
S1 L124E 425S		<5	7	0.7	0.3	13
S1 L124E 400S		<5	7	0.7	0.1	11
S1 L124E 375S		<5	9	0.7	0.4	10
S1 L124E 350S		<5	25	0.7	0.1	14
S1 L124E 325S		<5	9	0.8	0.3	15
S1 L124E 300S		<5	6	0.9	0.3	12
S1 L124E 275S		7	4	0.7	0.2	11
S1 L124E 250S		<5	9	0.7	0.3	17
S1 L124E 225S		<5	5	0.8	0.3	10
S1 L124E 200S		<5	4	0.6	0.1	10
S1 L124E 175S		<5	6	0.8	0.4	12
S1 L124E 150S		<5	5	0.8	0.5	14
S1 L124E 125S		<5	6	0.9	0.2	16
S1 L124E 100S		<5	8	0.8	0.3	14
S1 L124E 075S		<5	15	1.0	0.4	20
S1 L124E 050S		8	28	0.8	0.5	55
S1 L124E 025S		17	41	1.1	0.4	34
S1 L124E BL		10	87	1.1	1.0	37
S1 L124E 025N		<5	42	0.9	1.1	37
S1 L124E 050N		<5	69	1.1	0.6	53
S1 L124E 075N		<5	50	1.0	0.1	41
S1 L124E 100N		12	69	1.2	0.5	42
S1 L124E 125N		<5	13	0.7	0.6	32
S1 L124E 150N		<5	10	0.9	0.1	19
S1 L124E 175N		<5	11	0.8	0.2	32
S1 L124E 200N		7	44	1.0	0.1	49
S1 L124E 225N		<5	114	2.7	1.2	205
S1 L124E 250N		15	78	1.6	1.6	87
S1 L124E 275N		<5	127	1.6	0.8	152
S1 L124E 300N		<5	78	1.4	0.4	119
S1 L124E 325N		8	126	2.3	0.9	160
S1 L124E 350N		9	100	1.7	0.4	93
S1 L124E 375N		<5	79	1.2	0.3	81



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SAMPLE NUMBER	ELEMENT UNITS	Au PPB	As PPM	Sb PPM	Ag PPM	Pb PPM
S1 L124E 400N		<5	37	1.4	0.1	50
S1 L124E 425N		10	44	1.4	0.6	72
S1 L124E 450N		<5	29	1.5	0.5	47
S1 L124E 475N		<5	82	1.6	1.0	260
S1 L124E 500N		8	87	1.7	0.1	58
S1 L124E 525N		8	48	1.7	0.3	26
S1 L124E 550N		<5	23	1.2	0.2	29
S1 L124E 575N		<5	20	1.1	0.3	27
S1 L124E 600N		7	9	0.7	0.5	22
S1 L124E 625N		8	53	1.4	0.4	54
S1 L124E 650N		<5	69	2.5	0.5	54
S1 L126 700S		<5	5	0.7	0.1	5
S1 L126 675S		7	11	0.8	0.1	12
S1 L126 650S		<5	5	0.5	0.1	6
S1 L126 625S		11	10	0.9	0.2	14
S1 L126 600S		<5	12	0.9	0.1	15
S1 L126 575S		6	13	1.6	0.1	12
S1 L126 550S		<5	4	0.6	0.3	9
S1 L126 525S		<5	8	0.7	0.1	13
S1 L126 500S		12	12	1.0	0.1	9
S1 L126 475S		16	8	1.0	0.1	9
S1 L126 450S		<5	7	1.1	0.1	7
S1 L126 425S		56	11	1.2	0.1	9
S1 L126 400S		12	15	0.9	0.4	12
S1 L126 375S		10	8	0.9	0.1	9
S1 L126 350S		9	11	1.1	0.4	12
S1 L126 325S		8	9	1.2	0.1	10
S1 L126 300S		<5	10	1.2	0.2	18
S1 L126 275S		<5	7	0.8	0.1	10
S1 L126 250S		<5	4	0.7	0.1	6
S1 L126 225S		<5	8	1.1	0.3	12
S1 L126 200S		<5	6	0.7	0.5	7
S1 L126 175S		<5	8	0.7	0.4	9
S1 L126 150S		<5	6	0.8	0.3	8
S1 L126 125S		<5	5	0.8	0.3	6
1 L126 100S		<5	4	0.7	0.4	9
S1 L126 075S		<5	8	0.9	0.2	11
S1 L126 050S		<5	8	1.2	0.3	12
S1 L126 025S		<5	3	0.8	0.6	8
S1 L126E BL		<5	5	0.9	0.4	11

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SAMPLE NUMBER	ELEMENT UNITS	Au PPB	As PPM	Sb PPM	Ag PPM	Pb PPM
S1 L126E 025N		<5	4	1.0	0.4	25
S1 L126E 050N		<5	6	1.0	0.2	11
S1 L126E 075N		<5	5	0.8	0.1	11
S1 L126E 100N		10	21	1.9	0.4	35
S1 L126E 125N		<5	18	1.6	0.3	27
S1 L126E 150N		<5	38	1.7	0.1	74
S1 L126E 175N		49	33	1.6	0.1	86
S1 L126E 200N		<5	23	1.7	0.1	76
S1 L126E 225N		8	49	1.8	0.1	64
S1 L126E 250N		<5	45	3.8	1.4	178
S1 L126E 275N		<5	97	2.0	0.2	115
S1 L126E 300N		19	136	2.5	0.6	125
S1 L126E 325N		<5	68	3.4	1.7	300
S1 L126E 350N		9	59	1.5	0.3	118
S1 L126E 375N		<5	78	1.7	0.9	215
S1 L126E 400N		<5	27	1.2	0.4	74
S1 L126E 425N		8	67	1.5	0.3	79
S1 L126E 450N		<5	48	0.7	1.2	44
S1 L126E 475N		9	86	1.5	0.3	70
S1 L126E 500N		<5	212	1.8	0.8	320
S1 L126E 525N		<5	251	2.3	0.7	165
S1 L126E 550N		<5	119	1.7	0.2	124
S1 L126E 575N		<5	54	1.5	0.4	62
S1 L126E 600N		<5	67	1.4	0.2	63
S1 L126E 625N		<5	67	1.6	0.1	69
S1 L126E 650N		<5	56	1.8	0.6	69
S1 L128E 700S		14	9	1.0	0.2	14
S1 L128E 675S		<5	8	0.9	0.1	12
S1 L128E 650S		<5	11	1.0	0.2	13
S1 L128E 625S		7	7	0.8	0.2	12
S1 L128E 600S		<5	10	1.0	0.1	14
S1 L128E 575S		6	5	0.6	0.1	6
S1 L128E 550S		9	17	1.3	0.3	23
S1 L128E 525S		9	13	1.0	<0.1	12
S1 L128E 500S		<5	11	0.9	0.1	19
S1 L128E 475S		<5	17	1.0	0.1	18
S1 L128E 450S		<5	19	1.1	0.2	19
S1 L128E 425S		8	2	0.6	<0.1	6
S1 L128E 400S		9	9	1.3	<0.1	21
S1 L128E 375S		17	15	1.2	<0.1	19

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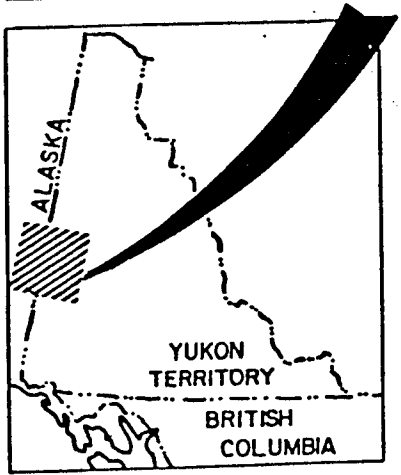
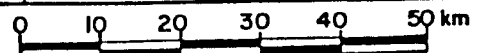
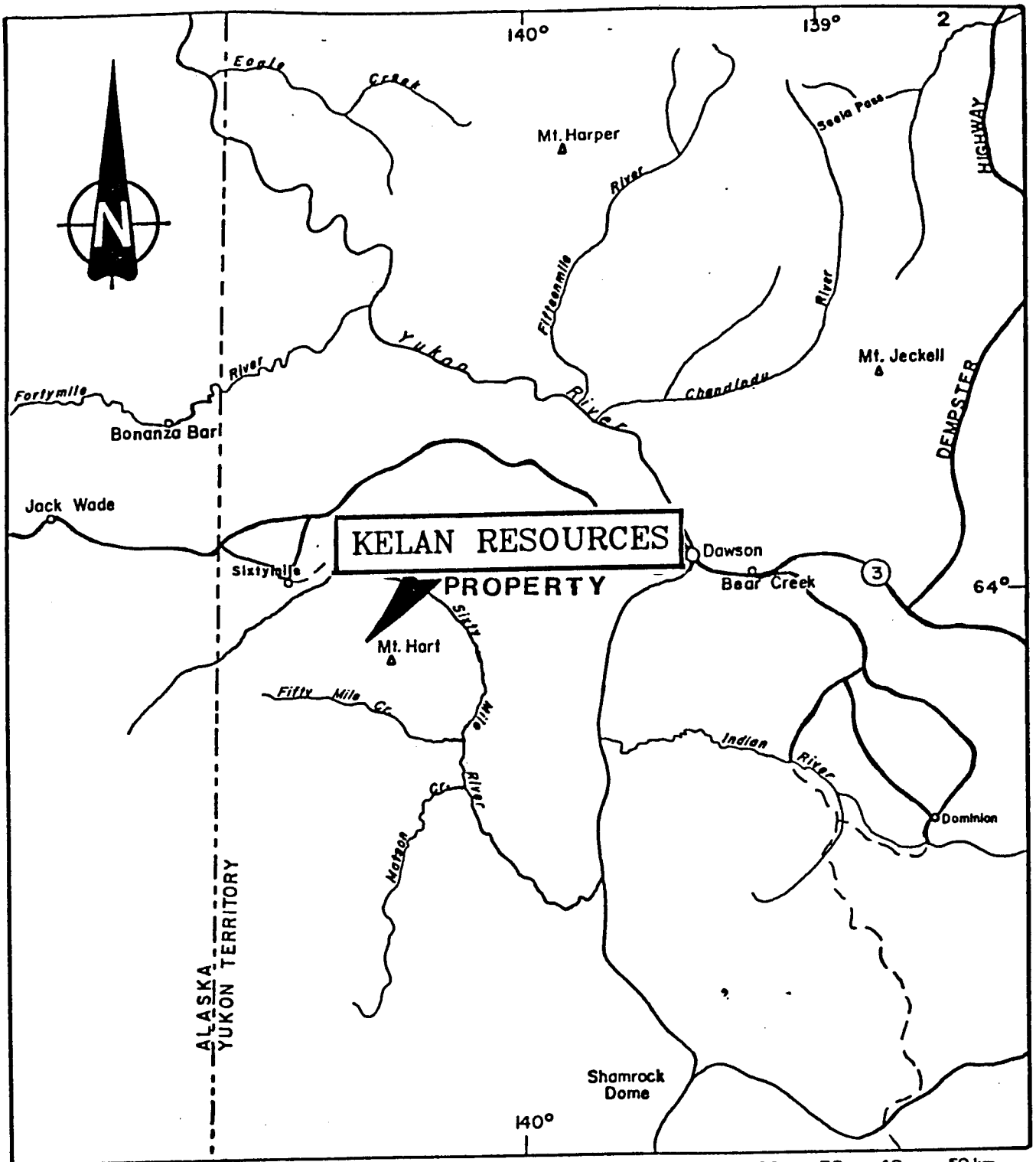
SAMPLE NUMBER	ELEMENT UNITS	Au PPB	As PPM	Sb PPM	Ag PPM	Pb PPM
S1 L128E 350S		11	14	1.5	0.1	33
S1 L128E 325S		<5	10	1.5	0.1	18
S1 L128E 300S		12	10	1.2	0.1	19
S1 L128E 275S		<5	5	0.7	0.3	5
S1 L128E 250S		8	9	1.2	0.1	14
S1 L128E 225S		9	8	1.1	0.1	13
S1 L128E 200S		<5	8	1.0	0.1	12
S1 L128E 175S		9	7	1.1	0.1	14
S1 L128E 150S		11	5	0.9	0.1	8
S1 L128E 125S		<5	4	0.8	0.1	9
S1 L128E 100S		7	9	0.9	0.3	13
S1 L128E 075S		9	9	1.0	0.1	15
S1 L128E 050S		<5	12	2.2	1.2	25
S1 L128E 025S		10	13	1.0	0.6	19
S1 L128E BL		<5	10	1.5	0.4	18
1 L128E 0025N		7	11	1.4	0.1	20
S1 L128E 0050N		<5	4	0.7	0.2	8
S1 L128E 0075N		10	11	1.0	0.2	18
S1 L128E 0100N		<5	10	1.5	<0.1	17
S1 L128E 0125N		<5	5	0.8	<0.1	5
S1 L128E 0150N		<5	11	1.3	<0.1	17
S1 L128E 0175N		<5	11	1.2	<0.1	14
S1 L128E 0200N		<5	15	1.2	<0.1	30
S1 L128E 0225N		<5	26	1.7	0.2	49
S1 L128E 0250N		26	63	2.8	0.6	142
S1 L128E 0275N		<5	57	2.5	0.3	150
S1 L128E 0300N		<5	132	7.3	1.8	575
S1 L128E 0325N		<5	77	2.5	0.7	189
S1 L128E 0350N		<5	85	1.4	0.5	120
S1 L128E 0375N		18	55	1.5	1.1	188
S1 L128E 0400N		<5	74	2.0	0.2	140
S1 L128E 0425N		<5	129	1.9	0.4	115
S1 L128E 0450N		<5	51	1.1	0.4	270
S1 L128E 0475N		<5	17	1.3	0.4	34
S1 L128E 0500N		13	14	1.0	<0.1	31
1 L128E 0525N		17	89	1.8	0.8	107
S1 L128E 0550N		<5	108	1.4	0.3	72
S1 L128E 0575N		10	87	1.8	0.4	55
S1 L128E 0600N		24	65	1.8	0.8	77
S1 L128E 0625N		16	48	1.6	0.5	58

REPORT: 127-7950

PROJECT: CROESUS

PAGE 22

SAMPLE NUMBER	ELEMENT UNITS	Au PPB	As PPM	Sb PPM	Ag PPM	Pb PPM
SI L128E 0650N		<5	68	6.9	1.4	88
SI L128E 0675N		7	38	1.3	0.2	42
SI L128E 0700N		7	45	1.5	0.5	91
SI L128E 0725N		14	40	1.2	0.4	48
SI L128E 0750N		<5	44	1.5	0.5	46
SI L128E 0775N		<5	51	2.0	0.5	62
SI L128E 0800N		<5	25	1.3	0.4	43
SI L128E 0825N		<5	19	1.1	0.2	31
SI L128E 0850N		7	30	1.6	0.2	50
SI L128E 0875N		<5	50	1.6	0.7	64
SI L128E 0900N		17	60	1.6	1.1	150
SI L128E 0925N		8	74	3.2	0.7	192
SI L128E 0950N		10	31	2.1	0.6	71
SI L128E 0975N		7	95	2.2	0.6	82
SI L128E 1000N		<5	27	1.4	0.6	56
SI L128E 1025N		<5	20	0.9	0.2	27
SI L128E 1050N		17	22	0.8	1.2	53
SI L128E 1075N		<5	28	1.2	0.2	30
SI L128E 1100N		8	52	1.1	0.4	34
SI L130E 700S		<5	9	0.8	0.2	12
SI L130E 675S		<5	7	0.7	0.3	11
SI L130E 650S		<5	14	0.9	0.2	19
SI L130E 625S		<5	20	1.1	0.4	49
SI L130E 600S		<5	23	1.3	0.4	52
SI L130E 575S		7	28	1.4	0.7	62
SI L130E 550S		18	207	2.3	1.8	290
SI L130E 525S		<5	16	1.0	0.6	24
SI L130E 500S		11	15	0.9	0.3	29
SI L130E 475S		12	15	1.2	0.3	23
SI L130E 450S		11	14	1.2	0.4	23
SI L130E 425S		10	12	1.2	0.2	18
SI L130E 400S		13	10	1.0	0.1	18
SI L130E 375S		8	20	2.6	0.3	36
SI L130E 350S		11	12	1.1	0.2	20
SI L130E 325S		16	8	1.0	0.4	24
SI L130E 300S		12	8	1.0	<0.1	20
SI L130E 275S		17	12	1.3	0.1	19
SI L130E 250S		<5	13	1.3	0.1	31
SI L130E 225S		10	13	1.3	0.1	36
SI L130E 200S		<5	5	0.7	<0.1	10



KELAN RESOURCES INC.

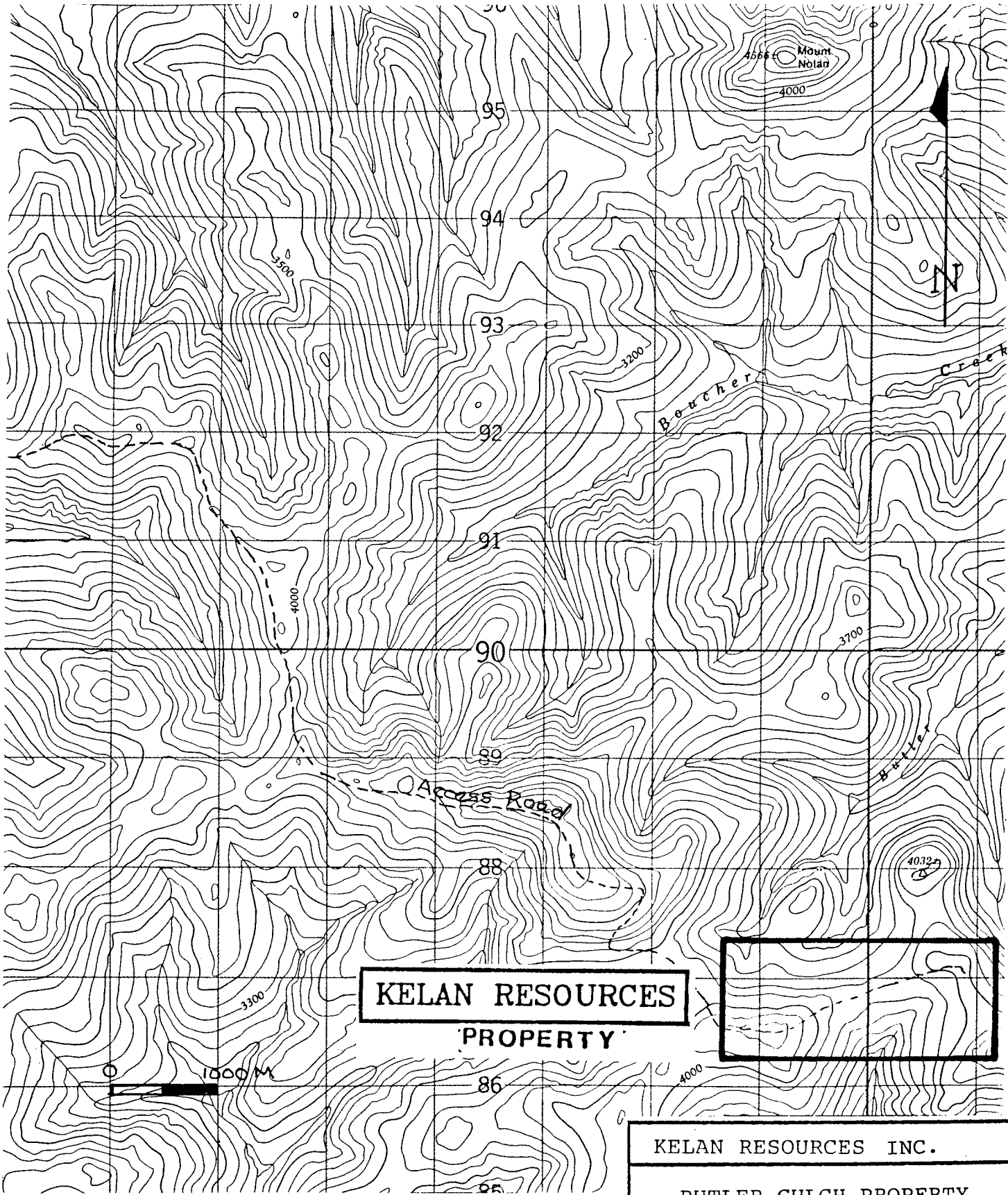
BUTLER GULCH PROPERTY

PRA CLAIMS

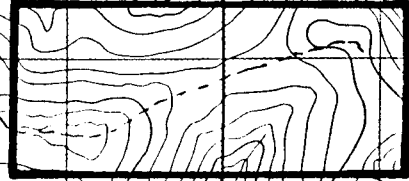
Location Map - Yukon

Figure 1.

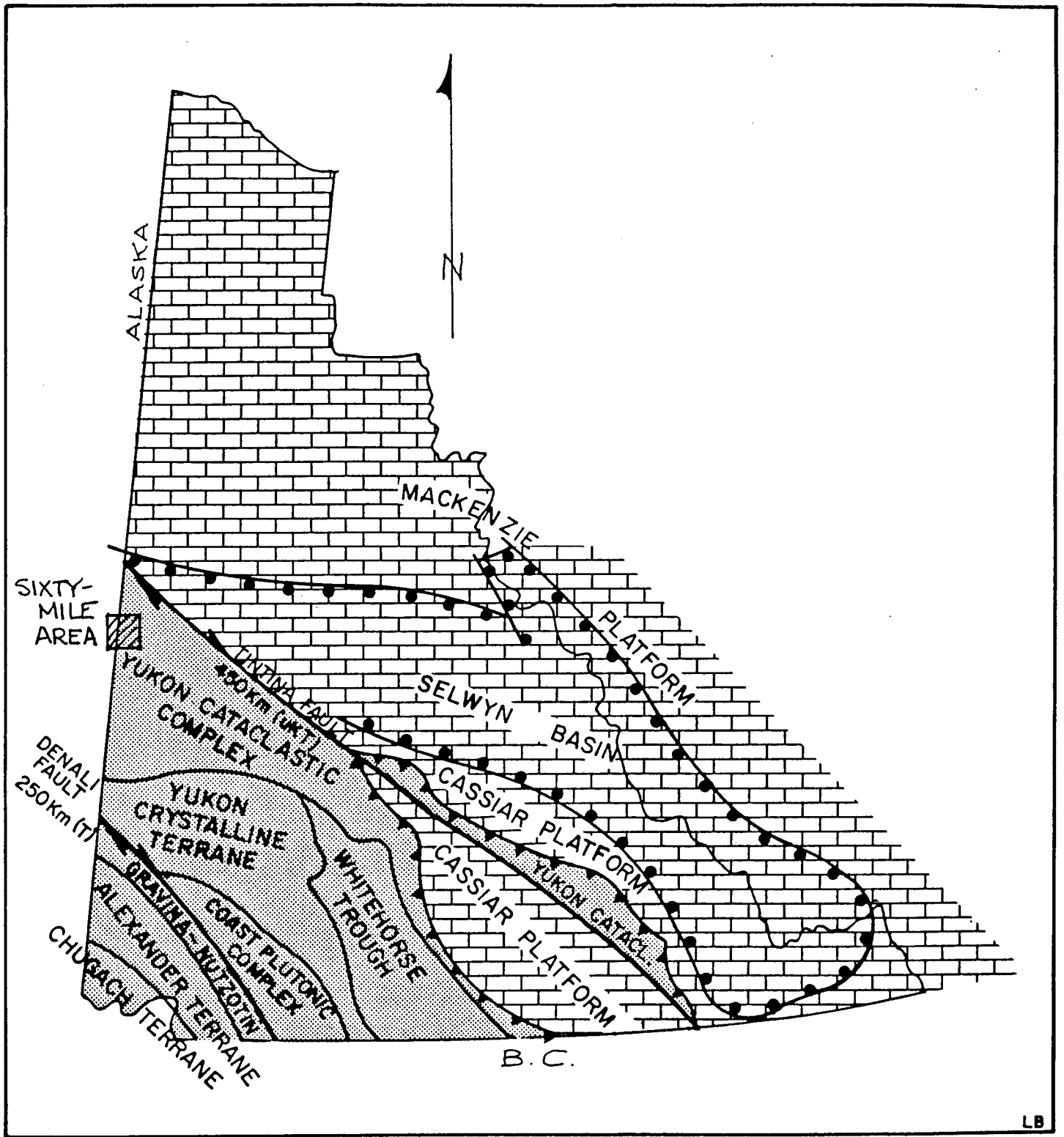
BARRY J. PRICE, M.Sc. 1988



**KELAN RESOURCES
PROPERTY**



KELAN RESOURCES INC.
BUTLER GULCH PROPERTY
PRA CLAIMS
Topography, Claims Area
Figure 2.
BARRY J. PRICE, M.Sc. 1988



LB

FROM: TEMPLEMAN-KLUIT, (1979)

KELAN RESOURCES INC.

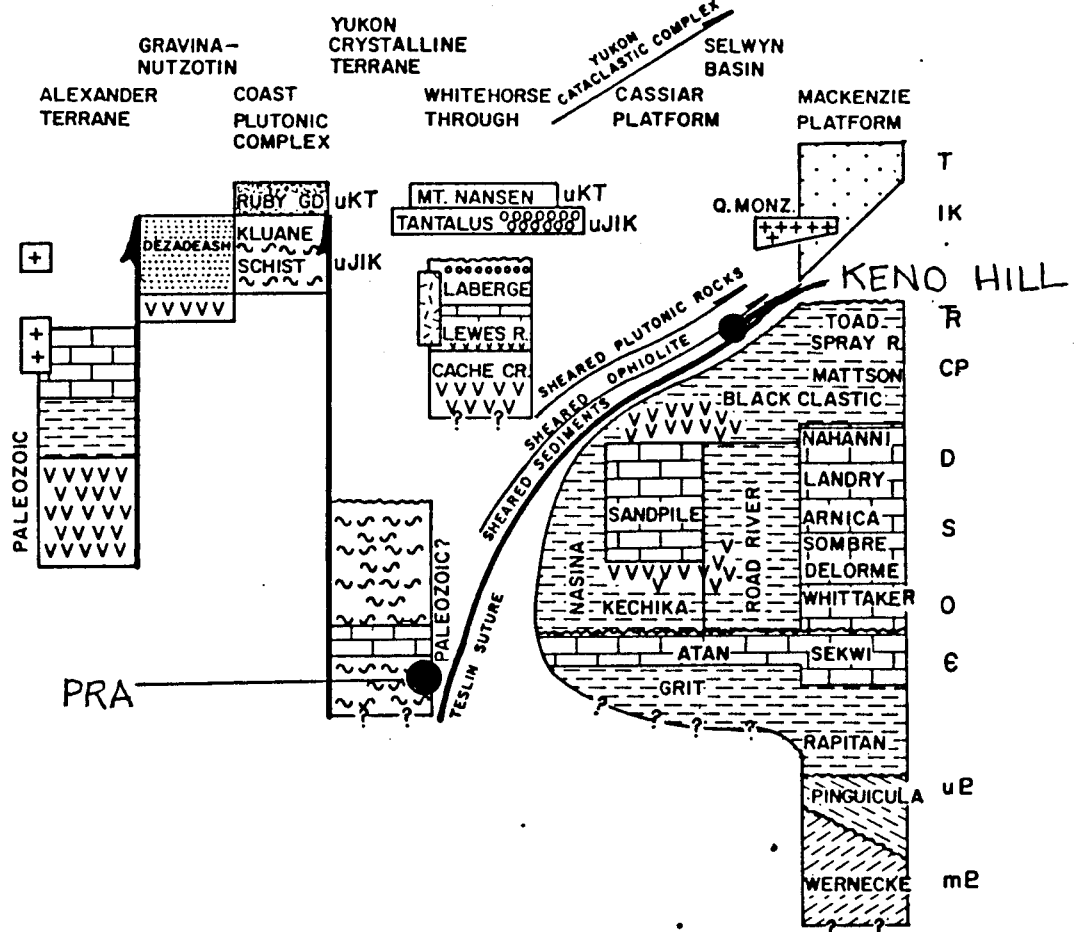
BUTLER GULCH PROPERTY

PRA CLAIMS

Regional Geology - Yukon

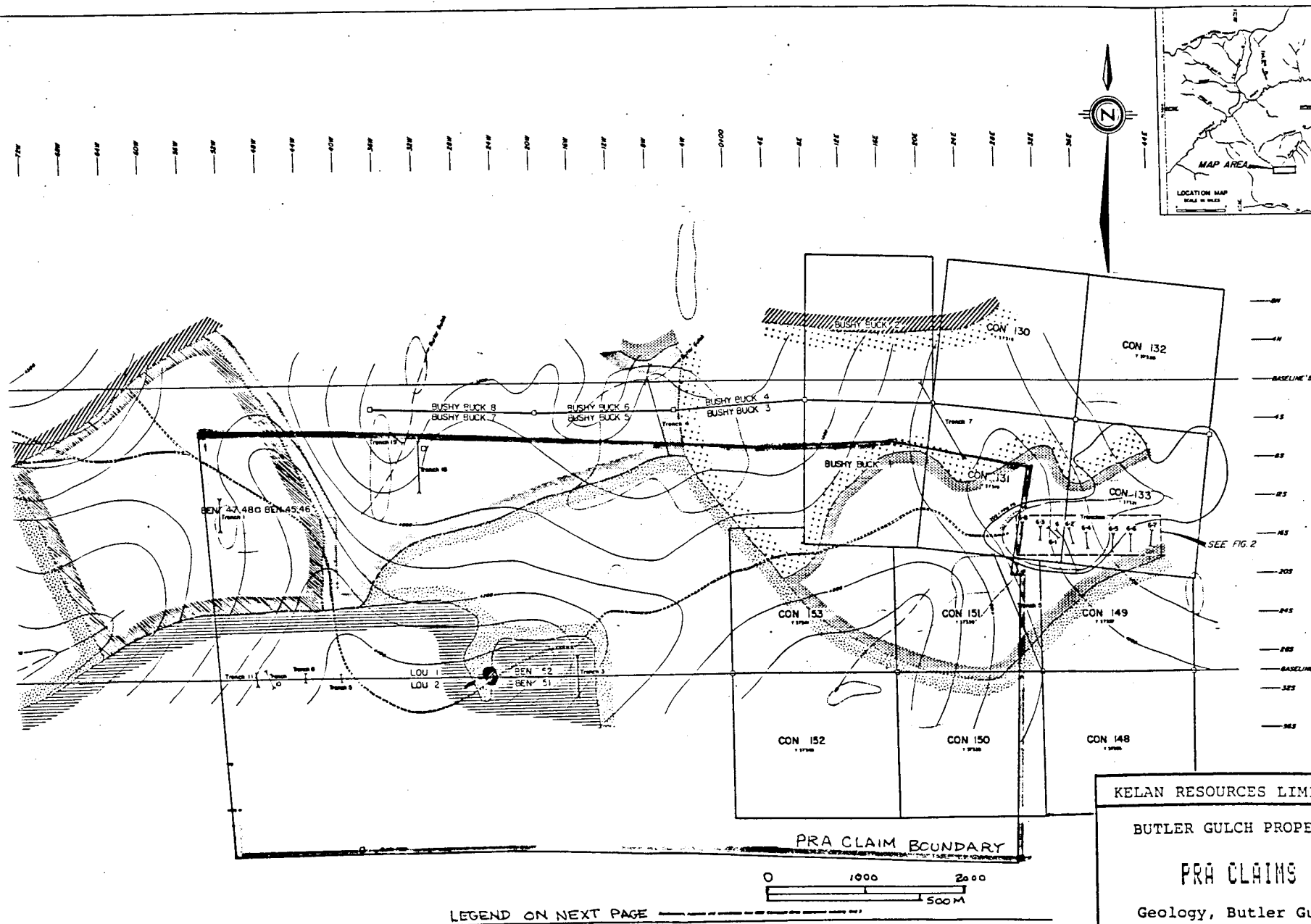
Figure 4.

FROM: TEMPLEMAN-KLUIT, (1979)



LB

LEGEND FOR FIGURE 4



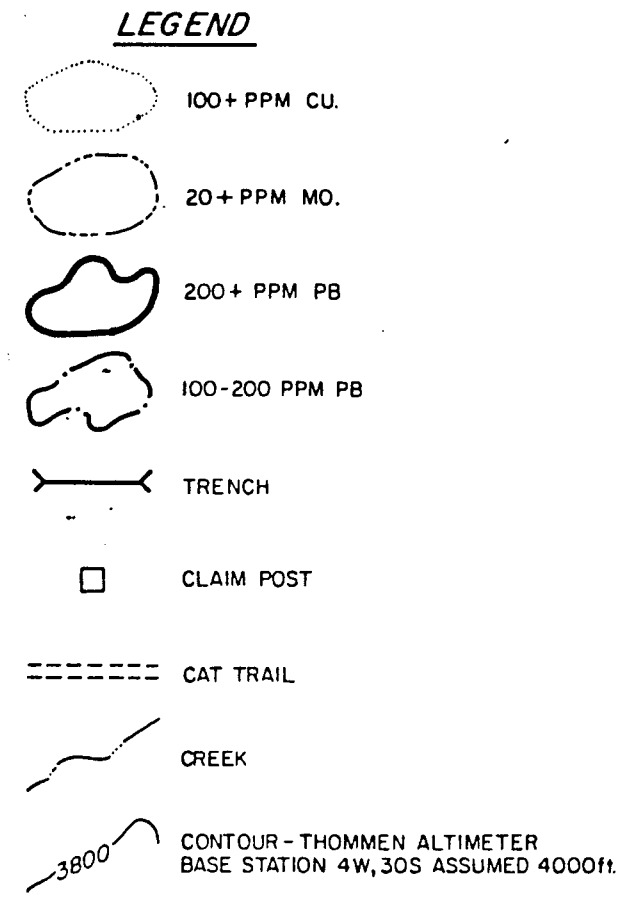
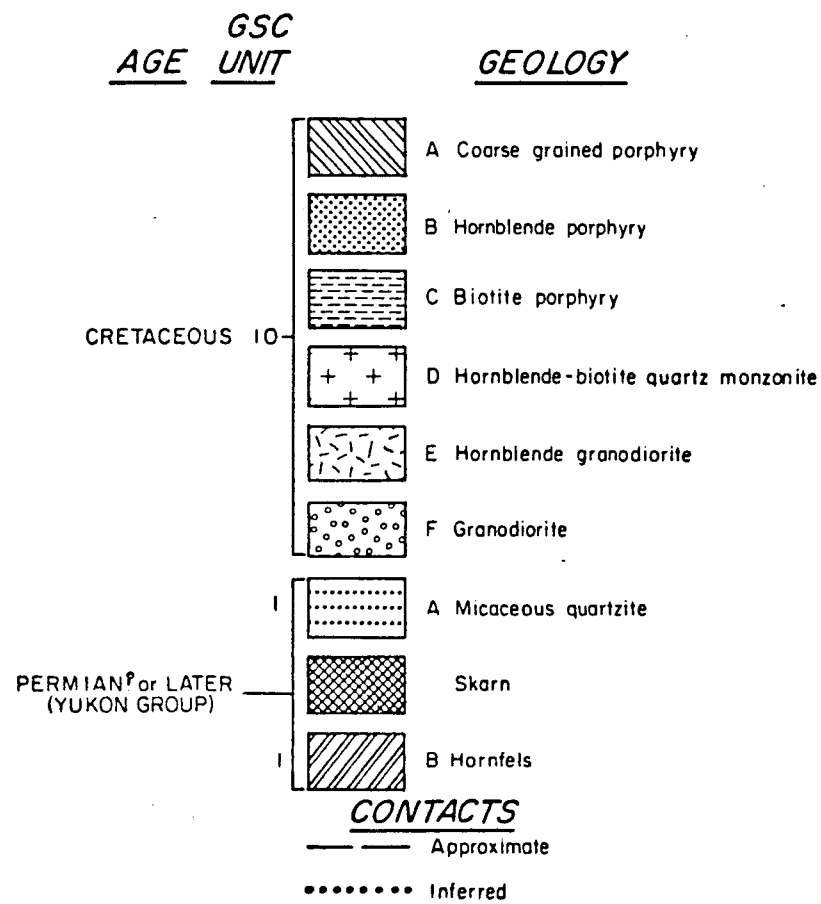
KELAN RESOURCES LIMITED

BUTLER GULCH PROPERTY

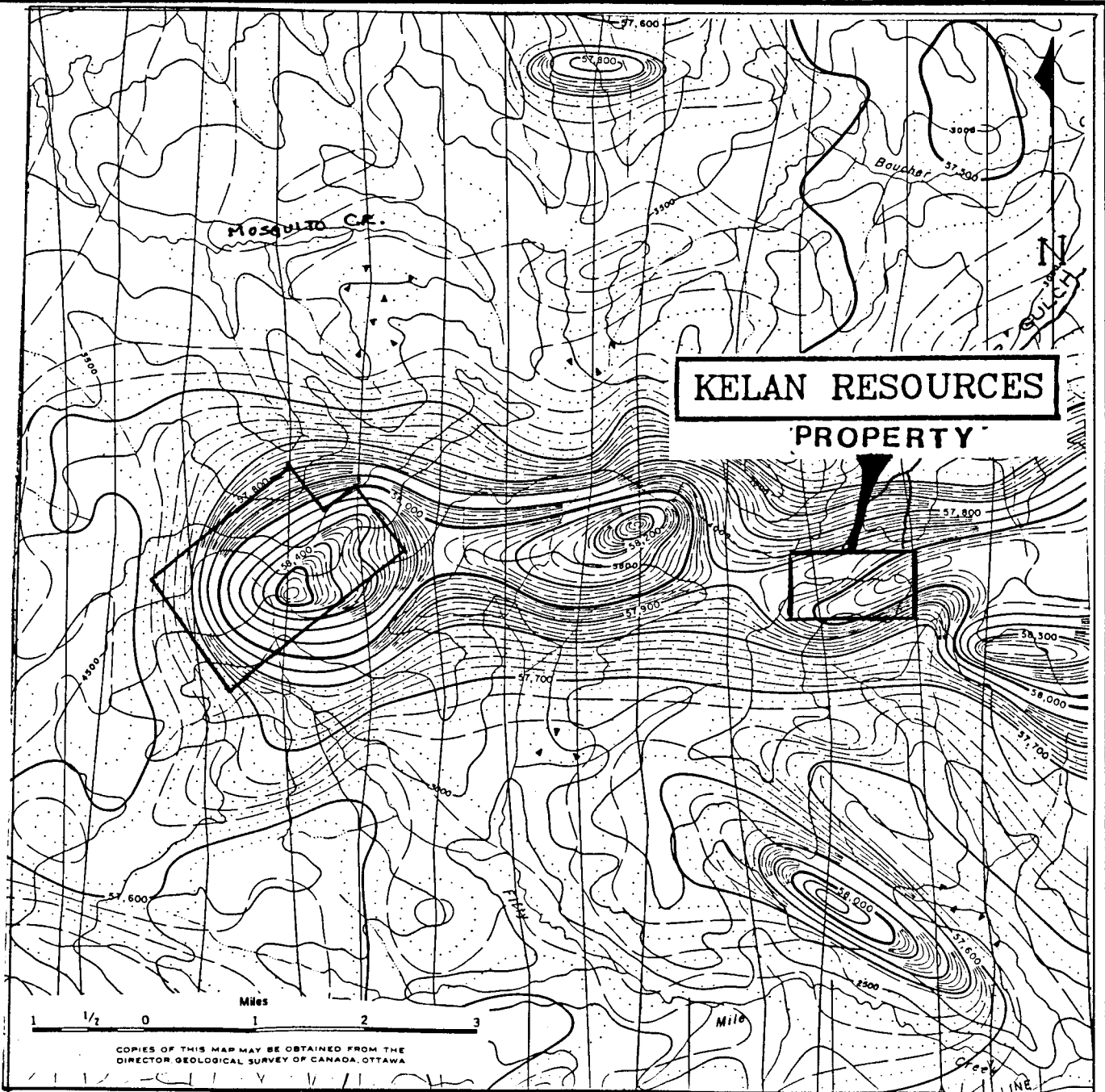
PRA CLAIMS

Geology, Butler Gulch.

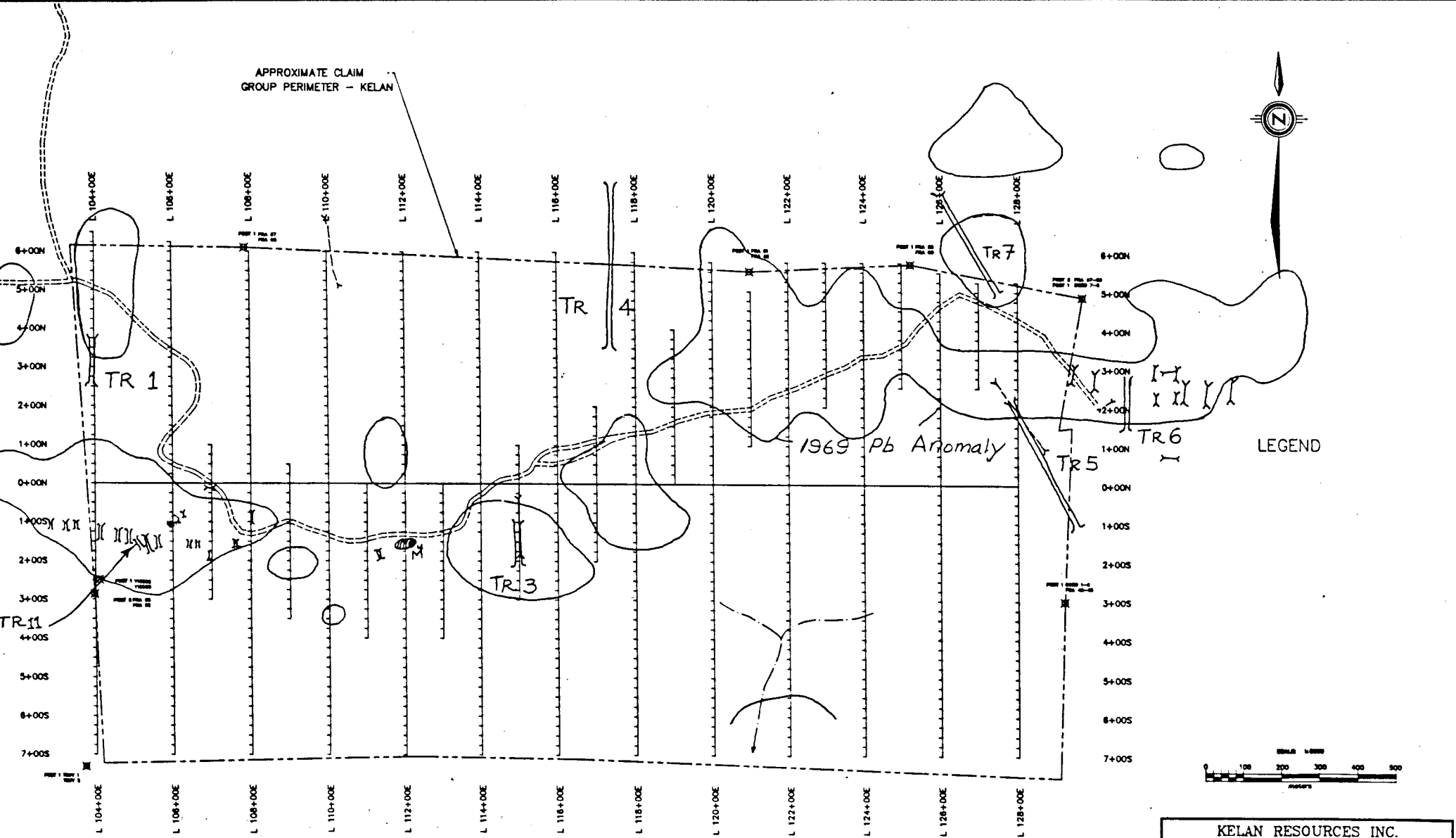
From: Figure 5:
Archer Cathro 1969
BARRY J. PRICE, M.Sc. 19



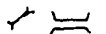


Legend for Figure 5A.



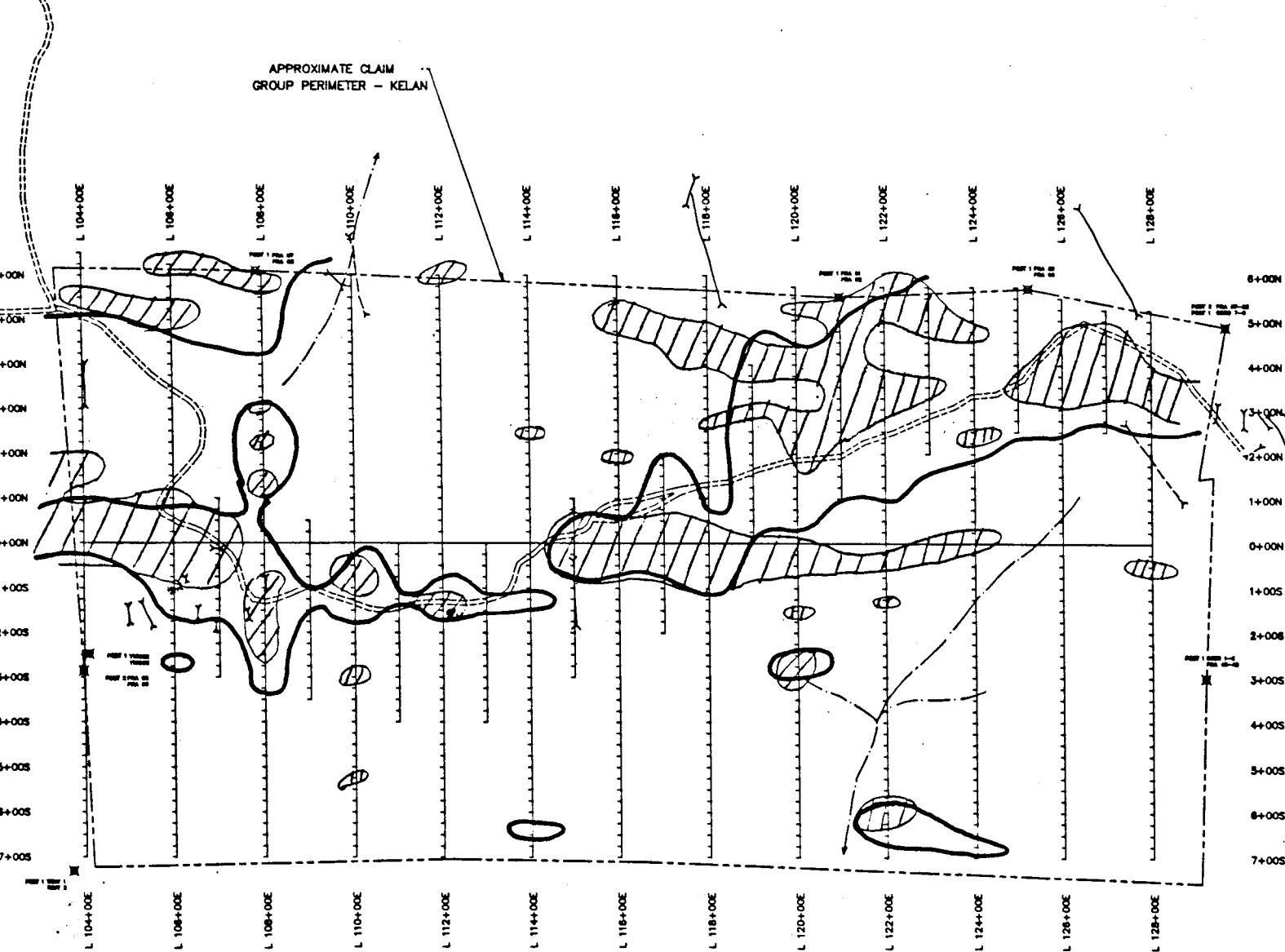
APPROXIMATE CLAIM
GROUP PERIMETER - KELAN



LEGEND

-  TRENCH
-  Pb > 100 ppm.
-  MAGNETITE.



KELAN RESOURCES INC.			
BUTLER GULCH PROPERTY			
PRA CLAIMS			
Road, Trenches and Grid.			
TO ACCOMPANY A REPORT BY BARRY PRICE F.G.A.C.			
Date:	N.T.S.	Mining Division	Figure: 7
JANUARY/89	1154/75	DAWSON	7
Prepared By: POND CAD SERVICES WWW: MAPPER-CAD SOFTWARE			



APPROXIMATE CLAIM GROUP PERIMETER - KELAN



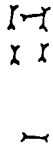
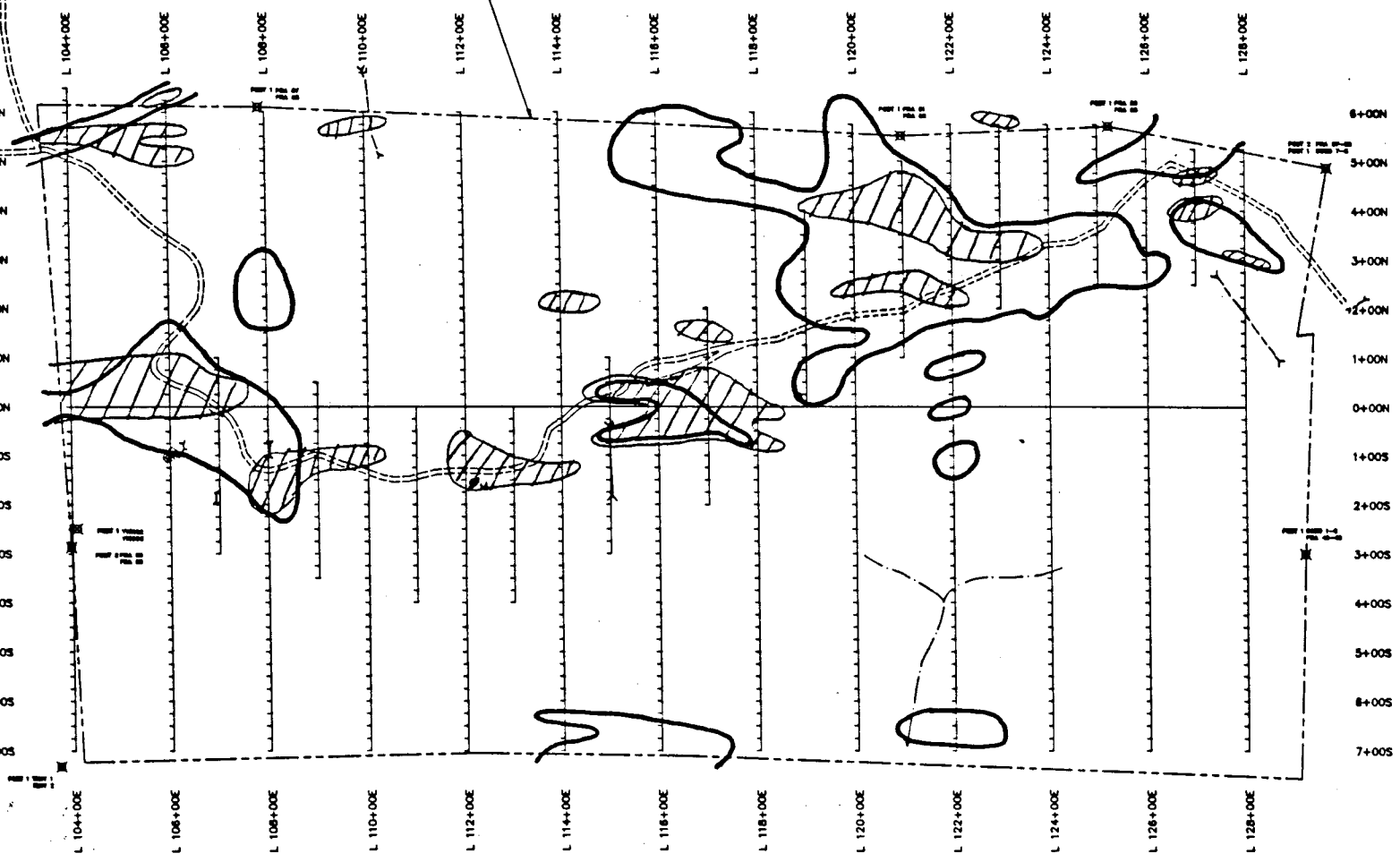
LEGEND

 MOST VALUES > 100 ppm Pb.
 > 1.0 ppm Ag.

KELAN RESOURCES INC.			
BUTLER GULCH PROPERTY			
PRA CLAIMS			
Geochemical Anomalies.			
Silver and Lead.			
TO ACCOMPANY A REPORT BY BARRY PRICE F.G.A.C.			
Date:	N.T.S.	Mining Division	Figure:
JANUARY 1980	115N/15	DAWSON	8

Prepared By: POND CAD SERVICES
 using MAPPER-CAD SOFTWARE

APPROXIMATE CLAIM
GROUP PERIMETER - KELAN



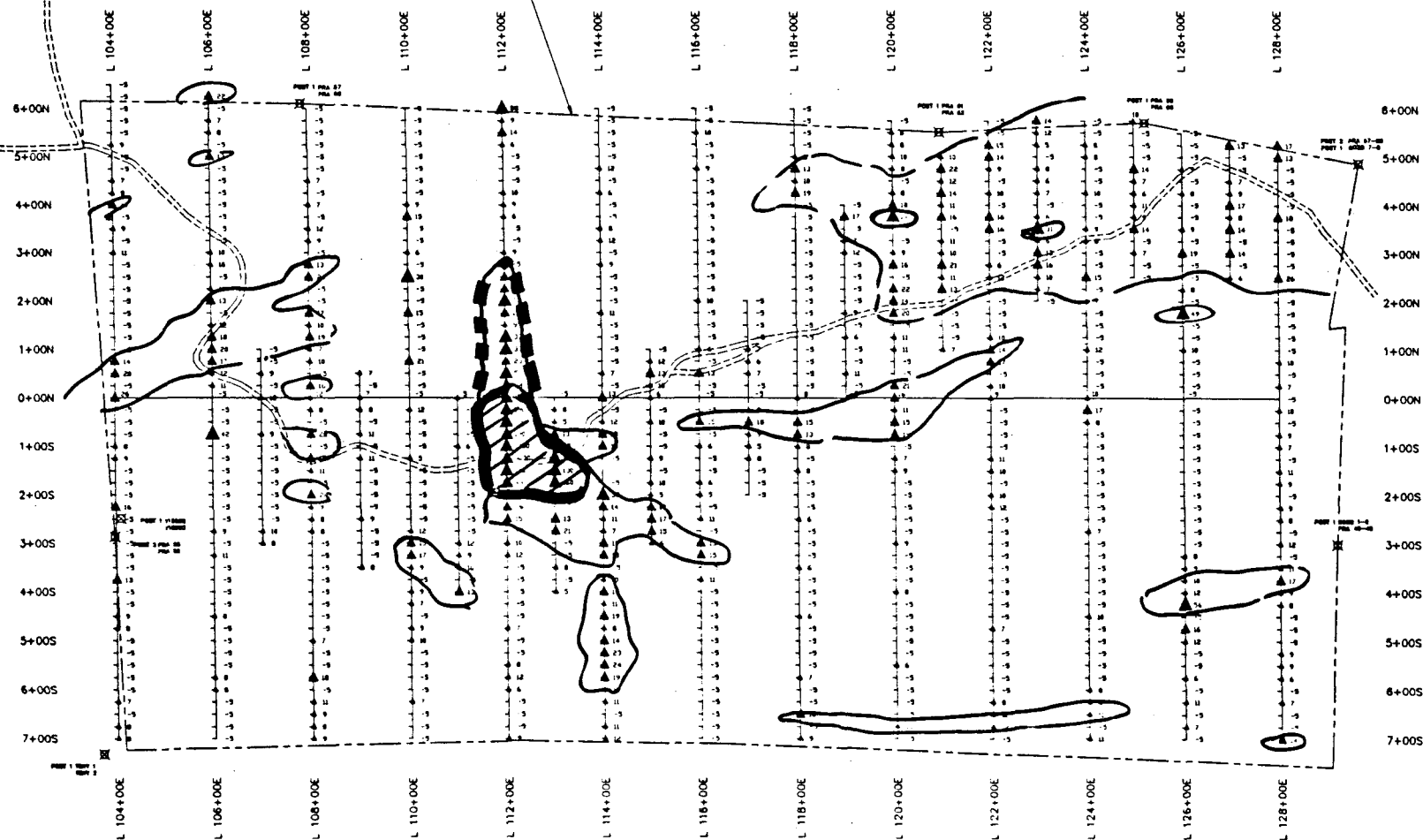
LEGEND



○ As > 100 ppm
 ▨ Sb > 3.0 ppm.

KELAN RESOURCES INC.			
BUTLER GULCH PROPERTY			
PRA CLAIMS			
Geochemical Anomalies.			
Antimony, Arsenic.			
TO ACCOMPANY A REPORT BY BARRY PRICE F.G.A.C.			
Date:	N.T.S.	Mining Division	Figure: 9.
JANUARY /88	1154/75	DAWSON	
Prepared by: POND CAD SERVICES <small>INC. MAPPRO-CAD SOFTWARE</small>			

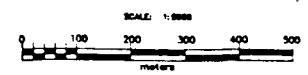
APPROXIMATE CLAIM
GROUP PERIMETER - KELAN



LEGEND

- ▲ Gold soil location and anomaly level
- ▲ > 30 ppb. b+2std.
- ▲ 13 ppb. to 29 ppb. b+1std.
- ▲ 5 ppb. to 12 ppb. background (b)

Au > 100 ppb.
 Au > 5 ppb



KELAN RESOURCES INC.			
BUTLER GULCH PROPERTY			
PRA CLAIMS			
Geochemical Anomaly. Gold.			
TO ACCOMPANY A REPORT BY: BARRY PRICE F.G.A.C.			
Date:	N.T.S.	Mining Division	Figure
JANUARY /80	115N/75	DA#50W	10
Prepared By: POND CAD SERVICES with MAPPER-CAD SOFTWARE			

STATEMENT OF COSTS

Prorata Assessment Work Valuation; Pra 45-57,59,61,63,65,67 claims, Kelan Resources Ltd.

A. Fieldwork

H. Keyser, B.Sc. of Vancouver, B.C. 11.79 days @ \$250.00/day:	\$ 2946.28
R. Hulstein, B.Sc. of Whitehorse, Yukon 0.57 days @ \$250.00/day:	142.85
S. Dudka, B.Sc. of Vancouver, B.C. 11.86 days @ \$150.00/day:	1778.48
G. Smith, B.Sc. of Vancouver, B.C. 13.21 days @ \$150.00/day:	1982.04
B. Sauer, Sampler, of North Vancouver, B.C. 13.14 days @ \$170.00/day:	2234.17
M. VanDusen, Cook, of Whitehorse, Yukon 5.71 days @ \$140.00/day:	799.96
C. Axford, Sampler, of Dawson, Yukon 9.0 days @ \$120.00/day:	1080.00
Subtotal:	<u>10963.78</u>

B. Equipment Rental

Truck rental (Norcan, Whitehorse):	1922.27
Yamaha ATC'S:	1925.00
Caterpillar D8K (Roadbuilding):	10,168.06
Helicopter charter:	557.97
Subtotal:	<u>14573.30</u>

C. Analytical Costs

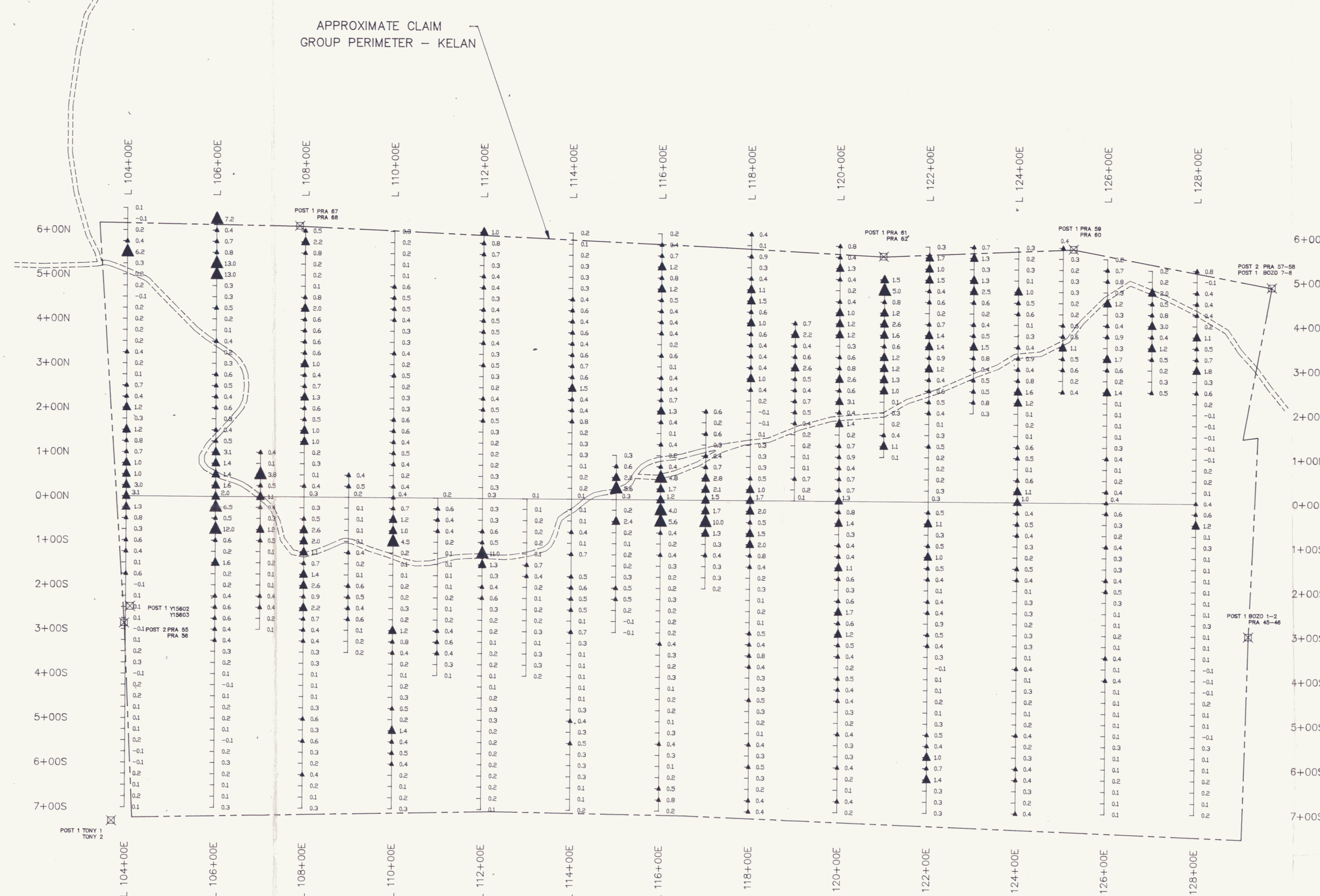
4 rocks @ \$59.50:	238.00
867 soils @ \$13.15:	11401.05
Subtotal:	<u>11639.05</u>

.../2

D. Support Costs

Gas & fuel:	1739.28
Camp supplies:	1904.86
Maps & reprographics:	149.12
Meals & accommodations:	548.78
Office supplies:	73.71
Freight & postage:	1084.98
Field supplies:	828.84
Travel Expenses:	1608.69
Groceries:	1042.91
Camp Construction:	9050.98
Surveying & grid establishment:	2229.16
Telephone calls & miscellaneous:	65.16
Subtotal:	<u>20326.47</u>

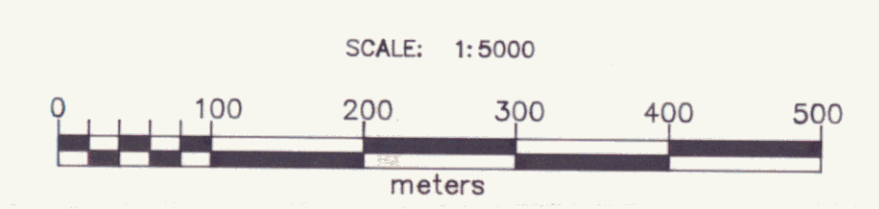
Total Project Costs: \$ 57502.59



LEGEND

- ▲ Silver soil location and anomaly level
- ▲ ≥ 3.5 ppm. b+2std.
- ▲ .95 ppm. to 3.4 ppm. b+1std.
- ▲ .4 ppm. to .94 ppm. background (b)

Values shown as -0.1 are below detection.



KELAN RESOURCES INC.

GOLDEN CRAG PROJECT
PRA CLAIM GROUP

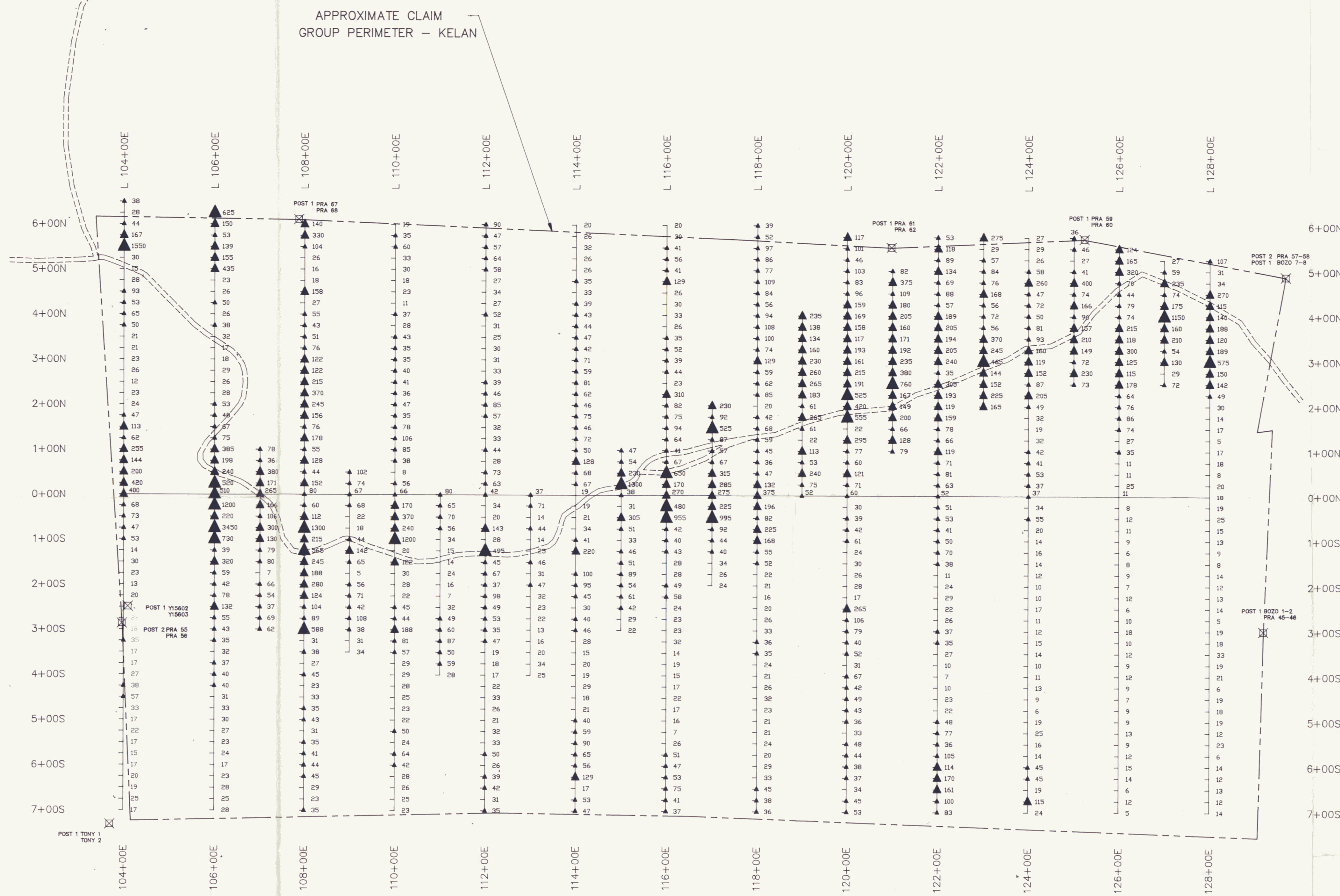
Silver (Ag) in Soils

667

TO ACCOMPANY A REPORT BY: BARRY PRICE F.G.A.C.

Date: JANUARY /88	N.T.S. 115N/15	Mining Division DAWSON	Figure:
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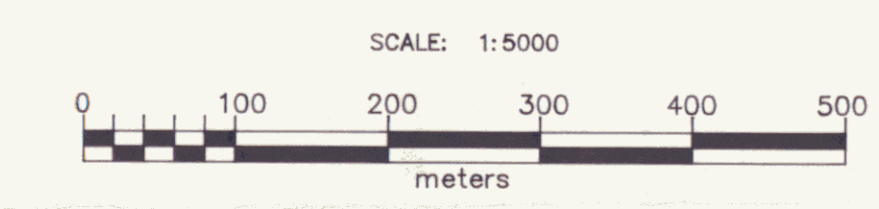
Prepared By: POND CAD SERVICES
With: MAPPER-CAD SOFTWARE



LEGEND

- ▲ Lead soil location and anomaly level
- ▲ ≥ 450 ppm. b+2std.
- ▲ 110 ppm. to 449 ppm. b+1std.
- ▲ 35 ppm. to 109 ppm. background (b)

Values shown as -2 are below detection.



KELAN RESOURCES INC.

GOLDEN CRAG PROJECT
PRA CLAIM GROUP

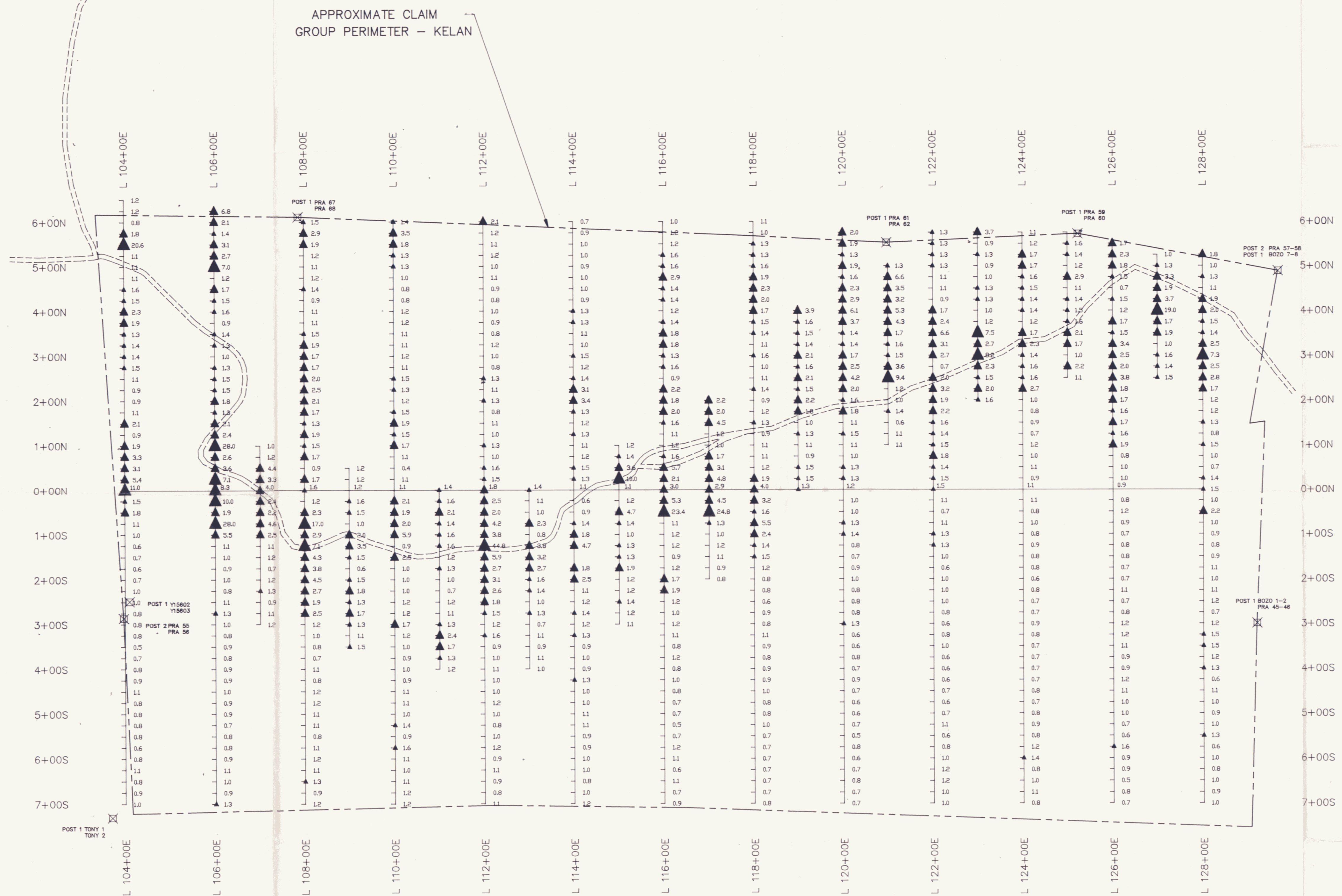
Lead (Pb) in Soils

669

TO ACCOMPANY A REPORT BY: BARRY PRICE F.G.A.C.

Date:	N.T.S.	Mining Division	Figure:
JANUARY /88	115N/15	DAWSON	

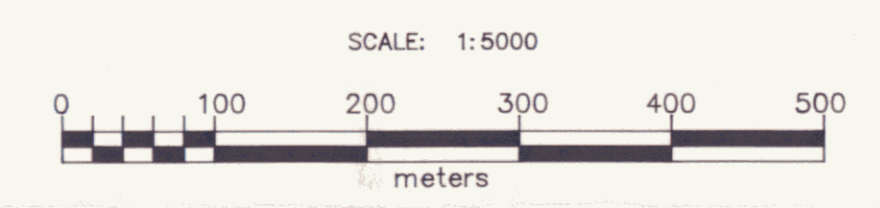
Prepared By: POND CAD SERVICES
With: MAPPER-CAD SOFTWARE



LEGEND

- ▲ Antimony soil location and anomaly level
- ▲ ≥ 7.0 ppm. b+2std.
- ▲ 1.7 ppm. to 6.9 ppm. b+1std.
- ▲ 1.3 ppm. to 1.6 ppm. background (b)

Values shown as -0.2 are below detection.



KELAN RESOURCES INC.

GOLDEN CRAG PROJECT
PRA CLAIM GROUP

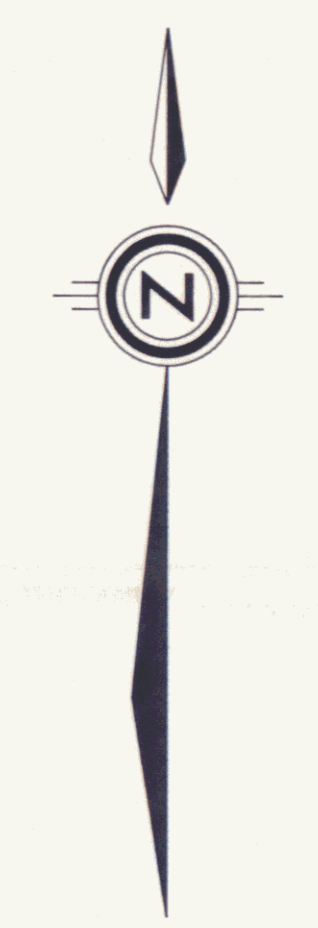
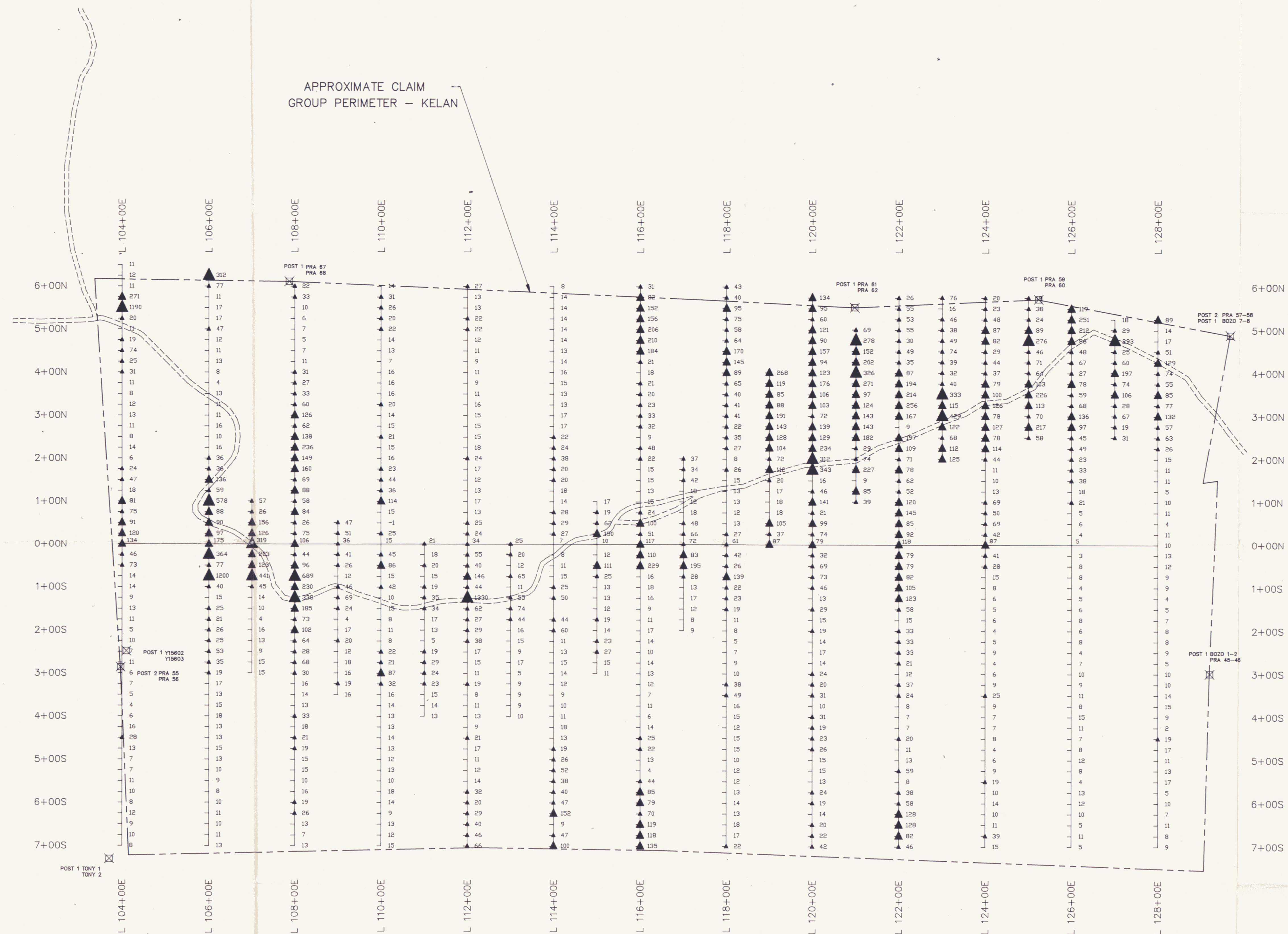
Antimony (Sb) in Soils

666

TO ACCOMPANY A REPORT BY: BARRY PRICE F.G.A.C.

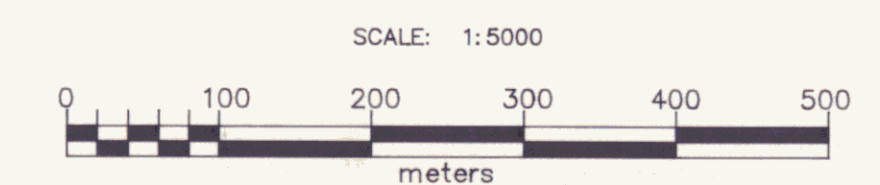
Date:	N.T.S.	Mining Division	Figure:
JANUARY /88	115N/15	DAWSON	

Prepared By: POND CAD SERVICES
With: MAPPER-CAD SOFTWARE



LEGEND

- ▲ 293
▲ 25
▲ 60
▲ 197
- ▲ Arsenic soil location and anomaly level
- ▲ ≥ 275 ppm. b+2std.
- ▲ 78 ppm. to 274 ppm. b+1std.
- ▲ 19 ppm. to 77 ppm. background (b)



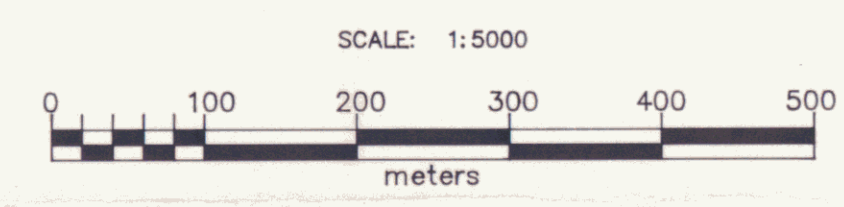
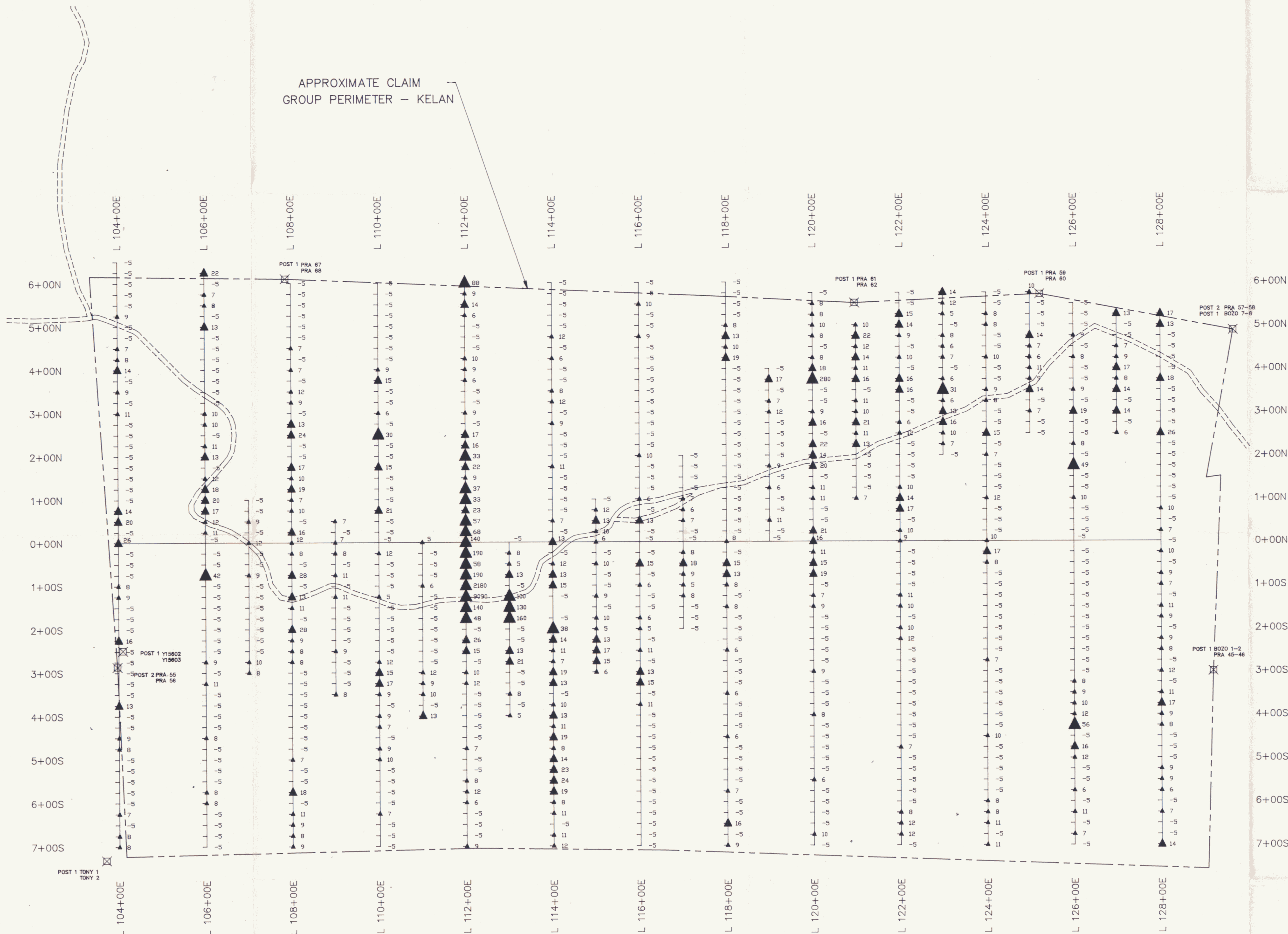
KELAN RESOURCES INC.

GOLDEN CRAG PROJECT
PRA CLAIM GROUP

Arsenic (As) in Soils

668

TO ACCOMPANY A REPORT BY: BARRY PRICE F.G.A.C.			
Date: JANUARY /88	N.T.S. 115N/15	Mining Division DAWSON	Figure:
Prepared By: POND CAD SERVICES With: MAPPER-CAD SOFTWARE			



KELAN RESOURCES INC.

GOLDEN CRAG PROJECT
PRA CLAIM GROUP

Gold (Au) in Soils 665

TO ACCOMPANY A REPORT BY: BARRY PRICE F.G.A.C.

Date:	N.T.S.	Mining Division	Figure:
JANUARY /88	115N/15	DAWSON	

Prepared By: POND CAD SERVICES
With: MAPPER-CAD SOFTWARE