BRITISH COLUMBIA

PROSPECTORS ASSISTANCE PROGRAM

MINISTRY OF ENERGY AND MINES

GEOLOGICAL SURVEY BRANCH

PROGRAM YEAR:	1999/2000
REPORT #:	PAP 99-1
NAME:	JOHN KERR

Prospecting Report

-- on the --

ROCK CREEK AREA, BRITISH COLUMBIA
(Reference Number 99/2000P1)

-- located --

NTS: 82E, map sheets 2 and 3
Geographic Coords: Latitude 49 00′ to 49 10′N
Longitude 118 45′ to 119 30′W

-- with reference to --

Prospectors Assistance Program
Grantee: John R. Kerr

Prepared by:
John R. Kerr, Grantee
#1702 - 438 Seymour Street
Vancouver, B.C. V6B 6H4

October 30, 1999

PROGRAM PROPOSAL - PART B
Location of Proposed Project(s)

Indicate on this map (using an "X") the general location of each of the projects covered by this proposal.

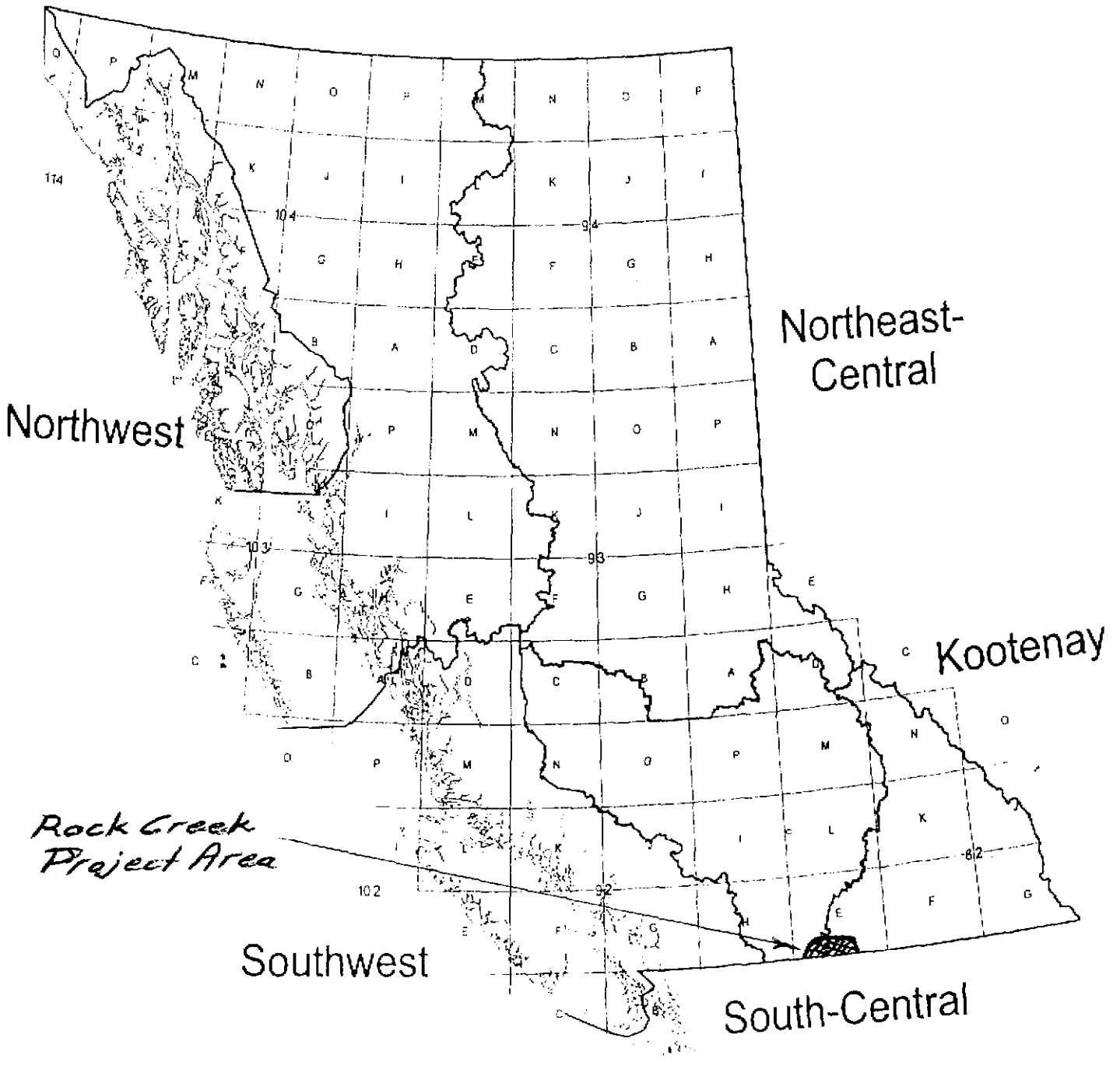


Figure 1

Index:

List of Maps:

Appendices:

INTRODUCTION

John R. Kerr, the grantee, was awarded a prospectors grant (99/2000P1) to complete reconnaissance geochemistry and prospecting in a 700 square kilometer area centered in Rock Creek, British Columbia. The area is suited to host several styles of mineral deposits, however the principal target was skarn gold deposits similar in nature to the Crown Jewel gold deposit in Washington, USA, approximately 4 km south of the 49th parallel and the project area. This deposit is being groomed by Battle Mountain Gold Mines Ltd. for production of gold, and contains some 1.6 million ounces of gold in approximately 8.8 million tons of ore.

Other significant deposits in the area are the skarn copper deposits of the Phoenix camp, vein gold deposits of the McKinney camp, ultramafic associated nickle/chrome/gold occurrences, porphyry copper/molybdenum occurrences, multi-element VMS occurrences, preserved uranium gravel deposits, and placer gold. The nature of the reconnaissance program and area was designed to test for all styles of mineralization, with emphasis on skarn gold deposits similar in nature to the Crown Jewel.

The thrust of the program was to compile all available data in the area from public and private files, utilizing the most pertinent data as the principal data base. This included the government sponsored RGS survey data, public and private airborne magnetic data, public geological maps, approximately 15 - 20 assessment reports, and updated claim maps. As the grantee has had considerable experience working in this area, much of the required database was already compiled, therefore only two to three days of research was required prior to commencement of field activities.

The field program commenced on June 4, 1999 and was completed on October 23, 1999. The original plans were for two phases of activities, however due to other work obligations, the program was divided into three phases. The initial showing of mineralization was discovered in an open roadcut, and as the grantee had left obvious signs of sampling (flagging) at the site, it was deemed necessary to provide an emergency staking venture, while travelling through the area in early July. The required prospecting days were therefore completed during the following periods:

June 4 - 13, 1999 - reconnaissance stream sampling (10 days). Phase I
July 9 - 11, 1999 - staking and baseline geochemistry (3 days).
August 6 - 15 - staking and property gridwork (9.5 days). Phase II
October 13 - 23 - property gridwork and prospecting (10.5 days). Phase III

The program consumed 33 working days, 30 which qualified as valid prospecting days according to definition.

LOCATION, ACCESS, TOPOGRAPHY, VEGETATION

The Rock Creek project area is contained in a 700 square kilometer area centered in Rock Creek, in south/central British Columbia ranging from the border with the United States of America to twenty kilometers north, and from the towns of Osoyoos in the west to Greenwood in the east. The area encompasses all known surface exposures of the late Paleozoic Anarchist group of rocks, and was selected for this reason.

Access is excellent throughout the project area, with well-travelled highways and logging roads existing along all major drainages. Highway #3 crosses the entire project area in an east-west direction from Osoyoos to Greenwood. Highway #33 follows the Kettle River in a north-south direction, north of Rock Creek. The Baldy Mountain ski development provides good road access to the northwestern portion of the project area. Updated road maps exist only at the Ministry of Forests offices in Penticton and Grand Forks. Other public topographic maps are very outdated regarding access roads.

Much of the southern portion of the area is on deeded farmland, and contains cultivated fields and grazing areas. The farmlands have been plaqued by hunters and sightseeing trespassers over the years, the owners being very sensitive to any signs of property trespass. The general approach during this exercise was to gain permission for trespass, explaining the reason and nature of the program. Most of the encounters were met with cooperation. Any animus situation was avoided, the desired sampling never completed.

The area is located within the eastern portion of the Interior Plateau, with plateau elevations ranging 900 - 1300 meters asl. In the plateau country, the nature of the topography is gently sloping and rounded hills that have been only slightly affected by the recent periods of glaciation. The two steeply carved valleys of the Okanagan River in the western portion of the area and the Kettle River in the central portion provides very steep valley walls, with elevation down to 300 meters asl. Local mountains in the northwestern portion of the area, including Baldy Mountain, range up to 2000 meters asl.

Vegetation is variable throughout the project area, ranging arid-semiarid, desert-like terrain in the Osoyoos area to grassland and heavy timber in the more elevated country. Timber includes large stands of merchantable fir, tamarack, pine, hemlock, and balsam, with small local occurrences of cedar and poplar. A very high percentage of the area has been subjected to clear-cut and selective logging methods. Alpine conditions exist at the high elevations of Baldy Mountain.

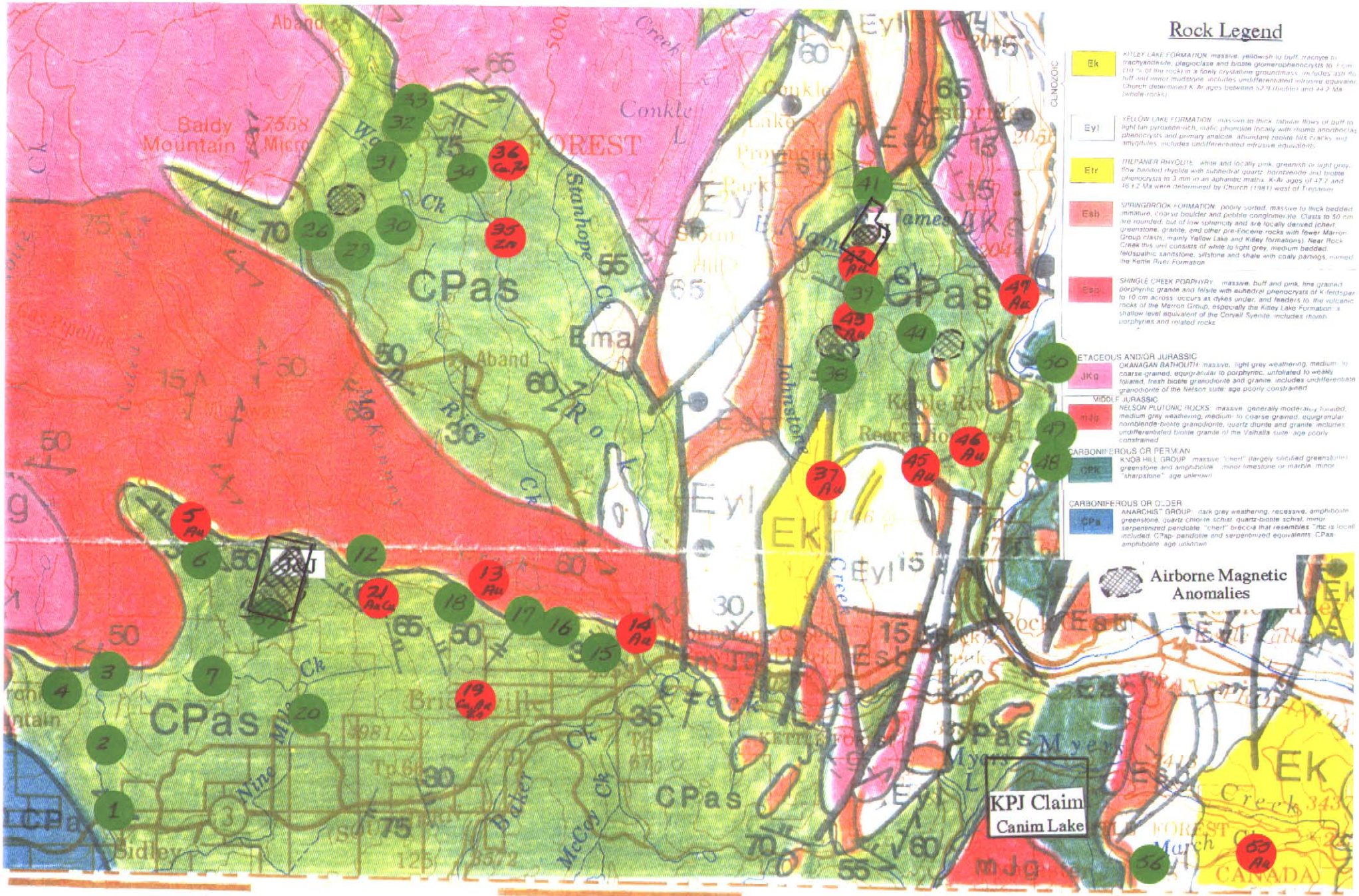


Figure 2

JOHN R. KERR
Rock Creek Program
June - October, 1999

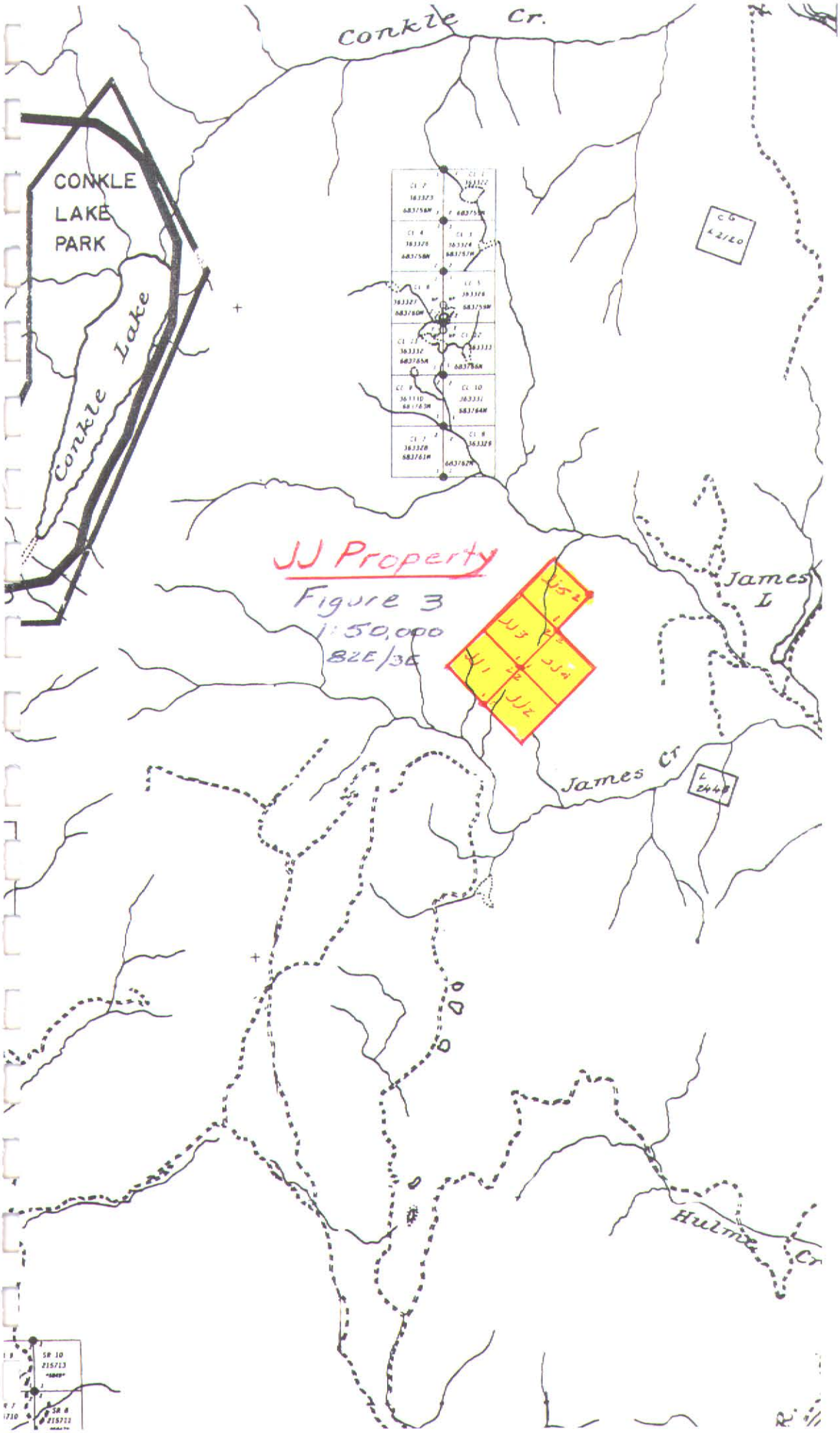
Regional Geology, Property and Sample Location

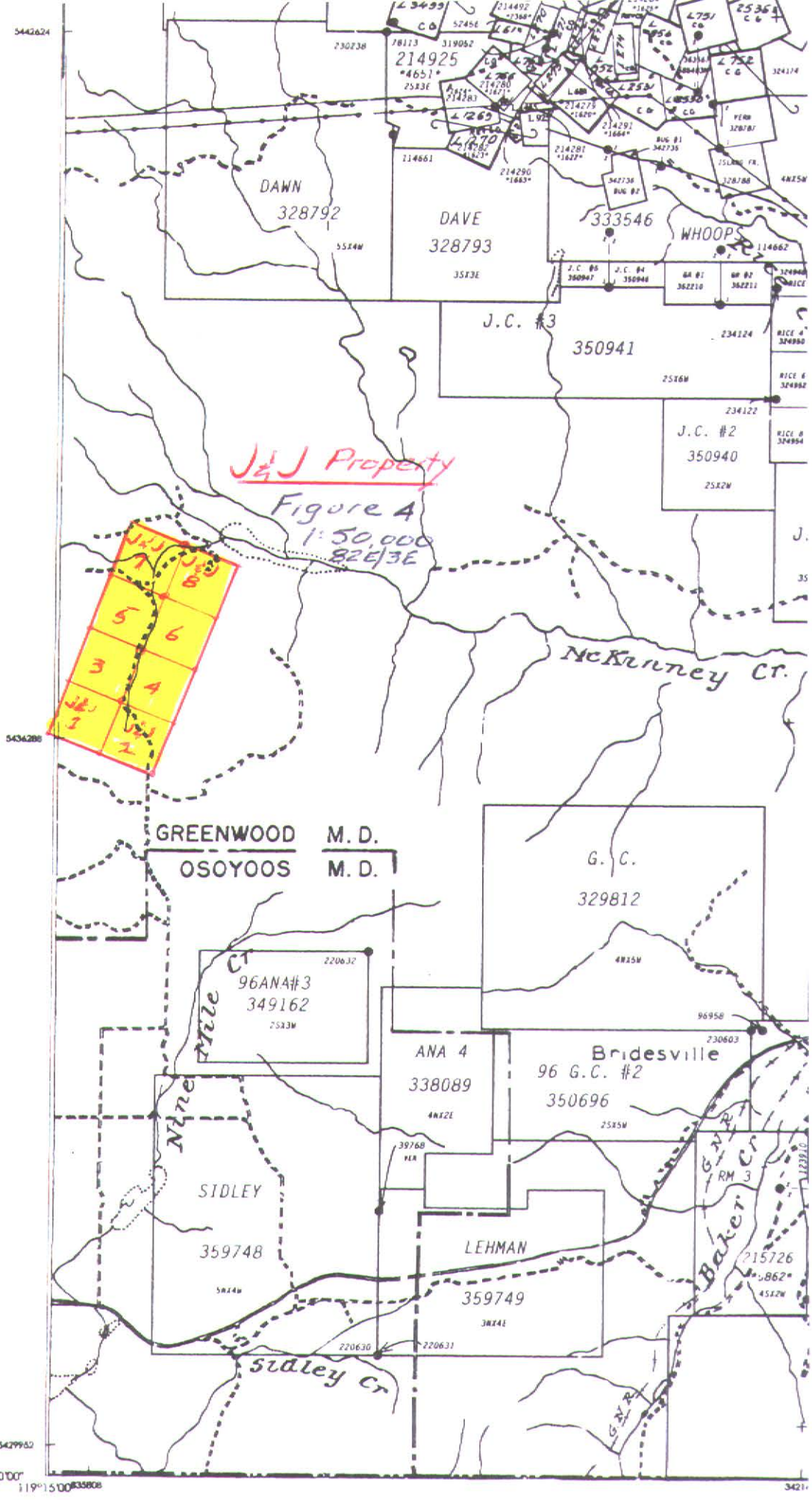
0 5 km
1:125,000

Silt Sample Locations

7 Not Anomalous - Sample numbers indicated

5 Au Anomalous - Sample numbers indicated (anomalous metals identified)


Conkle Cr.
CONKLE
LAKE
PARK
Conkle Lake
JJ Property
Figure 3
1:50,000
82E/3E
James L
James Cr
Hulme Cr


J & J Property
Figure 4
1:50,000
82E/3E
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328792
DAVE
328793
333546
WHOOPS
J.C. #3
350941
J.C. #2
350940
McKinney Cr.
GREENWOOD M.D.
OSOYOOS M.D.
G.C.
329812
96ANA#3
349162
Nine Mile Cr
ANA 4
338089
Bridesville
96 G.C. #2
350696
SIDLEY
359748
LEHMAN
359749
RM 3
Baker Cr
Sidley Cr
J&J
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1999 FIELD ACTIVITIES

The 1999 field activities commenced in early June as a one man sampling/prospecting venture. Utilizing public geological maps, RGS data, and private and public airborne magnetic data, the area was subjected to regional geochemistry. Specific targets included anomalous RGS sample points and/or airborne magnetic anomalies within rocks of the Anarchist group. Figure 2 summarizes the regional geology of the area as well as the airborne magnetic targets explored. In total, 53 silt samples were collected as part of this program. In total, 48 of these samples have been analyzed geochemically for 34 element ICP plus gold. In addition, 13 rock chip samples were collected during the program from specific or suspected mineral showing areas, also subjected to 34 element ICP plus gold. The location of most of these samples is shown on Figure 2.

All samples were submitted to the lab facility of Bondar-Clegg (ITS) in North Vancouver. All rock samples were pulverized to -80 mesh and silt samples screened to -80 mesh. Samples determination methods are discussed with the analytical results (Appendix A).

During the reconnaissance period, a road traverse along the Conkle Lake/Johnstone Ck. road revealed a strongly gossanous zone in intermediate volcanic rocks of the Anarchist group and associated with an airborne magnetic anomaly. Within this gossan, a northeasterly trending shear zone was discovered and suspected of positive economic mineralization. Two samples of the general gossanous exposure (R-60 and 63) and one sample of the mineralized shear (R-40) were collected. In addition, silt samples from the local drainages were collected (R-40, 41 and 42). All three of the rock chips are anomalous in gold, silver, copper, zinc, and lead, while two of the silts samples are definitely anomalous for similar metals. The shear zone contains values approaching the economic threshold for silver (9 opt), lead (0.5%), zinc (0.37%), and gold (.025 opt) over a narrow width of 0.15 meters. On receipt of these results, and the fact that the showing was located on a well-used road with freshly marked sample stations, it was deemed necessary and urgent to return to the site as soon as possible to locate claims.

In conjunction with another project, the grantee returned to the project area in early July to locate the JJ #1 - 4 claims. At the same time, it was considered worth the effort to complete some gridwork for data control and initial baseline soil geochemistry. This was completed on July 9th and 10th. Results of the initial soils substantiated the anomalous metal content in soil, establishing a viable exploration tool for the area.

Also during the initial reconnaissance, an old exploration pit (trench) was located on the west fork of McKinney Creek in volcanic rocks of the Anarchist group and associated with an airborne magnetic anomaly. Three rock chip samples (R- 10, 57, and 58) were collected from this area, indicating negative response for all metals of economic interest. The reason for the exploration pit could not be ascertained. Of three silts samples collected from drainages of this area (R- 08, 09, and 59), two showed weakly anomalous metal contents of gold, copper and nickle. The area was deemed of interest and subject of claim location as part of Phase II exploration.

Other anomalous values in silt samples have been reported. Those of significance are R- 19, and 21 (copper, gold, and zinc) northwest of the community of Bridesville; samples R- 37, 43, 45, 46, and 47 (gold), at the headwaters of Johnstone and Hulme Creeks; and R- 55 (gold) in March Creek. Samples R- 13, and 14 are also anomalous in gold, however were collected from McKinney Creek, and probably reflect gold from the old Camp McKinney area.

In August, Phase II exploration commenced for a ten day period. The J&J #1 - 8 mineral claims were located at the start of this phase. The claims cover the heart of a north/south trending magnetic anomaly, the anomalous silts, and the old exploration trench. The thrust of Phase II exploration was to develop grids on both staked properties with lines established at 100 meter intervals, and stations established every 50 meters along each line. Grid lines were established by compass and topofil methods, grid coordinates identified on flagging. All grid areas were subjected to a total field magnetometer survey, readings taken along each line at 25 meter intervals.

The magnetometer survey was completed using an Omnimag PPM-350 magnetometer. This phase was accelerated by hiring a field assistant for eight days to assist with staking, grid location and magnetometer readings. This assisted immensely in field progress, as the grid lines and magnetic readings could be taken at one time. The grantee's wife, Jeannette Kerr, was used as field assistant for this occasion. In total, 12.5 km of magnetic survey were completed on both properties during this phase, averaging 2.5 km per day of grid establishment and magnetic survey. In addition, the magnetometer was utilized for reconnaissance prospecting and identifying isolated magnetic anomalies and areas of interest.

Phase II also incorporated some limited soil sampling on the JJ claims and some initial baseline sampling on the J & J claims. A potential contamination problem resulted during the collection of the 12 baseline samples from the J & J claims. All samples reported weakly to moderately contents of gold with very weak results of other metals. Four of these sample sites were resampled as part of Phase III exploration, and the positive gold content reported in all samples recollected eliminated the likelihood of contamination of original samples.

Phase III commenced in mid October, and was completed over an eleven day period. This phase was a one-man (grantee) venture without assistance, and consisted of continued magnetometer traverses, prospecting, and geological mapping on both staked properties; the resampling of selected soils on the J & J claims; follow-up prospecting and sampling in the R- 21 and Johnstone Ck. areas; and continued prospecting in the area of the JJ claims. In total, an additional 6 km of magnetometer survey were completed. As this was a double traverse scenario, production was limited to an average of 1.5 km per day of grid lines and magnetic survey. The magnetometer was also used for reconnaissance prospecting traverses, again isolating discrete magnetic anomalies of potential interest.

During Phase III, and while prospecting the area immediately to the north of the JJ claims, another significant gossan zone and two suspected shear zones were discovered, similar in nature to the original gossan zone discovery. A decision was made to locate one additional claim (JJ #5) to cover this showing area. Subsequent sampling of this gossan area and shear zones (JJ-01, 02, and 03) indicated anomalous values (however not as strong as the original area) of gold, copper, zinc and silver.

The magnetometer survey results are compiled on Figure 5 (JJ claims), and Figure 8 (J&J claims). Individual magnetic readings are total magnetic field however have been reduced by 50,0000 gammas (for convenience). Metal maps, showing dispersion of copper, gold, zinc, silver, lead, and iron content in soils for the limited sampling on the JJ claims are displayed on Figures 7-a to 7-f. Details of results and interpretation are discussed in the separate property section.

During the course of magnetic surveys, geochemistry, and prospecting, rock exposures were tied into grid coordinates rock-types identified. On the JJ claims, sufficient rock identification and relationships were obtained to provide data for a geological plan, Figure 6. Interpretation from the magnetic data assisted in providing interpretation of this plan.

Total costs of the 1999 prospectors program are documented as **$ 10,022.72,** versus a budgeted program of $ 10,290. The major difference was the free magnetometer use.

ACQUIRED PROPERTIES

JJ #1 - 5 Claims: The JJ #1 - 5 claims are located on the Conkle Lake/Johnstone Creek road, 12 - 13 kilometers due north of the junction with Highway #3. Claims data are as follows:

Claim Name	No. Units	Type	Tenure No.	Location Date
JJ #1	one	two-post	370293	July 9, 1999
JJ #2	one	two-post	370294	July 9, 1999
JJ #3	one	two-post	370295	July 9, 1999
JJ #4	one	two-post	370296	July 9, 1999
JJ #5	one	two-post	372791	October 20, 1999

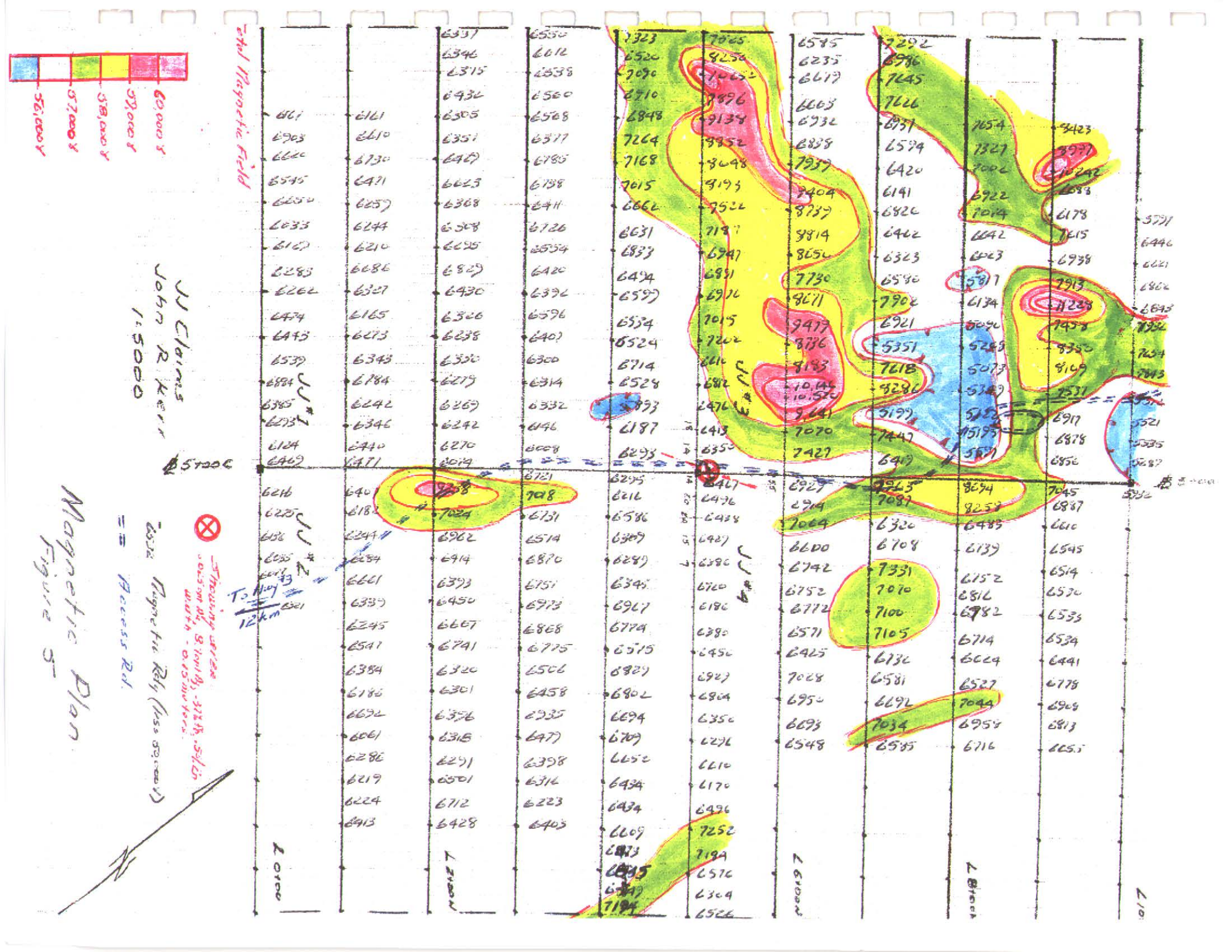
All claims are recorded in the name of John R. Kerr, grantee (FMC 113998) and are located in NTS 82E/3E, Greenwood Mining Division.

Good road access is possible to the claim area via the Conkle Lake road. Topography is moderately steep, rolling hill terrain, typical of the interior plateau area. Vegetation consists of timbered area, dominantly tamarack trees, with fir, balsam, jackpine and cedar. Underbrush is sparse. Outcrop areas are quite abundant, and form locally steep bluffy areas.

The claim area is underlain by intermediate volcanic rocks of the Anarchist Group intruded by a small felsic feldspar porphyry sill or stock. Ample outcrops of the intrusive rock have been identified, however the magnetic interpretation provides a more precise contact relationship.

Rock alteration of the Anarchist volcanics varies from weak to intense chlorite, epidote, and calcite, throughout the claim area. Magnetite has been identified with the magnetic anomalies, and it is believed that this is a secondary alteration mineral, possibly related to skarn mineralization. Other typical skarn minerals like garnet and diopside have yet to be identified in hand specimens.

In two areas on the claims, mineralized shear zones up to 0.15 meters wide have been identified with anomalous to appreciable contents of economic metals. The initial discovery shear contains 295 g/t (9 opt) silver, .9 g/t (.025opt) gold, .5% lead, and .37% zinc. The second shear zones contain only anomalous contents of copper (497ppm), silver (1.3g/t), and gold (58ppb), however could be classified as interest. Both shear zones are located in areas of iron oxidation causing a general gossan hue to the rock. Samples of this rock indicate anomalous contents of metals.


Majestic Field
60,000 ft
37,000 ft
18,000 ft
5,000 ft
JJ Claims
John R Kerr
1:5000
JJ #1
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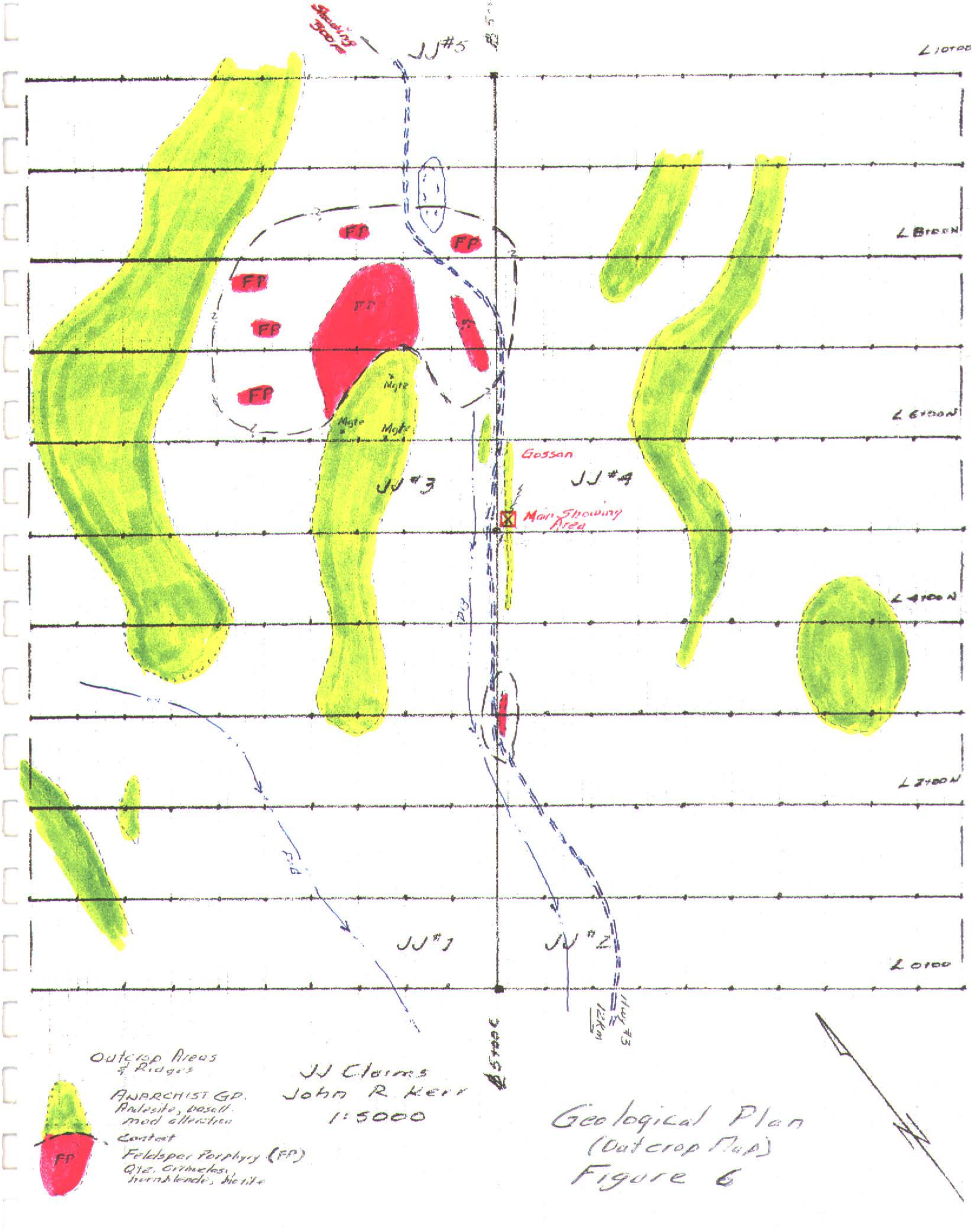
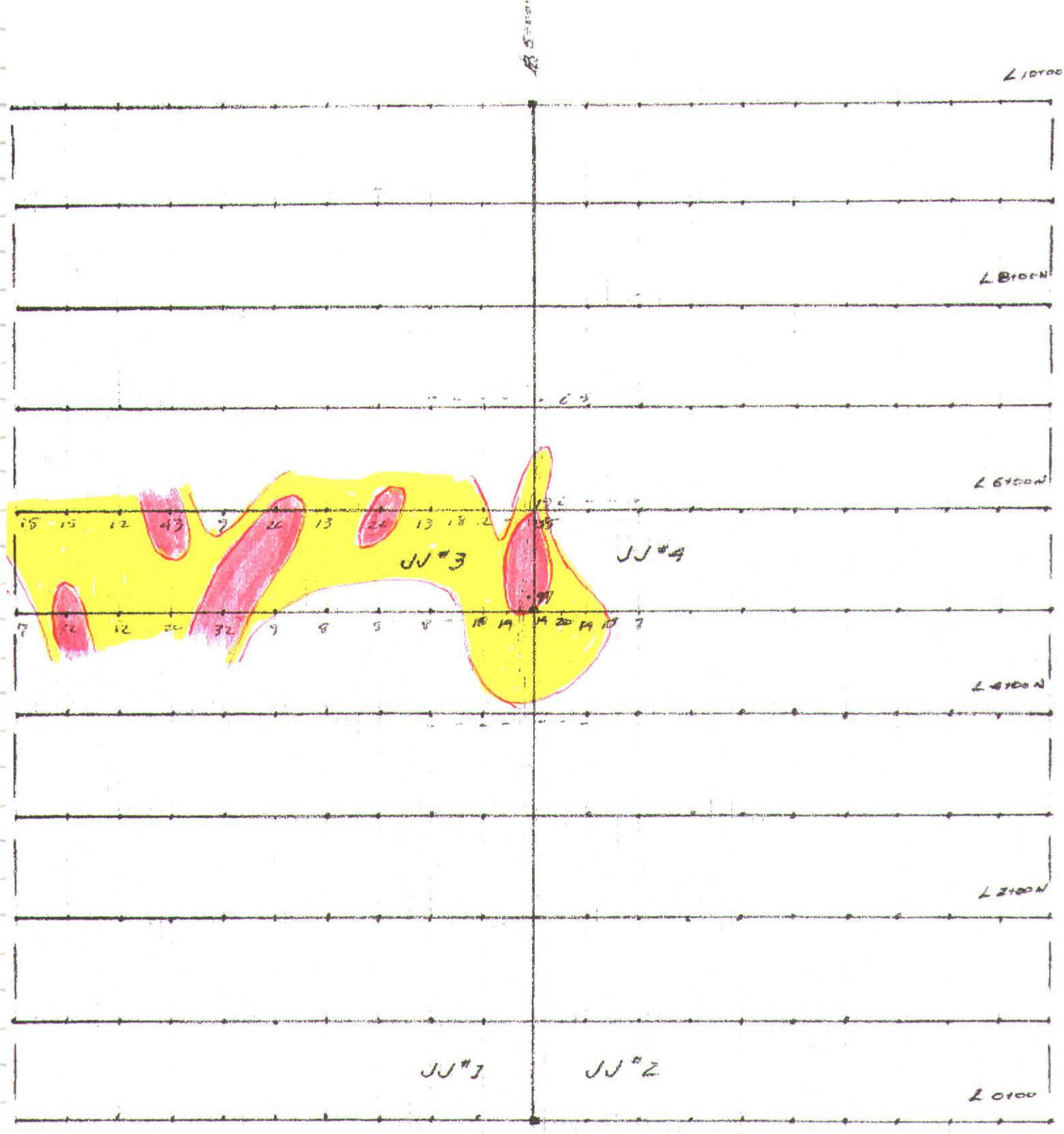
Majestic Plan
Figure 3
To Nicky
12km
Access Rd.
Proposed Water Line
Majestic Rdy (Pass Creek)



Geological Plan
(Outcrop Map)
Figure 6



GOLD IN SOILS

JJ Claims
John R. Keir
1:5000

Poss. Anom.
10 - 25 ppb

Def/Prob Anom.
>25 ppb.

Figure 7a.

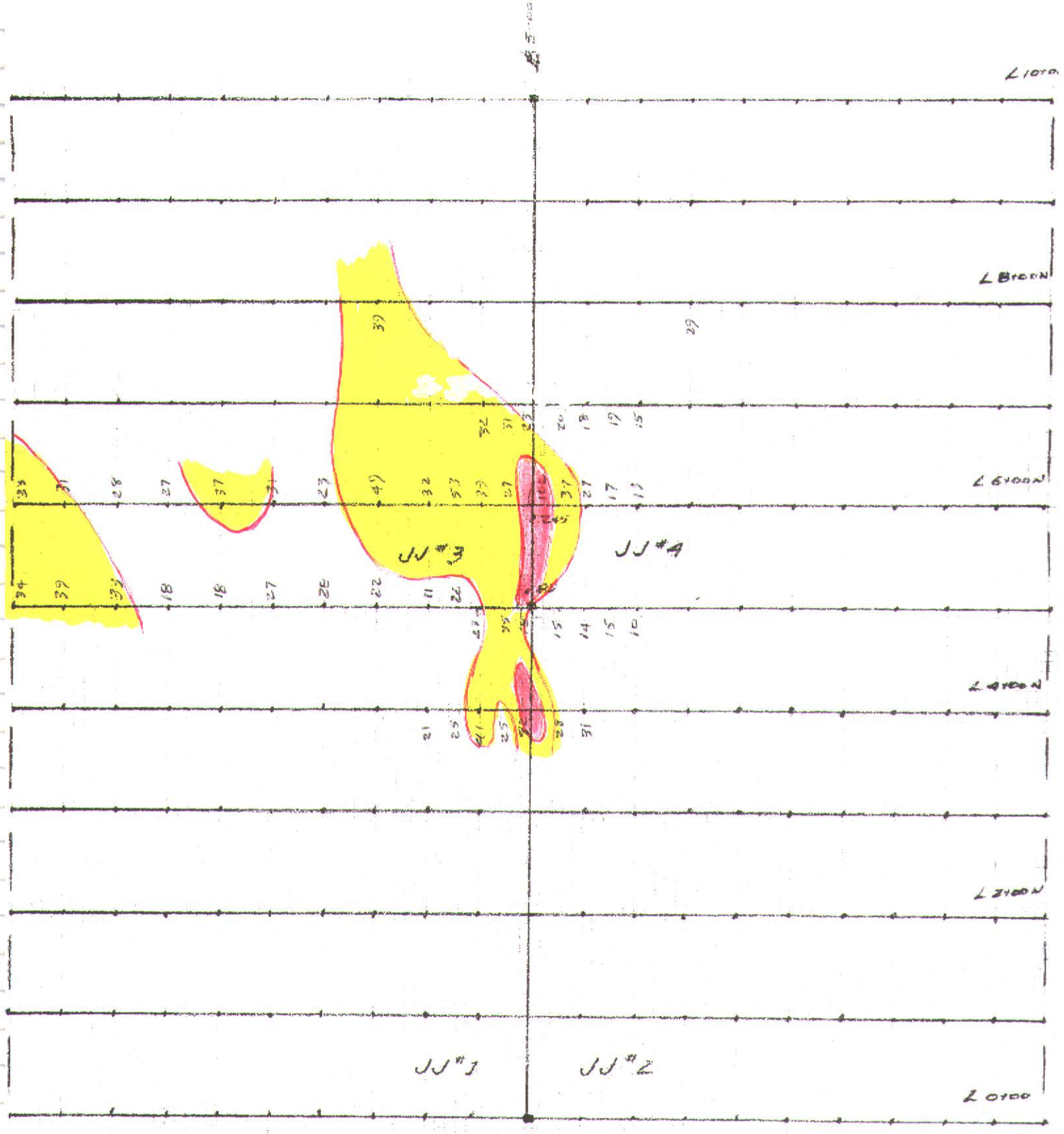
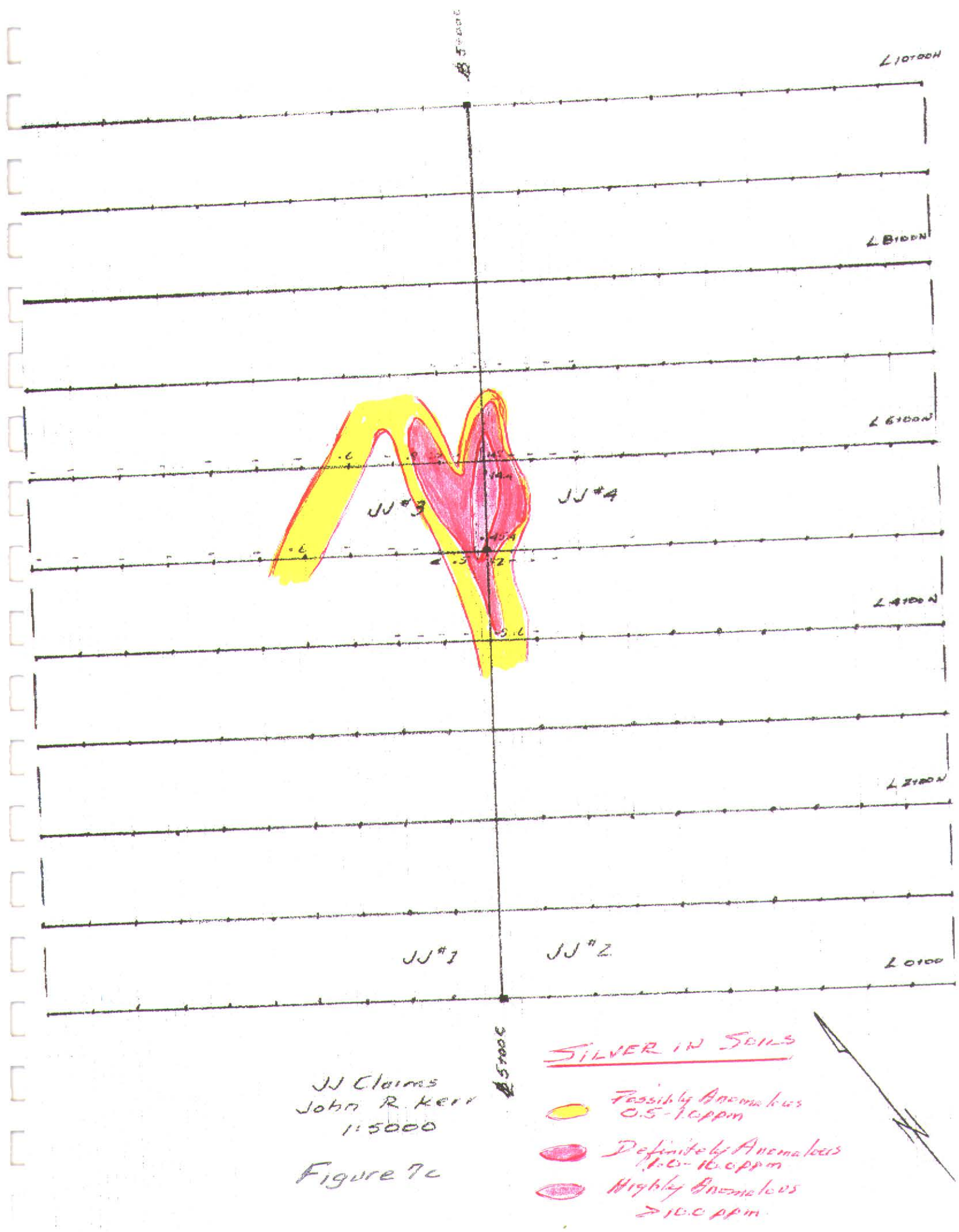
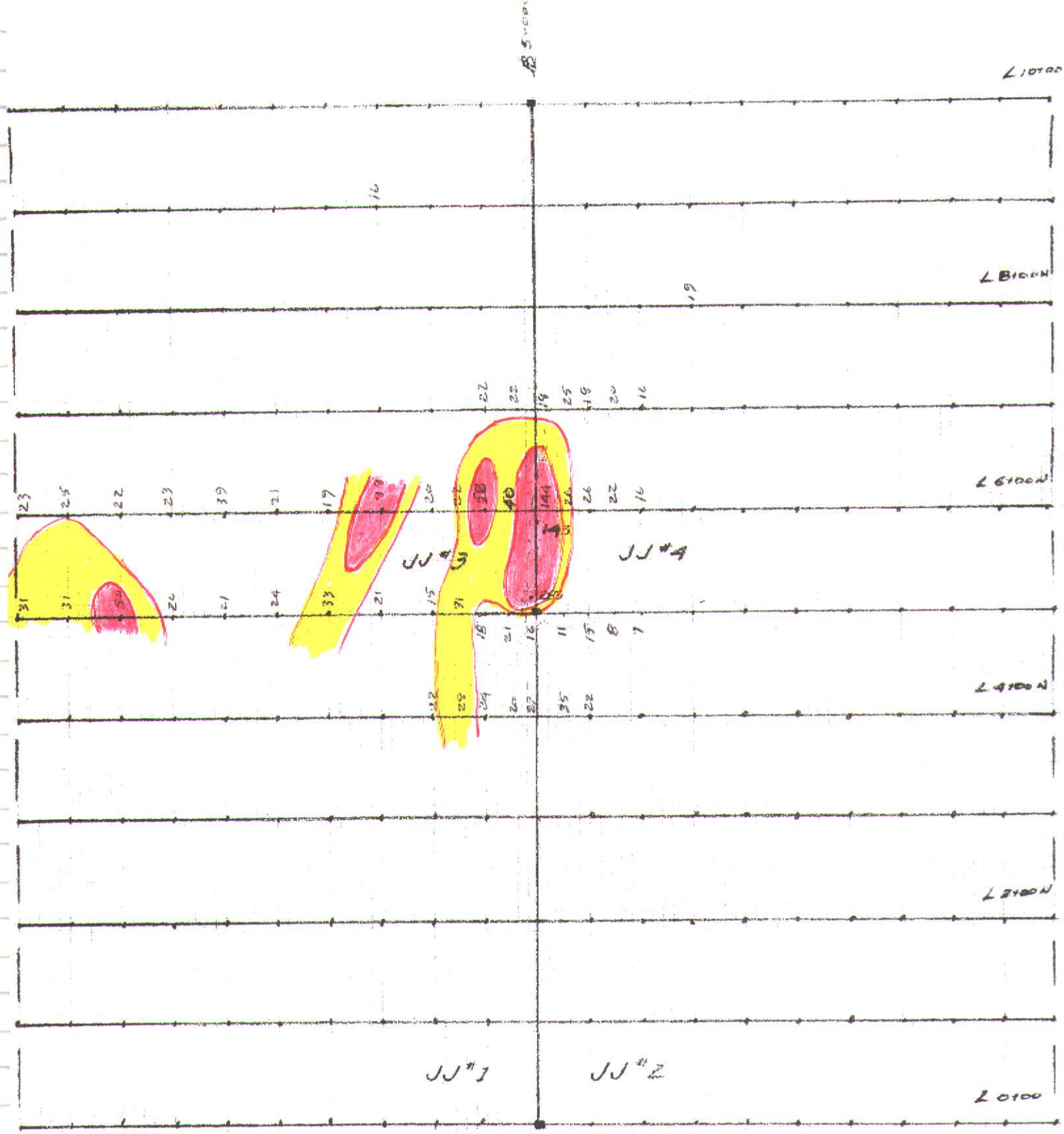

L 10+00
L BASE
L 6+00N
L 4+00N
L 2+00N
L 0+00
5+00E
JJ #3
JJ #4
JJ #1
JJ #2
COPPER IN SOILS
JJ Claims
John R. Kerr
1:5000
Poss. Anom
30-75ppm
Prob. Anom.
>75ppm.

Figure 7b



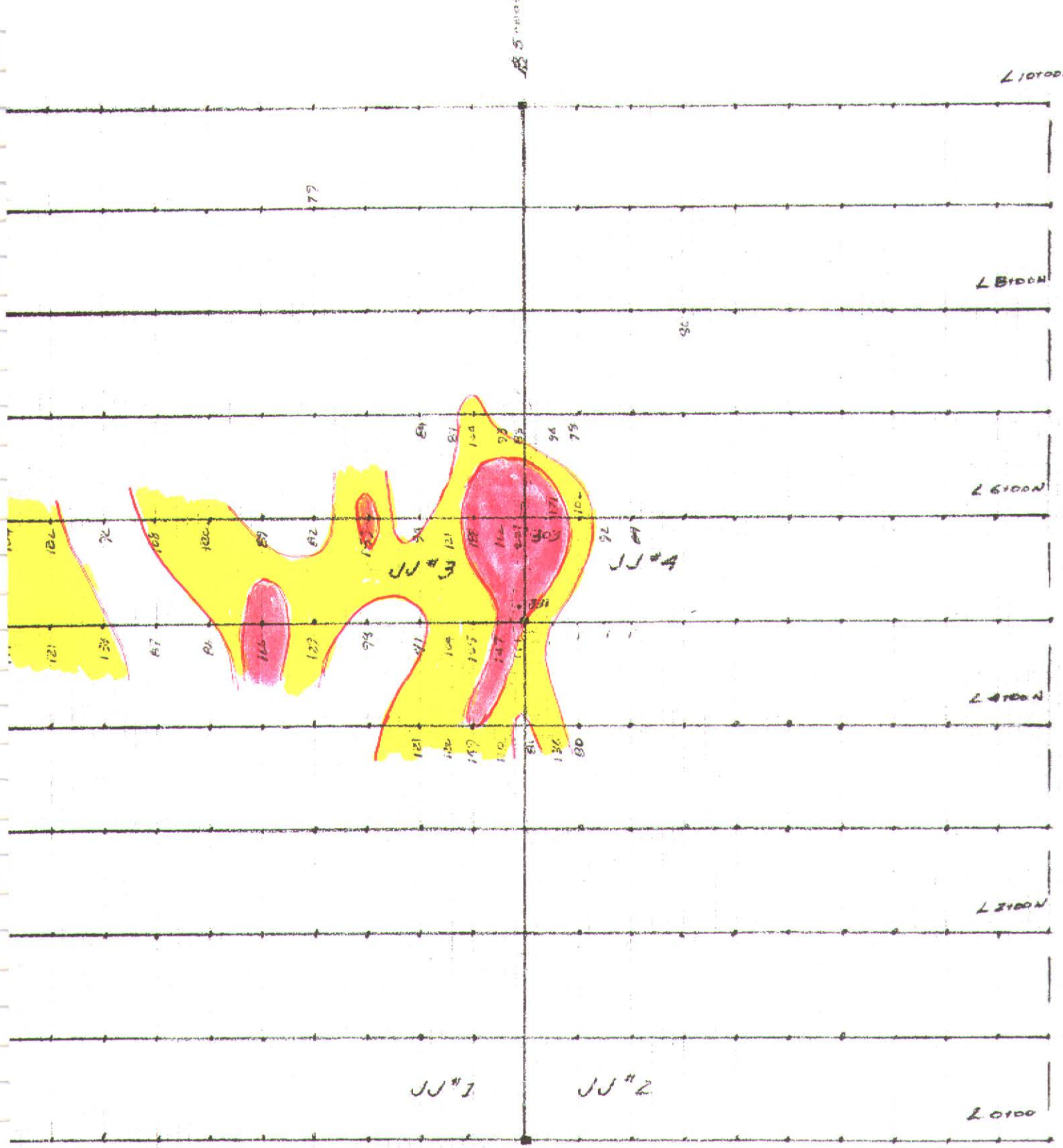
JJ Claims
John R. Keir
1:5000

Figure 7c



JJ Claims
John R. Kerr
1:5000

Figure 7d



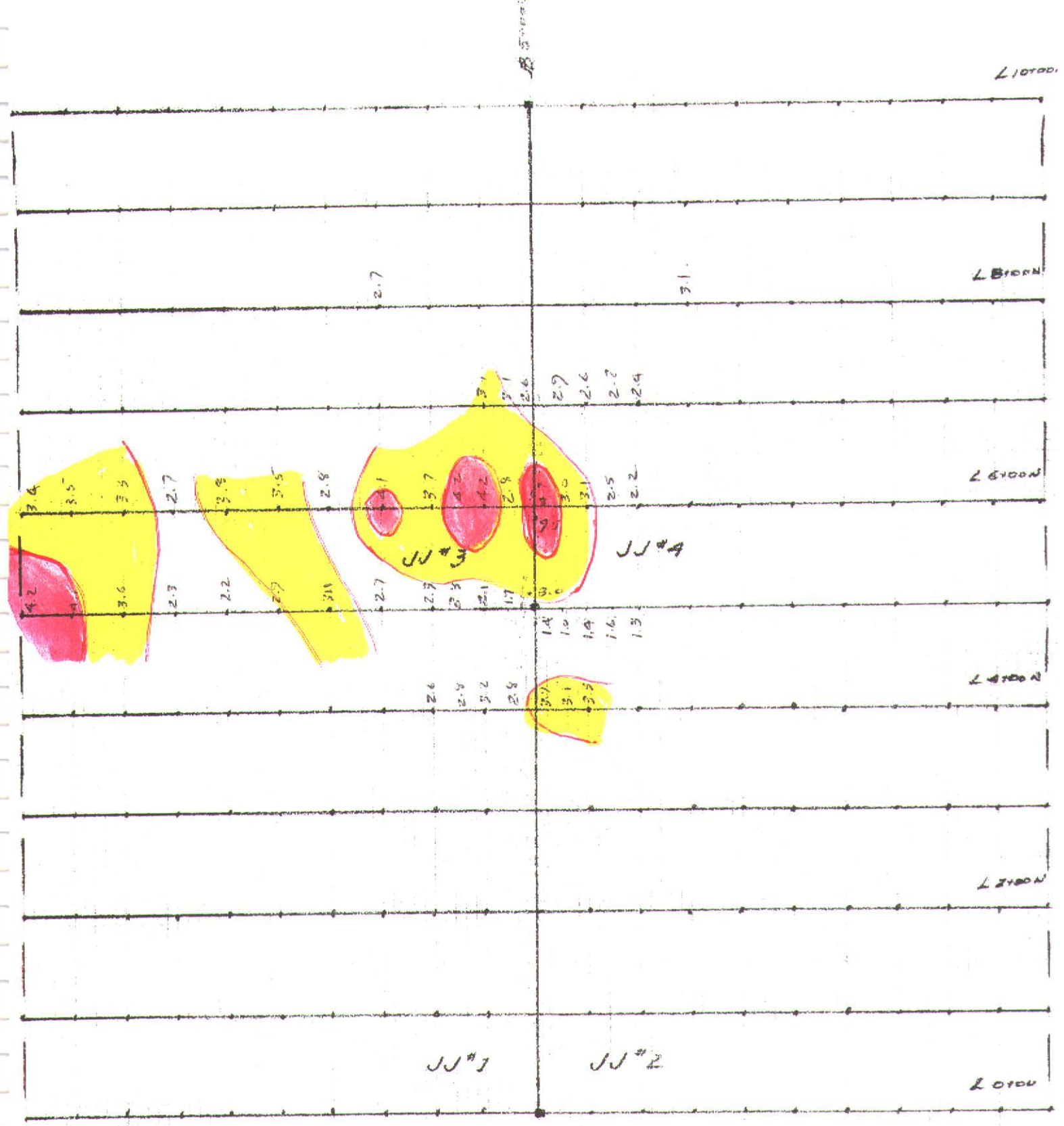
ZINC IN SOILS

Possibly Anomalous
100-150 ppm

Prob/Def. Anomalous
> 150 ppm

JJ Claims
John R. Kerr
1:5000

Figure 7e



JJ Claims
John R Keir
1:5000

Figure 7f

IRON IN SOILS

3-4%

>4%

The magnetic interpretation on the JJ claims provides an intriguing donut shaped magnetic high with an outside diameter of 500 - 700 meters, with an inner magnetic low of some 150 - 200 meters in diameter. The magnetic low is caused by a feldspar-porphyry stock or sill, and the magnetic high has been caused by secondary magnetite introduced along the contact of the intrusive body. The overall magnetic relief of the anomaly is in the order of 6000 gammas.

The two mineralized shear zones are located within the peripheral portion of the magnetic highs, and relate the association of economic metal values to the magnetic anomaly. Limited soil sampling along selected lines indicates anomalous contents of gold, silver, copper, lead, and zinc in soils, which very likely does have an association with the magnetic anomaly. There is a relationship of high iron in soils to the magnetic anomaly as well.

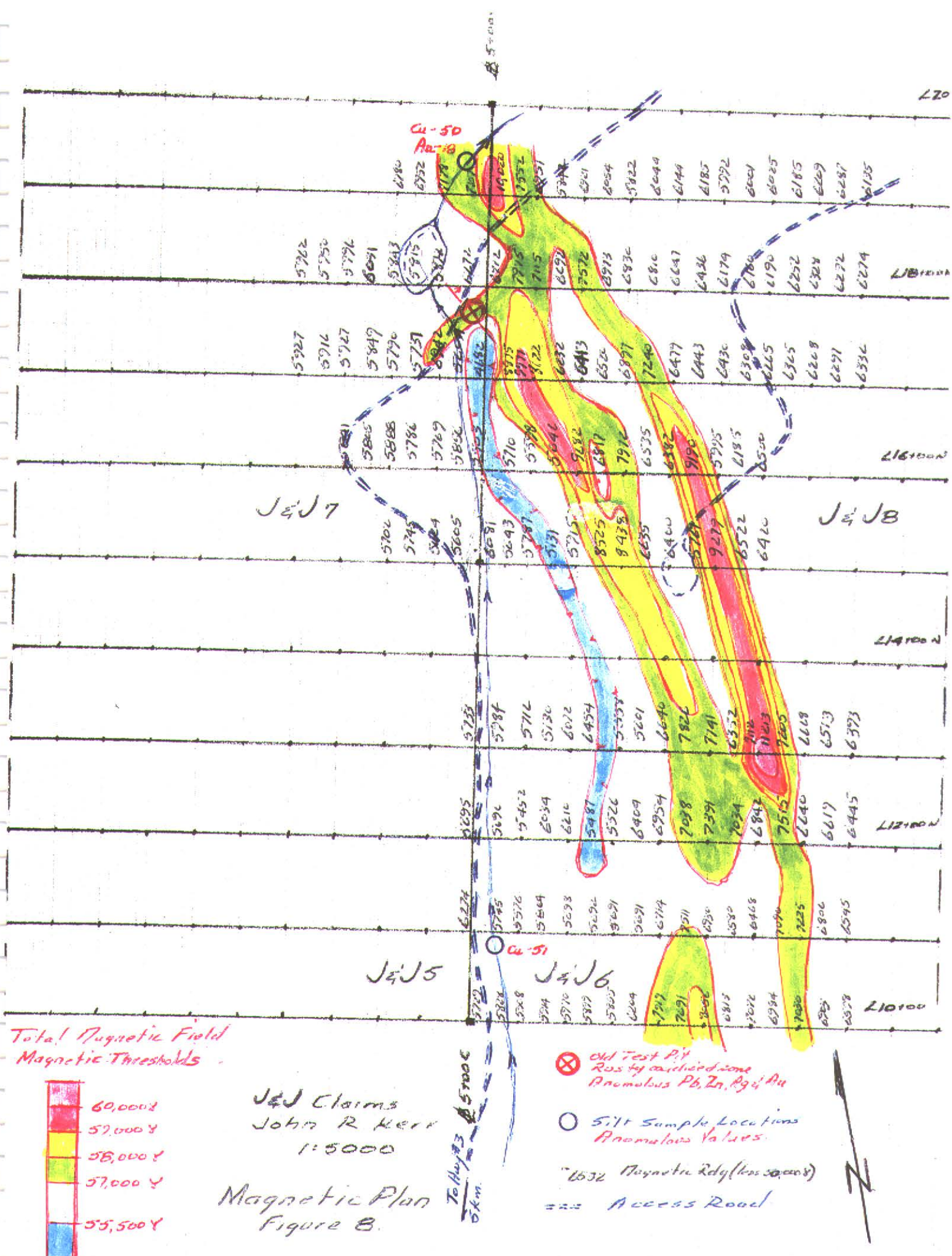
On the JJ claims, a geological setting has been derived, with associated metal values, for a skarn type of multi-element deposit along the contact of a small felsic intrusive body. The principal economic metal appears, from the data collected to date, to be silver, however related contents of gold, zinc, and lead could make this a truly multi-element skarn environment. Continued work on these claims is certainly warranted, and should include further soil geochemistry, geological mapping, extended magnetic surveys to the north and west of the existing grid, and prospecting in the general area of the claims.

Anomalous stream sediments to the southeast of the claim area, associated with additional airborne magnetic targets are also worthy of future work programs. The 1999 program has demonstrated that a skarn geological environment does exist on the JJ claims, and other targets within the immediate vicinity should be prospected and explored for similar settings.

J&J #1 - 8 Claims: The J&J claims are located on a small northerly flowing tributary of the west fork of McKinney Creek, approximately 6 km north of Highway #3. Access is best gained along the Wagonwheel Road, leaving highway #3 25 km east of Osoyoos and travelling 6 - 7 km north to the claims along a well-maintained farm road. Claim data are as follows:

Claim Names - J & J #1 - 8
Tenure Numbers - 371033 to 371040
Location Date - August 7, 1999

All claims are two-post styles of claims, recorded in the name of John R. Kerr, grantee, and are located in the Greenwood Mining Division (NTS 82E/3E).


Cu-50
Au-18
J & J 7
J & J 8
J & J 5
J & J 6
Cu-51
L20
L18+00N
L16+00N
L14+00N
L12+00N
L10+00
Total Magnetic Field
Magnetic Thresholds
60,000 Y
57,000 Y
56,000 Y
57,000 Y
55,500 Y
J & J Claims
John R Kerr
1:5000
Magnetic Plan
Figure 8.
To Hwy #3
5 Km.
Old Test Pit
Rusty carbonized zone
Anomalous Pb, Zn, Ag & Au
Silt Sample Locations
Anomalous Values
6632 Magnetic Rdg (less 50,000 Y)
Access Road
N

Topography is similar to the JJ claims, in that outcrop areas provide steep, bluffy terrain in a general rolling hill environment of the interior plateau. Elevations range 1200 to 1350 meters asl on the property. Vegetation is forest cover of dominantly tamarack, with fir, balsam, hemlock, and pine present. The claim area has been subjected to selective and clear-cut logging. Most of the property falls on deeded land of L1881s and L2769s.

Intermediate volcanic rocks of the Anarchist group underlie all of the claim area worked on to date. To the north, a large felsic to intermediate intrusive mass is identified as part of the large Nelson plutonic complex. The volcanic rocks generally show weak to moderate chlorite alteration, with occasional areas of more intense chlorite, epidote and calcite alteration. Prospecting the magnetometer highs revealed the presence lineal magnetite bands in the volcanic rocks. Hand specimens prohibited the determination of whether this magnetite is primary or a secondary alteration mineral. As there are no obvious intrusive rocks mapped in the immediate area, the magnetite may not be caused by secondary skarn or hydrothermal alteration. As the J&J claims were not mapped in as much detail as the JJ claims, an outcrop map is not provided.

The magnetic survey on the J&J property revealed long, narrow and lineal anomalies generally trending in a north/south direction, overall relief in the order of 5,000 gammas. A slight magnetic trough is apparent on the western side of the magnetic highs. The lineal nature of the magnetic patterns are synonymous with bedding controlled features, the major control for Crown Jewel ore.

Magnetometer traverses were completed in the southern portion of the property, on the J&J #1 claim. The results are not plotted on a map, however are displayed in Appendix B. These readings showed only moderate and erratic magnetic relief (in the order of 2500 gammas), and do not display regular interpretable magnetic bodies. Previous soil sampling in the area (1994) revealed no metal association.

All the areas of magnetic highs have been prospected and sampled (both rock and soils). Magnetite has been identified with all areas of strong values. Gold values in soil up to 33ppb have been identified associated with the magnetic anomalies. Gold in rock has yet to be established. Geochemistry on the J&J claims has been limited to only selected samples associated with mag highs, and has provided insufficient data to provide metal maps.

The association of gold values in soil with the magnetic anomalies is sufficient evidence that a strata controlled gold deposit may occur in the area. The lack of limey or sedimentary horizons being mapped on the property does not necessarily mean the presence of such units do not exist. Further detailed soil and rock geochemistry is required in the northern portion of the property to strengthen this association.

OTHER POTENTIAL TARGET AREAS

Four potential areas have been identified in the regional area that require further sampling and prospecting:

I The area northwest of Bridesville encompassing the headwaters of small drainages of anomalous copper and gold silt samples R- 19 and 21. The area of sample R-21 was prospected during the October phase of the 1999 program, and a second silt collected 200 meters upstream of R-21 confirmed anomalous gold (14ppb) and copper (81ppm). Prospecting float boulders and neighbouring outcrop revealed no obvious causes for the anomaly. Weak airborne magnetic anomalies are indicated in the general area. Further detailed prospecting and silt and soil sampling are required in the area prior to staking.

II The headwaters of Hulme and Johnstone creeks to the southeast of the JJ claims indicate six anomalous silt samples, mainly for gold up to 25ppb. These areas include two distinct airborne magnetic anomalies and the general area is considered similar to the known showing areas located on the JJ claims. Reconnaissance prospecting and sampling revealed no specific targets from the 1999 work, however insufficient time prohibited required sampling and prospecting to identify and refine these targets. This work should be accomplished as part of a 2000 program.

III A small tributary of Rock Creek is anomalous in copper (64ppm), and weakly anomalous in gold (9ppb) and zinc (127ppm). There are no airborne magnetic anomalies of note in the area. Continued work in this area should be limited to additional silt sampling in the drainage.

IV Sample R-55 located on March Creek west of Midway indicated an anomalous gold value of 23ppb. No other metal associations are apparent. Brief prospecting and reconnaissance in the area indicated that rock types are all Tertiary (Eocene) volcanics in the vicinity of R-55. this would indicate that any resulting mineralization from the source would likely be epithermal in nature. As this is not a principal target for the area, further follow-up of this anomaly would be of low priority.

CONCLUSIONS and RECOMMENDATIONS

The scope of the 1999 field program has been completed as proposed for prospectors assistance in February. The major difference was the introduction of a third phase, mainly implemented for time constraint reasons. The project was completed within acceptable guidelines of the proposed budget.

Expectations of success from results of the program were probably at a higher level than originally anticipated. The JJ claims are obviously the signature property, offering the potential and model for a multi-element skarn deposit. A felsic intrusive stock or sill has been identified, associated with a magnetic low. The contact area of the stock forms a donut shaped magnetic high, which is represented by secondary magnetite. Although typical skarn mineralization nor a limey sedimentary unit have not been identified, there is no reason that this type of lithology could not exist. Two showing areas have been identified on the periphery of the magnetic highs, one yielding economic contents of silver, gold, lead, and zinc. The limited soil sampling completed to date indicates a distribution of anomalous metal contents. Further exploration is warranted on this property.

The J&J claims are of less significance at this stage of exploration - however do support a strata controlled magnetic anomaly with associated (weak) gold values. This has similar characteristics to the crown Jewel deposit in Washington. Further geochemistry is required to study the validity of this property.

Further exploration is recommended in the Rock Creek area for the year 2000. Incorporated in this program is detailed property work and follow-up some of the regional targets as discussed in the text of this report. A budget for this program is detailed as follows, which will probably constitute the budget for a 2000 prospectors grant, if such grants are available, and applied for by the grantee:

Appendix A - Geochemical Lab Reports

Intertek Testing Services
Bondar Clegg

Geochemical Lab Report

REPORT: V99-00733.0 (COMPLETE)

REFERENCE:

CLIENT: MR. JOHN KERR

SUBMITTED BY: J. KERR

PROJECT: LOTTIE

DATE RECEIVED: 13-JUL-99 DATE PRINTED: 3-AUG-99

DATE APPROVED	ELEMENT		NUMBER OF ANALYSES	LOWER DETECTION	EXTRACTION	METHOD
990715	1 Au30	Gold	8	5 PPB	Fire Assay of 30g	30g Fire Assay - AA
990715	2 Au Wt1	Test Weight	8	0.01 GM	FIRE ASSAY	FIRE ASSAY-AA
990715	3 Ag	Silver	8	0.2 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
990715	4 Cu	Copper	8	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
990715	5 Pb	Lead	8	2 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
990715	6 Zn	Zinc	8	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
990715	7 Mo	Molybdenum	8	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
990715	8 Ni	Nickel	8	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
990715	9 Co	Cobalt	8	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
990715	10 Cd	Cadmium	8	0.2 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
990715	11 Bi	Bismuth	8	5 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
990715	12 As	Arsenic	8	5 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
990715	13 Sb	Antimony	8	5 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
990715	14 Fe	Iron	8	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
990715	15 Mn	Manganese	8	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
990715	16 Te	Tellurium	8	10 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
990715	17 Ba	Barium	8	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
990715	18 Cr	Chromium	8	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
990715	19 V	Vanadium	8	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
990715	20 Sn	Tin	8	20 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
990715	21 W	Tungsten	8	20 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
990715	22 La	Lantharum	8	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
990715	23 Al	Aluminum	8	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
990715	24 Mg	Magnesium	8	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
990715	25 Ca	Calcium	8	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
990715	26 Na	Sodium	8	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
990715	27 K	Potassium	8	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
990715	28 Sr	Strontium	8	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
990715	29 Y	Yttrium	8	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
990715	30 Ga	Gallium	8	2 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
990715	31 Li	Lithium	8	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
990715	32 Nb	Niobium	8	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
990715	33 Sc	Scandium	8	5 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
990715	34 Ta	Tantalum	8	10 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
990715	35 Ti	Titanium	8	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
990715	36 Zr	Zirconium	8	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA

SAMPLE TYPES	NUMBER	SIZE FRACTIONS	NUMBER	SAMPLE PREPARATIONS	NUMBER
S SOIL	8	1 -80	8	DRY, SIEVE -80	8

REPORT COPIES TO: #1702 - 438 SEYMOUR ST.

INVOICE TO: #1702 - 438 SEYMOUR ST.

Intertek Testing Services
Bondar Clegg

Geochemical Lab Report

CLIENT: MR. JOHN KERR
REPORT: V99-00521.0 (COMPLETE)

PROJECT: ROCK CREEK
DATE RECEIVED: 18-JUN-99 DATE PRINTED: 28-JUN-99 PAGE 1A(1/10)

SAMPLE NUMBER	ELEMENT Au30	Ag	AgOL	Cu	Pb	Zn	Mo	Ni	Co	Cd	Bi	As	Sb	Fe	Mn	Te	Ba	Cr	V	Sn	W	La	Al	Mg	Ca	Na	K	Sr	Y	Ga	Li	Nb	Sc	Ta	Ti
	UNITS PPB	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PCT	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PCT	PCT	PCT	PCT	PCT	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PCT
R-40	55	14.4		245	143	303	1	37	15	0.8	<5	52	<5	9.47	3384	<10	656	35	89	<20	<20	19	2.10	0.83	0.52	0.02	0.15	56	25	4	15	8	18	<10	0.04
R-01	<5	<0.2		4	4	16	<1	4	2	<0.2	<5	<5	<5	0.66	256	<10	35	7	13	<20	<20	14	0.48	0.12	0.27	0.02	0.05	29	3	<2	4	3	<5	<10	0.05
R-02	8	<0.2		4	3	18	<1	4	3	<0.2	<5	<5	<5	0.73	293	<10	46	6	12	<20	<20	16	0.62	0.14	0.37	0.02	0.06	45	4	<2	6	3	<5	<10	0.04
R-03	12	<0.2		6	5	38	1	5	4	<0.2	<5	<5	<5	1.20	381	<10	73	8	21	<20	<20	25	0.88	0.21	0.49	0.02	0.09	63	7	<2	12	3	<5	<10	0.05
R-04	<5	<0.2		5	4	19	<1	5	3	<0.2	<5	<5	<5	1.00	163	<10	56	8	20	<20	<20	14	0.67	0.12	0.26	0.02	0.06	27	3	<2	5	3	<5	<10	0.05
R-05	18	<0.2		41	8	59	1	27	10	<0.2	<5	<5	<5	1.87	506	<10	137	33	28	<20	<20	30	2.22	0.54	0.60	0.03	0.13	57	13	2	20	4	<5	<10	0.09
R-06	10	<0.2		11	9	49	<1	15	6	<0.2	<5	<5	<5	1.41	191	<10	76	19	27	<20	<20	17	1.04	0.32	0.62	0.03	0.07	44	4	<2	17	5	<5	<10	0.07
R-07	6	<0.2		7	5	30	<1	9	5	<0.2	<5	<5	<5	1.43	253	<10	70	14	29	<20	<20	18	0.86	0.18	0.33	0.02	0.07	43	4	<2	7	4	<5	<10	0.05
R-08	8	<0.2		51	6	34	<1	137	5	<0.2	<5	<5	<5	1.25	239	<10	78	17	25	<20	<20	16	0.79	0.34	0.88	0.03	0.08	62	4	<2	9	4	<5	<10	0.05
R-09	18	<0.2		50	8	48	<1	87	6	<0.2	<5	<5	<5	1.42	292	<10	81	28	29	<20	<20	20	0.82	0.40	1.16	0.03	0.11	82	5	<2	9	5	<5	<10	0.06
R-10	8	<0.2		47	6	42	<1	93	8	<0.2	<5	<5	<5	1.54	248	<10	93	33	30	<20	<20	20	1.06	0.45	0.98	0.03	0.13	76	5	<2	11	5	<5	<10	0.08
R-11	<5	<0.2		19	5	37	<1	25	8	<0.2	<5	<5	<5	1.86	433	<10	98	32	34	<20	<20	27	1.39	0.42	0.58	0.03	0.14	59	8	<2	13	5	<5	<10	0.09
R-12	<5	<0.2		7	3	20	<1	9	4	<0.2	<5	<5	<5	0.85	154	<10	45	14	18	<20	<20	22	0.74	0.25	0.45	0.02	0.08	49	4	<2	8	3	<5	<10	0.07
R-13	16	<0.2		15	4	36	<1	28	9	<0.2	<5	<5	<5	1.97	272	<10	80	54	42	<20	<20	27	0.95	0.50	0.56	0.02	0.12	60	5	<2	11	6	<5	<10	0.08
R-14	31	<0.2		17	15	59	<1	28	9	<0.2	<5	<5	<5	1.69	264	<10	87	39	35	<20	<20	21	1.09	0.58	0.52	0.03	0.14	54	5	<2	14	5	<5	<10	0.09
R-15	7	<0.2		51	7	46	<1	22	7	<0.2	<5	<5	<5	2.01	274	<10	79	28	38	<20	<20	22	1.37	0.39	0.56	0.05	0.16	55	5	<2	15	6	<5	<10	0.09
R-16	8	<0.2		34	6	38	<1	33	6	<0.2	<5	<5	<5	1.72	263	<10	113	24	31	<20	<20	18	0.96	0.32	0.70	0.03	0.12	48	4	<2	12	5	<5	<10	0.07
R-17	8	<0.2		50	4	18	<1	25	4	<0.2	<5	<5	<5	1.15	163	<10	62	45	29	<20	<20	24	0.57	0.23	0.55	0.03	0.11	52	7	<2	6	5	<5	<10	0.06
R-18	12	<0.2		35	8	60	<1	58	9	<0.2	<5	<5	<5	2.14	450	<10	150	29	39	<20	<20	28	1.78	0.44	0.41	0.03	0.18	48	8	<2	22	5	<5	<10	0.10
R-19	16	<0.2		61	8	133	<1	86	12	0.2	<5	<5	<5	2.27	361	<10	231	58	41	<20	<20	18	1.56	0.71	0.86	0.04	0.20	58	8	<2	16	5	<5	<10	0.09
R-20	11	<0.2		14	5	52	<1	24	10	<0.2	<5	<5	<5	2.37	978	<10	117	27	41	<20	<20	23	1.13	0.59	1.04	0.06	0.22	73	7	<2	11	6	<5	<10	0.11
R-21	27	0.2		114	13	92	<1	132	11	0.3	<5	5	<5	2.74	408	<10	210	43	45	<20	<20	49	2.67	0.60	1.19	0.04	0.22	91	23	3	39	7	<5	<10	0.11
R-26	10	<0.2		45	8	45	<1	107	13	<0.2	<5	<5	<5	2.87	409	<10	181	65	51	<20	<20	30	1.95	0.83	0.85	0.04	0.19	64	8	<2	23	7	<5	<10	0.12
R-29	10	<0.2		33	7	35	1	101	14	0.2	<5	7	<5	2.95	2890	<10	275	55	53	<20	<20	32	1.12	0.46	1.11	0.03	0.07	101	7	<2	10	6	<5	<10	0.06
R-31	6	<0.2		15	6	40	<1	44	10	<0.2	<5	<5	<5	2.04	277	<10	78	57	44	<20	<20	32	0.93	0.56	0.54	0.03	0.07	77	4	<2	9	6	<5	<10	0.07
R-32	11	<0.2		34	12	47	<1	49	8	<0.2	<5	<5	<5	2.04	341	<10	113	43	42	<20	<20	51	1.67	0.47	1.10	0.04	0.08	99	9	2	16	7	<5	<10	0.07
R-33	<5	<0.2		12	7	42	<1	41	8	<0.2	<5	<5	<5	2.49	358	<10	98	51	52	<20	<20	42	0.98	0.49	0.55	0.03	0.08	109	5	<2	13	8	<5	<10	0.09
R-34	<5	<0.2		9	7	54	<1	29	7	<0.2	<5	<5	<5	2.67	300	<10	86	44	54	<20	<20	42	0.77	0.44	0.51	0.02	0.09	96	4	<2	12	8	<5	<10	0.08
R-35	8	<0.2		16	13	144	<1	30	8	<0.2	<5	<5	<5	4.24	245	<10	83	67	81	<20	<20	51	1.20	0.46	0.51	0.02	0.06	74	6	<2	14	10	<5	<10	0.10
R-36	9	<0.2		64	16	127	1	69	13	<0.2	<5	<5	<5	3.02	376	<10	202	37	51	<20	<20	46	3.01	0.62	0.62	0.04	0.18	89	17	3	42	7	6	<10	0.13

Intertek Testing Services
Bondar Clegg

Geochemical Lab Report

CLIENT: MR. JOHN KERR

PROJECT: ROCK CREEK

REPORT: V99-00521.0 (COMPLETE)

DATE RECEIVED: 18-JUN-99 DATE PRINTED: 28-JUN-99 PAGE 2A(3/10)

SAMPLE NUMBER	ELEMENT UNITS	Au30 PPB	Ag PPM	AgOL PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM	Sb PPM	Fe PCT	Mn PPM	Te PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	La PPM	Al PCT	Mg PCT	Ca PCT	Na PCT	K PCT	Sr PPM	Y PPM	Ga PPM	Li PPM	Nb PPM	Sc PPM	Ta PPM	Ti PCT
R-37		14	<0.2		41	11	69	1	30	11	0.2	<5	<5	<5	2.56	737	<10	200	59	64	<20	<20	31	1.39	0.78	1.51	0.05	0.12	300	10	<2	13	8	<5	<10	0.10
R-38		<5	<0.2		37	11	39	2	7	3	0.2	<5	14	<5	0.89	526	<10	225	9	33	<20	<20	16	0.78	0.25	2.58	0.04	0.05	235	5	<2	5	4	<5	<10	0.03
R-39		9	<0.2		23	11	54	<1	17	9	<0.2	<5	6	<5	2.66	457	<10	198	38	57	<20	<20	83	1.62	0.56	0.91	0.04	0.12	232	10	2	16	9	<5	<10	0.10
R-41		<5	<0.2		28	8	38	<1	13	6	<0.2	<5	<5	<5	2.63	385	<10	126	37	64	<20	<20	34	1.00	0.35	0.79	0.04	0.08	95	7	<2	12	8	<5	<10	0.08
R-42		10	<0.2		15	7	64	<1	11	6	<0.2	<5	<5	<5	1.92	682	<10	141	33	46	<20	<20	24	0.88	0.43	1.34	0.03	0.07	126	4	<2	12	6	<5	<10	0.05
R-43		12	<0.2		12	6	40	<1	12	7	<0.2	<5	<5	<5	2.56	601	<10	159	36	58	<20	<20	43	0.69	0.37	0.82	0.02	0.06	113	5	<2	9	8	<5	<10	0.06
R-44		6	<0.2		48	7	34	1	10	5	0.2	<5	<5	<5	0.92	418	<10	173	13	24	<20	<20	11	0.90	0.29	2.37	0.05	0.06	247	6	<2	7	3	<5	<10	0.03
R-45		18	<0.2		67	13	38	<1	27	4	0.5	<5	<5	<5	0.90	702	<10	283	18	16	<20	<20	18	0.82	0.39	7.69	0.04	0.07	400	9	<2	6	2	<5	<10	0.02
R-46		17	<0.2		39	8	75	<1	23	8	<0.2	<5	<5	<5	1.88	659	<10	185	33	40	<20	<20	19	1.24	0.59	2.22	0.04	0.10	218	7	<2	12	5	<5	<10	0.06
R-47		25	<0.2		13	10	57	<1	19	8	<0.2	<5	<5	<5	3.07	404	<10	129	64	82	<20	<20	53	0.99	0.57	0.80	0.02	0.10	171	7	<2	12	10	<5	<10	0.08
R-50		<5	0.3		31	4	19	<1	32	2	<0.2	<5	<5	<5	0.43	155	<10	70	19	10	<20	<20	5	0.31	0.43	>10.00	0.03	0.04	1639	2	<2	3	<1	<5	<10	0.01
R-51		<5	<0.2		46	6	35	<1	6	4	<0.2	<5	<5	<5	0.97	490	<10	99	11	28	<20	<20	19	0.77	0.38	>10.00	0.06	0.09	1021	5	<2	4	4	<5	<10	0.04
R-52		6	<0.2		38	10	35	<1	13	6	<0.2	<5	<5	<5	1.65	251	<10	65	25	44	<20	<20	46	1.20	0.43	2.01	0.09	0.09	500	8	<2	10	11	<5	<10	0.10
R-53		15	<0.2		43	10	55	<1	16	9	0.2	<5	10	<5	2.74	8670	<10	290	23	64	<20	<20	27	1.23	0.50	5.21	0.07	0.06	625	8	<2	10	7	<5	<10	0.06
R-54		8	<0.2		41	6	39	<1	13	5	<0.2	<5	<5	<5	1.41	268	<10	132	24	31	<20	<20	47	0.90	0.60	>10.00	0.05	0.09	1412	8	<2	11	5	<5	<10	0.05
R-55		23	<0.2		7	6	37	<1	10	6	<0.2	<5	<5	<5	1.70	198	<10	62	28	47	<20	<20	28	0.84	0.35	0.76	0.04	0.07	181	4	<2	8	6	<5	<10	0.08
R-56		6	<0.2		29	10	68	<1	15	7	0.3	<5	<5	<5	1.45	886	<10	118	16	27	<20	<20	20	1.30	0.33	1.73	0.06	0.10	336	5	<2	14	4	<5	<10	0.06
R-59		<5	<0.2		23	5	20	<1	30	4	<0.2	<5	<5	<5	0.85	387	<10	83	16	17	<20	<20	11	0.77	0.41	0.42	0.04	0.07	44	4	<2	5	3	<5	<10	0.04
R-10		7	<0.2		13	49	18	2	2	9	0.3	<5	83	<5	0.95	73	<10	29	61	5	<20	<20	9	0.28	0.05	0.03	0.04	0.13	7	2	<2	1	3	<5	<10	0.02
R-30		<5	<0.2		10	5	5	3	6	<1	<0.2	<5	8	<5	0.64	19	<10	58	175	5	<20	<20	4	0.18	0.03	0.09	<.01	0.09	3	1	<2	<1	<1	<5	<10	<.01
R-40		865	>200.0	295	208	3710	4974	25	16	3	85.9	<5	2728	38	4.07	>20000	<10	450	103	17	<20	<20	<1	0.09	0.03	0.10	<.01	0.03	78	5	<2	<1	1	<5	<10	<.01
R-48		25	11.8		22	62	308	<1	377	32	4.5	<5	619	26	2.65	1841	<10	10	447	15	<20	<20	1	0.48	5.73	>10.00	<.01	0.04	628	1	<2	4	<1	14	<10	<.01
R-49		12	0.9		6	16	38	<1	400	45	0.9	<5	207	<5	3.49	1641	<10	21	1352	61	<20	<20	2	1.52	5.64	9.72	0.02	0.07	405	4	3	14	4	38	<10	<.01
R-57		13	<0.2		26	4	27	<1	1881	99	<0.2	<5	62	<5	4.43	420	<10	21	251	11	<20	<20	<1	0.13	>10.00	0.10	<.01	<.01	10	<1	<2	<1	<1	<5	<10	<.01
R-58		<5	<0.2		8	4	23	<1	1144	44	<0.2	<5	<5	<5	4.32	852	<10	10	594	12	<20	<20	<1	0.13	>10.00	0.80	<.01	<.01	47	<1	<2	<1	<1	<5	<10	<.01
R-60		7	0.4		81	272	273	<1	85	43	1.5	<5	18	<5	7.55	1697	<10	30	160	226	<20	<20	8	3.62	3.39	1.14	0.09	0.11	42	17	<2	62	21	31	<10	0.34
R-61		<5	0.2		98	4	60	<1	27	17	<0.2	<5	6	<5	5.38	1524	<10	96	28	114	<20	<20	3	2.21	7.36	>10.00	0.01	0.09	459	13	5	17	9	21	<10	0.01
R-62		<5	<0.2		45	8	105	<1	74	28	<0.2	<5	<5	<5	6.33	1211	<10	342	126	154	<20	<20	25	3.92	3.32	0.99	0.05	0.39	52	9	13	39	13	23	<10	0.05
R-63		32	0.6		167	22	182	<1	25	45	<0.2	<5	8	<5	>10.00	2405	<10	137	26	368	<20	<20	6	5.74	3.33	0.38	0.01	0.24	31	21	15	33	33	39	<10	0.04

Intertek Testing Services
Bondar Clegg

Geochemical Lab Report

CLIENT: MR. JOHN KERR

REPORT: V99-00733.0 (COMPLETE)

PROJECT: LOTTIE

DATE RECEIVED: 13-JUL-99 DATE PRINTED: 3-AUG-99

SAMPLE NUMBER	ELEMENT UNITS	Au30 PPB	Au Wt1 GM	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM	Sb PPM	Fe PCT	Mn PPM	Te PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	La PPM	Al PCT	Mg PCT	Ca PCT	Na PCT	K PCT	Sr PPM	Y PPM	Ga PPM	Li PPM	Nb PPM	Sc PPM	Ta PPM	Ti PCT	Zr PPM
JJ5N 4+50E		18	30.16	<0.2	23	18	105	<1	14	9	0.4	<5	10	<5	2.14	985	<10	279	22	37	<20	<20	20	1.72	0.35	0.35	0.02	0.21	44	7	3	14	3	<5	<10	0.08	7
JJ5N 4+75E		14	30.98	0.5	35	21	147	<1	11	8	0.4	<5	14	<5	1.69	602	<10	127	17	31	<20	<20	13	1.67	0.27	0.36	0.03	0.06	33	9	<2	20	2	<5	<10	0.07	6
JJ5N 5+00E		14	30.70	0.2	18	16	111	<1	10	6	0.3	<5	7	<5	1.44	1159	<10	333	12	26	<20	<20	10	1.64	0.20	0.32	0.03	0.07	29	4	2	10	2	<5	<10	0.08	6
JJ5N 5+25E		20	30.63	<0.2	15	11	51	<1	7	4	<.2	<5	5	<5	0.99	591	<10	113	8	21	<20	<20	6	0.90	0.13	0.22	0.04	0.06	25	2	<2	7	2	<5	<10	0.05	4
JJ5N 5+50E		24	32.12	<0.2	14	15	72	<1	10	6	<.2	<5	6	<5	1.37	1294	<10	225	12	26	<20	<20	11	1.24	0.22	0.26	0.03	0.07	29	3	<2	10	2	<5	<10	0.06	5
JJ5N 5+75E		16	30.95	<0.2	15	8	65	<1	12	6	<.2	<5	6	<5	1.61	568	<10	201	18	31	<20	<20	16	1.41	0.26	0.24	0.02	0.09	31	4	2	15	2	<5	<10	0.07	8
JJ5+15N 4+95E		97	30.23	45.4	83	283	331	1	20	9	0.5	<5	141	<5	3.07	796	<10	162	24	46	<20	<20	26	1.94	0.38	0.23	0.02	0.07	31	10	3	13	4	5	<10	0.08	21
JJ5N 6+00E		7	30.55	<0.2	10	7	51	<1	9	5	<.2	<5	<5	<5	1.30	678	<10	242	14	25	<20	<20	15	1.12	0.21	0.29	0.02	0.09	43	3	<2	8	3	<5	<10	0.06	6

Intertek Testing Services
Bondar Clegg

Geochemical Lab Report

CLIENT: MR. JOHN KERR

REPORT: V99-00733.0 (COMPLETE)

PROJECT: LOTTIE

DATE RECEIVED: 13-JUL-99 DATE PRINTED: 19-AUG-99

SAMPLE NUMBER	ELEMENT UNITS	Au30 PPB	Au Wt1 GM	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM	Sb PPM	Fe PCT	Mn PPM	Te PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	La PPM	Al PCT	Mg PCT	Ca PCT	Na PCT	K PCT	Sr PPM	Y PPM	Ga PPM	Li PPM	Nb PPM	Sc PPM	Ta PPM	Ti PCT	Zr PPM
JJ5N 4+50E		18	30.16	<0.2	23	18	105	<1	14	9	0.4	<5	10	<5	2.14	985	<10	279	22	37	<20	<20	20	1.72	0.35	0.35	0.02	0.21	44	7	3	14	3	<5	<10	0.08	7
JJ5N 4+75E		14	30.98	0.5	35	21	147	<1	11	8	0.4	<5	14	<5	1.69	602	<10	127	17	31	<20	<20	13	1.67	0.27	0.36	0.03	0.06	33	9	<2	20	2	<5	<10	0.07	6
JJ5N 5+00E		14	30.70	0.2	18	16	111	<1	10	6	0.3	<5	7	<5	1.44	1159	<10	333	12	26	<20	<20	10	1.64	0.20	0.32	0.03	0.07	29	4	2	10	2	<5	<10	0.08	6
JJ5N 5+25E		20	30.63	<0.2	15	11	51	<1	7	4	<.2	<5	5	<5	0.99	591	<10	113	8	21	<20	<20	6	0.90	0.13	0.22	0.04	0.06	25	2	<2	7	2	<5	<10	0.05	4
JJ5N 5+50E		24	32.12	<0.2	14	15	72	<1	10	6	<.2	<5	6	<5	1.37	1294	<10	225	12	26	<20	<20	11	1.24	0.22	0.26	0.03	0.07	29	3	<2	10	2	<5	<10	0.06	5
JJ5N 5+75E		16	30.95	<0.2	15	8	65	<1	12	6	<.2	<5	6	<5	1.61	568	<10	201	18	31	<20	<20	16	1.41	0.26	0.24	0.02	0.09	31	4	2	15	2	<5	<10	0.07	8
JJ5+15N 4+95E		97	30.23	45.4	83	283	331	1	20	9	0.5	<5	141	<5	3.07	796	<10	162	24	46	<20	<20	26	1.94	0.38	0.23	0.02	0.07	31	10	3	13	4	5	<10	0.08	21
JJ5N 6+00E		7	30.55	<0.2	10	7	51	<1	9	5	<.2	<5	<5	<5	1.30	678	<10	242	14	25	<20	<20	15	1.12	0.21	0.29	0.02	0.09	43	3	<2	8	3	<5	<10	0.06	6

Intertek Testing Services
Bondar Clegg

Geochemical Lab Report

CLIENT: MR. JOHN KERR
REPORT: V99-00921.0 (COMPLETE)

PROJECT: ROCK CREEK
DATE RECEIVED: 17-AUG-99 DATE PRINTED: 20-AUG-99 PAGE 1 OF 5

SAMPLE NUMBER	ELEMENT UNITS	Au30 PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM	Sb PPM	Fe Tot PCT	Mn PPM	Te PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	Li PPM	Ga PPM	La PPM	Sc PPM	Ta PPM	Ti PCT	Al PCT	Mg PCT	Ca PCT	Na PCT	K PCT	Nb PPM	Sr PPM	Y PPM	Zr PPM
JJ4N 4+00E		<5	<0.5	21	22	121	1	14	11	<1	<5	15	<5	2.61	1175	<25	986	23	48	<20	<20	27	<10	26	6	<5	0.32	7.04	0.60	1.67	2.25	1.71	12	356	12	87
JJ4N 4+25E		<5	<0.5	25	28	120	<1	15	12	<1	<5	14	<5	2.80	956	<25	1048	28	53	<20	<20	27	<10	31	6	<5	0.34	7.29	0.63	1.75	2.28	1.78	15	391	13	90
JJ4N 4+50E		<5	<0.5	41	24	149	1	20	14	<1	<5	14	<5	3.22	859	<25	976	34	61	<20	<20	36	<10	32	9	<5	0.37	7.67	0.80	1.75	2.23	1.68	12	365	18	107
JJ4N 4+75E		<5	<0.5	25	20	110	1	15	12	<1	<5	17	10	2.78	1153	<25	1122	29	52	<20	<20	27	<10	32	6	<5	0.33	7.63	0.63	1.77	2.32	1.79	14	417	13	98
JJ4N 5+00E		<5	0.9	82	29	81	2	23	14	<1	<5	7	8	3.76	708	<25	1199	40	74	<20	<20	26	<10	48	9	<5	0.42	8.73	0.86	1.57	2.25	1.86	19	479	22	121
JJ4N 5+25E		<5	0.6	28	35	136	1	11	14	<1	<5	9	<5	3.13	2522	<25	842	21	53	<20	<20	29	<10	20	6	<5	0.32	7.46	0.60	1.99	2.48	1.51	10	324	11	82
JJ4N 5+50E		<5	<0.5	31	22	80	1	20	14	<1	<5	9	<5	3.34	1151	<25	1313	35	65	<20	<20	26	<10	29	7	<5	0.37	7.78	0.87	1.58	2.18	1.64	15	363	13	89
JJ5N 0+00E		7	<0.5	34	31	117	2	39	19	<1	<5	9	6	4.23	965	<25	1191	99	87	<20	<20	29	<10	52	8	<5	0.46	7.59	1.47	2.15	2.06	1.97	21	490	16	94
JJ5N 0+50E		32	<0.5	39	31	121	1	18	17	1	<5	10	<5	4.13	2782	<25	780	40	74	<20	<20	28	<10	30	9	<5	0.42	7.44	0.98	2.50	2.07	1.43	13	314	20	85
JJ5N 1+00E		12	<0.5	33	50	133	1	20	15	<1	<5	16	7	3.57	887	<25	1276	53	78	<20	<20	26	<10	53	8	<5	0.42	7.69	0.81	1.63	2.21	1.99	20	506	16	86
JJ5N 1+50E		20	<0.5	18	20	87	1	12	9	<1	<5	12	7	2.34	955	<25	1020	21	41	<20	<20	25	<10	26	<5	<5	0.29	6.81	0.52	1.58	2.26	1.71	11	359	11	79
JJ5N 2+00E		32	<0.5	18	21	86	1	10	9	<1	<5	12	5	2.23	1450	<25	1040	24	42	<20	<20	21	<10	25	<5	<5	0.28	6.32	0.48	1.52	2.03	1.52	11	379	9	67
JJ5N 2+50E		9	<0.5	27	24	166	2	15	12	<1	<5	14	<5	2.90	1871	<25	1233	31	52	<20	<20	26	<10	35	6	<5	0.33	7.58	0.59	1.75	2.40	1.78	16	446	13	86
JJ5N 3+00E		8	0.6	28	33	129	1	16	13	<1	<5	41	8	3.12	1585	<25	1095	34	59	<20	<20	28	<10	34	6	<5	0.35	7.83	0.65	2.00	2.32	1.76	15	453	13	85
JJ5N 3+50E		8	<0.5	22	21	98	1	12	11	<1	<5	18	<5	2.72	900	<25	919	30	49	<20	<20	27	<10	30	6	<5	0.32	7.47	0.61	1.86	2.43	1.77	12	393	12	90
JJ5N 4+00E		8	<0.5	11	15	87	2	5	8	<1	<5	9	<5	2.30	898	<25	554	7	32	<20	<20	27	<10	17	<5	<5	0.26	8.04	0.44	2.21	3.04	1.73	6	315	11	102
JJ5N 4+25E		<5	<0.5	26	31	104	1	18	14	<1	<5	18	7	3.30	960	<25	1143	34	65	<20	<20	24	<10	40	8	<5	0.41	7.56	0.68	1.64	2.29	1.96	17	486	14	86
JJ6N 0+00E		15	<0.5	33	23	104	2	18	14	<1	<5	10	7	3.36	1543	<25	941	64	63	<20	<20	30	<10	37	7	<5	0.35	7.46	0.88	1.93	2.23	1.59	14	372	14	86
JJ6N 0+50E		15	<0.5	31	25	122	2	24	14	<1	<5	<5	9	3.53	1384	<25	1032	61	65	<20	<20	30	<10	44	7	<5	0.36	7.97	0.96	1.93	2.43	1.81	16	409	14	97
JJ6N 1+00E		12	<0.5	28	22	92	2	18	14	<1	<5	10	6	3.30	1401	<25	1051	53	62	<20	<20	26	<10	35	6	<5	0.37	7.50	0.86	1.84	2.19	1.66	16	404	12	87
JJ6N 1+50E		43	<0.5	27	23	108	1	14	11	<1	<5	12	7	2.70	1433	<25	1434	33	54	<20	<20	24	<10	39	6	<5	0.31	7.30	0.59	1.71	2.26	1.93	16	486	12	74
JJ6N 2+00E		9	<0.5	37	39	120	1	19	16	<1	<5	12	<5	3.80	1911	<25	1318	41	79	<20	<20	26	<10	42	8	<5	0.45	7.88	0.81	1.70	2.16	1.81	18	456	15	82
JJ6N 2+50E		26	<0.5	31	21	89	1	16	14	<1	<5	<5	7	3.48	1659	<25	1112	34	68	<20	<20	30	<10	43	7	<5	0.41	8.09	0.72	1.81	2.36	1.77	16	457	16	87
JJ6N 3+00E		13	<0.5	23	19	82	1	11	11	1	<5	10	6	2.75	828	<25	1012	21	48	<20	<20	25	<10	34	5	<5	0.33	8.03	0.58	1.86	2.65	1.90	14	446	13	99
JJ6N 3+50E		26	0.6	49	88	153	2	13	16	1	<5	13	7	4.14	3980	<25	912	22	73	<20	<20	34	<10	29	11	<5	0.41	7.63	0.92	2.08	2.20	1.35	12	319	27	88
JJ6N 4+00E		13	<0.5	32	20	94	2	14	15	<1	<5	<5	11	3.74	2484	<25	928	32	71	<20	<20	29	<10	33	8	<5	0.42	8.42	0.75	2.04	2.48	1.66	14	363	18	92
JJ6N 4+25E		18	0.8	53	22	121	3	23	19	<1	<5	13	6	4.16	2905	<25	903	37	78	<20	<20	31	<10	31	11	<5	0.47	8.43	0.87	2.10	2.30	1.63	14	323	24	95
JJ6N 4+50E		12	1.5	39	58	188	2	31	19	<1	<5	12	7	4.15	1379	<25	856	47	73	<20	<20	31	<10	30	10	<5	0.50	8.38	0.95	1.94	2.19	1.81	15	325	20	99
JJ6N 4+75E		<5	<0.5	27	40	162	2	12	12	<1	<5	15	<5	2.80	1371	<25	1002	22	48	<20	<20	29	<10	28	6	<5	0.35	7.30	0.61	1.88	2.55	1.82	12	348	16	104
JJ6N 5+00E		19	14.8	102	144	227	1	25	16	<1	<5	36	6	4.68	1044	<25	770	29	78	<20	<20	32	<10	25	13	<5	0.38	8.30	0.72	1.72	2.09	1.48	11	297	26	126

ITS Intertek Testing Services
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Geochemical Lab Report

CLIENT: MR. JOHN KERR
PROJECT: ROCK CREEK
REPORT: V99-00921.0 (COMPLETE)
DATE RECEIVED: 17-AUG-99 DATE PRINTED: 20-AUG-99 PAGE 2 OF 5

SAMPLE NUMBER	ELEMENT UNITS	Au30 PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM	Sb PPM	Fe Tot PCT	Mn PPM	Te PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	Li PPM	Ga PPM	La PPM	Sc PPM	Ta PPM	Ti PCT	Al PCT	Mg PCT	Ca PCT	Na PCT	K PCT	Nb PPM	Sr PPM	Y PPM	Zr PPM
JJ6N 5+25E		6	<0.5	37	26	171	2	16	13	<1	<5	7	<5	3.05	1159	<25	762	23	54	<20	<20	31	<10	19	7	<5	0.31	7.42	0.69	1.76	2.30	1.46	8	281	11	83
JJ6N 5+50E		<5	<0.5	27	26	101	<1	18	13	<1	<5	8	5	3.09	666	<25	1068	31	57	<20	<20	40	<10	33	6	<5	0.37	8.24	0.69	1.68	2.33	1.90	14	463	13	98
JJ6N 5+75E		<5	<0.5	17	22	92	1	11	10	<1	<5	8	<5	2.49	931	<25	892	21	43	<20	<20	29	<10	23	<5	<5	0.31	7.77	0.52	1.76	2.59	1.82	11	392	11	91
JJ6N 6+00E		<5	<0.5	13	16	67	2	5	8	<1	<5	8	<5	2.22	769	<25	813	11	33	<20	<20	29	<10	21	<5	<5	0.26	7.80	0.44	1.83	2.88	1.77	9	361	11	101
JJ7N 4+50E		<5	<0.5	32	22	84	2	14	13	<1	<5	12	<5	3.09	1382	<25	751	20	52	<20	<20	36	<10	24	8	<5	0.37	7.94	0.72	1.86	2.26	1.52	10	300	18	114
JJ7N 4+75E		<5	<0.5	31	22	87	<1	13	13	<1	<5	12	6	3.11	1351	<25	817	18	56	<20	<20	30	<10	26	8	<5	0.37	7.66	0.71	1.76	2.27	1.59	11	314	18	107
JJ7N 5+00E		<5	<0.5	23	18	104	1	11	10	<1	<5	12	<5	2.55	1131	<25	784	19	43	<20	<20	27	<10	22	<5	<5	0.32	7.52	0.54	1.66	2.54	1.56	9	297	12	107
JJ7N 5+25E		6	<0.5	20	25	93	2	13	13	<1	<5	10	6	2.90	729	<25	883	25	55	<20	<20	33	<10	25	5	<5	0.35	7.57	0.63	1.64	2.52	1.76	15	373	10	82
JJ7N 5+50E		<5	<0.5	18	18	83	<1	9	10	<1	<5	13	<5	2.55	906	<25	880	20	43	<20	<20	28	<10	23	5	<5	0.32	7.11	0.53	1.65	2.55	1.74	10	334	12	94
JJ7N 5+75E		<5	<0.5	19	20	94	2	13	11	<1	<5	11	5	2.66	1033	<25	1061	25	50	<20	<20	25	<10	30	5	<5	0.33	7.43	0.56	1.80	2.44	1.84	15	429	12	91
JJ7N 6+00E		5	<0.5	15	16	78	2	10	9	1	<5	9	<5	2.37	1004	<25	1097	23	43	<20	<20	24	<10	29	<5	<5	0.30	7.29	0.49	1.72	2.42	1.84	12	435	10	81
JJ8N 6+50E		<5	<0.5	29	19	86	2	12	14	<1	<5	12	5	3.01	2400	<25	843	22	52	<20	<20	26	<10	29	6	<5	0.31	7.18	0.59	1.91	2.33	1.57	13	359	14	80
JJ9N 3+00E		<5	<0.5	39	16	79	2	9	10	<1	<5	14	6	2.67	1057	<25	643	15	47	<20	<20	26	<10	21	6	<5	0.30	7.83	0.53	1.80	2.42	1.55	10	289	13	99
JR13N 7+95E		30	<0.5	24	12	119	2	11	16	<1	<5	11	<5	3.72	1515	<25	707	19	55	<20	<20	31	<10	21	7	<5	0.50	7.78	0.89	2.42	2.53	1.47	13	331	14	90
JR13N 8+10E		8	<0.5	10	15	63	2	13	12	<1	<5	7	5	3.14	952	<25	880	34	58	<20	<20	20	<10	31	6	<5	0.42	7.40	0.75	2.35	2.46	1.67	16	526	12	62
JR15N 7+25E		12	<0.5	15	20	69	1	30	14	<1	<5	9	<5	3.27	611	<25	969	63	67	<20	<20	19	<10	42	7	<5	0.43	7.64	0.90	2.39	2.35	1.74	19	563	14	63
JR15N 7+50E		6	<0.5	9	17	67	3	21	10	<1	<5	<5	<5	2.23	847	<25	942	54	50	<20	<20	17	<10	25	5	<5	0.31	6.58	0.66	2.16	2.81	1.87	16	484	11	66
JR15N 7+75E		9	<0.5	12	16	66	1	36	13	<1	<5	6	8	2.77	555	<25	981	59	58	<20	<20	21	<10	36	6	<5	0.37	6.93	0.82	2.19	2.49	1.78	16	495	12	70
JR16N 7+00E		6	<0.5	14	14	62	1	19	12	<1	<5	<5	<5	2.87	633	<25	904	50	58	<20	<20	21	<10	39	6	<5	0.35	7.36	0.74	2.16	2.37	1.66	15	496	14	74
JR16N 7+25E		20	<0.5	9	18	70	<1	19	11	<1	<5	8	<5	2.60	802	<25	1034	40	53	<20	<20	19	<10	31	6	<5	0.34	7.46	0.71	2.31	2.43	1.77	17	560	12	62
JR16N 7+50E		13	<0.5	14	16	71	2	20	11	<1	<5	<5	6	2.70	867	<25	981	42	52	<20	<20	20	<10	33	6	<5	0.35	7.23	0.73	2.19	2.26	1.66	15	477	12	64
JR17N 5+00E		26	<0.5	14	20	114	2	13	14	<1	<5	7	6	3.19	1538	<25	716	28	59	<20	<20	31	<10	20	6	<5	0.41	7.94	0.74	2.38	2.67	1.56	12	376	11	78
JR17N 5+25E		22	<0.5	16	22	90	2	12	15	<1	<5	10	<5	3.57	1153	<25	585	25	67	<20	<20	30	<10	19	7	<5	0.47	8.19	0.77	2.62	2.71	1.42	13	353	12	87
JR17N 5+50E		33	<0.5	33	23	91	2	17	15	<1	<5	10	7	3.68	1047	<25	743	36	74	<20	<20	28	<10	24	7	<5	0.45	8.43	0.84	2.07	2.23	1.48	14	352	13	94
JR17N 5+75E		18	<0.5	23	16	87	2	16	15	<1	<5	9	<5	3.63	1222	<25	762	28	65	<20	<20	27	<10	25	7	<5	0.45	8.23	0.87	2.16	2.44	1.52	14	357	13	85

ITS Intertek Testing Services
Bondar Clegg

CLIENT: MR. JOHN KERR
REPORT: V99-01269.0 (COMPLETE)

PROJECT: NONE GIVEN
DATE RECEIVED: 25-OCT-99 DATE PRINTED: 27-OCT-99 PAGE 1A(1/ 3)

SAMPLE NUMBER	ELEMENT UNITS	Au30 PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM	Sb PPM
T1 R21A		14	0.3	81	13	76	1	105	9	0.2	<5	10	<5
S1 JJ2N 0+25E		6											
S1 JJ6N 3+75E		7											
S1 JJ6N 4+00E		9											
S1 JR13N 8+00E R		6											
S1 JR15N 7+50E R		7											
S1 JR16N 6+00E		15											
S1 JR16N 7+25E R		6											
S1 JR17N 5+50E R		11											
S1 JR19N 5+00E		10											
R2 JJ01		13	0.3	198	5	116	1	57	44	0.3	<5	<5	<5
R2 JJ02		58	1.3	497	44	245	5	37	41	1.7	<5	293	<5
R2 JJ03		42	0.5	138	28	221	5	35	28	1.6	<5	117	<5
R2 JJ6N 3+50E		9	<0.2	48	13	203	2	37	39	0.5	<5	<5	<5
R2 JJ6N 4+50E RE		<5	0.3	85	3	116	2	32	38	<0.2	<5	<5	<5
R2 JJ9N 5+00E RE		95	<0.2	110	3	142	2	55	52	0.3	<5	<5	<5
R2 JJ13N BE RE		8	<0.2	55	<2	113	1	17	20	<0.2	<5	<5	<5

CLIENT: MR. JOHN KERR PROJECT: NONE GIVEN
REPORT: V99-01269.0 (COMPLETE) DATE RECEIVED: 25-OCT-99 DATE PRINTED: 27-OCT-99 PAGE 1B(2/ 3)

SAMPLE NUMBER	ELEMENT UNITS	Fe PCT	Mn PPM	Te PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	La PPM	Al PCT	Mg PCT	Ca PCT
TI R21A		2.76	309	<10	177	50	54	<20	<20	37	2.28	0.51	0.65
SI JJ2N 0+25E													
SI JJ6N 3+75E													
SI JJ6N 4+00E													
SI JR13N 8+00E R													
SI JR15N 7+50E R													
SI JR16N 6+00E													
SI JR16N 7+25E R													
SI JR17N 5+50E R													
SI JR19N 5+00E													
R2 JJ01		9.59	1451	<10	53	36	258	<20	<20	3	3.64	2.43	2.69
R2 JJ02		>10.00	1063	<10	107	49	88	<20	<20	6	1.44	0.39	0.16
R2 JJ03		4.30	2376	<10	107	372	29	<20	<20	5	0.55	0.20	0.09
R2 JJ6N 3+50E		>10.00	2211	<10	175	75	190	<20	<20	14	3.69	2.85	0.75
R2 JJ6N 4+50E RK		9.02	565	<10	165	74	210	<20	<20	5	3.14	2.80	1.61
R2 JJ9N 3+00E RK		>10.00	1359	<10	47	92	215	<20	<20	3	2.76	2.51	1.60
R2 JJ13N 8E RK		>10.00	593	<10	223	64	110	<20	<20	5	1.91	1.35	0.55

Intertek Testing Services
Bondar Clegg

CLIENT: MR. JOHN KERR
PROJECT: NONE GIVEN
REPORT: V99-01269.0 (COMPLETE)
DATE RECEIVED: 25-OCT-99
DATE PRINTED: 27-OCT-99

SAMPLE NUMBER	ELEMENT UNITS	Na PCT	K PCT	Sr PPM	Y PPM	Ga PPM	Li PPM	Nb PPM	Sc PPM	Ta PPM	Ti PCT	Zr PPM
T1 R21A		0.03	0.17	54	17	5	38	7	<5	<10	0.117	6
S1 JJ2N 0+25E												
S1 JJ6N 3+75E												
S1 JJ6N 4+00E												
S1 JR13N 8+00E R												
S1 JR15N 7+50E R												
S1 JR16N 6+00E												
S1 JR16N 7+25E R												
S1 JR17N 5+50E R												
S1 JR19N 5+00E												
R2 JJ01		0.07	0.09	48	16	5	29	19	23	<10	0.262	<1
R2 JJ02		0.01	0.60	53	18	<2	7	4	10	<10	0.019	3
R2 JJ03		<0.01	0.10	9	16	<2	4	<1	<5	<10	<0.010	1
R2 JJ6N 3+50E		0.04	0.17	41	19	11	35	13	14	<10	0.134	<1
R2 JJ6N 4+50E RK		0.20	0.19	84	15	8	30	15	12	<10	0.557	<1
R2 JJ9N 3+00E RK		0.05	0.11	42	15	3	32	15	17	<10	0.146	<1
R2 JJ13N 8E RK		0.07	1.25	10	7	8	24	6	6	<10	0.308	<1

Appendix B - Magnetometer Readings
J&J Claims (not on map)

Magnetometer Readings: J&J Claims

(These readings do not appear on any map)

All readings total field magnetics in gammas

Easting	L 3+00N	L4+00N	L5+00N	L6+00N
0+00	58655	56931	58221	56178
+25	60319	57378	58460	56281
+50	58226	58331	58739	56457
+75	56816	57941	59329	57037
1+00E	57212	59053	59770	58021
+25	58198	58082	59589	58169
+50	57972	58415	58331	58164
+75	57666	58027	56523	58868
2+00E	58275	57409	55950	57147
+25	57017	57636	57460	57951
+50	57156	58615	56989	56889
+75	57382	55019	57781	57562
3+00E	57625	57578	59758	57545
+25	58086	57727	57870	56899
+50	58037	58573	57730	58421
+75	57396	58947	58561	58065
4+00E	57210	58702	58636	57253
+25	56943	59004	57904	57751
+50	56810	58683	58623	57964
+75	56563	57631	58073	58505
5+00E	56504	56999	57114	56695