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GEOCHEMICAL REPORT
and
APPRAISAL OF THE
DOK 1, 5 AND 6 MINERAL CLAIMS

RECORD NO'S 4699(6), 4703(6) AND 4704(6)

LIARD MINING DIVISION
BRITISH COLUMBIA

LATITUDE: 57° 32' N
LONGITUDE: 131° 33' W

N.T.S. MAP # 104G/12E

OWNER: CONTINENTAL GOLD CORPORATION
OPERATOR: PACIFIC RIM MINING CORP.

Prepared by: H.H. Shear, P. Eng.
August 28, 1990

GEOLOGICAL BRANCH
ASSESSMENT REPORT

20,291

Annual Work Approval No.
SMI 90-0100399-615

TABLE OF CONTENTS

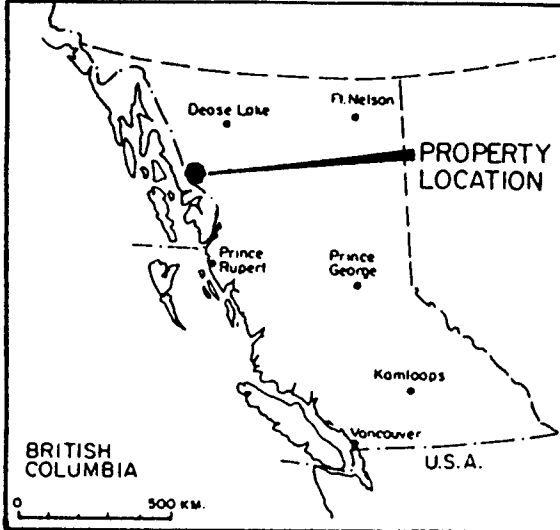
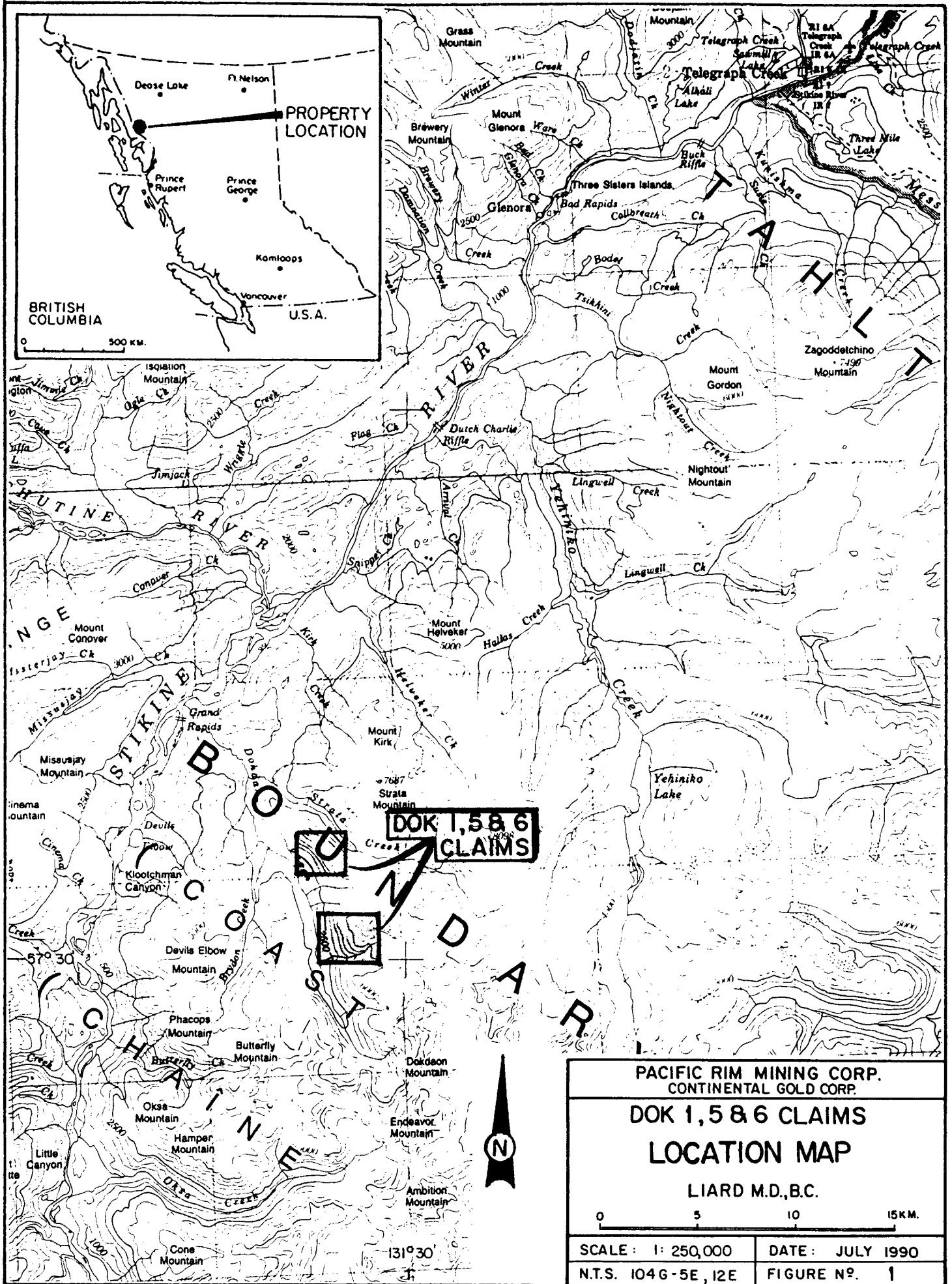
	<u>Page</u>
Introduction	1
Description of Program	5
General Geology	8
Geology - Dok 1	8
Description of Main Zone and 1971 Copper Soil Anomaly - Dok 1	10
Geology - Dok 5 & 6	11
Description of 1970 Copper Soil Anomaly - Dok 6	11
Discussion of June, 1990 Program Results	12
Conclusions and Recommendations	19
Cost Statements	21
Statement of Qualifications	23

LIST OF FIGURES

Figure 1	Location Map - 1:50000	2
Figure 2	Claim Map - 1:50000	3
Figure 3	Index Map - 1:50000	6
Figure 4	Dok 1 Claim, Detailed Plan of Sample Location - 1:5000	13
Figure 5	Dok 1 Claim, Geochemistry - Au, Ag, Cu, As - 1:5000	14
Figure 6	Dok 1 Claim, Geochemistry - Pb, Zn, Sb, Cd - 1:5000	15
Figure 7	Dok 6 Claim, Detailed Plan of Sample Locations - 1:5000	16
Figure 8	Dok 6 Claim, Geochemistry - Au, Ag, Cu, As - 1:5000	17
Figure 9	Dok 1, 5 and 6 Claims, Plan Showing Sample Locations 1:10000	In Pocket

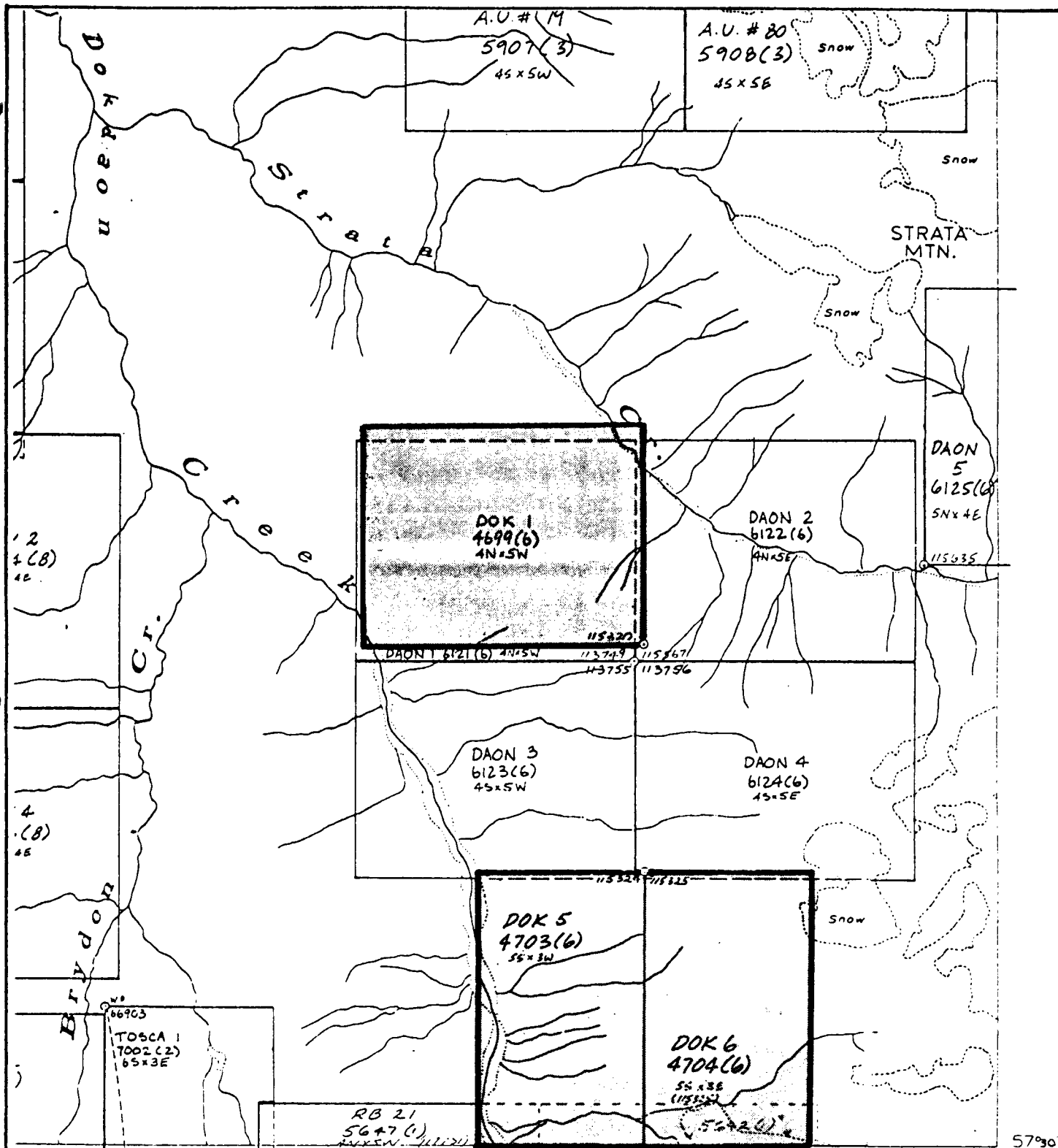
LIST OF APPENDICES

Appendix 'A'	Assay Sheets
Appendix 'B'	Rock, Soil and Silt Sample Descriptions
Appendix 'C'	Statements of Work Filed
Appendix 'D'	Northern Mountain Helicopter Inc. Invoice



DOK 1, 5 & 6 CLAIMS

PACIFIC RIM MINING CORP. CONTINENTAL GOLD CORP.	
DOK 1, 5 & 6 CLAIMS LOCATION MAP	
LIARD M.D., B.C.	
SCALE: 1: 250,000	DATE: JULY 1990
N.T.S. 104G-5E, 12E	FIGURE NO. 1



TO SOUTH SEE MAP 104G/5E.



PACIFIC RIM MINING CORP. CONTINENTAL GOLD CORP.	
DOK 1, 5 & 6 CLAIMS	
CLAIM MAP	
LIARD M.D., B.C.	
0 1 2 3 KM.	
SCALE: 1: 50,000	DATE: JULY 1990
N.T.S. 104G-5E, 12E	FIGURE NO. 2

Exploration work on the Dok claims in the early 1970's was directed toward finding porphyry copper deposits, and several copper soil anomalies were disclosed by this work. A very strong copper and lead soil anomaly was partially delineated on what is now the Dok 1 claim. A moderate copper soil anomaly was indicated by a survey consisting of one line only across a prominently limonite stained area on what is now the Dok 6 claim. No assays for gold and only a very few assays for silver are reported in this work (Report no.'s 3238 and 3029 respectively). An interesting copper occurrence of disseminated chalcopyrite called the Main Zone, lies within the area of the copper soil anomaly on the Dok 1 claim. The Minister of Mines Annual Report for 1972, Geology, Exploration and Mining in British Columbia - 1972, reports 5 drill holes totalling 817m (2680') being completed in the Dok 1 claim and surrounding area. The location of three of these holes, DDH 1-3, are shown on a map in Report #3238 but there is no other information on this drilling.

As the emphasis in exploration in northwestern B.C. is now directed toward finding gold deposits, the programs here reported were designed to test the known copper anomalies on the Dok 1 and 6 for precious metal values by geochemical sampling. An area of strong limonite staining occurring at the southeast corner of the Dok 6 claim, on which no previous work is reported, was investigated by some sampling. A piece of float which assayed 10 g/tonne gold was collected during the staking of the Dok 1-6 in a steep gulch near Dokdaon Creek on the Dok 5 claim. Samples were taken up slope in an attempt to follow up on this. An examination of the diamond drill core from the Dok 1 area was attempted, but the boxes were too rotten to move without destroying most of the boxes and thus spilling the core. One representative sample for assay was collected from DDH2.

The programs consisted of the collection of 15 soil samples, 9 rock samples and one core sample from the Dok 1, 31 soil samples and 10 rock samples from Dok 6, and 2 silt samples and 3 rock samples from Dok 5. Photographs of the limonite stained zones were taken from the helicopter to aid in plotting their locations. Numerous geologic rock type samples were collected during all traversing, geologic observations made, and these are noted in this report. However, these are not intended to stand on their own as a geological report. These observations were deemed advisable to aid in locating sample locations on the ground. The descriptions in this report of geology, old showings and old anomalies are made to aide in interpreting the results and to aid in making the results more meaningful. In addition, it is hoped that any geologic comments made here will aid in planning future work. This report is being prepared for both assessment purposes and as an evaluating report for Pacific Rim Mining Corp.

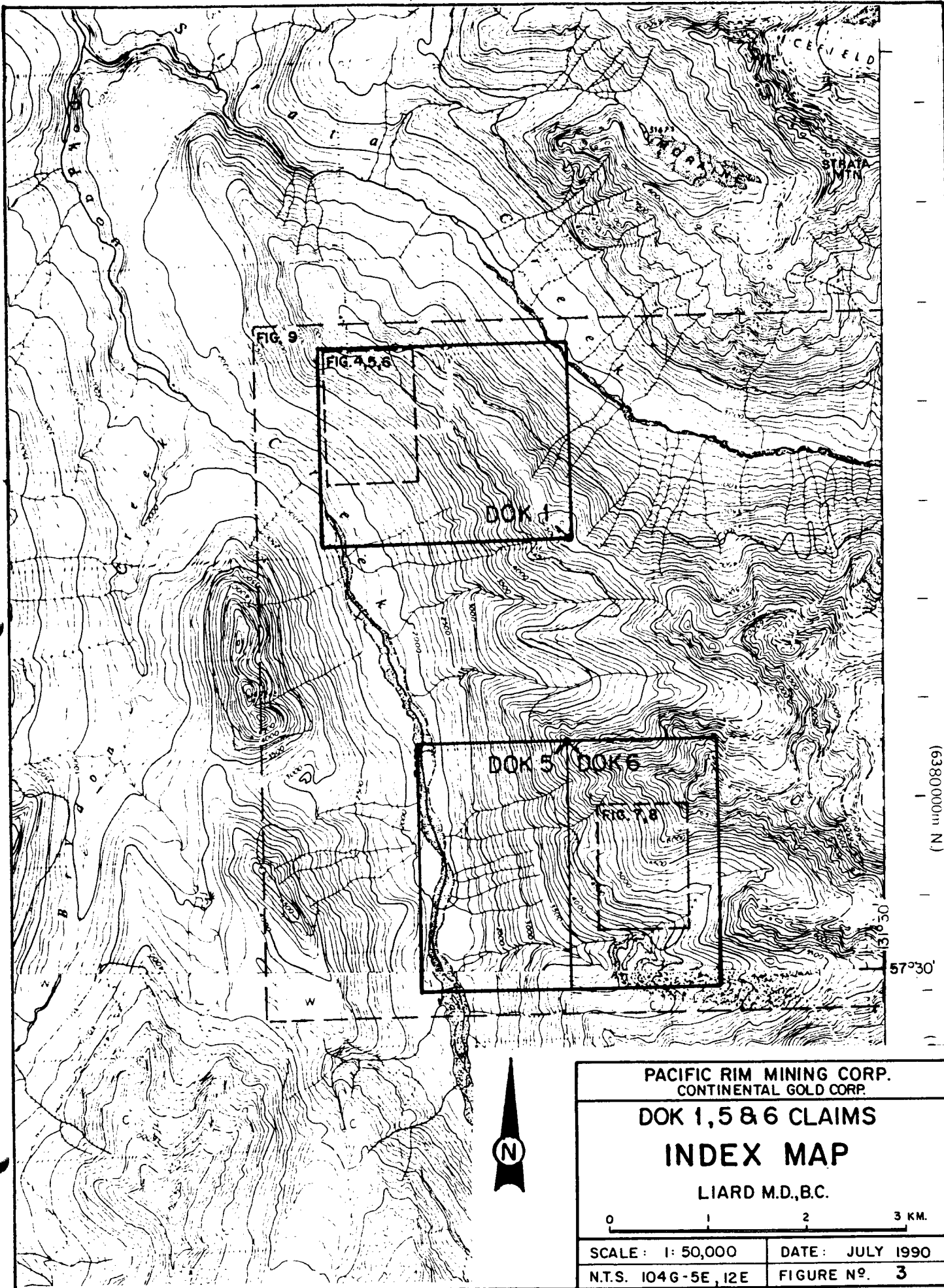
Description of Program

As mentioned in the introduction, the purpose of this program was to try to establish if any precious metal values occur within the known areas of interest on the Dok 1, 5 and 6 claims. To accomplish this, a program of geochemical sampling was completed on the claims from June 16 to 18, 1990. Due to the very high cost of transportation in this area and the very steep terrain which allows very limited landing spots by helicopter, it was decided to make traverses with three people on June 16th and 17th. One man was not available on the 18th so two men were used the last day. By working together, longer traverses could be covered by sharing the work, and the packing of more samples was possible. Also, to utilize the time during a short program as effectively as possible, the Galore Creek Camp was used as a base. A Northern Mountains Inc. helicopter was based there and a camp service providing room, board and bathing facilities was available.

A Central Mountain Airways flight was taken by the writer and assistant, Jay Hallman, from Smithers, B.C., to the Galore Creek Strip on June 15th. Hallman, with suitable soil sampling experience, took soil samples and helped pack during the program. The third man, John Mirko, is a prospector with over 15 years experience and was already stationed at the Galore Creek Camp. Mirko wrote a prospecting assessment report on the Dok claims in 1989 and was familiar with the property. This aided in formulating final plans on the evening of the 15th and resulted in less wasted helicopter flying time when accessing the areas to be examined.

The main source of reference in carrying out the program was a detailed March, 1990, report by David A. Caulfield, F.G.A.C., titled "1989 Summary Report on the Dok 1-6 Claims". In this report, Caulfield detailed in text and maps the results from the 1970-72 assessment reports mentioned in the introduction, and all regional geologic work reported in government publications. Blow-ups to 1:20000 of the 1:50000 government topo maps were used as field sheets for the program.

Figure 3 is an index map showing the locations of Figure 4 - 9. These 6 maps show the location of all samples collected for assays during this program. Also noted on Figures 4 and 7 is some geologic data considered relevant to the aims of the programs completed. Figures 4 and 7 are 1:5000 scale detailed maps where all the samples from Dok 1 and most of the samples from Dok 6 were taken respectively. Figures 5, 6 and 8 are plan maps showing assay results from the figure 4 and 7 areas. Figure 9 is a 1:10000 scale plan of the properties which shows the location of Figures 4-8 and the location of those samples collected that are not on these detailed maps.



(638000m N)

51° 50'

57° 30'

PACIFIC RIM MINING CORP. CONTINENTAL GOLD CORP.	
DOK 1, 5 & 6 CLAIMS	
INDEX MAP	
LIARD M.D., B.C.	
0 1 2 3 KM.	
SCALE: 1: 50,000	DATE: JULY 1990
N.T.S. 104G-5E, 12E	FIGURE N ^o . 3

The programs were completed as follows. On June 16th the writer, Mirko and Hallman were dropped at the Dok 1 LCP. The crew proceeded down the ridge northwesterly that trends through the Dok 1 claim then down from the ridge top in the vicinity of samples SS45-1 and 2 to the main showing area. Rock samples were taken where copper mineralization and alteration were found and thought to be in place. Two soils were collected near the ridge top because of very rusty soil observed at sample SS 45 1. Soils were collected every 50 meters along a 600 meter line centered above the Main Zone and in the middle of the 1971 copper soil anomaly. The crew walked out for helicopter pick-up on Dokdeon Creek. It was intended to inspect the core while waiting for pick-up but the undergrowth impeded the crews progress so that no time was available before pick-up.

On June 17th the writer, Mirko and Hallman were dropped on the Dok 6 claim east of sample 078626 (Figure 7). The target to be checked was a large limonite stained zone with some anomalous soil sample values in copper from a 1970 survey. Three soil lines were sampled along the 5500', 5000' and 4800' contours. All proceeded along soil SS55 line and then separated. Hallman collected soils as directed and the writer and Mirko proceeded down and back around to the southeast at different elevations looking for possible mineralized rock sample locations. Pick-up was near sample 078628 (Figure 9).

On June 18th the writer and Hallman went out keeping the helicopter with us for the day. Samples were taken in the southeast corner of the Dok 6, the central east side of the Dok 5 and the 1971 diamond drill core (located on Figure 9) from the Dok 1 claim area was inspected. The writer and Hallman returned to Smithers via Central Mountain Airlines late on the 18th.

Slopes in the soil sample locations of both Dok 1 and 6 are very steep and regular. The writer calculated from the topographic map that a 1000 meter horizontal length through the main showing on the Dok 1 claim averages 33° in slope. Soil profiles are not normal and downhill creep has mixed organics, soil, till and rock. Therefore, the soils were taken to get as fine, organic free, and representative a sample as possible. This explains the soil depths included with sample descriptions in the appendix since most samples were taken through a depth range to sort out fines and or avoid organics. Samples were taken with a small mattock and put in standard manila soil bags. Rock sample collection methods are described in the appendix.

All samples were delivered to the Min-En Laboratories Ltd. sample preparation facility in Smithers, B.C. Sample preparation was done there and pulps were sent to the main lab in North Vancouver, B.C. for ICP analysis for 31 elements plus gold. Sample preparation for soil, silts and rock begins with drying at 95°C. Rock samples are then crushed and pulverized by ceramic plated pulverizer to -150

mesh. Soil and silt samples are screened by an 80 mesh sieve to obtain a minus 80 mesh fraction for analysis.

For gold geochemical analysis a 5.0 gram sample is taken of the pulverized rock or screened soil and pretreated with a HNO_3 and HClO_4 mixture. After pretreatment, the samples are digested with Aqua Regia solution, and after digestion, the samples are taken up with 25% HCl to suitable volume. Further oxidation and treatment of at least 75% of the original sample solutions make them suitable for extraction of gold with Methyl Iso-Butyl Ketone. With a set of suitable standard solutions, gold is then analyzed by Atomic Absorption instruments to an obtained detection limit of 5ppb.

For the ICP analysis, a 1.0 gram sample is digested for 4 hours with an Aqua Regia- HClO_4 mixture. After cooling, samples are diluted to a standard volume. The samples are then analyzed by computer operated Jarrall Ash 9000 ICAP machine.

All assay values and sample descriptions are reported in the appendix in the back of this report. Assay values of significance are shown in plan on Figures 5-6 and 8.

General Geology

The following description of general geology is taken from Caulfield's report which mainly quotes from a recent paper by D.A. Brown and M.H. Gunning of the B.C. Geological Survey, to describe regional geology (Paper 1990-1: Geology of the Stikine River - Yehiniko Lake Area - 104G/11W, 12E). The Dok claims are underlain by Upper Triassic Stuhini Group mafic volcanic rocks, with minor sediments, that have been intruded by Middle Jurassic stocks of variable composition and dike swarms of felsic to andesitic composition. The Stuhini Group consists of marine, mafic crystal-lithic lapilli tuff, ash tuff and lapilli tuff - breccia, dominated by plagioclase-rich andesite flow-breccia and tuff-breccia, with minor sedimentary sections of tuff, siltstone, argillite and limestone. The intrusive rocks are hornblende granite to quartz monzonite stocks with spatially associated pink latite, trachyte, syenite and (quartz) monzonite dikes. In addition, white to creamy light tan rhyolite dikes are common.

Geology - Dok 1

During the traverse from the Dok 1 LCP down the northwest trending ridge, the unaltered rocks lying east of the Main Zone were observed. These consist mainly of dark colored mafic, feldspathic, tuffaceous rocks with generally moderate magnetic susceptibility and a variable calcite content from very limey to minor calcite on the occasional fracture. Several small pink syenitic dikes, also magnetic, were observed. The eastern corner of a 1971 magnetometer

survey completed over the area around the Main Zone extends into these moderately magnetic rocks and the higher results there clearly reflect their presence.

There is a very noticeable change in the rocks exposed around the Main Zone and up slope to the ridge top. There are very few outcrops as the hillside has a relatively uniform steep slope which is covered with patches of thick slide alder, a few grassy sections which predominate higher up, and mixed dirt and scree with scattered vegetation. The 1971 report used the magnetometer survey to define boundaries on their geologic map which the writer feels is unreliable. Of all the rock samples observed in the area, including the core, only a very minor amount of andesitic volcanic had any detectible (hand magnet) magnetic susceptibility.

Rock types observed from rock sample 078617 down to the Main Zone were light grey calcareous tuffs to dark grey limestone. The most prominent and extensive outcrops which were mainly well up slope from the Main Zone were very light tan to whitish rhyolite dikes. Occasional pieces of altered fine grained tuff(?) were observed as float which were silicified, bleached (clay) and limonite stained.

An attempt was made to examine the stacked core from the 1971 diamond drilling program. The core is located at the edge of Dokdeon Creek at the old 1971 camp site south of the Dok 1 southern boundary (Figure 9). Unfortunately the core boxes are rotten, especially on the two ends of the pile, so that the top boxes could not be moved without falling apart and spilling the core. It was possible to move and replace some of the boxes in the center of the pile so that a section of the core boxes marked DDH2 were examined along with a few of the boxes going out to the end of the stack. Many of the footage marking blocks were no longer legible. A representative sample, 078639, was taken from approximately 200'-300' from DDH2 because its very light grey to whitish color made it appear silicified and the section containing 2-4% disseminated pyrite. During a later examination of representative core samples taken, made while preparing this report, it was concluded that this rock type is highly feldspathic tuff (see rock descriptions - appendix). Assays by that time had been received and no values of interest were present.

The drill core rock types consist of mainly unaltered intermediate to mafic tuffs, light grey to dark greenish grey and varying from very feldspathic - low calcite to very calcareous tuffaceous limestone. Grain sizes vary from fine grained to fragments up to 5 x 5mm. Disseminated pyrite is common but not ubiquitous. The apparent magnetic susceptibility was nil except for one very limited andesitic unit or dike. A few short limonitic and silicious sections, probably altered weathered fault zones, were observed containing pyrite veinlets up to 5mm wide. Intrusive rocks present were minor fine grained pinkish-red syenite, grain size to 2 x 2mm, and light tan rhyolite with minor limonite

staining with a granular, 1 x 1mm, texture. Three drill holes shown on the 1971 maps were transposed to Figure 4. Two are located within the Main Zone gossan and all are within the 1971 copper soil anomaly. One would certainly expect some mineralization in DDH2 which is shown located near the top of the Main Zone. However, absolutely no alteration similar to that on surface and no copper mineralization could be found in any of the core. DDH2 was examined from about 100' to 500'. It is possible that any mineralized core was removed from the property.

Description of Main Zone and 1971 Copper Soil Anomaly - Dok 1

The only known area of interest on the Dok 1 claim is the Main Zone and several lesser copper showings in the same vicinity (See Figure 4). The Main Zone is a very prominent reddish to orangey brown scar of gossanous scree which commences abruptly along a break in the normal ground cover. This break forms a 0.5 to 1 meter scarp along roughly the 3350' contour for approximately 75 meters. The Main Zone spreads out within a few tens of meters down slope to a maximum width of about 200 meters. The central scree slide extends for several hundred meters down the steep slope. The Main Zone is barren of vegetation and there are only a few, small, low outcrops scattered along its top both above and just below the break in ground cover.

The Main Zone scree is impressively mineralized with chalcopyrite, malachite and very abundant limonite. The main rock type appears to be a mafic volcanic which is dark green to blackish in spots where it is less altered by chlorite, clay (bleached) and mineralization. Mixed in minor amounts with the volcanics are pieces of dark gray impure limestone and coarse grained altered intrusives with abundant coarse grained pinkish K-feldspar (syenite or monzonite), all of which are well mineralized as above. The sites of samples 078620, 23 and 24 are the only outcrops in or near the Main Zone which were considered with certainty to be in place. The outcrop at sample 078624 is fine grained, slightly magnetic, dark green, mainly barren andesite. The other two outcrops are well mineralized and appear to be altered syenite or monzonite (see appendix for more complete descriptions). Also observed in the Main Zone area were a few pieces of coarse grained float composed of about 80% biotite and 10% quartz. Except for minor amounts of unaltered andesite, none of the rock types in the Main Zone or surrounding area displayed any magnetic susceptibility and most were moderately to very calcareous.

The Main Zone lies within a very extensive copper geochemical soil anomaly as defined by the 250ppm contour. This work, done in 1971, also outlined an extensive lead anomaly as defined by the 75ppm contour. The only other metal assayed in this survey was molybdenum which returned no anomalous values. The copper anomaly trends roughly N65°W across the 1971 grid for about 1600 meters and

is open in both directions. Both the Cu and Pb anomalies contain erratic highs and lows throughout. The Cu anomaly contains numerous +2000ppm values which presumably was the upper detection limit at that time. The Cu anomaly is strongly biased in two directions; NW-SE, which is along contour, and NE-SW which is down slope. This anomaly does not correlate with the 1971 geologic map but cuts across all units as shown on that map.

Geology - Dok 5 and 6

The geology underlying the Dok 6 claim is a pile of intermixed mafic volcanic rocks. Fine to medium grained dark green to black tuffaceous rocks predominate with occasional very fine grained intrusive or flow mafic volcanics. Two occurrences of feldspar porphyry were observed which were large enough to note on Figure 7 and a few very minor occurrences of rhyolite and syenite were observed in the field. These rocks contained minor spotty calcite and minor spotty magnetic susceptibility. In the Figure 7 area, occasional small altered fault zones occur characterized by abundant silicification and limonite. In the southeast corner of the Dok 6 claim where samples 078632-5 were taken (Figure 9), the same rock types are lighter in color due to pervasive silicification. Finely disseminated pyrite is common, especially in the limonite stained areas which were sampled in the Figure 7 area and the southeast corner of the Dok 6 claim. In the southeast corner of the Dok 6, several quartz-carbonate veins, 2-20cm wide, were observed and included in the sampling where accessible.

These mafic volcanics have been intruded by hornblende granodiorite and quartz monzonite (abundant pink feldspar in spots) on the west. These plutonic rocks were observed on the Dok 5 claim in the area of Silt 13 and 14 (Figure 9). The plutonic contact is complex as abundant exposures of rhyolite, fine grained pink syenite and varied intermediate (light colored) to mafic (dark) volcanics occur as zones and/or dikes in this area.

In general, alteration is not impressive where traverses were made of the Dok 5 and 6 claims. The Silt 13 and 14 area on Dok 5 was particularly unaltered and uninteresting looking except for the small exposure of altered rhyolite where samples 078637 and 8 were taken. The limonite stained zone in the control portion of the Dok 6 claim (Figure 7) is not strongly altered. Limonite occurs on weathered exposed fractures or rock faces except in a few narrow altered shear zones. The rusty pieces of outcrop or talus are generally fresh and not rusty in their centers. The limonite staining appears due to pervasive very fine grained pyrite, probably a product of mild metamorphism.

The southeast corner of the Dok 6 claim display stronger alteration. Silicification has resulted in a lighter rock color and pyritization is the cause of the prominent limonite staining.

However, the alteration here is still not so intense as to be interesting in itself. It might halo something of interest.

Description of 1970 Copper Soil Anomaly - Dok 6

The old 1970 program included one line of soil samples staggered in two segments for about 1500 meters across the top of the limonite zone shown in Figure 7. About 500 meters of this survey was anomalous in copper values ranging from 285 to 800ppm and this section of the line roughly coincides with the limonite zone. Only values for copper and molybdenum were reported with no anomalous values in Mo. This anomaly and related limonite stained zone was the principal area targeted for checking for precious metal values on the Dok 5 and 6 claims during this program.

Discussion of June, 1990, Program Results

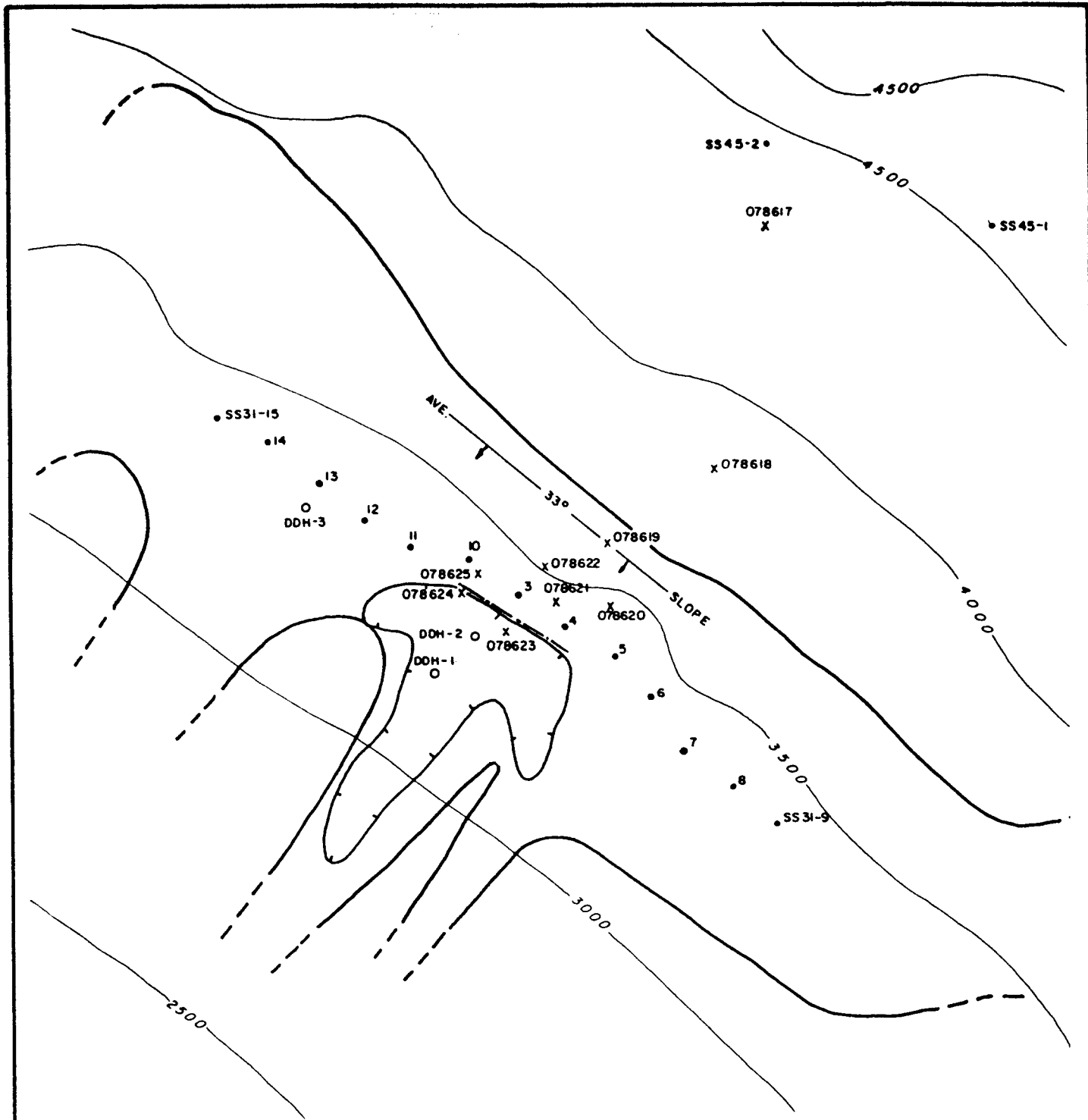
Dok 1

The program confirmed the presence of high copper values within the 1971 anomaly, and also their somewhat erratic distribution. More importantly, the survey indicates the presence of anomalous gold and silver values. The following soil and rock values are presented to aid in comparing values and ratios (all values in PPM except gold-PPB):



<u>Soils</u>	<u>Au</u>	<u>Ag</u>	<u>Cu</u>	<u>Pb</u>	<u>Zn</u>	<u>Sb</u>
SS 31 3	210	5.1	4501	129	310	40
SS 31 4	45	36.4	1574	588	490	179
SS 31 6	130	8.7	1713	103	307	12
SS 31 7	35	5.3	273	701	332	37
SS 31 10	185	2.9	4063	109	261	18
SS 45 1	280	5.9	494	230	1345	34

<u>Rock</u>	<u>Au</u>	<u>Ag</u>	<u>Cu</u>	<u>Pb</u>	<u>Zn</u>	<u>Sb</u>
078619	220	5.6	11176	49	151	14
078620	145	10.9	3147	205	173	149
078621	150	6.4	5671	52	177	12
078622	130	23.0	26841	73	194	34
078623	150	4.2	8567	38	182	8


The ratio of Au and Ag values in soils to the copper values are much higher than those in the rock samples. The higher values in Pb and Zn values in soils over those in the rock samples is worth noting. The elevated values in Sb, Pb, and Ag may indicate the presence of sulfosalts. The Main Zone gossan and rock samples with good values indicate an area of interesting Cu, Au and Ag values of at least 150 x 200 meters.



LEGEND

-  1971 COPPER SOIL ANOMALY - APPROX. 250 ppm CONTOUR
- SS45-1 SOIL SAMPLE LOCATION & NR.
- x 078619 ROCK " " "
- 1971 DIAMOND DRILL HOLE
- - - BREAK IN NORMAL GROUND COVER
-  VERY PROMINENT GOSSANOUS SCREE - MAIN SHOWING



PACIFIC RIM MINING CORP. CONTINENTAL GOLD CORP.	
DOK 1 CLAIM DETAILED PLAN OF SAMPLE LOCATIONS LIARD M.D., B.C.	
	
SCALE: 1: 5000	DATE: JULY 1990
N.T.S. 104G-12E	FIGURE N ^o . 4

• 5,0.5,131,6

x 40,0.5,854,5

• 280,5.9,494,156

• 40,1.0,701,3

• 20,1.3,866,42

• 15,0.8,242,7

x 5,1.5,428,28

• 5,1.2,497,23

• 35,1.5,794,14

• 185,2.9,4063,33

x 220,5.6,11176,16

• 20,5.7,1652,73 x

x 130,23.0,26841,24

• 15,17,774,31 x

• 210,5.1,4501,48

x 150,6.4,5671,42

x 145,10.9,347,55

• 150,4.2,8567,13 x

• 45,36.4,574,50

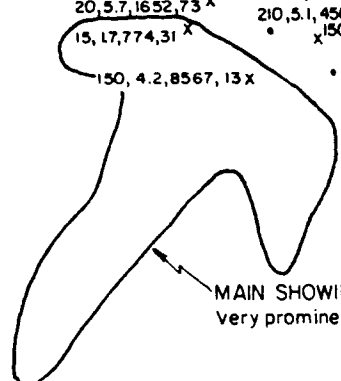
• 10,2.0,228,5

• 130,8.7,1713,13

• 35,5.3,273,18

• 35,1.5,1798,9

• 15,1.4,395,17



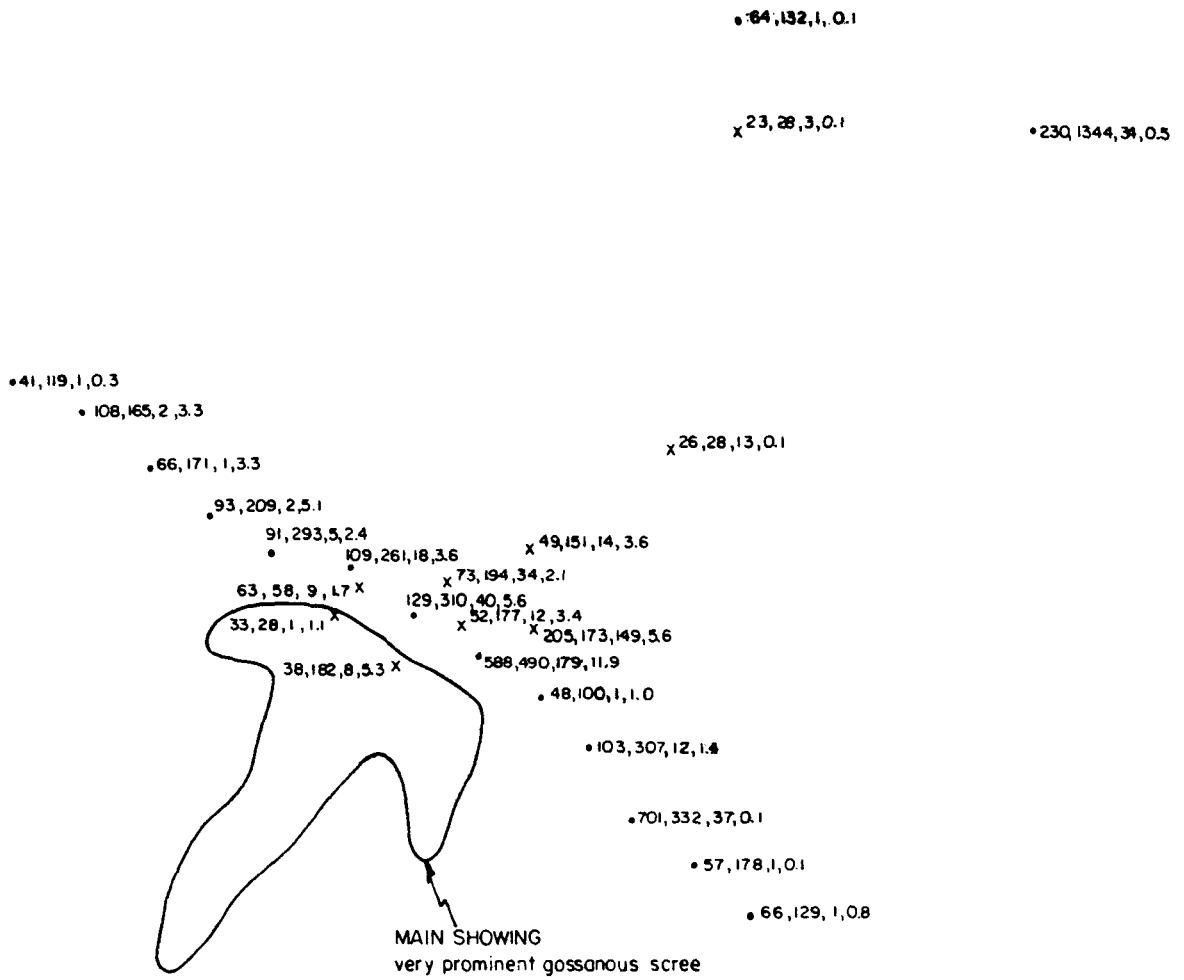
MAIN SHOWING
Very prominent gossanous scree

LEGEND

- SOIL SAMPLE LOCATION
 - x ROCK " "
- 15,1.4,395,17 Au ppb, Ag ppm, Cu ppm, As ppm



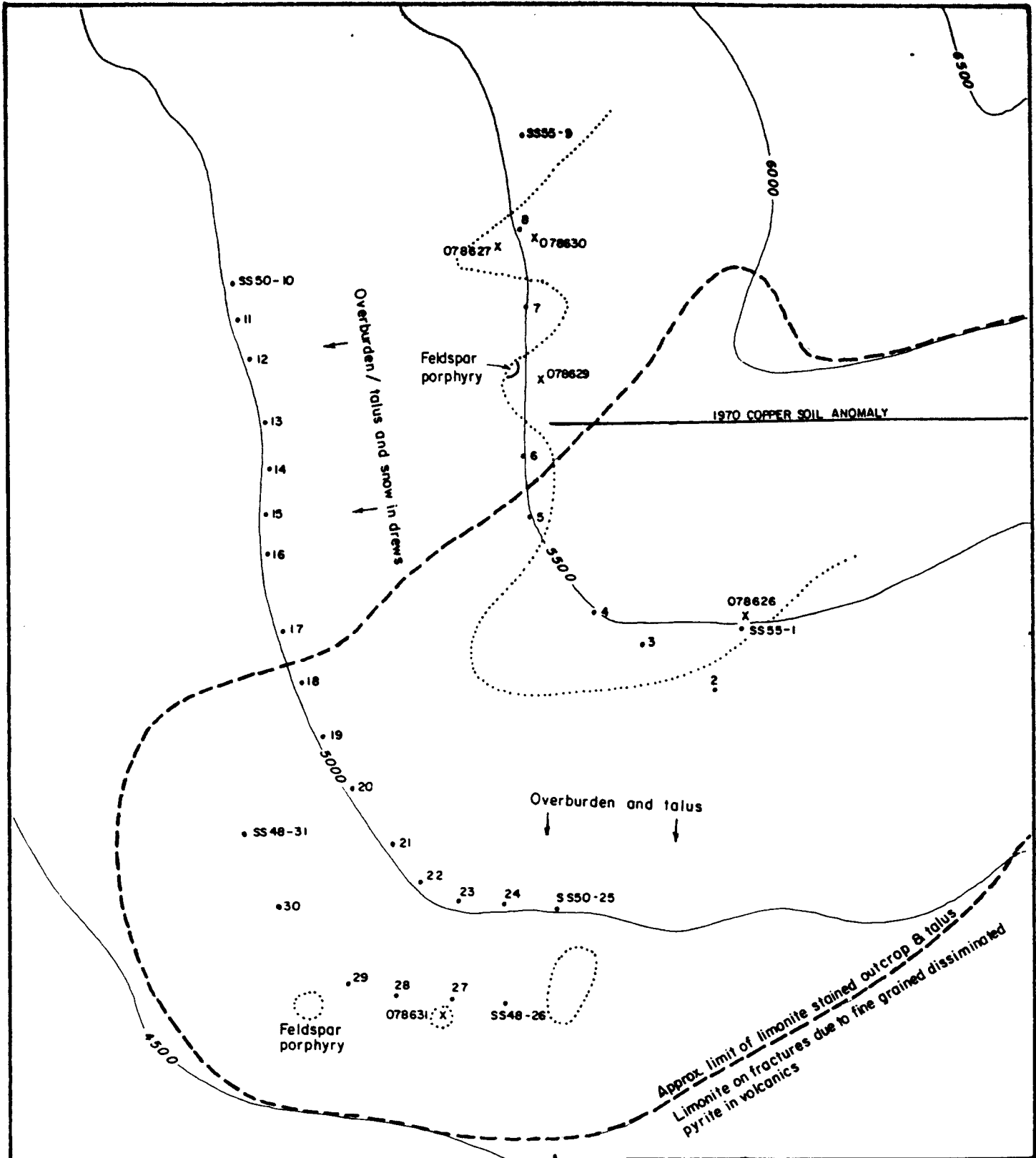
PACIFIC RIM MINING CORP. CONTINENTAL GOLD CORP.	
DOK 1 CLAIM	
GEOCHEMISTRY - Au,Ag,Cu,As	
LIARD M.D.,B.C.	
SCALE: 1:5000	DATE: JULY 1990
N.T.S. 104G-12E	FIGURE N ^o . 5



LEGEND

- SOIL SAMPLE LOCATION
- x ROCK " "
- 48,100,1,1.0 Pb, Zn, Sb, Cd (ppm)

PACIFIC RIM MINING CORP. CONTINENTAL GOLD CORP.	
DOK 1 CLAIM	
GEOCHEMISTRY - Pb, Zn, Sb, Cd	
LIARD M.D., B.C.	
SCALE : 1:5000	DATE : JULY 1990
N.T.S. 1046-12E	FIGURE N ^o . 6

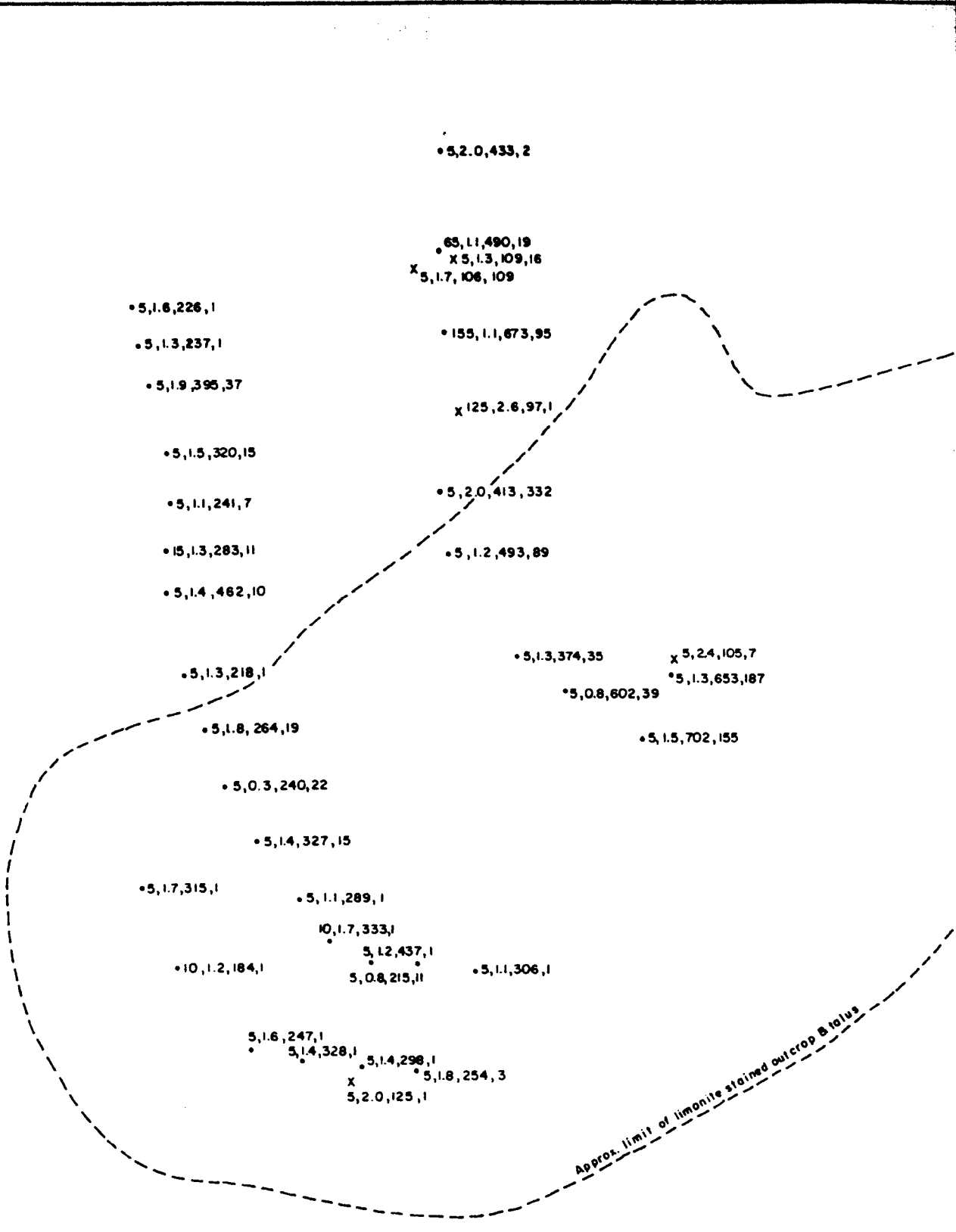


LEGEND

- SS 50-25 SOIL SAMPLE LOCATION & N^o.
- x 078631 ROCK " " " "
- OUTCROP ; EXCEPT WHERE NOTED ALL ROCKS ARE DARK GREEN AND GREY TO BLACK, MAINLY UNALTERED MAFIC VOLCANICS



PACIFIC RIM MINING CORP. CONTINENTAL GOLD CORP.	
DOK 6 CLAIM DETAILED PLAN OF SAMPLE LOCATIONS LIARD M.D., B.C.	
SCALE : 1 : 5000	DATE : JULY 1990
N.T.S. 104 G - 12 E	FIGURE N ^o . 7



LEGEND

- SOIL SAMPLE LOCATION
 - x ROCK " "
- 10,1.7,333,1 Au ppb, Ag ppm, Cu ppm, As ppm.



PACIFIC RIM MINING CORP. CONTINENTAL GOLD CORP.	
DOK 6 CLAIM	
GEOCHEMISTRY - Au, Ag, Cu, As	
LIARD M.D., B.C.	
SCALE: 1: 5000	DATE: JULY 1990
N.T.S. 104G-12E	FIGURE No. 8

The 1971 survey indicates the possibility of a much larger area of good mineralization. Very little outcrop is available to evaluate the potential here by surface sampling of rock, prospecting, or geologic mapping. Because of the steepness of the terrain the anomalous geochemical values have moved downhill to some or a great degree. The diamond drilling completed in 1971 apparently did not intersect anything to explain the old soil anomaly or the Main Zone mineralization.

Soil sample SS 45 1 was taken from a small break of very rusty dirt in the grass covered side hill. Sample SS 45 2 was a second check sample 200 meters away which contained no values of interest. Sample SS 45 1 contains the highest gold value from the Dok 1 survey. The copper value is quite low with the regard to the gold as compared with the samples taken below and this sample lies over 400 meters up slope from the known area of interest.

It is the writer's opinion that the main cause of anomalous copper values in soils is not situated beneath the Main Zone but somewhere up hill. The nature of any potential mineralization occurring up hill may not be the same as the Main Zone since some lead, zinc or sulfosalts minerals may also be present. The soil samples and particularly SS 45 1 hold out the possibility for some degree of gold zoning with much higher gold values than those returned in the rock samples at the Main Zone.

Dok 5 and 6

Results from geochemical sampling on these claims do not provide much encouragement in those areas investigated. While taking Silt 13 on the Dok 5 (Figure 9), a small zone of very altered rhyolite was found lying on a contact between barren whitish-cream colored rhyolite and barren granodiorite. The occurrence fit the description of float assaying 10 grams per tonne gold found downslope near Dokdaon Creek during the staking of the Dok claims. However, two samples, 0878637-8, from this zone returned no values of interest. A third sample from a 15cm quartz vein near by in the granodiorite also returned no values of interest. Similarly Silts 13 and 14 were of no interest.

The main target sampled on the Dok 6 claim (Figure 7 and 8) had elevated copper values which decrease in intensity with each lower line. The rock samples taken in this area were carefully picked material to try and get some gold to report. Sample 078631 was the only one and the only place where any copper mineralization was seen and only minute amounts were seen here. Sample 078626 was from a rusty limonitic and silicious fault zone. Samples 078627-30 were from narrow quartz-carbonate veins with some minor disseminated pyrite but no visible base metal sulphides. The writer believes that the copper in soils in this area reflects low, uninteresting, and similar copper values in the mafic volcanic unit probably related to the pyritization which has caused the

widespread limonite staining. Soil SS 55 8 returned a gold value of 155ppb, but on its own it is not considered significant.

The four rock samples taken from the southeast corner of the Dok 6 claim returned the highest values from the Dok 5 and 6 sampling program. The limonite stained volcanic outcrops occur as cliff faces along the edge of glacial ice and gravel. Samples 078632-4 (Figure 9) were taken for several meters each along the base of the cliff face where accessible and the samples were of selected silicious and pyritic volcanics and quartz-carbonate vein material randomly and sparingly distributed through the moderately altered country rock. The intention in taking these samples in this way were to try to get some good gold values. In view of the selected nature of the samples, the results, elevated As values and one 380 ppb Au, are not of great interest. Sample 078635 was taken across a slide below a very limonite stained cliff. No gold was present although the sample returned 907ppm As. This area may be the edge of a more interesting zone, but is considered a very low priority area. Glacial ice and thick gravel border the south edge and abundant outcrop in steep cliffs lie west, north and east.

Conclusions and Recommendations

Dok 1

A very interesting and large copper soil anomaly was partially outlined by a 1971 survey on the Dok 1. The June, 1990 program, described in this report, was successful in demonstrating that this anomaly also carries significant gold and silver values. Some diamond drilling completed in 1971 in the area did not explain the cause of the anomaly and even though located near showings, appear not to have cut values or significant alteration. These 1971 drill holes were located too far down slope to adequately and completely check out the anomaly.

The June, 1990 program provided results which indicate the potential for another slightly different mineral zone or zones up slope from the Main Zone showings and for the potential of zoning of gold with better values than occur in samples assayed from the Main Zone.

The 1971 copper anomaly has two directions of bias, NE-SW or downslope and NW-SE or along contour and the better values are erratic. Due to the lack of outcrop, surface prospecting, mapping and sampling can not adequately locate the cause of anomalous values or their strike direction.

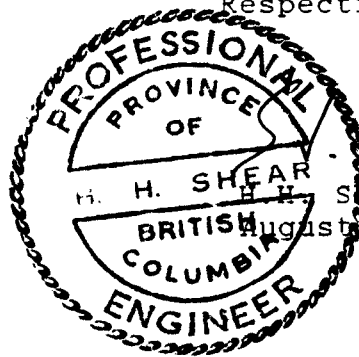
Normally bulldozer trenching - road building would be the next logical step in evaluating this occurrence. A backhoe would be impractical in this very steep terrain. However, the remote and relatively inaccessible location will make bringing in a bulldozer also impractical as a next work phase.

It is recommended that a program of grid line cutting, detailed soil sampling for gold plus ICP for other elements, remapping geologically, I.P. surveying, and finally, diamond drilling be designed to evaluate and explore this very promising situation. The I.P. survey should initially include both NW-SE and NE-SW lines to try to determine the true strike of any potential target.

Dok 5 and 6

Results from the June 1990 program on these claims did not provide any encouragement which would lend to more work on the areas investigated. Possibly some prospecting on the north and east edges of the Dok 6 and just east of the Dok 6 is warranted. This is not considered by the writer to be a priority and completing any prospecting would require professional mountain climbers in the very rugged terrain there.

Respectfully submitted



H. H. Shear

H. H. Shear, P. Eng.
August 28, 1990


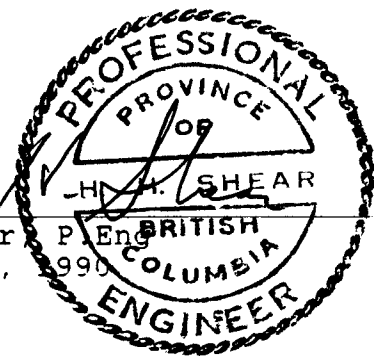
COST STATEMENTS

Item		<u>Dok 1</u>	<u>Dok 5 & 6</u>
Transportation:			
Central Mtn Airlines	June 15,18	\$1,492.50	
Northern Mtn Helicopt.	June 16-18	<u>2,682.88</u>	
		4,175.38	\$1,670.15
			\$2,505.23*
Labor:			
H.H. Shear, P.Eng.			
\$300/day - June 16th		675.00	675.00
John Mirko			
\$200/day - June 16th		675.00	675.00
Jay Hallman			
\$175/day - June 18th		475.00	<u>400.00</u>
			<u>75.00</u>
		\$ 750.00	\$1,075.00
Room & Board:			
Alfredo's Industries	June 15 (x2)	280.00	
\$140/man/day	June 16 (x3)	420.00	
	June 17 (x3)	420.00	
	June 18 (x2)	<u>280.00</u>	
		1,400.00	\$ 560.00
			\$ 840.00*
Assaying:			
Min-En Laboratories			
Rock \$14.50/sample		(x10) 145.00	(x13) 188.50
Soil or Silt \$12.00/sample		(x15) <u>180.00</u>	(x33) <u>396.00</u>
		\$ 325.00	\$ 584.50
Report:			
H.H. Shear, P.Eng.			
Examination and notes on all rock samples, map preparation and report writing			
7-8 days June 19-Aug 27	1 day/\$300	300.00	300.00
Chong Drafting Service		720.83	
Secretarial Service		<u>228.00</u>	
		948.83	<u>100.00</u>
			<u>100.00</u>
		\$ 400.00	\$ 400.00

* Dok 1, 20 units, 40% - Dok 5&6, 30 units, 60%

Dok 1:		
Transportation	20% of program costs	407.00
Labour		750.00
Room and Board		560.00
Assaying		325.00
Report		<u>400.00</u>
		\$2,442.00

Dok 5 and 6:		
Transportation	20% of program costs	579.90
Labour		1,075.00
Room and Board		840.00
Assaying		584.50
Report		<u>400.00</u>
		\$3,479.40

H.H. Shear, P. Eng.

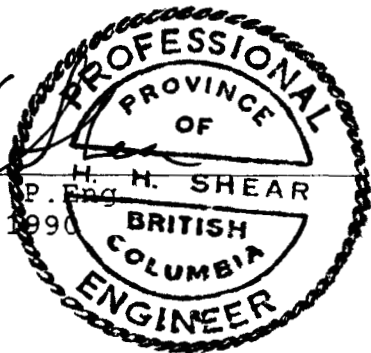
August 28, 1990

STATEMENT OF QUALIFICATIONS

I, Henry Herbert Shear, of 325 S. Copper Street, Greenwood, British Columbia, do hereby certify:

1. That I am a graduate of the University of Arizona with B.Sc. degrees in Geological Engineering (1959) and Mining Engineering (1960).
2. That I have been actively pursuing my profession as an exploration geologist for the past 30 years, starting as a field geologist and advancing through to the senior geologist and project manager level.
3. I am a member of the Association of Professional Engineers of British Columbia.
4. I participated in and directed the work described in this report.

H.H. Shear
H.H. Shear, P. Eng. H. H. SHEAR
August 28, 1990
PROFESSIONAL
OF
BRITISH
COLUMBIA
ENGINEER

A circular seal for a Professional Engineer in British Columbia. The seal has a double-line border. The text inside the seal reads "PROFESSIONAL OF BRITISH COLUMBIA ENGINEER". A signature and the name "H. H. SHEAR" are written across the seal.

APPENDIX A

COMP: HANK VAN ALPHEN
 PROJ:
 ATTN: HANK VAN ALPHEN

MIN-EN LABS — ICP REPORT
 705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
 (604)980-5814 OR (604)988-4524

FILE NO: OS-0090-SJ1+2
 DATE: 90/06/28
 * SOIL * (ACT:F31)

SAMPLE NUMBER	AG PPM	AL PPM	AS PPM	B PPM	BA PPM	BE PPM	BI PPM	CA PPM	CD PPM	CO PPM	CU PPM	FE PPM	K PPM	LI PPM	MG PPM	MN PPM	MO PPM	NA PPM	NI PPM	P PPM	PB PPM	SB PPM	SR PPM	TH PPM	U PPM	V PPM	ZN PPM	GA PPM	SN PPM	W PPM	CR PPM	AU PPM
DOK6 SS55 1	1.3	24720	187	7	35	1.6	17	3850	.1	63	653	131590	900	11	13560	1602	4	400	16	1990	76	1	15	1	1	158.1	83	1	1	1	3	5
DOK6 SS55 2	1.5	27720	155	7	83	1.6	16	3070	.1	74	702	138170	4260	10	12490	1556	22	590	21	3030	53	1	45	1	1	227.4	88	1	1	1	9	5
DOK6 SS55 3	.8	29700	39	10	96	1.8	15	5520	.1	55	602	137310	1900	11	12210	1085	5	590	8	2500	21	1	32	1	1	192.8	65	1	1	1	1	5
DOK6 SS55 4	1.3	24780	35	5	81	1.4	15	6730	.3	41	374	81860	3340	9	15680	1188	6	430	17	1270	41	1	23	1	1	189.8	97	1	1	1	7	5
DOK6 SS55 5	1.2	27350	89	6	77	1.7	14	7050	.1	63	493	90280	2170	12	17240	1706	8	560	46	1440	28	1	19	1	1	197.6	113	1	1	1	14	5
DOK6 SS55 6	2.0	39720	332	7	138	1.6	19	6830	.4	70	413	92170	5550	14	24680	2146	7	490	73	1330	133	1	21	1	1	226.1	239	1	1	1	47	5
DOK6 SS55 7	1.1	30100	95	7	65	1.8	12	6760	.2	71	673	97290	1780	14	16820	2005	11	490	50	1410	57	1	19	1	1	209.0	139	2	1	1	16	155
DOK6 SS55 8	1.1	26980	19	6	100	1.5	8	7350	1.6	46	490	66440	2090	13	20050	1850	5	420	70	1160	87	1	20	1	1	169.6	137	1	1	1	52	65
DOK6 SS55 9	2.0	29720	2	7	80	1.3	12	9510	.5	42	433	67070	1860	14	23130	2199	1	410	59	920	60	1	27	1	1	191.4	114	1	1	1	48	5
DOK6 SS48 26	1.8	28440	3	5	133	1.0	17	8560	.1	40	254	67780	2820	9	19150	1297	2	720	32	1520	30	1	15	1	3	199.2	110	1	1	1	38	5
DOK6 SS48 27	1.4	28510	1	5	108	.9	14	9450	.1	46	298	71940	1660	9	18660	973	2	1330	22	720	19	1	12	1	1	194.5	67	1	1	1	21	5
DOK6 SS48 28	1.4	25050	1	5	138	1.1	13	9810	.8	43	328	59330	2310	10	21290	1340	3	400	82	1490	59	1	16	1	1	162.6	92	1	1	2	162	5
DOK6 SS48 29	1.6	28670	1	5	104	1.0	15	9350	.1	37	247	64450	1780	9	22210	1319	1	1500	14	1500	25	1	11	1	1	196.1	96	1	1	1	22	5
DOK6 SS48 30	1.2	31160	1	5	83	1.0	13	8740	.1	38	184	64420	1670	11	19670	1048	1	1360	19	1130	28	1	12	1	1	177.1	100	1	1	1	29	10
DOK6 SS48 31	1.7	29230	1	6	111	1.2	16	10360	.1	42	315	74710	2760	12	21280	1139	2	1050	23	1140	21	1	16	1	1	209.9	88	1	1	1	29	5
DOK6 SS50 10	1.6	27210	1	7	61	1.1	14	10750	.5	33	226	61020	1060	14	27430	1297	1	440	72	1080	32	1	28	1	1	187.4	108	1	1	1	67	5
DOK6 SS50 11	1.3	29520	1	5	70	1.4	10	8580	.3	22	237	50310	1130	12	18390	902	1	780	41	1170	42	1	16	1	2	156.6	99	1	1	1	45	5
DOK6 SS50 12	1.9	29590	37	5	99	1.3	13	8010	1.0	43	395	66900	2150	13	23210	1460	4	650	60	1040	65	1	17	1	1	184.9	124	1	1	1	59	5
DOK6 SS50 13	1.5	27990	15	6	90	1.2	13	8580	.1	36	320	64970	2290	14	23890	962	2	760	60	1060	32	1	15	1	1	186.4	98	1	1	1	67	5
DOK6 SS50 14	1.1	30960	7	6	85	1.1	13	8600	.1	35	241	65690	2310	11	22030	999	2	810	41	1090	31	1	13	1	1	189.8	76	1	1	1	59	5
DOK6 SS50 15	1.3	29530	11	6	89	1.3	14	8640	.1	42	283	70240	2230	13	20880	1140	4	920	40	1270	28	1	14	1	1	192.3	82	1	1	1	45	15
DOK6 SS50 16	1.4	27640	10	6	78	1.3	14	8690	.1	49	462	79130	2670	12	19480	1337	5	720	31	1440	43	1	18	1	1	207.0	101	1	1	1	38	5
DOK6 SS50 17	1.3	23790	1	5	112	1.1	15	8220	.1	32	218	62740	3060	8	14510	1223	2	430	13	1560	31	1	17	1	1	178.9	97	1	1	1	24	5
DOK6 SS50 18	1.8	28820	19	6	105	1.4	16	8200	1.0	43	264	74500	2560	11	20380	1385	4	600	29	1450	45	1	17	1	1	205.3	123	1	1	1	42	5
DOK6 SS50 19	.3	18270	22	5	130	1.5	9	9360	1.2	61	240	81010	1630	6	11150	2849	32	1910	24	3240	35	2	37	1	1	466.6	115	1	1	3	121	5
DOK6 SS50 20	1.4	29940	15	6	119	1.3	14	7450	.1	49	327	77750	2680	13	19360	1373	5	640	48	1420	21	1	16	1	1	200.8	89	1	1	1	51	5
DOK6 SS50 21	1.1	26270	1	5	112	1.3	13	6350	.1	38	289	77000	2260	11	13630	1137	5	460	18	1670	21	1	21	1	1	178.1	83	1	1	1	14	5
DOK6 SS50 22	1.7	22460	1	5	181	.8	17	6050	.1	31	333	79910	7390	6	13740	731	17	660	3	1960	19	1	45	1	1	197.4	78	1	1	1	6	10
DOK6 SS50 23	1.2	28130	1	6	102	1.5	13	6580	.1	48	437	89270	2990	11	11900	1170	8	540	19	1890	27	1	32	1	1	191.5	75	2	1	1	6	5
DOK6 SS50 24	.8	32360	11	5	98	1.4	13	5060	.1	36	215	71560	1280	11	14980	1171	3	480	20	1430	32	1	14	1	1	167.4	107	1	1	1	20	5
DOK6 SS50 25	1.1	24010	1	4	161	.9	12	4320	.1	32	306	64350	4070	9	15120	898	5	480	10	1120	19	1	12	1	1	176.5	117	1	1	1	12	5
SS 31 7	5.3	26260	18	6	296	2.2	5	5150	.1	17	273	52770	1740	14	8350	818	6	150	29	970	701	37	14	1	1	137.9	332	1	1	1	42	35
SS 31 3	5.1	18630	48	8	688	2.3	1	9200	5.6	46	4501	71280	2710	13	8280	8497	28	920	47	1890	129	40	24	1	1	122.5	310	1	1	1	8	210
SS 31 4	36.4	9030	50	5	434	1.7	1	11270	11.9	23	1574	38670	1920	4	4430	2831	10	2010	22	1570	588	179	15	1	1	62.7	490	1	1	1	11	45
SS 31 5	2.0	18690	5	5	73	1.0	8	7780	1.0	21	228	46320	1380	14	13640	705	4	1630	35	1160	48	1	20	1	1	144.1	100	1	1	1	48	10
SS 31 6	8.7	27930	13	8	295	1.9	4	7300	1.4	33	1713	64910	3390	24	11560	1724	10	110	26	2040	103	12	26	1	1	166.7	307	2	1	1	32	130
SS 31 8	1.5	27540	9	7	202	2.0	4	6710	.1	40	1798	67140	2010	25	11740	2034	11	150	35	2340	57	1	28	1	1	183.2	178	2	1	1	23	35
SS 31 9	1.4	19000	17	5	131	1.4	9	8540	.8	25	395	49210	2140	14	12410	1229	6	230	45	1470	66	1	23	1	1	141.9	129	2	1	1	57	15
SS 31 10	2.9	16330	33	6	528	2.5	1	8350	3.6	40	4063	74190	3080	9	6060	6122	33	100	64	1500	109	18	22	1	1	142.1	261	1	1	1	20	185
SS 31 11	1.5	20410	14	6	217	1.8	5	6920	2.4	26	794	63270	2140	15	8310	1546	10	140	36	990	91	5	15	1	1	152.8	293	1	1	1	38	35
SS 31 12	1.2	15180	23	5	538	1.7	7	10400	5.1	28	497	53500	2580	11	4730	4107	19	1620	23	2020	93	2	19	1	1	99.0	209	1	1	1	19	5
SS 31 13	.8	20360	7	5	406	1.4	9	7920	3.3	29	242	60750	1920	16	8990	3910	7	170	37	1280	66	1	16	1	1	142.3	171	1	1	1	38	15
SS 31 14	1.3	16950	42	6	625	1.8	4	11610	3.3	36	866	53320	2920	14	9370	4350	11	2460	57	3380	108	2	27	1	1	123.2	165	1	1	1	49	20
SS 31 15	1.0	18870	3	5	319	1.3	7	8320	.3	27	701	51410	1660	15	6800	2300	8	180	19	1190	41	1	17	1	1	129.9	119	1	1	1	22	40
SS 45 1	5.9	12510	156	8	538	2.3	4	5610	.5	35	494	170250	1650	3	2220	1404	87	200	1	1720	230	34	24	1	1	52.2	1344	1	1	1	1	280
SS 45 2	.5	19760	6	5	284	1.7	8	7540	.1	17	131	41210	2160	11	7620	2534	4	210	11	1560	64	1	23	1	1	108.0	132	1	1	1</		

COMP: HANK VAN ALPHEN
 PROJ:
 ATTN: HANK VAN ALPHEN

MIN-EN LABS — ICP REPORT
 705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
 (604)980-5814 OR (604)988-4524

FILE NO: OS-0089-R.
 DATE: 90/06/1

* ROCK * (ACT:F3)

SAMPLE NUMBER	AG PPM	AL PPM	AS PPM	B PPM	BA PPM	BE PPM	BI PPM	CA PPM	CD PPM	CO PPM	CU PPM	FE PPM	K PPM	LI PPM	MG PPM	MN PPM	MO PPM	NA PPM	NI PPM	P PPM	PB PPM	SB PPM	SR PPM	TH PPM	U PPM	V PPM	ZN PPM	GA PPM	SN PPM	W PPM	CR PPM	AU PPM
078 617	.5	2340	5	2	378	.4	1	17610	.1	2	854	6070	2090	3	270	274	2	210	3	360	23	3	31	1	1	11.4	28	1	1	1	23	40
078 618	1.5	1210	28	1	20	.1	1	66270	.1	2	428	6870	1220	1	400	679	2	180	9	80	26	13	18	1	1	12.3	28	1	1	1	29	5
078 619	5.6	4610	16	3	289	1.0	1	21340	3.6	27	11176	32930	2840	1	1860	935	5	110	31	2050	49	14	26	1	1	38.5	151	1	1	1	20	220
078 620	10.9	3900	55	3	293	1.0	1	28410	5.6	20	3147	29950	2710	1	10480	1514	23	200	21	820	205	149	46	1	1	41.6	173	3	2	1	33	145
078 621	6.4	5360	42	7	190	.6	1	94300	3.4	15	5671	15240	3220	3	1830	2864	16	110	31	1670	52	12	62	1	2	50.4	177	7	2	1	20	150
078 622	23.0	11020	24	8	127	1.5	1	9520	2.1	80	26841	80540	3150	12	5430	675	5	140	45	4010	73	34	43	1	1	72.9	194	2	2	3	1	130
078 623	4.2	10630	13	3	160	.9	1	23290	5.3	41	8567	25580	2430	17	10300	1275	7	220	24	3570	38	8	37	1	1	69.5	182	6	1	2	29	150
078 624	1.7	3820	31	2	189	.4	1	60990	1.1	8	774	20180	1560	5	4520	1908	11	260	12	650	33	1	37	1	1	24.5	28	3	1	1	45	15
078 625	5.7	1180	73	3	30	.2	3	134330	1.7	13	1652	25360	1010	1	3330	4721	51	60	30	210	63	9	125	1	3	39.7	58	12	3	1	17	20
078 626	2.4	3460	7	1	24	.3	8	6950	.1	9	105	36620	740	1	2300	92	12	800	1	850	17	1	10	1	1	77.3	3	1	2	1	20	5
078 627	1.7	13470	109	2	4	.6	1	43890	7.7	10	106	28670	450	7	10350	548	19	420	14	1180	176	3	19	1	1	128.0	385	6	1	3	54	5
078 628	1.7	9990	7	2	18	.4	5	12980	.1	19	139	36370	670	2	7340	317	6	1640	2	1210	17	1	5	1	1	105.3	25	2	1	2	33	5
078 629	2.6	39360	1	11	26	.8	7	60810	.1	19	97	46800	1450	11	14890	1061	1	1310	16	820	23	1	8	1	1	151.9	70	10	1	4	51	125
078 630	1.3	11030	16	1	29	.5	2	25290	3.6	12	109	23240	280	5	12070	766	5	320	16	730	53	1	15	1	1	93.6	58	4	1	3	79	5
078 631	2.0	22560	1	4	16	.5	5	19700	.6	21	125	41840	730	8	19880	819	1	2970	9	660	24	1	7	1	1	121.8	69	3	1	1	16	5
078 632	3.3	15420	433	7	103	.9	3	71080	16.8	14	169	41250	880	10	21580	1823	25	200	11	890	181	6	40	1	1	85.0	555	7	1	1	22	380
078 633	5.8	9270	682	3	38	.4	4	64260	53.2	12	248	30820	350	5	9250	1301	9	370	15	740	251	9	17	1	1	76.0	1156	6	1	2	22	5
078 634	1.7	13810	7	3	16	.7	4	13040	.1	42	333	53890	260	6	14040	402	3	1350	30	1090	22	1	13	1	1	98.2	27	2	1	1	23	5
078 635	2.6	18220	907	4	17	.6	5	66320	7.8	20	100	42220	400	7	13440	799	4	560	21	1120	51	7	6	1	1	103.0	167	8	1	2	26	5
078 636	.2	2040	17	1	31	.1	1	9170	.1	2	10	3750	500	1	1970	271	2	100	4	100	17	1	1	1	1	9.0	10	1	1	3	110	5
078 637	.6	9130	31	2	82	2.9	1	14150	.6	11	84	23780	1790	6	6130	1136	7	230	26	630	47	1	8	1	1	44.4	87	4	1	1	47	10
078 638	1.5	18760	20	5	857	.9	3	62010	.9	20	60	41060	2540	8	19590	1810	3	100	63	900	45	1	22	1	1	51.6	111	6	1	2	59	5
078 639	2.0	22540	5	5	61	1.3	4	23400	.7	23	218	59490	2810	20	19340	1511	5	740	5	1040	56	1	37	1	1	147.9	106	5	1	2	14	25

APPENDIX B

**DESCRIPTION OF ROCK AND SOIL SAMPLES
FROM DOK 1 CLAIM**

Rock:

Sample #

- 078617 Grab sample taken over low altered outcrop approximately 10 X 10 meters. Minor disseminated chalcopryrite, malachite and pyrite present. Siliceous alteration throughout. Very limey in spots, rock light grey to whitish with light grey to pinkish feldspar blobs up to 1cm. Rock believed to be an altered tuft. Assay results low 854ppm Cu and 40ppb Au.
- 078618 Grab sample from small exposure of grey altered (bleached) limestone. Minor chalcopryrite and malachite present. Probably not in place. Assays low: 428ppm Cu and 5ppb Au.
- 078619 Grab sample from small exposure of very limonitic fine grained altered rock - probably tuff. Abundant chalcopryrite; grab of high grade material; possibly not in place. Assays anomalous 11176ppm Cu, 5.6ppm Ag, 220ppb Au.
- 078620 Three meter long chip sample in middle of 20 x 15 meter outcrop of well mineralized and altered rock. Alteration: intense, pervasive limonite staining, abundant silicification and pink K-feldspar, spotty calcite, disseminated blebs and specks of chalcopryrite commonly rimmed by 3-4cm circles of malachite staining. Rock type could be syenite or tuff -too altered to determine in hand specimen. Assay anomalous in several metals: 3147ppm Cu, 10.9ppm Ag, 145ppb Au, 149ppm Sb. 205ppm Pb.
- 078621 Grab from small exposure of altered (bleached) grey limestone. Minor chalcopryrite. Possibly not in place. Anomalous values: 5671ppm Cu, 6.4ppm Ag, 150ppb Au.
- 078622 Grab from small exposure of highly altered fine grained rock (tuff?), intense pervasive limonite staining and silicification, abundant chalcopryrite, in slide area with abundant rusty dirt - possibly not in place. Anomalous values: 26841ppm Cu, 23.0ppm Ag, 130ppb Au.
- 078623 Grab from small exposure of well mineralized and altered quartz monzonite (?). Abundant chalcopryrite, silica and calcite. Mixed pinkish k-feldspar and whitish quartz blotches up to 1 to 1.5cm. May be well altered syenite. Anomalous values: 8567ppm Ca, 4.2ppm Ag, 150ppb Au.

- 078624 Grab from outcrop, 2-3 meters x 5 meters, of slightly mineralized fine grained andesitic volcanic in contact with postmineral unaltered fine grained hard andesite dike. Both slightly magnetic. Assay results low: 774ppm Cu, 15ppb Au.
- 078625 Grab from small exposure of mashed, brecciated and recemented dark grey limestone, minor chalcopyrite present. Possibly not in place. Anomalous values 1652ppm Ca, 5.7ppm Ag, low Au - 20ppb.
- 078639 Representative grab sample of core from approximately 200'-300' from 1971 diamond drill hole #2 drilled in main zone on Dok 1 claim. Because of the light grey to white color, crystalline texture, abundant white feldspar and 2-5% disseminated pyrite, the zone was thought to be silicified and mineralized granodiorite. Later inspection indicated that the zone is a highly feldspathic tuft or volcanic with 10-15% fine grained matrix and very abundant, crowded and broken plagioclase fragments and/or crystals. No anomalous values from assay.

Soils:

<u>No.</u>	<u>Depth-cm</u>	<u>Color</u>	<u>Texture</u>
SS-45-1	15	Reddish-brown	Medium
SS-45-2	15	Brown	Fine
SS-31-3	25	Brownish-orange	Coarse-bits of rock
SS-31-4	25	Brownish-orange	Coarse-bits of rock
SS-31-5	20	Reddish-brown	Fine
SS-31-6	30	Reddish-brown	Fine-mixed fine rock
SS-31-7	Surface	Red	Very fine
SS-31-8	Surface	Reddish	Very fine
SS-31-9	10-20	Light brown	Fine-mixed fine rock
SS-31-10	0-5	Brown	Fine
SS-31-11	10-20	Lt to reddish brown	Granular-fine rock
SS-31-12	0-20	Dark brown	Very fine
SS-31-13	10-20	Brown	Fine-mixed fine rock
SS-31-14	10-20	Dark brown	Fine-mixed fine rock
SS-31-15	10-20	Dark reddish brown	Granular-fine rock

**DESCRIPTION OF ROCK AND SILT SAMPLES
FROM DOK 5 CLAIM**

Rock:

Sample #

- 078636 Channel across 15cm quartz vein hosted by granodiorite. No visible mineral. No anomalous values, no Au.
- 078637 Channel sample 1.5m long across altered rhyolite in contact with granodiorite. Abundant silica, calcite and limonite. Believed to be possible source of rhyolite float with high gold values found during Dok claims staking. However, no value of interest.
- 078638 Grab taken for 1.5x3 meters along zone up the N45E strike of altered zone from sample 078637. Abundant quartz-carbonate alteration, abundant limonite and chlorite. No values of interest.

Silts:

- Silt 13 Taken in very steep draw between 078636 and 078637-8. No true silt. Sample coarse and light grayish-brown. No values of interest. The 189ppm Ca value is not unusual considering the copper values returned in the soil samples taken up slope.
- Silt 14 Same as Silt 13 except location as per Fig. 14.

**DESCRIPTION OF ROCK AND SOIL SAMPLES
FROM DOK 6 CLAIM**

Rock - Central Portion of Claim:

Sample #

- 078626 Chip sample across 4m of altered volcanic. Very rusty with light patches due to abundant limonite and silicification. No values of interest.
- 078627 Grab from several quartz-carbonate veinlets across 15cm with bleached, limonitic volcanic between, all in unaltered dark mafic volcanics. No values of interest.
- 078628 Grab from 2m wide zone of silicious veinlets in a small outcrop of fine grained dark green andesite. Abundant limonite on fractures. 1-3% disseminated pyrite in the andesite. No values of interest.
- 078629 Grab from 1.5cm quartz-carbonate vein in mafic volcanics. Limonite on fractures. Slightly elevated values in Ag (2.6ppm) and Au (125ppb) but considering small size values are not of interest.
- 078630 Selected grab of 1.5-7.5cm wide quartz-carbonate veins within a 2x4 meter area in mafic volcanics with limonite on fractures. No values of interest.
- 078631 Selected grab from several pieces of angular quartz-monzonite float associated with a 20x20 meter outcrop of black mafic volcanic. Sample taken because of quartz veinlets up to 4mm wide with minute amounts of chalcopyrite and malachite visible. Moderate magnetic susceptibility. Only copper in samples seen on Dok 5 and 6 claims. No values of interest.

Soils: Central portion of claim:

<u>Sample #</u>	<u>Depth-cm</u>	<u>Color</u>	<u>Texture</u>
Dok 6-SS55-1	0-20	Brown	Coarse
Dok 6-SS55-2	0-20	Brown	Coarse
Dok 6-SS55-3	0-20	Brown	Coarse
Dok 6-SS55-4	0-10	Reddish-brown	Fine
Dok 6-SS55-5	0-5	Reddish-brown	Coarse
Dok 6-SS55-6	0-10	Reddish-brown	Coarse
Dok 6-SS55-7	0-10	Brown	Coarse
Dok 6-SS55-8	0-5	Orangey-brown	Coarse
Dok 6-SS55-9	0-5	Brown	Coarse
Dok 6-SS55-10	0-10	Brown	Coarse

Dok 6-SS50-11	0-10	Brown	Coarse
Dok 6-SS50-12	0-10	Brown	Coarse
Dok 6-SS50-13	0-20	Brown	Coarse
Dok 6-SS50-14	0-30	Brown	Coarse
Dok 6-SS50-15	0-5	Light-brown	Granular
Dok 6-SS50-16	0-10		Very coarse-small rocks
Dok 6-SS50-17	0-5	Brown	Fine
Dok 6-SS50-18	0-5	Brown	Fine
Dok 6-SS50-19	30		Bits of rock/organics
Dok 6-SS50-20	0-20	Light-brown	Fine
Dok 6-SS50-21	0-5	Brown	Fine
Dok 6-SS50-22	0-5	Light-brown	Fine
Dok 6-SS50-23	0-5	Light-brown	Fine
Dok 6-SS50-24	0-10	Light-brown to orange	Fine
Dok 6-SS50-25	0-10	Brown	Fine
Dok 6-SS48-26	0-5	Brown	Fine
Dok 6-SS48-27	0-5	Brown	Fine
Dok 6-SS48-28	10-15	Brown	Fine
Dok 6-SS48-29	10-15	Brown	Fine
Dok 6-SS48-30	0-10	Brown	Fine
Dok 6-SS48-31	0-10	Brown	Fine

Rock - southeast corner of claim:

Sample #

- 078632 Picked samples from quartz-carbonate veins, 5 to 20cm wide, along 15m of rock face, inaccessible except at bottom. Rock type hosting veins is light grey silicious and calcareous mafic volcanic. Anomalous values: 3.3ppm Ag, 433ppm As, 16.8ppm Cd, 555ppm Zn and 380ppb Au.
- 078633 Same as 078632 but 30m along base of cliff to west. Anomalous values: 5.8ppm Ag, 672ppm As, 53.2ppm Cd, 1156ppm Zn, no Au.
- 078634 Grab of dark greenish-black mafic volcanic with unusually abundant limonite on fractures. Sample taken along 10m at bottom of cliff. Limonite staining widespread above. Only elevated assay result is 333ppm Cu which is not considered significant.
- 078635 Grab across 20m of rusty talus and very rusty dirt below prominent and widespread limonite staining on cliffs above. Rock type dark green mafic volcanic. Only elevated assay result is 907ppm As.

APPENDIX C



Province of British Columbia
 Ministry of Energy, Mines and Petroleum Resources
 MINERAL RESOURCES DIVISION — TITLES BRANCH

DOCUMENT No. 576
 OFFICE USE ONLY

Mineral Tenure Act
 Sections 25, 26 & 27

STATEMENT OF WORK — CASH PAYMENT

PAID
 GOVERNMENT AGENT. 260
 JUN 20 1990
 13:02 8.P.
 SMITHERS
 TRANS. # 1000051

Indicate type of title Minerals
 (Mineral or Placer)

Recording Division Liard
 I, H. H. Shear
 (Name)
P.O. Box 188
 (Address)
Greenwood, B.C.

RECORDING STAMP
Continental Gold Corp
 Agent for Pacific Rim Mining Corp
 (Name)(s) 1020-800 W. Hastings St.
772-510 W. Hastings St.
 (Address)
Vancouver, B.C.

(Telephone) 445 6494 (Postal Code) V0H 1J0

(Telephone) 687 1748 (Postal Code) V6B 1L8
684 6365

Valid subsisting FMC No. 273636

Valid subsisting FMC No. 303104
289 893

FMC Code SHEAHH

FMC Code PACRIM
CONGOC

STATE THAT: (NOTE: If only paying cash in lieu, turn to reverse and complete columns G to J and Q to T.)

I have done, or caused to be done, work on the

Dok #1

Claim(s)

Record No(s). 4699 (6)

Work was done from June 16, 1990, to June 18, 1990;

and was done in compliance with Section 50 of the Mineral Tenure Act and

Section 19(3) of the Regulation YES NO

I hereby request that the claims listed in Column G on this Statement of Work be Grouped and I confirm that

all claims listed are contiguous YES NO

FEE — \$10.00

TYPE OF WORK

PHYSICAL: Work such as trenches, open cuts, adits, pits, shafts, reclamation, and construction of roads and trails. Details as required under section 13 of the Regulations, including the map and cost statement, must be given on this statement.

PROSPECTING: Details as required under section 9 of the Regulations must be submitted in a technical report. Prospecting work can only be claimed once by the same owner of the ground, and only during the first three years of ownership.

GEOLOGICAL, GEOPHYSICAL, GEOCHEMICAL, DRILLING: Details must be submitted in a technical report conforming to sections 5 through 8 (as appropriate) of the Regulations.

PORTABLE ASSESSMENT CREDIT (PAC) WITHDRAWAL: A maximum of 30% of the approved value of geological, geophysical, geochemical and/or drilling work on this statement may be withdrawn from the owner's or operator's PAC account and added to the work value on this statement.

TYPE OF WORK (Specify Physical (include details), Prospecting, Geological, etc.)	VALUE OF WORK		
	Physical	*Prospecting	*Geological etc.



Province of British Columbia
 Ministry of Energy, Mines and Petroleum Resources
 MINERAL RESOURCES DIVISION — TITLES BRANCH

DOCUMENT No. _____
 OFFICE USE ONLY

Mineral Tenure Act
 Sections 25, 26 & 27

STATEMENT OF WORK — CASH PAYMENT

PAID
 GOVERNMENT AGENT
 JUN 20 1990
 13:02 RD
 SMITHERS
 TRANS. # 1000051

Indicate type of title Mineral
 (Mineral or Placer)
 Mining Division Liard
 1. H. H. Shear
 (Name)
P.O. Box 188
 (Address)
Greenwood, B.C.
445 6494 V0H 1T0
 (Telephone) (Postal Code)
 Valid subsisting FMC No. 273636
 FMC Code SHEAHH

RECORDING STAMP
Continental Gold Corp.
 Agent for Pacific Rim Mining Corp.
1020-800 (Name)
722 510 W. Hastings St.
 (Address)
Vancouver, B.C.
687 1248 V6C 2V7
 (Telephone) (Postal Code)
 Valid subsisting FMC No. 303104
 FMC Code PACRIM
CONGOC

STATE THAT: (NOTE: If only paying cash in lieu, turn to reverse and complete columns G to J and Q to T.)
 I have done, or caused to be done, work on the Dok 5 and 6 Claim(s)
 Record No(s) 4703 and 4704 (6)
 Work was done from June 17, 19 90, to June 18, 19 90;
 and was done in compliance with Section 50 of the Mineral Tenure Act and
 Section 19(3) of the Regulation YES NO

I hereby request that the claims listed in Column G on this Statement of Work be Grouped and I confirm that

all claims listed are contiguous YES NO

Name of owner/operator	NOTICE TO GROUP No.	Value of work to be credited to portable assessment credit [May only be credited from the approved value of Box C]	CLAIM IDENTIFICATION		
			G CLAIM NAME (one claim/lease per line)	H RECORD No.	I No. UNI
1.			Dok # 5	4703	1
2.			Dok # 6	4704	1
3.					

32779
 I WISH TO APPLY \$
 TOTAL VALUE FROM BOX F

OF THE
AS FOLLOWS:

Columns G through P inclusive MUST BE COMPLETED before a cash payment or rental payment can be credited. Columns not applicable are to be completed.

before work credits can be granted to claims. Columns G through J and Q through T inclusive MUST BE COMPLETED before a cash payment or rental payment can be credited. Columns not applicable are to be completed.

Cash Payment

APPLICATION - WORK CREDIT

CASH IN LIEU OF WORK OR LEASE RENTAL

OF TS*	J CURRENT EXPIRY DATE
5	June 27, '90
5	June 27, '90

K WORK TO BE APPLIED		L YEARS	M Recording Fees	N PRIOR EXCESS CREDIT BEING USED	O NEW EXPIRY DATE	P EXCESS CREDIT REMAINING
VALUE						
\$ 1500.00		1	75.00		JUNE 27/91	
\$ 1500.00		1	75.00		JUNE 27/91	
TOTAL OF K			TOTAL OF M			

Q C/L	R RECORDING FEE	S LEASE RENTAL	T NEW EXPIRY DATE
TOTAL OF Q			TOTAL OF R
TOTAL OF Q			TOTAL OF S

*2 POST FRACTION REV. CROWN GRANT AND PLACER CLAIM ARE 1 UNIT EACH

(PAC) account(s) not applied to claims. Name _____ Amount _____

I, the undersigned Free Miner, hereby acknowledge and understand that it is an offence to knowingly make a false statement or provide false information under the Mineral Tenure Act. I further acknowledge and understand that if the statements made, or information given, in this Statement of Work - Cash Payment are found to be false and the exploration and development has not been performed, as alleged in this Statement of Work - Cash Payment, then the work reported on this statement will be cancelled and the subject mineral claim(s) may as a result, forfeit to and vest back to the Province.

[Signature]
Signature of Applicant

APPENDIX D

Northern Mountain Helicopters Inc.

Main Office: P.O. Box 368, Prince George, B.C. V2L 4S2



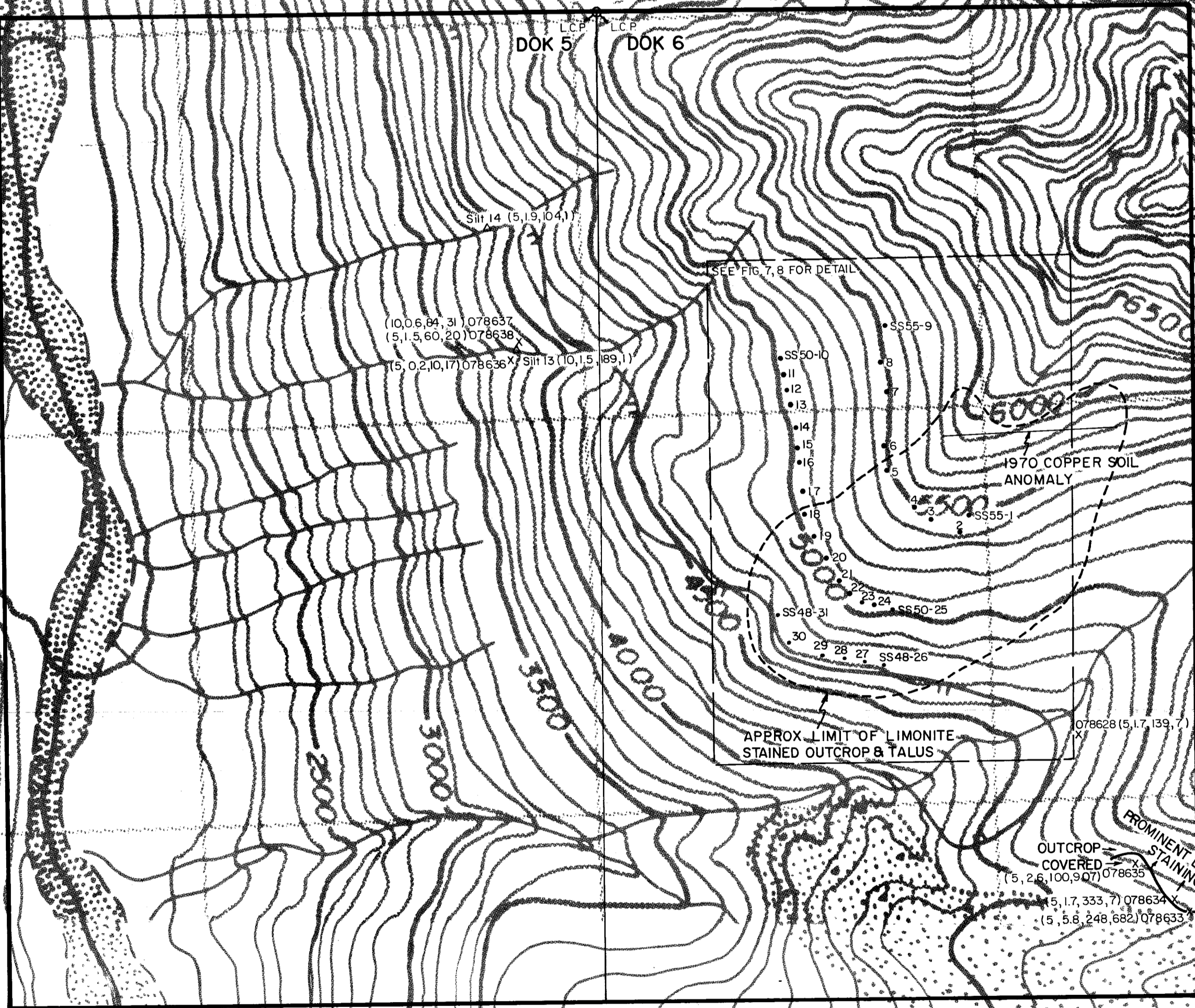
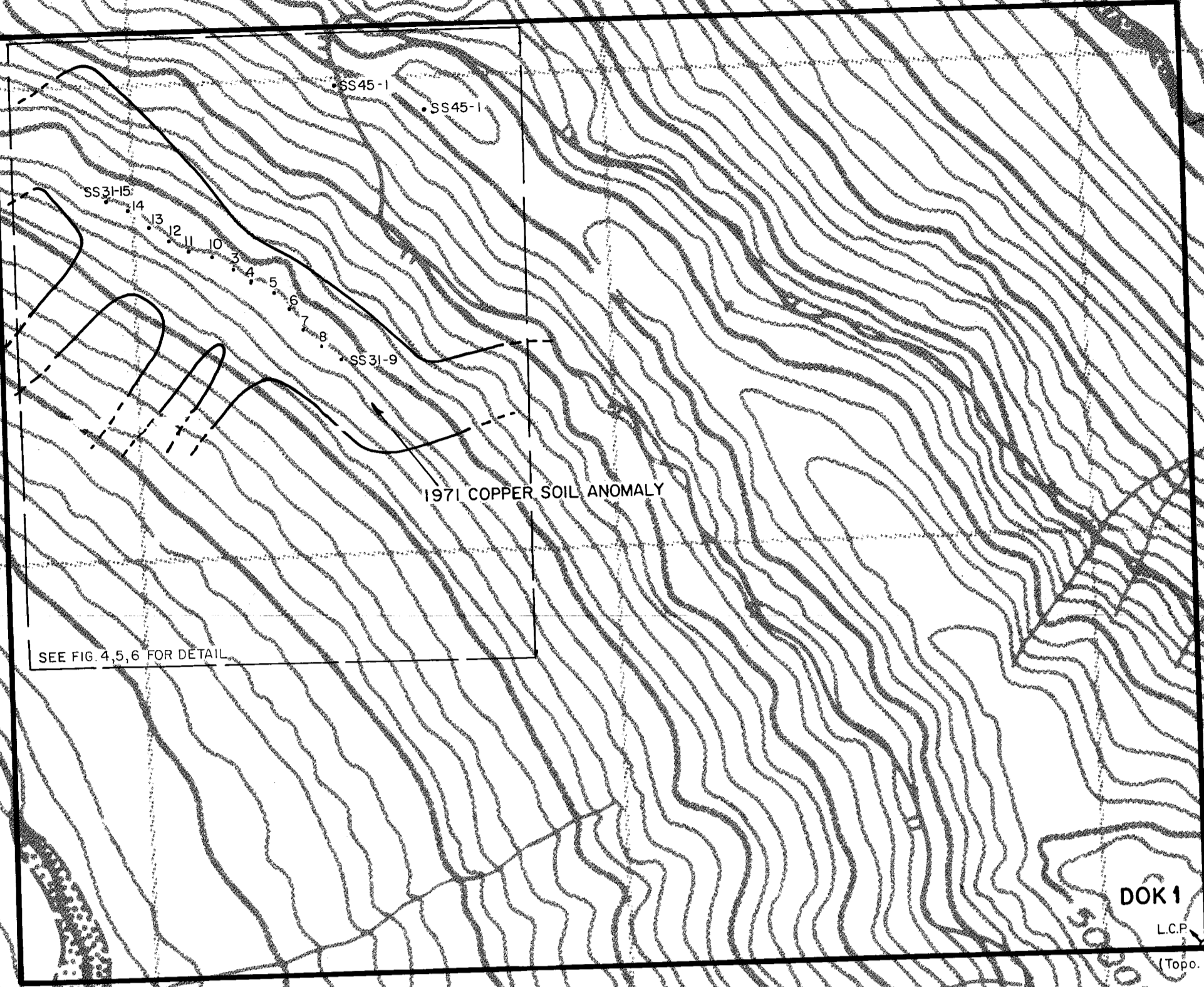
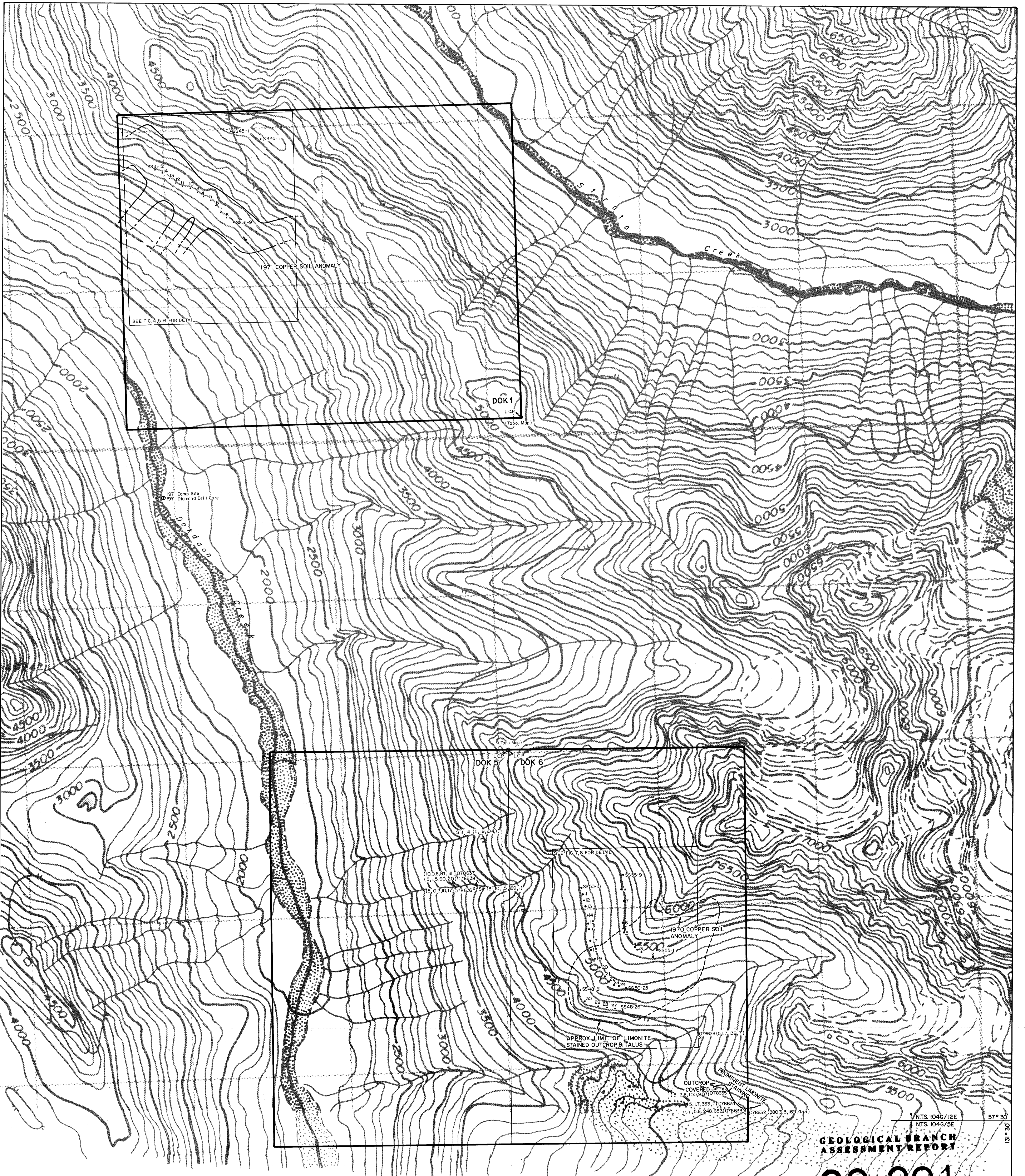
Telephone (604)963-9822
Fax (604)963-9015
Telex 047-8027

CUSTOMER: PACIFIC RIM MINING CORP.
722-510 W. HASTINGS ST.
VANCOUVER, B.C.
V6B 1L8

INVOICE NO: 6609
INVOICE DATE: Jun 28 90
CUSTOMER NO: 20843
REFERENCE NO:

DATE	REF	DESCRIPTION	UNITS	RATE	AMOUNT
06/16/90	48453	NMG GALORE CREEK	1.1	670.00	737.00
		FUEL - LITRES	140.8	1.30	183.04
		OIL - HOUR	1.1	2.00	2.20
		SUBTOTAL:			922.24
06/17/90	48455	NMG GALORE CREEK	1.2	670.00	804.00
		FUEL - LITRES	153.6	1.30	199.68
		OIL - HOUR	1.2	2.00	2.40
		SUBTOTAL:			1,006.08
06/18/90	48456	NMG GALORE CREEK	.9	670.00	603.00
		FUEL - LITRES	115.2	1.30	149.76
		OIL - HOUR	.9	2.00	1.80
		SUBTOTAL:			754.56

TOTAL AMOUNT OWING: =====
\$2,682.88
=====



LEGEND

- *SS 45-1 SOIL SAMPLE NO. & LOCATION
- X 078637 ROCK " " " "
- Δ S1114 SILT " " " "
- (15, 17, 139, 7) Au ppm, Ag ppm, Cu ppm, As ppm

N 1046/12E
N 1046/5E

**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

20,291

PACIFIC RIM MINING CORP.
CONTINENTAL GOLD CORP.

**DOK1,5&6 CLAIMS
PLAN
SHOWING SAMPLE LOCATIONS**

LIARD M.D., B.C.

0 500 1000 Metres

SCALE 1:10,000	DATE: JULY 1990
N.T.S. 1046-5E, 12E	FIGURE NO. 9

