



Bergvesenet

Postboks 3021, 7002 Trondheim

Rapportarkivet

Bergvesenet rapport nr BV 4579	Intern Journal nr 1306/97	Internt arkiv nr Rapportarkivet	Rapport lokalisering Trondheim	Gradering Fortrolig
Kommer fra ..arkiv	Ekstern rapport nr	Oversendt fra Viking Gold & Prospecting AB	Fortrolig pga Muting	Fortrolig fra dato:
Tittel Bindal Exploration program 1996 Summary of 1996 program and proposed program for 1997				
Forfatter Fleshman, Bill		Dato juli 1997	Bedrift Viking Gold & Prospecting AB	
Kommune Bindal	Fylke Nordland	Bergdistrikt Nordlandske	1: 50 000 kartblad 18252 18253	1: 250 000 kartblad Mosjøen
Fagområde Geologi geokjemi kjemiske analyser	Dokument type Prospekteringsfondet	Forekomster Bindal Kolsvik Reppen		
Råstofftype Malm/metall	Emneord Au As			
Sammendrag Rapporten er et sammendrag av tidligere undersøkelser samt supplerende undersøkelser i 1996. Rapporten skulle danner grunlaget for undersøkelsesprogrammet i 1997, som det ikke ble noe av.				

**BINDAL
GOLD PROJECT**

1996 BINDAL EXPLORATION PROGRAM

VIKING GOLD & PROSPECTING AB.

- NORWAY -

1996 BINDAL EXPLORATION PROGRAM

**Bill Fleshman
16025 Edmands Dr.
Reno, Nv 89511**

**Persons Contributing to the Collection of Data During 1996:
Kathleen Fleshman
Mathew Oake**

Table of Contents

1.0 Introduction	1-1
1.1 Summary 1996 Program	1-3
1.2 1997 Program	1-4
 2.0 Bindal Gold Projects	 2-1
2.1 Project Description	2-1
2.2 Location	2-2
2.3 Property	2-2
2.3.1 Kolsvik Claims	2-2
2.3.2 Reppen Claims	2-5
2.3.3 Finnli fjellet Claims	2-5
2.4 Bindal Area Geology	2-7
2.4.1 Regional Geologic Setting	2-7
2.4.2 District Geology	2-7
2.5 Lithogeochemistry	2-9
2.5.1 Sample Areas	2-9
2.5.2 Laboratories	2-9
2.5.3 Rock Chip Data	2-10
2.5.4 Statistical Analysis of 1996 Rock Chips	2-12
 3.0 Kolsvik Project	 3-1
3.1 Geology	3-1
3.2 Alteration	3-1
3.3 Gold Mineralisation	3-1
3.4 Structural Control	3-4
3.5 Gold Zones	3-5
3.6 Drill Hole Data Base	3-6
3.6.1 Drill Hole Sample Statistics	3-6
3.6.2 Compositing Data	3-8
3.6.3 Core Re-Assay Program	3-10
3.7 Kolsvik Project Rock Chip Data	3-16
3.7.1 Kolsvik Central - Area 1	3-16
3.7.2 Kolsvik Central (Main Zone from C Zone to F Zone)	3-19
3.7.3 B-7 Zone	3-21
3.7.4 South Kolsvik	3-22
3.7.5 East Claim Block	3-22
3.7.6 NGU Rock Chip Data	3-23
3.8 Kolsvik Mineral Resources	3-25

Table of Contents continued

4.0 Reppen Prospect	4-1
4.1 Summary	4-1
4.2 Location	4-1
4.3 Geology	4-2
4.4 History	4-2
4.5 1996 Reconnaissance	4-5
4.5.1 Geochemical Test Results	4-6
4.6 Possible Models for Reppen	4-13
4.7 Suggested 1997 Reppen Field Program	4-13

List of Figures

Figure	Page
1-1 Bindal Gold Project	1-2
2-1 Bindal Project Location Map	2-3
2-2 Bindal Area Geology & Project Location Map	2-3
2-3 Claim Location Map	2-4
2-4 Reppen Claim Block	2-6
2-5 Epigenetic Ore Deposit	2-8
2-6 Rock Chip Location and Sample Numbers	2-11
2-7 Bindal Area Au/As	2-12
2-8 Bindal Area Au/Sb	2-13
2-9 Bindal Area Au/Cu	2-13
2-10 Bindal Area Au/Ag	2-14
2-11 Kolsvik Central / Reppen Au/As	2-14
3-1 Kolsvik Project Geology	3-2
3-2 Legend	3-3
3-3 Kolsvik Ore Zones	3-5
3-4 Drill Hole Locations	3-7
3-5 Insitu Composite Polygonal	3-9
3-6 Re-Assay Holes	3-11
3-7 Kolsvik Rock Data	3-17
3-8 Kolsvik Main Zone	3-20
3-9 Kolsvik Au(ppb)/As(ppm)	3-24
3-10 Ore Zone Extensions	3-28
4-1 Geology of the Reppen Area	4-3
4-2 Reppen Area Geology	4-4
4-3 VGP Rock Chip Sample Location	4-7
4-4 Reppen Geochem Data	4-8
4-5 Reppen Area Au/As	4-10
4-6 Reppen Area Au/Sb	4-11
4-7 Reppen As & Sb to Au	4-12
4-8 Anomalous Gold Samples	4-14
4-9 Arsenic in Rock Samples	4-15
4-10 Antimony in Rock Samples	4-16
4-11 Reppen Shallow Prospect Pits	4-17
4-12 Hypothetical Reppen Exploration Model	4-18
4-13 Schematic cross section of the epithermal model	4-18

List of Tables

Tables	Page
1.1 Bindal Development Plan	1-5
2.1 Kolsvik Claims	2-5
2.2 Reppen Claims	2-5
2.3 Finnlfjellet Claims	2-5
2.4 Geochemical Samples and Locations	2-9
2.5 Analytical Procedures and Detection Limits	2-10
3.1 Summary of Kolsvik Drilling	3-6
3.2 Summary of Drill Hole Statistics	3-8
3.3 Core Selected to be Re-Assayed	3-10
3.4 Insitu Re-Assayed Drill Holes	3-13
3.5 Assay Comparison	3-14, 15
3.6 Samples Containing Anomalous Au in Kolsvik Area	3-18
3.7 Summary of Drill Intercepts in Area 1	3-19
3.8 VGP Rock Chip Samples from Southern F-Zone	3-21
3.9 B-7 Zone Rock Chip Samples	3-22
3.10 South Kolsvik Gold Anomaly	3-22
4.1 Rock Chip Samples from Falconbridge Exploration-1983	4-5
4.2 Au Percentile Comparison to Other Elements	4-6
4.3 As Percentile Comparison to Other Elements	4-9
4.4 Sb Percentile Comparison to Other Elements	4-9

List of Appendix

- Appendix 1 Bindal Claim Coordinate List
- Appendix 2 Bindal Rock Chip Samples
- Appendix 3 Bindal Rock Chip Samples (By Area)
- Appendix 4 Chemex Lab Reports (Rock Samples - 1996)
- Appendix 5 Kolsvik Drill Hole Data Base
- Appendix 6 Kolsvik Project Drill Hole Cumulative Frequency Graph
- Appendix 7 Micromodel Insitu Drill Hole Summary
- Appendix 8 Chemex Lab Reports for Re-Assayed Drill Holes

- Appendix 10 NGU Rock Chip Data

List of Plates

VGP-1	Kolsvik Rock Samples Locations
VGP-2	Kolsvik Gold(ppb) 1996 Rock Chips
VGP-3	Arsenic(ppm) 1996 Rock Chips
VGP-4	Antimony(ppm) 1996 Rock Chips
VGP-5	Planned 1997 Drill Holes
VGP-6	Falconbridge Rock Chips
VGP-7	Falconbridge C-Zone Assays
VGP-8	Kolsvik Geology Map
VGP-9	NGU Rock Chip Sample Locations
VGP-10	NGU Rock Chips Au (ppb)

1.0 INTRODUCTION

1. 0 Introduction

Viking Gold and Prospecting AB (VGP) entered into agreements that will enable VGP to earn controlling interest (80%) in both the Kolsvik and Reppen gold projects. VGP also controls a large block of claims referred to as Finnlfjellet (Royskattdalen). Kolsvik, Reppen and Finnlfjellet are located in northern Norway within the Bindal Kommune and are collectively referred to as the "Bindal Project" (Figure 1-1).

Currently, an estimated 600,000 ounces of gold has been delineated by former property owners (Falconbridge) at the two main projects: Kolsvik and Reppen. Based on the projected trends of the known mineralisation and the presence of untested gold targets at both projects it appears likely of outlining a 1 million plus ounce gold resource within the Bindal area.

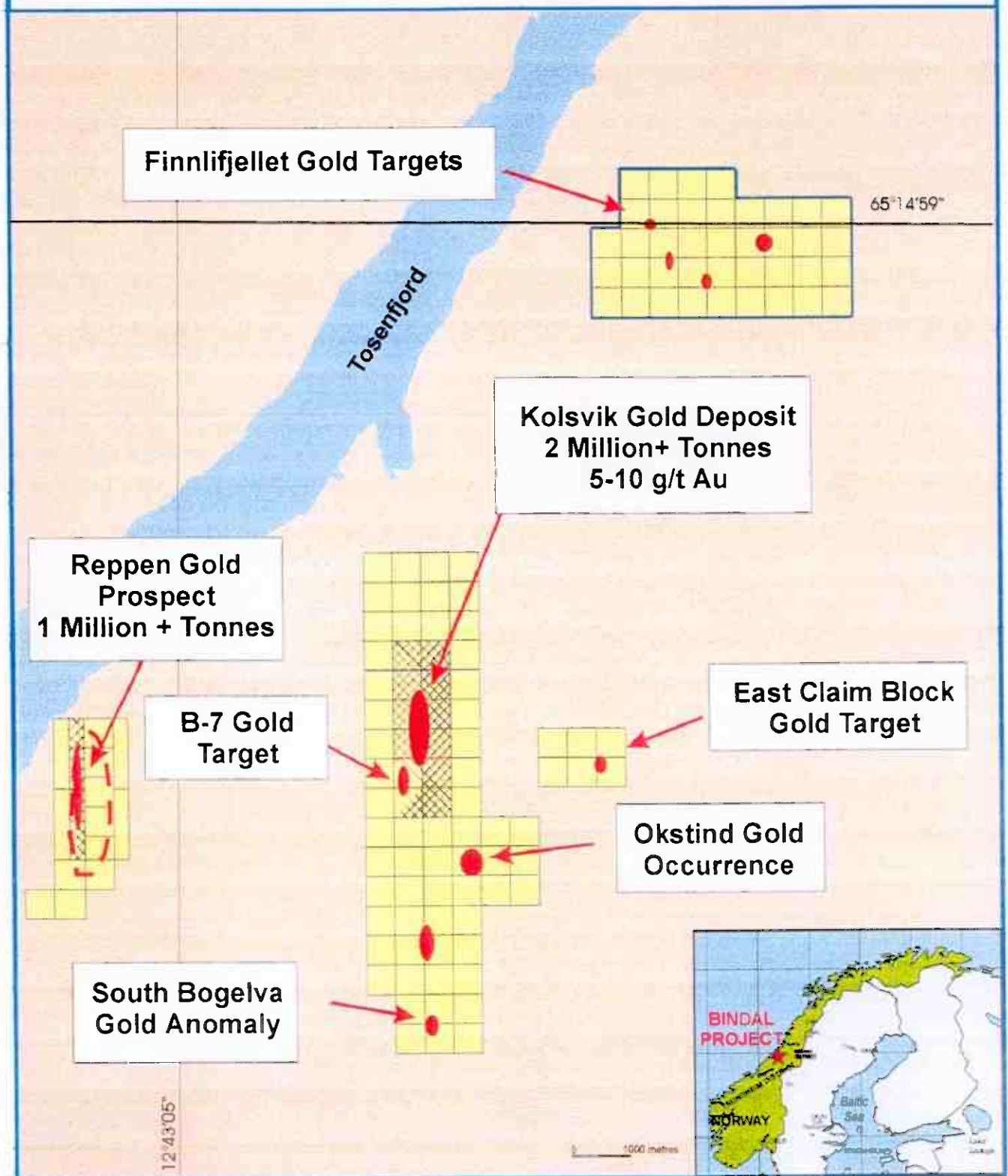
Kolsvik is an advanced staged gold deposit with 45 core holes and a resource estimated by Falconbridge of 2 million tonnes at a grade of 5-10g/t. The potential for increasing the resource/reserve at Kolsvik should be considered high as there are a number of untested structures such as the B-7, B-8, B-2 A-1, A-2 as well as the northern and southern extension of the main Kolsvik ore zone.

Metallurgical studies completed by Lakefield Research of Canada on behalf Falconbridge indicate favourable gold recoveries in the 93 to 95% range. Additional metallurgical studies were conducted by Terra Mining who contracted Davy McKee to continue feasibility testwork. These later tests included crushing and grinding tests in addition to a complete series of gold optimisation recovery testing.

Reppen is a significant gold target that has only been partially tested with 5 drill holes. Falconbridge estimated that the prospect contained between 800,000 to one million tonnes. However, the larger tonnage possibilities at Reppen were overlooked by Falconbridge, which concentrated its drilling on the gold bearing silica cap. VGP's 1996 sampling has shown wider spread gold mineralisation and the potential for a bulk tonnage deposit.

Both Reppen and Kolsvik are located in areas with excellent infrastructure capabilities. Kolsvik is equipped with a modern dock (small crane, off-loading ramp) within a sheltered bay. Abundant power is available in close proximity to both deposits, the Kolsvik power plant being one of Norway's larger power producers. Despite the rugged topography at Kolsvik there is an abundance of relatively gentle topography between Kolsvik and Reppen opening up the possibility of a centrally located processing plant midway between the two properties.

Figure 1-1. BINDAL GOLD PROJECT



1.1 Summary 1996 Program

VGP's 1996 rock chip sampling confirmed the presence of high grade gold zones at both the Kolsvik and Reppen deposits. A better understanding of the geology, structural controls and mineralisation was acquired which will be vital to building a three dimension block model of the deposit. Results obtained during 1996 were also used to plan further drilling at Kolsvik.

Encouraging assays were also obtained away from known mineralisation. These results should lead to further exploration in the south Kolsvik area. At the Reppen prospect rock chip results seem to indicate a larger target than previously thought. Finally, as a result of the 1996 exploration program, VGP was able to design a program aimed towards completing a feasibility analysis of the Kolsvik project. The 1997 program will include a drill program that will permit construction a block model and mine modelling.

VGP's 1996 Bindal Project exploration program included the following activities:

Claims

- to secure VGP's Bindal land position an additional 173 new claims were applied for during 1996:
 - 66 new Kolsvik claims
 - 13 new Reppen claims
 - 96 Finnlfjellet claims
- following an evaluation of reconnaissance samples collected by Geologiske Tjenster AS, the Finnlfjellet block was reduced to 39 claims.

Data Evaluation/Field Preparation

In preparation for the 1996 field season VGP obtained historic data produced by Falconbridge, Terra Mining and the NGU. This data allowed VGP to conduct project assessment and plan for the further exploration of the area.

- Kolsvik drill hole data (coordinates, bearing, dip, assays etc) were entered into a computer data base;
- the data base was then incorporated into MICROMODEL (mine modelling and exploration software program);
- key drill hole sections were plotted using MICROMODEL and AutoCAD;
- digital topography was obtained and sent to a computer consulting firm (Computer Aided Geoscience) in Australia to be reformatted and re-contoured. Topography can now be incorporated into MICROMODEL for use with drill hole sections, reserve estimations etc;
- a statistical analysis of the drill hole data was completed by Computer Aided Geoscience;

Field Exploration:

- all significant drill core intercepts were reviewed at the Løkken NGU core storage facility;
- the previous drill holes at Kolsvik were located in the field and re-staked;
- extensive surface examinations of the known mineral trends were conducted in the central Kolsvik deposit, as well as reconnaissance of southern extensions of the known trends.
- a total of 181 surface samples were collected from the Bindal Project and shipped to Chemex in Canada for analysis;
- at Reppen surface rock samples were collected, the previous drill holes were located, and the historic workings in the area were mapped and sampled;
- a helicopter reconnaissance program of Finnlifjellet, Reppen as well as eastern and southern extensions of Kolsvik was completed. During the Finnlifjellet evaluation 77 scree samples and 8 rock chip samples were collected;

NGU Assisted Data

- NGU agreed to allow VGP to select Kolsvik core stored at Løkken to be re-analysed. VGP selected 701m of drill core for re-analysis, of this 580m was actually available and shipped to the Chemex laboratory in Vancouver;
- VGP purchased analytical data in the form of assays for 104 rock samples collected by the NGU at the Kolsvik deposit; and
- VGP purchased geological maps of the underground workings at the Kolsvik deposit from Peter Ihlen and the NGU.

Proposed Drill Program

- a drill hole program was proposed to further evaluate the Kolsvik deposit;
- requests for drill bids were sent out to three diamond drill contractors to complete a drill core program;
- each prospective drill site was evaluated in the field to determine if it was feasible to locate a drill pad;
- a grant application was applied to offset exploration costs.

1.2 1997 Program

The work of the NGU, Falconbridge and Terra Mining has shown that the Kolsvik project contains a potentially viable gold reserve. Unfortunately, difficult project terrain, inconsistencies with respect to data collection and interpretation has resulted in an incomplete understanding of the Kolsvik gold deposit, hindering its development. Despite the fact that there are 45 core holes completed on the project thus far, a representative block model can not be accurately created.

Because of this the project data base must be brought up to a consistent standard that will permit a reliable resource/reserve calculation to be completed.

Overview

VGP's 1997 exploration program will utilise the available project information to carry out a drill program consisting of systematic drilling patterns and drill core sampling. A total of 5700 metres of drilling is scheduled to be completed during 1997. Drill holes are designed to recover 63.5mm diameter core that will be sampled on 1m intervals and submitted for analysis for Au and As.

28 of the planned core holes are located in the central Kolsvik area where Falconbridge has previously estimated a resource of 2 million tonnes. The aim of the 1997 drill program will be to develop a three dimensional model of the central Kolsvik area.

Proposed development of the Kolsvik deposit includes the activities listed in Table 1.1. Arriving at an ore model that can be used as the basis for mine design is fundamental to the success of the Kolsvik project.

Table 1.1 Bindal Development Plan.

Descripton	Reserve Definition	Feasibility	Design/Permitting
1997 Drilling Program			
Resource Modelling			
Reserve/Mine Plan			
Metallurgical Program			
Feasibility Study			
Permitting			
Final Plant Design			
Construction			

Continued exploration is also proposed for Reppen such as surface sampling and mapping prior to a thorough drill program to define the gold resource. Additional sampling will also target expansion of the South Bogelva gold anomaly.

2.0 BINDAL GOLD PROJECTS

2. 0 Bindal Gold Projects

2.1 Project Description

Three properties make up the Bindal Gold Project - Kolsvik, Reppen and Finnlfjellet. The projects are located in north Norway on the Tosenfjord in the Bindal Kommune. Terråk, the closest town, is approximately 300 kilometres (km) north of Trondheim. Kolsvik the principle project has good access, the fjord being ice free year round. A shelter bay at Kolsvik is equipped with an excellent dock complete with moveable off-loading ramp and a small crane for unloading supplies or loading out rock samples. A recently re-built road leads from the fjord to the Kolsvik project.

Gold at Kolsvik was discovered in 1910 and has been the focus of three exploration programs: Boliden in the 1930's, Sulfidmalm (Falconbridge) 1979-84, Terra Mining 1985-87 with subsequent study by the Norwegian Geological Survey (NGU) on behalf of the current claimholders. Exploration by these previous workers included nine short exploration adits and 45 diamond drill holes for a total of 4048 metres. VGP 1996 program was aimed at developing a drill program to further define the known resource.

Drilling at Kolsvik and Reppen has defined an estimated 2.8 million tonnes at 5 to 10 g/t Au equating to approximately 600,000 ounces of contained gold. There is considerable potential to increase these reserves and resources. A lesser figure estimated by the NGU takes a very conservative view of vein width and depth and does not include potential strike extensions.

The ore bodies are hosted within a system of steeply dipping structures (faults and shears) developed along the contact zone of granitic intrusions into metamorphic rocks. The Kolsvik deposit as currently defined has a strike length of approximately one km and extends to depths in excess of 200 metres from the surface. The fault zone in which Kolsvik occurs can be followed for 13 km. Widths of structures range from less than one metre to 30 metres. All the drilled mineralised structures remain open along strike as well as down dip and additional structures have not been adequately drilled or remain untested altogether.

At Reppen, 6 km west of Kolsvik, a 3 km mineralised zone has been only partially tested along part of its strike length by 5 drill holes. Some surface values high (11 to 40 g/t Au) have been reported and one drill intercept assayed 27 g/t over one metre. Sampling by VGP during 1996 yielded samples as high as 5430 ppb Au.

Previous exploration at Reppen concentrated on the large gold bearing silica cap that occurs along a high angle fault. New data from VGP's 1996 exploration

sampling may indicate the presence of a larger epithermal target. VGP collected one rock chip from silicified limestone with 350ppb Au.

Mineralisation at both Kolsvik and Reppen is native gold and arsenopyrite with pyrite, pyrrhotite, chalcopyrite and minor scheelite. Gold is mostly fine but some visible gold in the range of 0.2 to 1mm has raised concerns that narrow diameter core drilling may be underestimating gold content due to the nugget effect of this coarser gold e.g. 4.7m at 27.5 g/t in DDH 55 including 1.3 m at 125 g/t Au, and a reported 777 g/t Au intercept from DDH 15.

2.2 Location

The Bindal gold projects (Kolsvik, Reppen and Finnlifjellet) are located below the Arctic Circle approximately 300 km north of Trondheim in the Bindal Kommune, northern Norway (Figure 2-1). All three projects are located on the eastern side of the Tosenfjord, which remains ice-free year round (Figure 2-2). The Kolsvik gold deposit, is situated approximately 4 kilometres south of Kolsvik Bay, at Latitude 65°10'5"N and 12°48'28"E Longitude. Six kilometres west of the Kolsvik deposit lies the Reppen gold project. The numerous gold prospects which comprise the Finnlifjellet area are located nine kilometres northeast of Kolsvik.

2.3 Property

VGP controls a total 132 claims in the Bindal area. The claims cover 15,700 hectares (ha) and encompass the three areas of Kolsvik, Reppen and Finnlifjellet. Figure 2-3 and Plate VGP-7 shows the claims within the Bindal projects. A list of the claim coordinates is contained in Appendix 1.

Under the mining act (BVL) of June 30 1972 a claim cannot be larger than 300,000m² and the largest side cannot exceed 1,200m in length. The annual fee payable to the Bergvesenet is 30NOK per 10,000m² or 30NOK/ha). The fee is due no later than the 2nd of January of each year.

Surface ownership is more complicated. At Kolsvik the surface ownership is divided by the Bogelva River. On the west side of the river in the area of the claim block the ownership is shared between 12 families. The eastern side is owned by the Helgeland Kraftlag (power station) and the Nord Trøndelag Fylke.

2.3.1 Kolsvik Claims

Kolsvik is currently encompassed by 78 claims totalling 1,950ha (Table 2.1). When VGP became involved with the project there were 12 "original" claims covering 300ha. A total of 60 new claims were applied for on 4 July 1996. In addition six claims were applied for east of the main block to cover reported gold occurrences in that area. For descriptive purposes this area is referred to simply as the "East Claim Block".



Figure 2-1 Bindal Project Location Map.

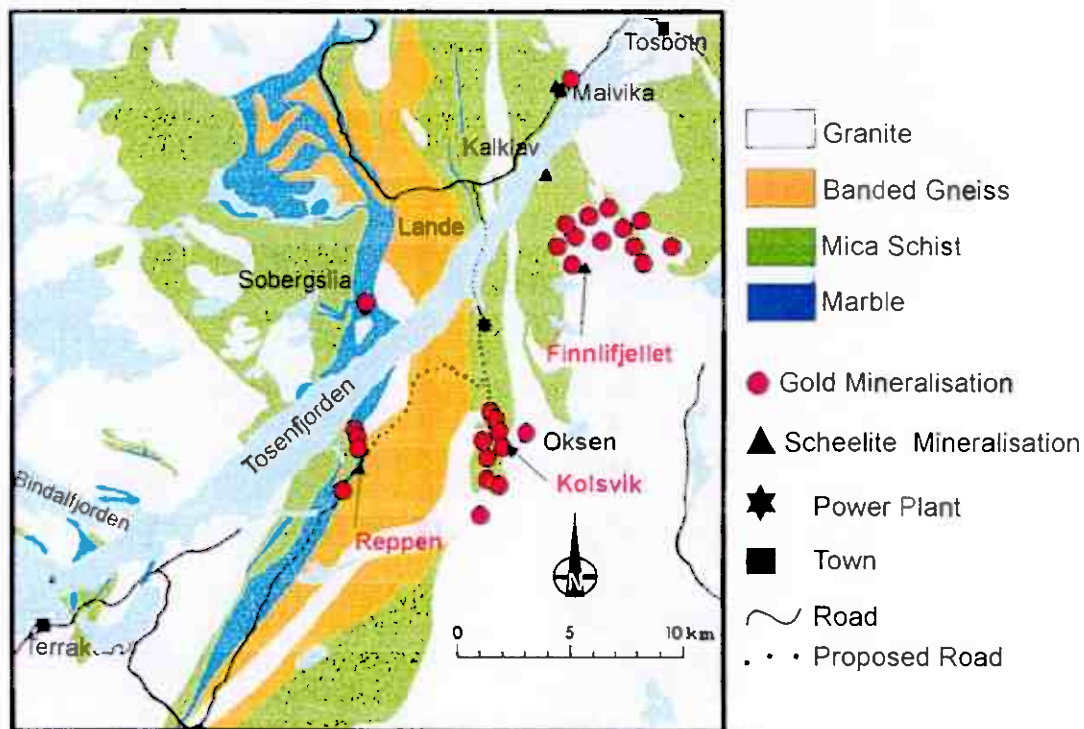


Figure 2-2 Bindal Area Geology and Project Location Map.

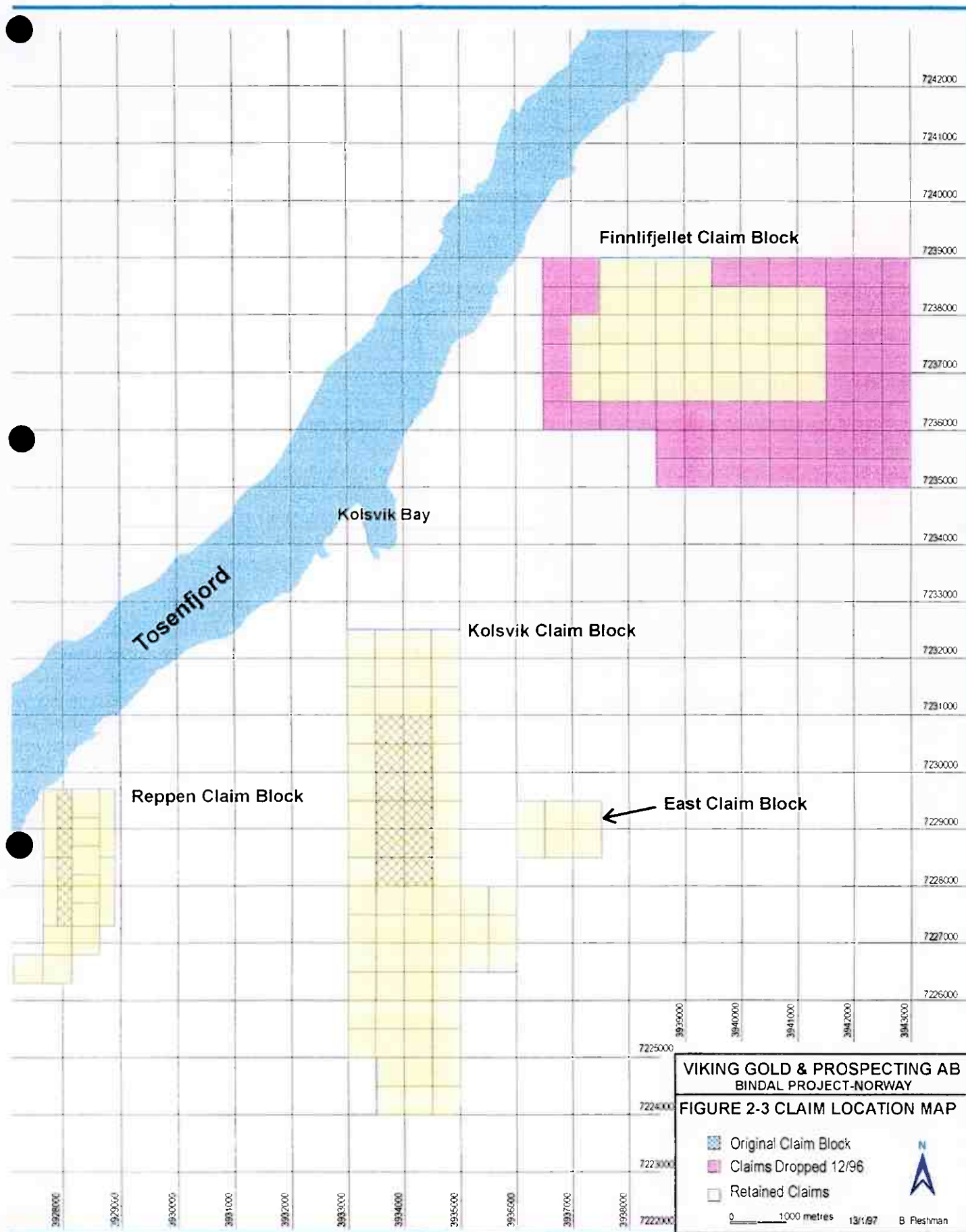


Table 2.1 Kolsvik Claims

No. Claims	Type	Size (m ²)	Subtotal (m ²)	Hectares (ha)
12	original	250,000	3,000,000	300
60	new summer '96	250,000	15,000,000	1,500
6	East Block	250,000	1,500,000	150
78	Total		19,500,000	1,950

2.3.2 Reppen Claims

The original land position at Reppen consisted of two claims totalling 60ha (Figure 2-4). Reppen Claims 1 and 2 covered an area measuring 250m in an east-west direction and 2400m in a north-south direction. VGP increased the Reppen claim block twice during 1996. In July VGP applied for 9 additional claims totalling 2.2 million m² or 220ha. Following the October reconnaissance program the land position was expanded by an additional 4 claims, 2 claims on either side of the claims block. The claim block now totals 15 claims or 400ha (Table 2.2).

Table 2.2 Reppen Claims.

No. Claims	Type	Size (m ²)	Subtotal (m ²)	Hectares (ha)
2	original	300,000	600,000	60
8	new (summer '96)	250,000	2,000,000	200
1	new (summer '96)	200,000	200,000	20
4	new (fall '96)	300,000	1,200,000	120
15	Total		4,000,000	400

2.3.3 Finnlfjellet Claims

Based on reported gold occurrence in the Finnlfjellet area VGP applied for 96 claims or 2400 ha of land. Following the October exploration activity conducted by Boye Flood the total land position was reduced to 39 claims (Table 2.3).

Table 2-3 Finnlfjellet Claims.

No. Claims	Type	Size (m ²)	Subtotal (m ²)	Hectares (ha)
0	original	0	0	
96	new (summer '96)	250,000	24,000,000	2,400
57	dropped fall '96	250,000	14,250,000	1,425
39	Total		9,750,000	975

Reppen Claim Block FIGURE 2-4

 Original Claims
 New VGP Claims

0 250 500M




7230000

7229000

7228000

7227000

7226000

3928000

3929000

3930000

3931000

2.4 Bindal Area Geology

2.4.1 Regional Geologic Setting

The Bindal Projects are located near the coastal area of northern Norway. The geologic setting of this part of the Scandinavian peninsula is dominated by a north-south trending Palaeozoic (Caledonide) core. The orogenic belt consists of allochthonous metamorphosed and deformed rocks overlying a sequence of autochthonous rocks of late PreCambrian to Silurian sedimentary rocks. Besides metamorphosed sediments, the belt contains magmatic rocks which vary in composition from ultramafic to granite.

Ranging in age from Eocambrian (800 my) to Silurian (395) the volcanic, sedimentary and intrusive rocks of the belt are hosts to a large number of ore deposits of differing types. The deposits form a Caledonian metallogenic belt with a length of almost 1700 km and a width of 250 km. The belt occupies almost the entire western edge of the Scandinavian peninsula.

Mines within the belt occur in a series of sub-provinces or districts of which the Trondheim, Grong, Slitjehmn districts are the more important in Norway (Figure 2-5). All of the metallic mines in operation have been stratabound deposits in metasedimentary and meta-volcanic rocks, massive Cu-Zn-Fe sulphide deposits, Pb-Zn-Fe sulphide deposits and magnetite hematite deposits. There are also a number of fissure vein deposits in the southern part of Norland, associated with the Svernignadal granite and near Trondheim. The Bindal projects are located approximately mid way between Trondheim and the gold occurrence at Svernignadal.

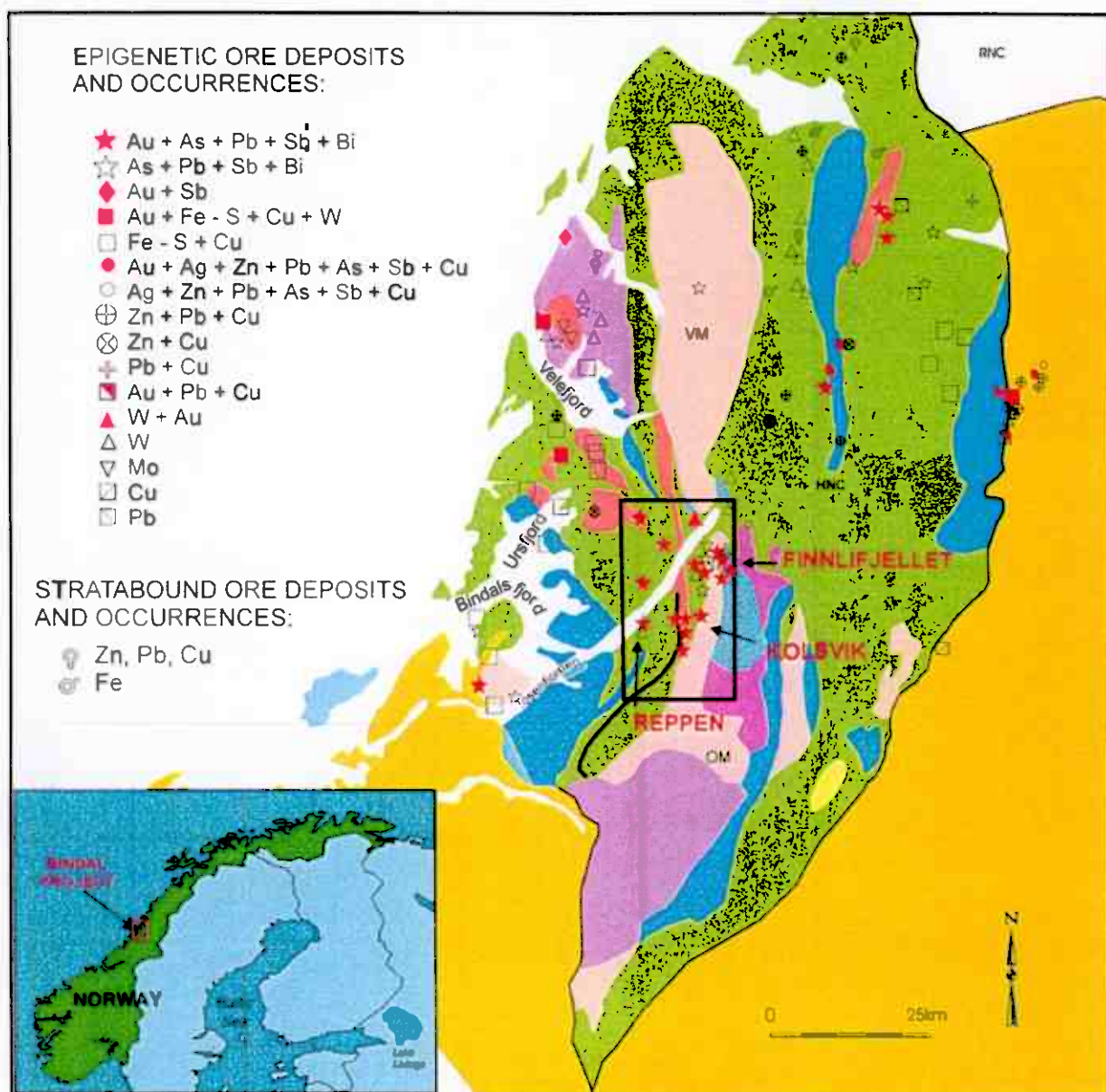
2.4.2 District Geology

Caledonian rocks above the PreCambrian have been divided into four Nappe Complexes: a) Susandalsdekket complex b) Seve-Kopplidekke complex, c) Rodingfjelldekket complex and d) the Helgeland complex. These complexes moved during major upheaval of Caledonic mountain folding at the end of the Silurian about 400 million years ago.

Rocks of the Helgeland Complex (HNC) dominate the Bindal area. The supracrustal country rocks include marbles, amphibolites, amphibole-biotite gneisses and calc-silicate gneisses of the Bogadal Formation as well as matagmatic sillimanite-kyanite-biotite gneisses of the Grytendal Complex.

Numerous granitoid intrusives of the Bindal Batholith cover large areas of the HNC forming large massifs. The intrusive rocks consist mainly of granitic and quartz-dioritic types with lesser intermediate to basic types.

Epigenetic deposits containing Au, Ag, As, Pb, Cu, Zn, Fe, Sb, Bi, Mo, W, Th and U have widespread occurrences in the HNC (Figure 2-5). Most epigenetic



- | | |
|---------------------------------|--------------------------------|
| Granite, Granodiorite | Gabbro, Diorite, Monzodiorite |
| Quartz Monzonite, Syenite | Various Metasupracrustal Rocks |
| Porphyritic Granite | Leka Ophiolite Complex |
| Porphyritic Granodiorite | Rocks Below The HNC & RNC |
| Diorite, Tonalite, Granodiorite | |
- HNC - Helgeland Nappe Complex
 KNC - Koli Nappe Complex
 RNC - Rodingsfajallet Nappe Complex
- OM - Oksdal Massif
 VM - Vistindane Massif

Figure 2-5 Epigenetic Ore Deposits

After P. M. Ihlen 1993

deposits associated with the HNC show a strong spatial relationship to granite massifs of the Bindal Batholith. Veins containing arsenopyrite occur throughout the HNC, however only those situated in the contact zone of the main massifs contain gold concentration of economic interest (Ihlen, 1993).

2.5 Lithogeochemistry

2.5.1 Sample Areas

Lithogeochemical sampling in the Bindal Project during 1996 had two objectives. The first goal was to confirm the presence of anomalous gold bearing rock samples reported by previous workers. Secondly the program focused on locating other potential gold exploration targets in the immediate area. A total of 258 samples were collected from the Bindal Project during the 1996 field season. Of this total, 77 were scree samples collected by Geologiske Tjenester AS (Boye Flood) during the reconnaissance of the Finnlifjellet claim Block.

Table 2.4 is a break down of the sample quantities and general sample locations. Analytical results, sample descriptions and coordinates for each sample collected by VGP are located in Appendix 2. Appendix 3 contains the sample data grouped by the areas indicated in Table 2.4. Laboratory reports are contained in Appendix 4. Sample location maps are located in Plate VGP-1 and Figure 2-6. Sample location maps for the Finnlifjellet area are contained in the report by Geologiske Tjenester AS (1997).

Table 2.4 Geochemical Samples and Locations.

	Area	Rock Samples	Scree Samples	Total
Kolsvik	Kolsvik Central	100	1	101
	B-7	3	0	3
	South Kolsvik	24	9	33
	East Claim Block	6	0	6
	Reppen	40	0	40
	Finnlifjellet	8	67	75
	Totals	181	77	258

2.5.2 Laboratories

Rock chip samples from Kolsvik, Reppen and Finnlifjellet were sent to Chemex Laboratories in Canada for analysis. Scree samples were analysed by OMAC Laboratories in Ireland (see report by Geologiske Tjenester AS (1997) for a discussion of analytical procedures used by OMAC).

Chemex sample preparation consisted of drying the samples followed by crushing the entire volume to a minimum of 60% passing 2mm (-10 mesh). Crushed material was then riffle split to obtain approximately a 250 gram sub sample which was then pulverised using a chrome steel ring mill to better than 90% passing 100 micron (-150 mesh).

All samples were analysed for Au, Ag, As, Cu, Pb, Zn, W, Sb and Bi. The selection of the pathfinder elements was based on the reported occurrence of these elements in the general area of the Reppen-Kolsvik gold area (Ihlen, 1993). Gold was analysed using a 30 gram Fire Assay procedure with an AA finish. The remainder of the elements were tested by an optimised geochemical procedure (Table 2.5).

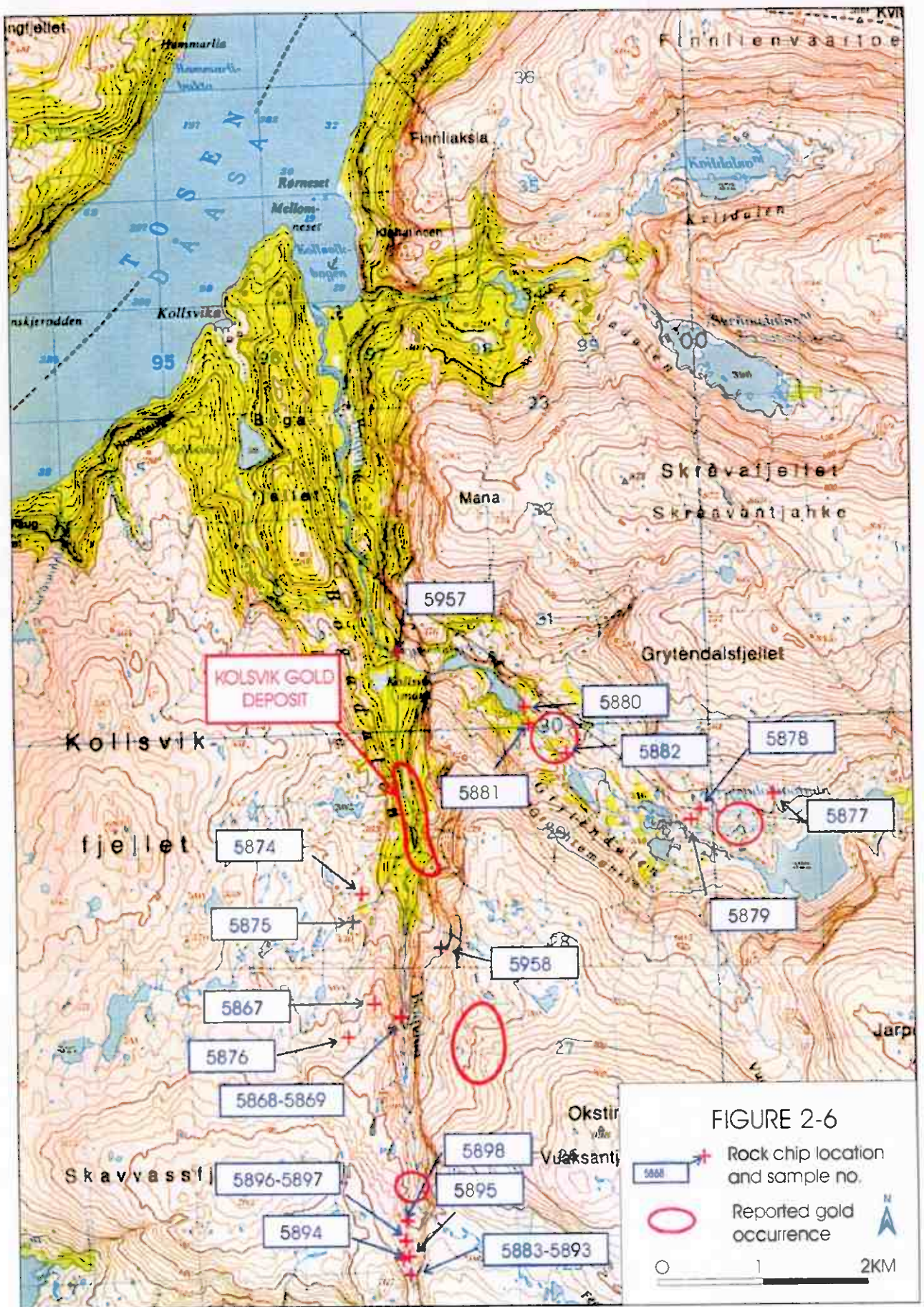
Table 2.5 Analytical Procedures and Detection Limits.

Element	Description	Method	Lower Limit	Upper Limit
Au-ppb	fuse 30g	FA-AAS	5.0	10000
Au-g/t	30g gravimetric	FA-Gravimetric	.07	1000.0
Ag- ppm	aqua regia digest.	AAS	0.2	100.0
As-ppm	aqua regia digest	AAS-Hydride/EDL	1	10000
Cu-ppm	aqua regia digest	AAS	1	10000
Mo-ppm	aqua regia digest	AAS	1	1000
Pb-ppm	aqua regia digest	AAS	1	10000
Sb-ppm	HCl-KClO ₃	AAS	0.2	1000
Zn-ppm	aqua regia digest	AAS	1	10000
Bi-ppm	HCl-KClO ₃	AAS	0.1	1000
W-ppm	pyrosulfate fusion	colorimetric	2	1000

2.5.3 Rock Chip Data

Two coordinate systems are in use in the Bindal Area, the NGO and the UTM system. Peter Ihlen listed both coordinate systems for the Kolsvik drill holes. However, only the NGO system matched exactly with the drill hole location map provided with his 1975 report. Therefore the NGO system was adopted within the main project area where there is detailed topographic coverage (Plate: VGP-1). Sample locations were plotted from the Excel spreadsheet using a plot routine program in Rockworks and then exporting the file into AutoCAD.

Outside of the main area locations are based on 1:50,000 topographic maps and the UTM coordinate system is used (Figure 2-6). The NGU data purchased by VGP was delivered using the UTM system, a conversion to the NGO system was used allowing the data to be imported directly into VGP's data base.



2.5.4 Statistical Analysis of 1996 Rock Chips

Prior to plotting geochemical values a statistical analysis was completed to first determine which elements correlate with gold and second to determine appropriate cutoff values for each element. Both arsenic and antimony show strong correlations to gold. Three Cad files were generated for each of the following elements: Au, As and Sb (VGP-2 through VGP-4).

The log-log scatter diagram plots indicate that gold has a strong correlation with As and Sb (Figure 2-7 and Figure 2-8). The data supports what was previously pointed out by the NGU and Falconbridge, that a very close association exists between gold with arsenic. Its such a close association that it highlights the importance of assaying arsenic in all drill cores and strengthens the interpretation of Falconbridge who used the occurrence of arsenopyrite in its ore model.

There appears to be very little correlation of gold with other elements such as Zn, Cu, Ag and Pb (Figures 2-9 and 2-10).

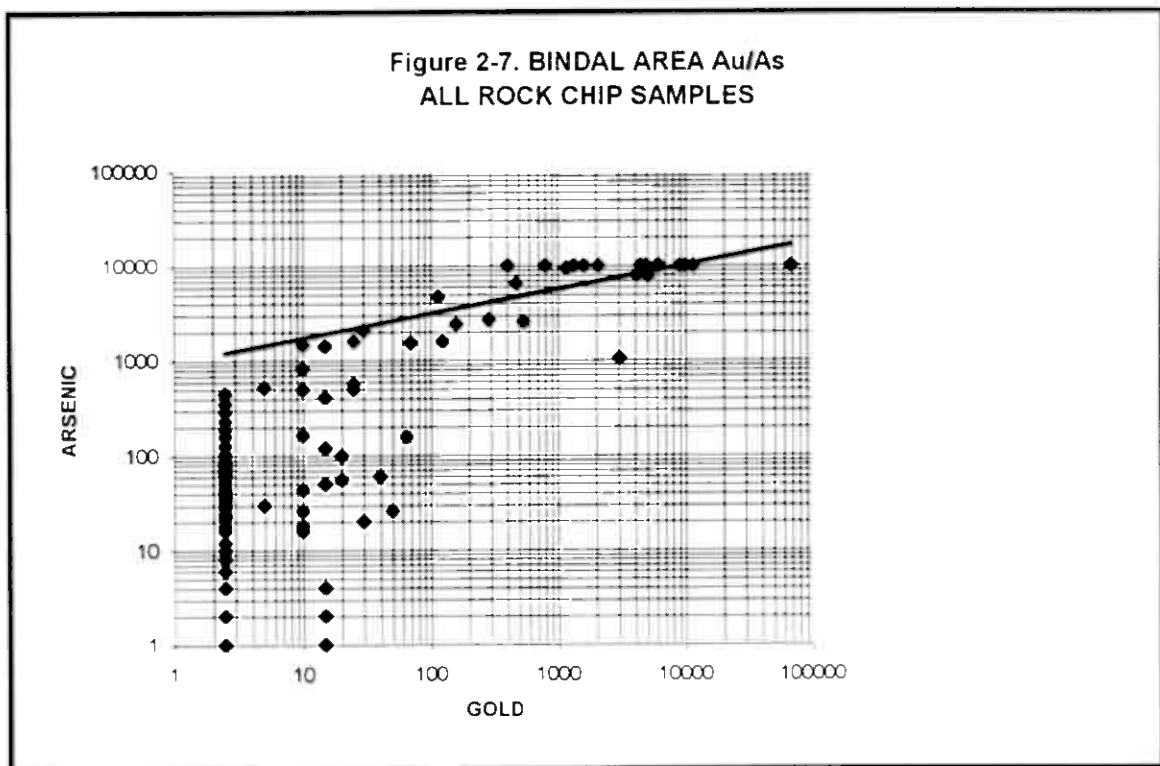


Figure 2-8. BINDAL AREA Au/Sb
ALL ROCK CHIP SAMPLES

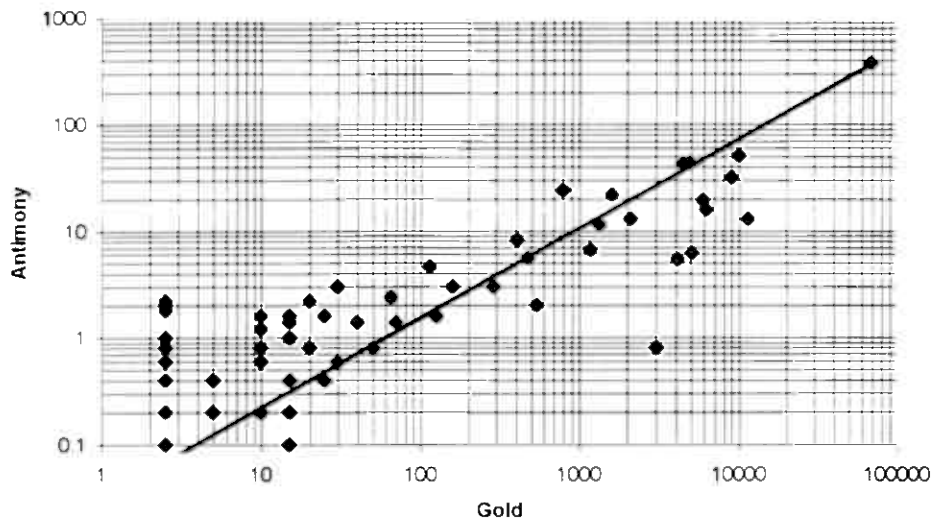
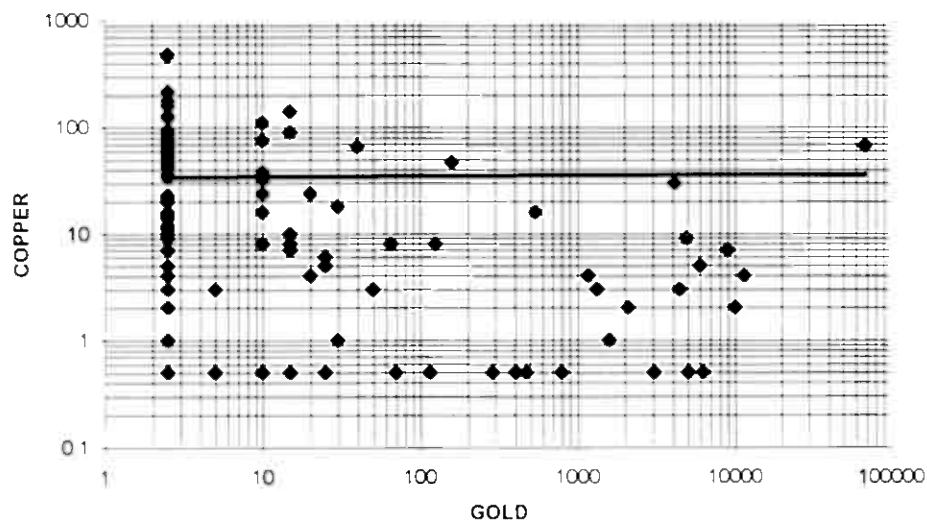
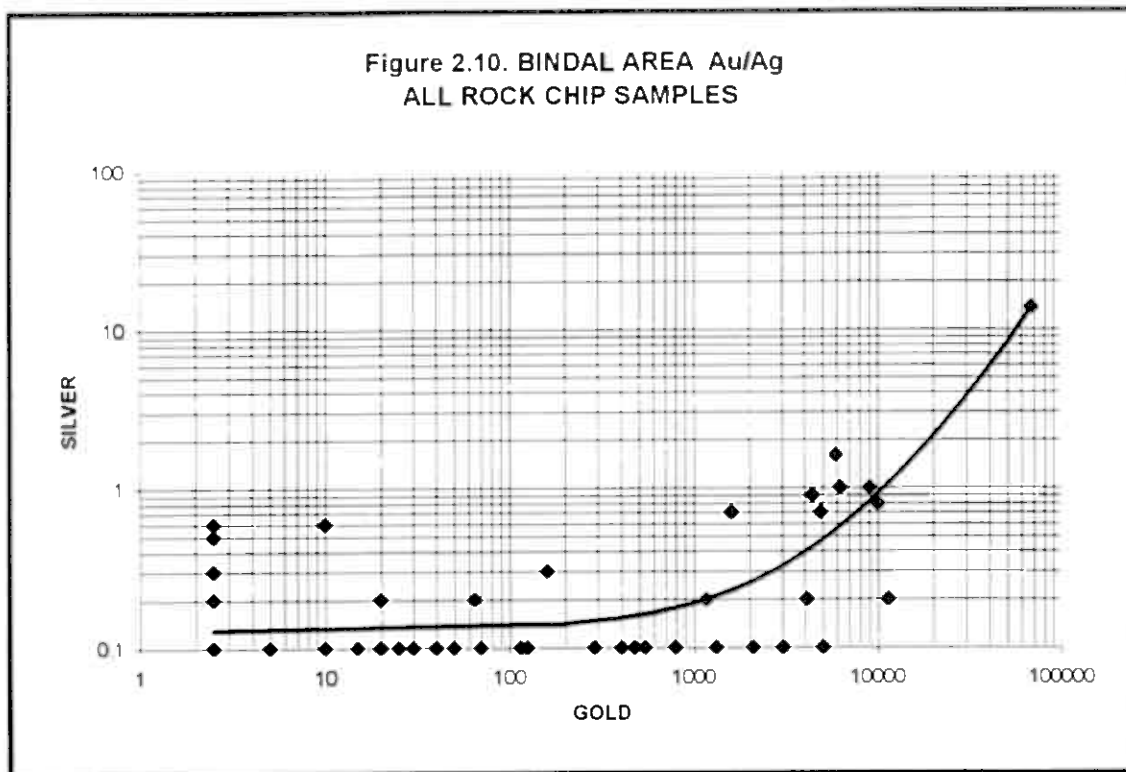
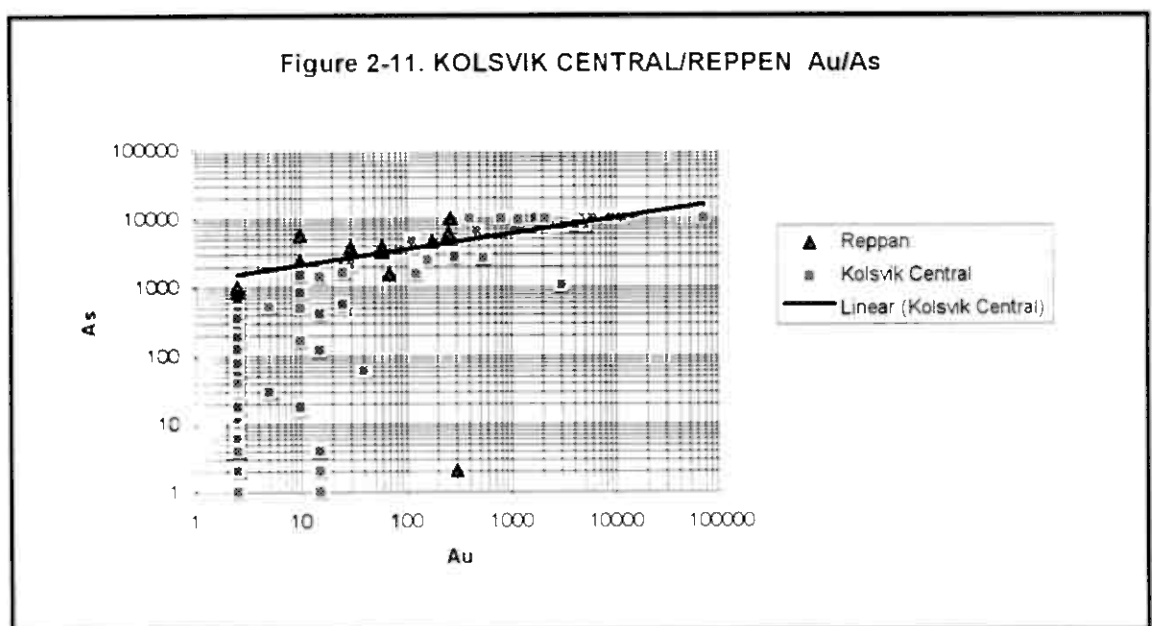


Figure 2.9. BINDAL AREA Au/Cu
ALL ROCK CHIP SAMPLES





Data for each area was examined separately to determine if the mineralisation in Reppen for example had a different association to that found at Kolsvik. The data sets were then recombined to graphically display the data (Figure 2.11). Both areas exhibit similar mineral associations particularly gold and arsenic. Although the silica cap at Reppen locally contains much higher concentrations of arsenopyrite.



3.0 KOLSVIK PROJECT

3. 0 Kolsvik Project

3.1 Geology

The Kolsvik gold deposit is located at the contact-zone of the Early Silurian age Oksdal granite massif with supracrustal rocks (Figures 3-1 and 3-2; and Plate VGP-8). Granite intrusive rocks within the deposit consist of medium to coarse grained grey biotite-bearing quartz monzonite and light grey 2-mica granites, the latter representing the main intrusive phase. The principle host rock, a late phase leucocratic muscovite granite occurs in the central part of the deposit. The granite often shows alteration in the vicinity of the tectonic zones, where carbonate, sericite, muscovite and chlorite are common.

Granitic rocks are intruded into rocks of the Grytendal Complex, the Bogadal Formation and the Tosenfjord group. Main lithologies found in the Kolsvik area are: granite, augen gneiss/banded gneiss, marble and mica schists.

3.2 Alteration

Hydrothermal alteration has affected most rocks that occur at the deposit. Ihlen (1993) describes the alteration as including skarnification of the marbles, silicification of the granites, bleaching of the two-mica granites (dissolution and replacement of biotite by muscovite), muscovitisation of the granites, quartz-sericite alteration of the leucocratic granites, ankerite veining, chloritisation, argillitisation connected with fault gouges and chlorite-calcite-stilbite and epidote veins associated with red colouration of the granites.

3.3 Gold Mineralisation

Gold and arsenopyrite mineralisation is dominantly hosted by granitic rocks near contact zones with gneisses and metasediments. Mineralisation is typically tectonically controlled and related to such structures as:

- quartz vein fillings in fractures, shears and joints.
- quartz segregation in or associated to the above structures.
- quartz/arsenopyrite matrix fill in breccias.
- massive arsenopyrite zones in fractures and shears.

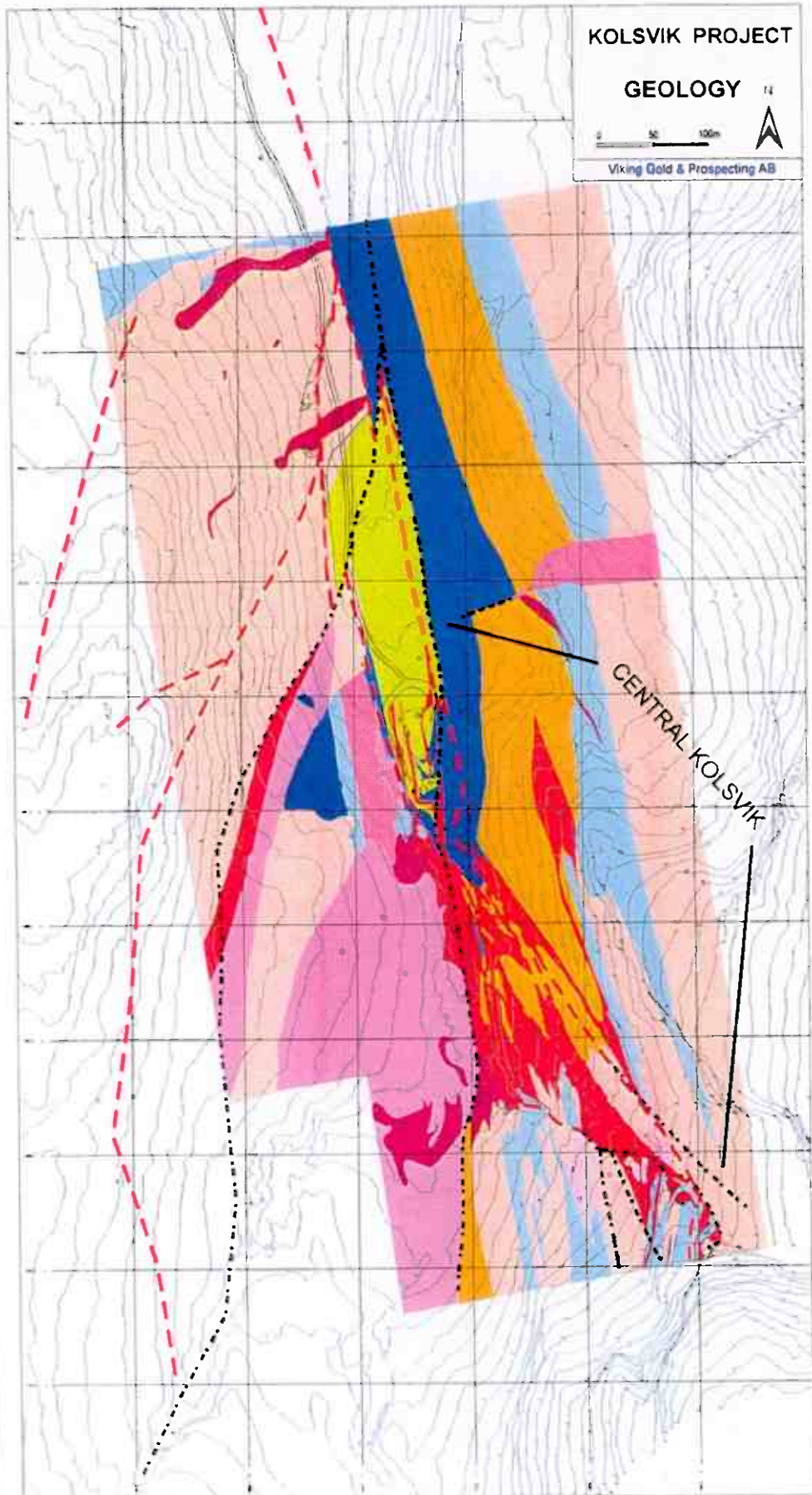
Mineralisation consists of native gold, pyrite, pyrrhotite, arsenopyrite and chalcopyrite and minor scheelite. Native gold is known to occur as visible grains (0.2-1 mm) in sheared and fractured quartz veins, but is most commonly encountered as microscopic grains (1-100µm) intimately intergrown with arsenopyrite. Coarse visible gold is associated with fractured quartz and is known to occur at several locations particularly near the Klondike adit.

KOLSVIK PROJECT

GEOLOGY

0 50 100m

Viking Gold & Prospecting AB



LEGEND

INTRUSIVE ROCKS:



White to pink medium grained to pem. Leuco granite



Light grey to pink medium grained two-mica granite



Grey quartz monzonite



Dark grey medium grained monzodiorite



Grey biotite-rich anatectic granite

SUPRACRUSTAL ROCKS:



Alternating zones of calc-silicate gneiss, amphibolite, biotite gneiss and migmatitic gneiss



Marble



Garnet-clinopyroxene skarn



Alternating zones of amphibolite, amphibole-biotite gneiss, calc-silicate gneiss, granodioritic orthogneiss and locally marble and skarn



Migmatitic sillimanite-kyanite-biotite gneiss

75



Strike and dip of foliation and banding

Stilbite breccia



Late high-angle normal fault with dextral strike-slip displacement (FOFZ)

70



Early high-angle dextral fault (KRFZ) with dip of fault plane/quartz vein.
Ore structures: B1, B2, C, F1-F11, K



Mylonite



Quartz breccia and quartz veined zone

DDH 5



Diamond drill hole number 5 (DDH 5)



Shaft



Adits



Cabin



Road

From: P. Ihlen 1996

Visible grains of native gold have been observed at several places at the deposit. DDH 55 intersected 27.5 g/t over 4.7m including 1.3m at 125 g/t. Visible gold was also noted in hole DDH 15 that locally assayed 777 g/t from a drill intercept containing quartz veins.

3.4 Structural Control

Two systems of fractures appear to be significant in the localisation and distribution of gold and arsenopyrite mineralisation:

- a) conjugate system of gentle to moderately inclined shears and joints with an average strike of 160 degrees. These flat shears often contain development of massive arsenopyrite or vein quartz with arsenopyrite and gold.
- b) Steep shear-faults and joints with an average SE-NW trend. These fractures exhibit a suite of associated tension gash veins. The major fault zones have steep easterly dips (eg. $70^{\circ} + 15^{\circ}$).

Surface sampling and mapping have delineated the "main zone" of mineralisation that extends for a minimum of one kilometre in a north south direction. Examples of surface geochemical results from this main zone are shown in Plates: VGP-2 and VGP-10.

Sampling during 1996 also located anomalous gold bearing structures 4 kilometres south of the K-zone at the head of the Bogelva valley.

3.5 Gold Zones

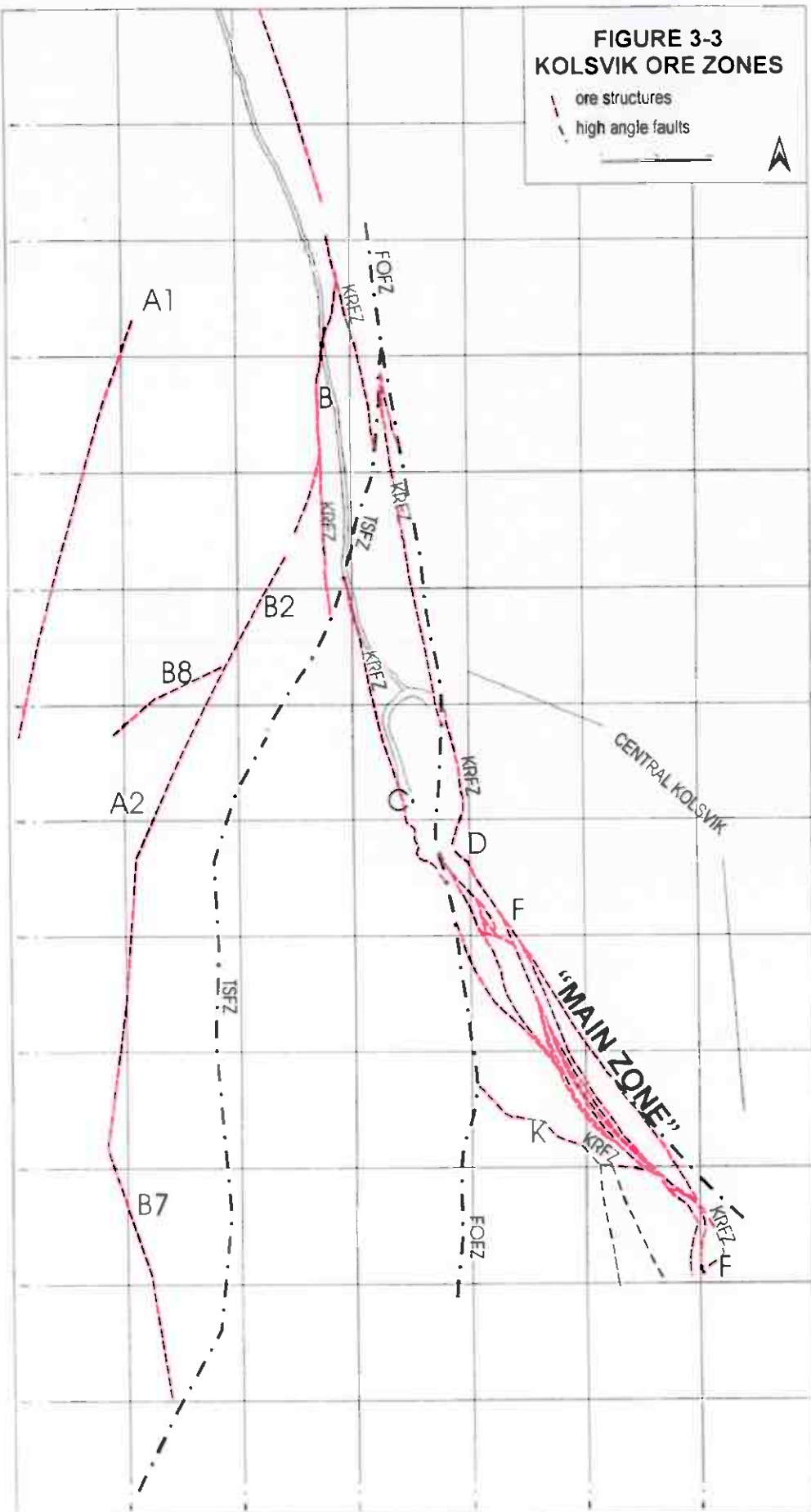
A main zone of ore mineralisation has been formed as a result of the structural control of the Kolsvikbogen-Ringvatn fault zone (KRFZ) (Figure 3-3 and Plate: VGP-8). The richest and most continuous Au-As mineralisation occurs along the KRFZ and associated splays.

The KRFZ also appears to have controlled the emplacement of the leucocratic granites that occur in the central part of the deposit where they constitute an important host-rock for mineralisation. Mineralisation is known to extend for several metres into the granitic wallrocks on both sides of the fault plane.

For descriptive purposes the main zone can be broken down into areas: F to C zone; C to B zone and the B7 zone (Figure 3-3 and Plate VGP-8). Besides the main zone, NGU geologists have also located zones peripheral to the main zone. These additional structural zones include the A1, A2, B8, B7, E and K-zones. To date the recognition of additional structures and potential ore host has largely been limited by available outcrop exposures (ie; scree covers large areas within the valley and on the gentler slopes).

**FIGURE 3-3
KOLSVIK ORE ZONES**

ore structures
high angle faults



Ore zones along the KRFZ appear offset by the younger Finnli-Oksdal fault zone (FOFZ) and its splay, termed the Tverrelva-Skavvassfjell fault zone (TSFZ). Strong chlorite alteration and chlorite and calcite-stilbite in veins are associated with these later faults.

True widths of high grade ore zones vary from 1 to 3 metres with an average taken as 1.5 m. Wider ore zones in the range 5 to 7m (5 to 10 g/t) are known to occur on the surface where high gold assays are accompanied by visible gold. Drill sections through the main ore zone indicate continuity of the high grade gold mineralisation occasionally within a halo of lower grade mineralisation. Because some of the gold is known to occur as coarse or nuggetty gold, some areas of low grade mineralisation may in fact contain higher grade values but were not intersected by drill holes.

3.6 Drill Hole Data Base

Falconbridge and Terra Mining drilled and recovered core from 45 diamond core holes totalling 4,048m (Table 3.1, Figure 3-4). The majority of the holes were angled 40 to 60 degrees in either an easterly or westerly direction in an effort to intersect the steeply dipping structures of main zone.

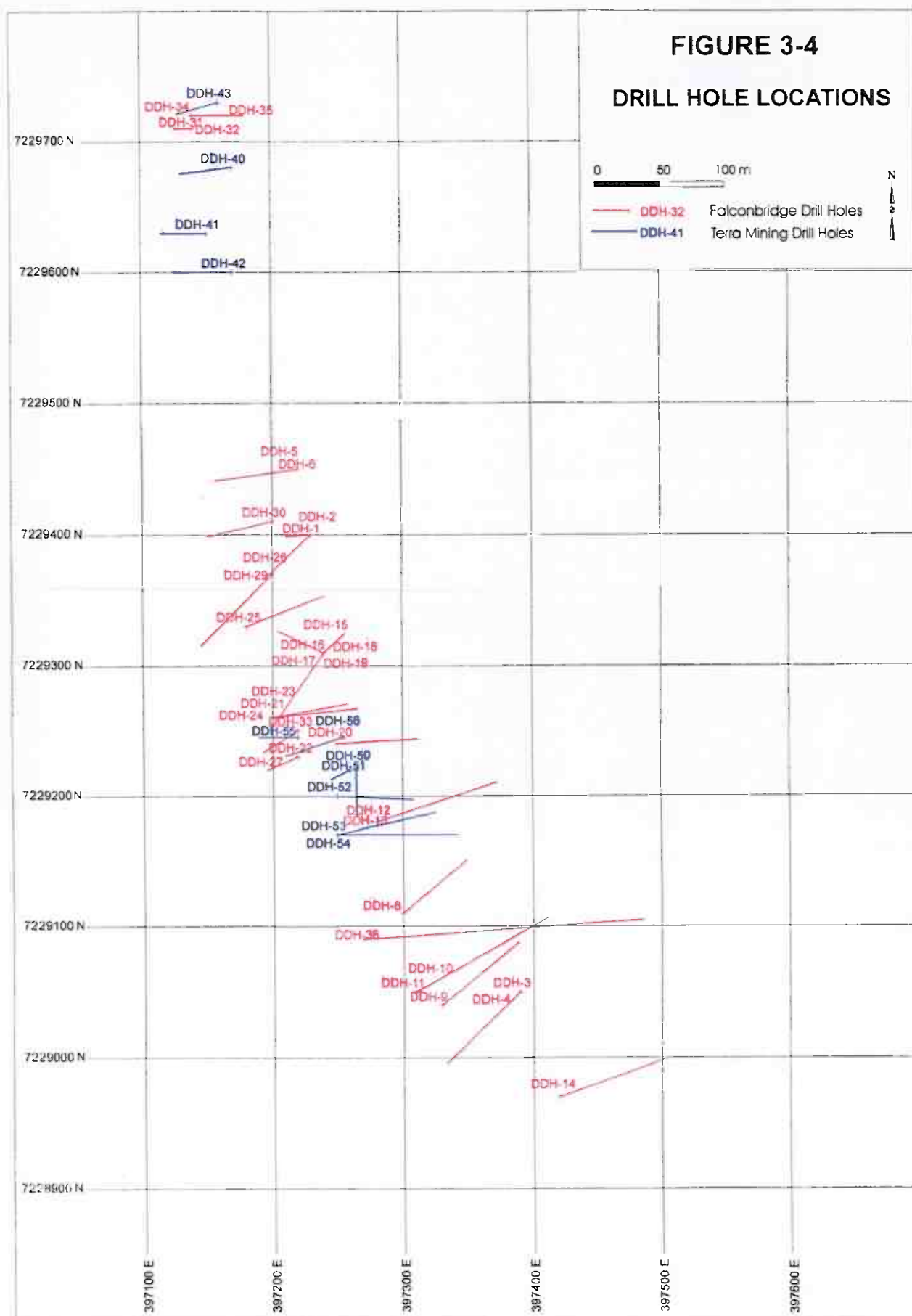
Core sampling was conducted in a manner that possibly diluted some ore intervals and may have completely missed other intervals. Sample intervals varied from 0.25m to as much as 21m in length. In several holes the top several meters of the hole or the bottom portion of the hole were not assayed at all, which again may have resulted in overlooking zones of gold mineralisation. Assay results available from the Falconbridge and Terra Mining drilling are contained in Appendix 5.

Table 3.1 Summary of Kolsvik Drilling.

Company	No. of Holes	Metres
Falconbridge	34	3333
Terra Mining	11	715

3.6.1 Drill Hole Sample Statistics

Gold values from the drill holes (sample data) range from Below Level of Detection (BLD) to a high of 777 g/t. BLD values were arbitrarily assigned a value equal to 0.5 times the assay detection limit.



A summary of the basic drill hole statistics is contained in Table 3.2. High grade values were not cut.

Table 3.2 Summary of Drill Hole Statistics.

Company	Min	Max	Mean	STD	No. of Samples
Falconbridge	0.005	777	3.7	33.7	549
Terra Mining	0.01	125	0.9	7.2	328

Appendix 6 contains cumulative frequency distribution for both sets of data. Graphs 1 through 4 show the distribution of the sample data population that was collected over variable drill lengths. Drill data was also composited to 1 meter intervals to compensate for sample length variations. The Terra Mining samples are on the average lower than the Falconbridge data. Approximately 20% of the Falconbridge data lies below 0.1 g/t Au versus 60 % of the Terra Mining data. Terra Mining holes were much shallower than the Falconbridge holes and in some instances were drilled on the foot-wall side of the main ore structures.

3.6.2 Composited Data

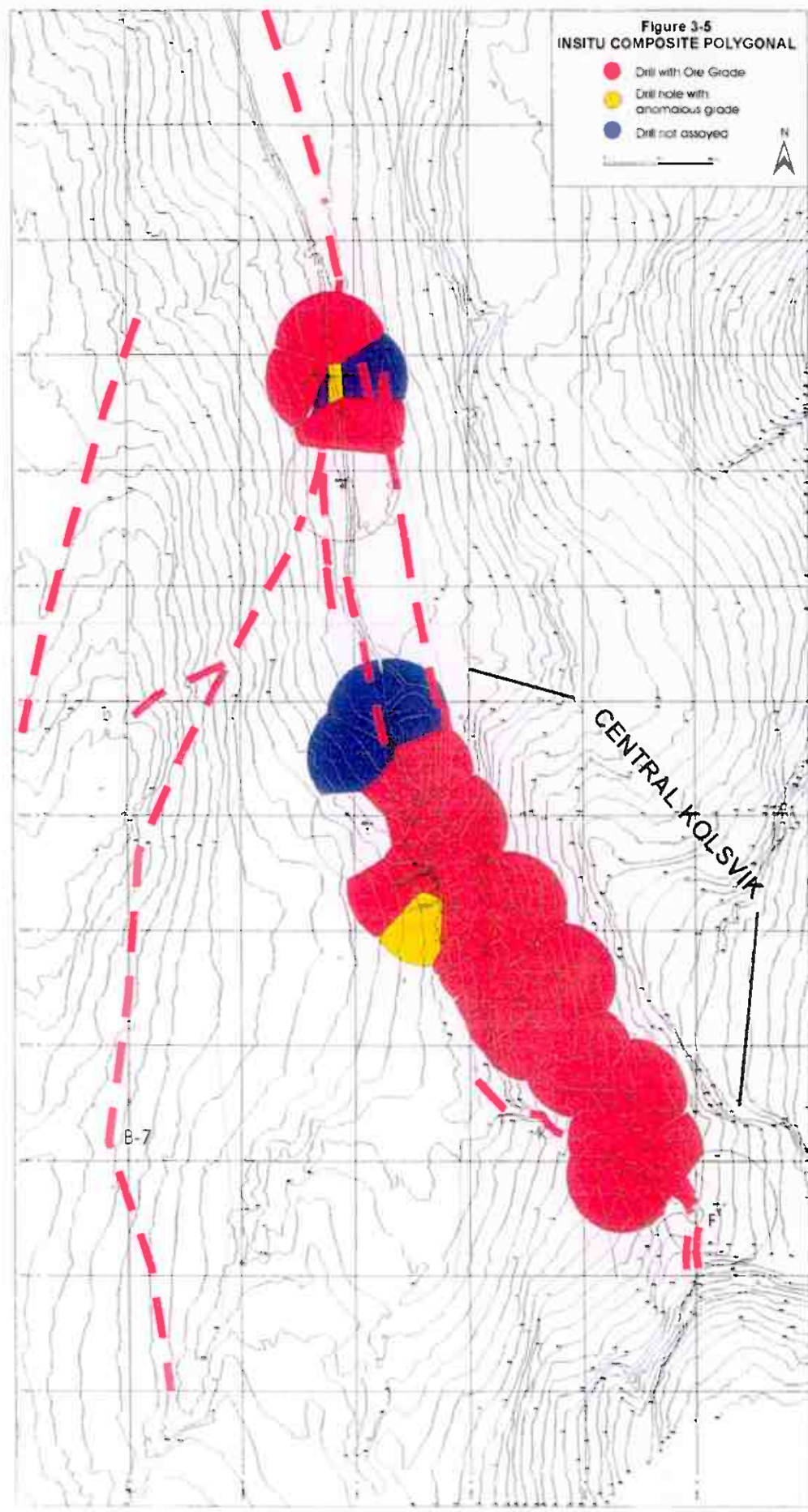
Appendix 7 contains a drill hole summary produced using a Micromodel routine. The program performs a down hole composite for each drill hole in the data base. The result is a simple summary of the mineralised intervals in each drill hole at a specified cut off value. An arbitrary cut off value of 0.5 g/t was used to create the summary.

Figure 3-5 is a composited polygonal map produced from this same program. The map graphically displays the data contained in Appendix 7. The tonnage information is not realistic because the polygonal program does not take into account the geometry of the host structures. However, this "composite insitu polygonal map" is useful for quickly understanding the basic trend of the deposit. In addition the map highlights the need for further drilling along strike.

Figure 3-5
INSITU COMPOSITE POLYGONAL

- Drill with Ore Grade
- Drill hole with anomalous grade
- Drill not assayed

1:25000



3.6.3 Core Re-assay Program

Eleven drill holes were selected to be re-assayed in whole or part during the 1996 exploration program. The purpose of the re-assaying program was: (1) to standardise a portion of the data set using 1m sample intervals (2) determine the significance of potential dilution using 1m sample intervals and (3) to obtain new data from previous un-sampled core. Peter Ihlen's NGU (1993) report recommended that future work at Kolsvik include re-assaying approximately 600m of the core stored at Løkken. VGP geologists reviewed the core logs and drill sections and selected 701m of core to be re-assayed. However, because of missing core intervals, the final amount of core available out of the 701m selected was 580m.

Table 3.3 is a list of the core intervals which VGP requested to have re-analysed. Locations of the "re-assayed" drill holes are shown in Figure 3-6.

Some of the holes selected for re-analysis had intercepted high grade gold intervals. Other holes selected such as 5,6, 32 and 35 had not been assayed at all, but were in areas where ore zones are projected.

Most of the core diameter is 36mm or "B" core, which is small when a potential for coarse or nuggetty gold exists which is the case at Kolsvik. In addition, many of the sample intervals have been split and previously assayed. Therefore, only half of the B-core was available compounding the problem of a small core diameter. In addition some of the core with visible gold had been hand picked for hand specimens or metallurgical tests.

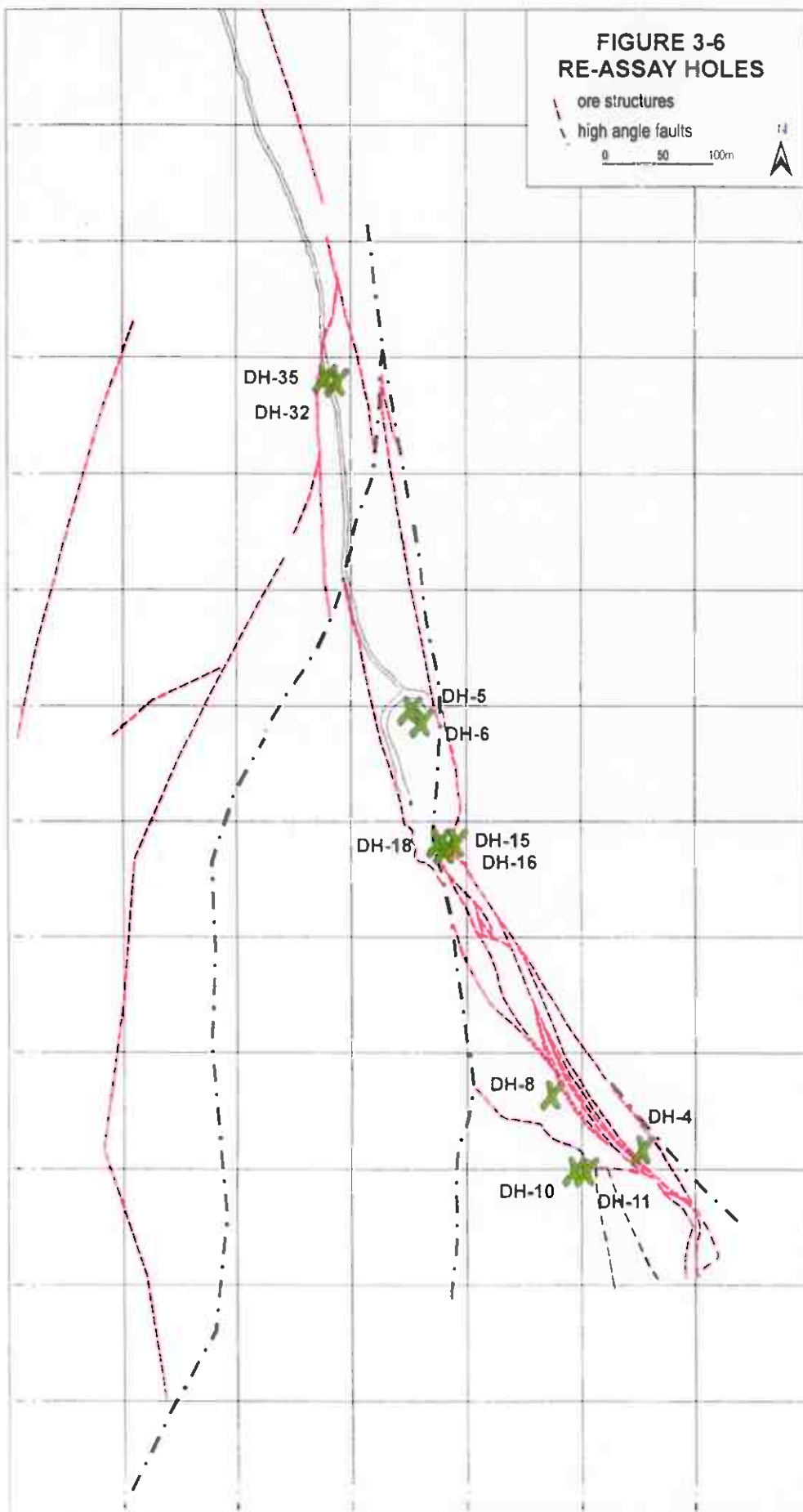
Table 3.3. Core Selected to be Re-Assayed

Drill Hole #	From	To	Total Meters	Remarks
4	14	93	79	
5	6	122	116	Not previously assayed
6	8	60	52	Not previously assayed
8	2	88	86	
10	25	88	63	
11	80	120	40	
15	16	70	54	
16	19	70	51	
18	16	52	36	
32	4	34	30	Not previously assayed
35	1	95	94	Not previously assayed
Total No. of meters			701	

**FIGURE 3-6
RE-ASSAY HOLES**

ore structures
high angle faults

0 50 100m



The original assay intervals varied widely from .25m to as much 17m. The most common interval was .25m. By re-assaying the core we are standardising a portion of the data set for consistency and ease of interpretation. Also this exercise would help to determine the effect of using a standard 1m sample interval in future drilling programs at Kolsvik.

Assay results for the re-assayed core are contained in Appendix 8. In order to compare the new more uniform data to the original data the down hole Micromodel module was used. The assay units reported on the lab reports that is "ppb" for the new assays and "g/t" for the old or original data was maintained in this review. For this exercise a cut off of 0.5g/t was used and an equivalent 500ppb for the new data. Table 3.4 is the Micromodel down hole summary for the new data.

Overall the new data indicates an increase in tonnage and although we are sampling over a much longer sample interval (1m) as compared to the normal .25m interval commonly used in the original data set, the assay grades do not appear to have been substantially diluted. In fact hole Nos. 4 and 11 both show increases in grade and tonnage (Table 3.5).

Hole No. 4. The original assays indicate a 2.3m mineralised zone from 14.8 to 29.5m averaging 9.58 g/t. The re-assayed interval was 3m between 14-30m averaging 12.7 g/t that is a 32% increase in grade and a 30% increase in thickness or tonnage contained in the mineralised interval.

Hole No. 8. Original assays indicate a total of 3m between 55.5-62.3m averaging 6.15 g/t. The re-assays confirmed approximately the same zone (55-60m) containing 4m at 4.6 g/t. The new data reflects a 33% increase in insitu tonnes.

Hole No. 10. In the original assays, a 5 m zone averaging 4.87 g/t was intersected between 54-59m. However, there was no core available for the corresponding interval (54-59m). Therefore a comparison cannot be made between the original data and the new assay values.

Hole No. 11. Original assays intersected a 24m thick mineralised zone (94-119m) averaging 1.28 g/t and containing a 2.5m zone between 116.5 -119 that averaged 5.69 g/t. The interval (114-119m) was confirmed by the re-assayed core that averaged 6g/t. The new data for this interval indicates a slight increase in grade (5%) but with 50% more insitu tonnes.

Hole No. 15. The original insitu assays indicate a 11m zone averaging 25.75 g/t (uncut) between 24-40m. The new data for the same zone shows 14m averaging 7.8 g/t. This is a 27% increase in tonnes. There are a couple of explanations for the substantially lower grade values: the obvious coarse nuggetty gold problem

TABLE 3.4 INSITU RE-ASSAYED DRILL HOLES

PROJECT: KOLSVIK									
ORE SUMMARY SHEET									
Ore Grade cutoff = 500 ppb									
Hole	Collar Elevation	From	To	Au	Thick.	Elevation From	To	Total Thickness	Au
DH4	294	14	15	1740	1	282.8	282		
		17	18	2780	1	280.5	279.7		
		29	30	33870	1	271.3	270.5	3	12797
DH5	179								
DH6	179								
DH8	248	55	57	3080	2	210.9	209.5		
		58	60	6145	2	208.8	207.5	4	4613
DH10	272								
DH11	272	103	104	790	1	189	188.2		
		110	111	850	1	183.3	182.5		
		114	119	6088	5	180.1	176	7	4583
DH15	182	24	25	1430	1	165.3	164.6		
		26	37	9662	11	163.9	156.3		
		38	40	890	2	155.6	154.2	14	7821
DH16	182								
DH18	182	50	51	1800	1	146.6	145.9	1	1800
DH32	157	14	15	575	1	143.8	142.9		
		16	17	3825	1	142	141.1	2	2200
DH35	157	21	22	1240	1	138.2	137.3	1	1240

TABLE 3.5 ASSAY COMPARISON
Insitu 0.5g/t cutoff (original data) /Insitu 500ppb cutoff (new data)

Hole	Collar Elevation	From	To	Au	Thick.	Elevation From	To	Total Thickness	Au
ORIGINAL DATA									
DDH4	294	14.8	15	1	0.3	282.2	282		
		17	18	4.05	1	280.5	279.7		
		18.3	18.5	1.9	0.3	279.5	279.3		
		28.8	29.5	22.37	0.8	271.5	270.9		
								2.3	9.58
RE-ASSAYS									
DH4	294	14	15	1740	1	282.8	282		
		17	18	2780	1	280.5	279.7		
		29	30	33870	1	271.3	270.5		
								3	12797
ORIGINAL DATA									
DDH8	248	55.5	56.3	5.63	0.8	210.5	210		
		58.5	60.3	7.83	1.8	208.5	207.3		
		61.8	62.3	1.03	0.5	206.3	205.9		
								3	6.15
RE-ASSAYS									
DH8	248	55	57	3080	2	210.9	209.5		
		58	60	6145	2	208.8	207.5		
								4	4613
ORIGINAL DATA									
DDH-10	272	54	59	4.87	5	240.7	237.7		
								5	4.87
RE-ASSAYS									
DH10	272							0	0
ORIGINAL DATA									
DDH-11	272	94	115.5	0.77	21.5	196.3	178.9		
		116.5	119	5.69	2.5	178	176		
								24	1.28
RE-ASSAYS									
DH11	272	103	104	790	1	189	188.2		
		110	111	850	1	183.3	182.5		
		114	119	6088	5	180.1	176		
								7	4583

TABLE 3.5 ASSAY COMPARISON
Insitu 0.5g/t cutoff (original data) /Insitu 500ppb cutoff (new data)

Hole	Collar Elevation	From	To	Au	Thick.	Elevation From	To	Total Thickness	Au
ORIGINAL DATA									
DDH-15	182	24	24.5	2.55	0.5	165.3	165		
		25.5	25.8	1.1	0.3	164.3	164.1		
		26	26.3	1.7	0.3	163.9	163.8		
		26.5	26.8	0.6	0.3	163.6	163.4		
		27.3	31.3	14.21	4	163.1	160.3		
		31.8	32.3	4.1	0.5	159.9	159.6		
		32.8	33	21	0.3	159.2	159.1		
		33.8	34.3	4.6	0.5	158.6	158.2		
		34.5	36.3	114.7	1.8	158	156.8		
		36.5	37.5	9.27	1	156.6	156		
		37.8	38.5	4.17	0.8	155.8	155.3		
		39	40	1.6	1	154.9	154.2		
								11	25.75
RE-ASSAYS									
DH15	182	24	25	1430	1	165.3	164.6		
		26	37	9662	11	163.9	156.3		
		38	40	890	2	155.6	154.2		
								14	7821
ORIGINAL DATA									
DDH-16	182	23.3	23.5	1.2	0.3	160.9	160.7		
		32	32.5	1.4	0.5	153	152.5		
		34	35.5	3.24	1.5	151.2	149.8		
		36	36.5	1.37	0.5	149.4	148.9		
		38	38.5	1.37	0.5	147.6	147.1		
		41.5	42	2.06	0.5	144.4	143.9		
		43.5	44	1.72	0.5	142.6	142.1		
		52	53	1.63	1	134.9	134		
		63	64	1.26	1	124.9	124		
								6.3	1.92
RE-ASSAYS									
DH16	182							0	0
ORIGINAL DATA									
DDH-18	182	26.5	29	4.26	2.5	163.3	161.5		
		32.5	33	3.25	0.5	159	158.7		
		34	35	2.24	1	158	157.3		
								4	3.63
RE-ASSAYS									
DH18	182	50	51	1800	1	146.6	145.9		
								1	1800

makes representative sampling difficult if not impossible, and because this hole had coarse gold it was picked over rather heavily. Therefore a direct comparison of this hole is of questionable value with respect to grade.

Hole Nos. 16 and 18 are incomplete due to missing sample intervals.

Overall the results are very encouraging and substantiate Peter Ihlen's (1993) recommendation to standardise the drill hole sample lengths used at Kolsvik.

3.7 Kolsvik Project Rock Chip Data

During the 1996 field season 133 rock chip samples were collected from the Kolsvik area (Kolsvik Central, B-7, Kolsvik South and the East Claim Block).

Sample lengths varied from grab samples to 1m chip samples. 52 one meter samples were collected along the access road. The road provides good exposures over a small area. However, for the most part the road parallels the trend of the mineralisation. Sampling in the Kolsvik area is hampered to some degree by scree, thick moss and ground cover over those areas with projected mineralisation.

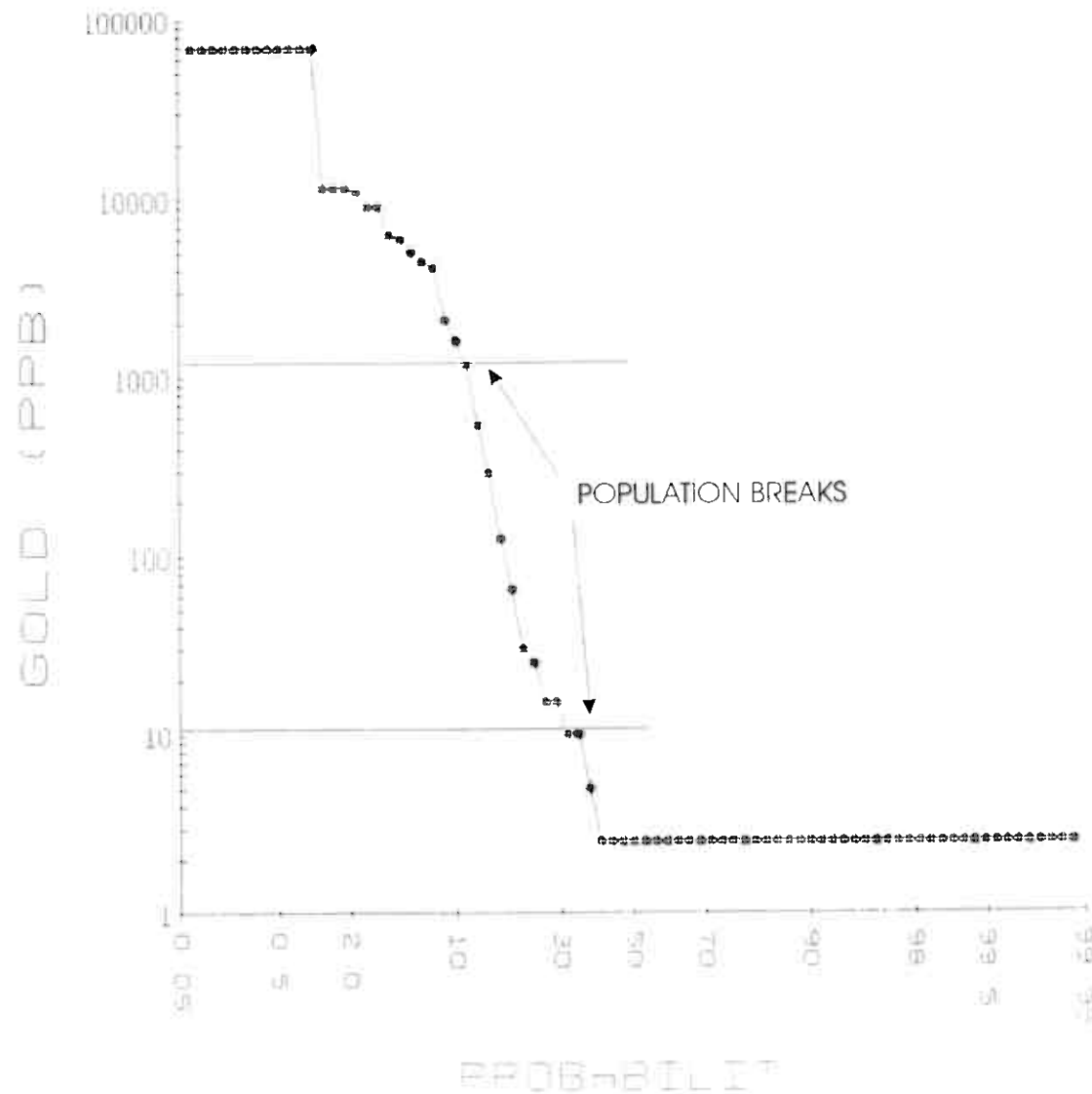
Gold values received from the rock chips ranged from a low of less than detection limit to a high of 68290ppb. The geometric mean is 11.7ppb with standard deviation is 12.8ppb. A statistical summary and cumulative probability for gold is presented in Figure 3-7. Breaks in the curve occur at 10ppb, 20ppb and again at the upper values (1000ppb).

When the rock samples are grouped by rank and percentile, 70% of the samples fall below 15 ppb Au and 75% of the samples fall below 20 ppb Au (Table 3.6). 15 ppb appears to be a low-end indicator of anomalous gold values in this area. Plate VGP-2 shows the locations of the samples with values greater than 15 ppb in the Kolsvik Central and B-7 areas. Figure 3-6 contains the locations of the samples outside of the Kolsvik Central/B-7 area.

3.7.1 Kolsvik Central-Area 1

A group of anomalous samples occurs at the northern end of the B zone. 1m chip samples collected from this area returned two samples with values of 1600 and 800 ppb Au. This site contains areas of strong silicification accompanied by arsenic mineralisation. A short adit excavated by previous owners provides good exposure to the main structure that is partially exposed by the road cut. A map of this working will be included in the geologic maps purchased from the NGU and Peter Ihlen. Several of the surrounding rock chips in this area also contained anomalous concentrations of As values (Plate VGP-3).

KOLSVIK ROCK DATA



Statistical Summary

Original number of samples	133
Samples removed by filter	0
Samples left after filtering	133
Samples greater than zero	133
Minimum sample value	2.500
Maximum value	68090.000
Mean	1076.286
Standard Deviation	6151.360
Standard Error of Mean	533.391
Median	34046.250
Geometric Mean	11.692
Geometric Standard Deviation	12.810
Skewness	9.888
Kurtosis	106.850
Sum of samples	143146.000
Sum of samples $\times$ (1.0)	143146.000

TABLE 3.6 SAMPLES CONTAINING ANOMALOUS AU IN KOLSVIK AREA

Percent	Sample	Au	Ag	As	Cu	Pb	Zn	Sb	Location
100.00%	5945	68090	13.7	10000	68	2600	7	380	Kolsvik Central
99.20%	5973	11450	0.2	10000	4	0.5	20	13	Kolsvik Central
98.40%	5863	10000	0.8	10000	2	2	5	51	B-7 Zone
97.70%	5948	9020	1	10000	7	64	45	32	Kolsvik Central
96.90%	5870	6260	1	10000	0.5	25	8	16	Kolsvik Central
96.20%	5969	5960	1.6	10000	5	105	50	19.5	Kolsvik Central
95.40%	5938	5050	0.1	7900	0.5	4	2	6.2	Kolsvik Central
94.60%	5947	4910	0.7	10000	9	45	25	44	Kolsvik Central
93.90%	5946	4440	0.9	10000	3	37	8	43	Kolsvik Central
93.10%	5974	4140	0.2	8000	30	6	72	5.4	Kolsvik Central
92.40%	5956	3050	0.1	1060	0.5	3	5	0.8	Kolsvik Central
91.60%	5968	2100	0.1	10000	2	4	4	13	Kolsvik Central
90.90%	5857	1600	0.7	10000	1	30	8	22	Kolsvik Central
90.10%	5932	1330	0.1	10000	3	4	8	11.5	Kolsvik Central
89.30%	5939	1170	0.2	9500	4	14	2	6.6	Kolsvik Central
88.60%	5861	800	0.1	10000	0.5	6	7	24	Kolsvik Central
87.80%	5975	540	0.1	2600	16	2	24	2	Kolsvik Central
87.10%	5942	475	0.1	6500	0.5	14	3	5.6	Kolsvik Central
86.30%	5940	405	0.1	10000	0.5	10	1	8.2	Kolsvik Central
85.60%	5941	290	0.1	2700	0.5	3	2	3	Kolsvik Central
84.80%	5818	160	0.3	2450	47	28	450	3	Kolsvik Central
84.00%	5817	125	0.1	1580	8	6	150	1.6	Kolsvik Central
83.30%	5943	115	0.1	4650	0.5	4	2	4.6	Kolsvik Central
82.50%	5865	70	0.1	1550	0.5	5	8	1.4	B-7 Zone
81.80%	5890	65	0.2	158	8	13	46	2.4	South Kolsvik
81.00%	5885	50	0.1	26	3	16	62	0.8	South Kolsvik
80.30%	5873	40	0.1	60	66	0.5	129	1.4	Kolsvik Central
78.70%	5828	30	0.1	2100	18	5	10	3	Kolsvik Central
78.70%	5892	30	0.1	20	1	10	10	0.6	South Kolsvik
76.50%	5816	25	0.1	500	5	6	200	0.4	Kolsvik Central
76.50%	5830	25	0.1	570	6	4	49	1.6	Kolsvik Central
76.50%	5944	25	0.1	1620	0.5	4	2	1.6	Kolsvik Central
75.00%	5871	20	0.1	100	4	17	96	0.8	South Kolsvik
75.00%	5889	20	0.2	56	24	46	80	2.2	South Kolsvik
69.60%	5811	15	0.1	1	140	2	76	0.4	Kolsvik Central
69.60%	5860	15	0.1	1420	0.5	0.5	2	1.4	Kolsvik Central
69.60%	5872	15	0.1	408	8	2	6	0.2	Kolsvik Central
69.60%	5949	15	0.1	120	0.5	6	7	1	Kolsvik Central
69.60%	5960	15	0.1	2	7	8	27	0.1	Kolsvik Central
69.60%	5972	15	0.1	4	90	0.5	55	0.1	Kolsvik Central
69.60%	5886	15	0.1	50	10	31	124	1.6	South Kolsvik

Area 1 has partially been tested by 6 short drill holes: DDH-31, 32, 33, 34, 35 and 43 (Table 3.7). However, some of these holes were directed to the east and would have been on the hanging wall of the B structure. Holes 32 and 35 which were not assayed originally by Falconbridge were assayed as part of VGP's re-assay program.

Table 3.7 Summary of Drill Intercepts in Area 1.

Hole No.	Interval	Assay
DH-31	7-8	1.17 g/t
DH-32	6-7	395ppb
	14-15	575
	16-17	3825
	25-26	305
DH-33	2-7 (5m assay)	.18 g/t
	9-15 (6m assay)	.27 g/t
DH-34	21-30 (19m assay)	16 g/t
DH-35	5-6	80ppb
	21-22	1240ppb
	25-26	175ppb
	45-46	165ppb
	67-68	165ppb
	68-69	230ppb
	93-94	200ppb
DH-43	20-21	.76g/t
	21-22	.75g/t
	22-23	1.32g/t

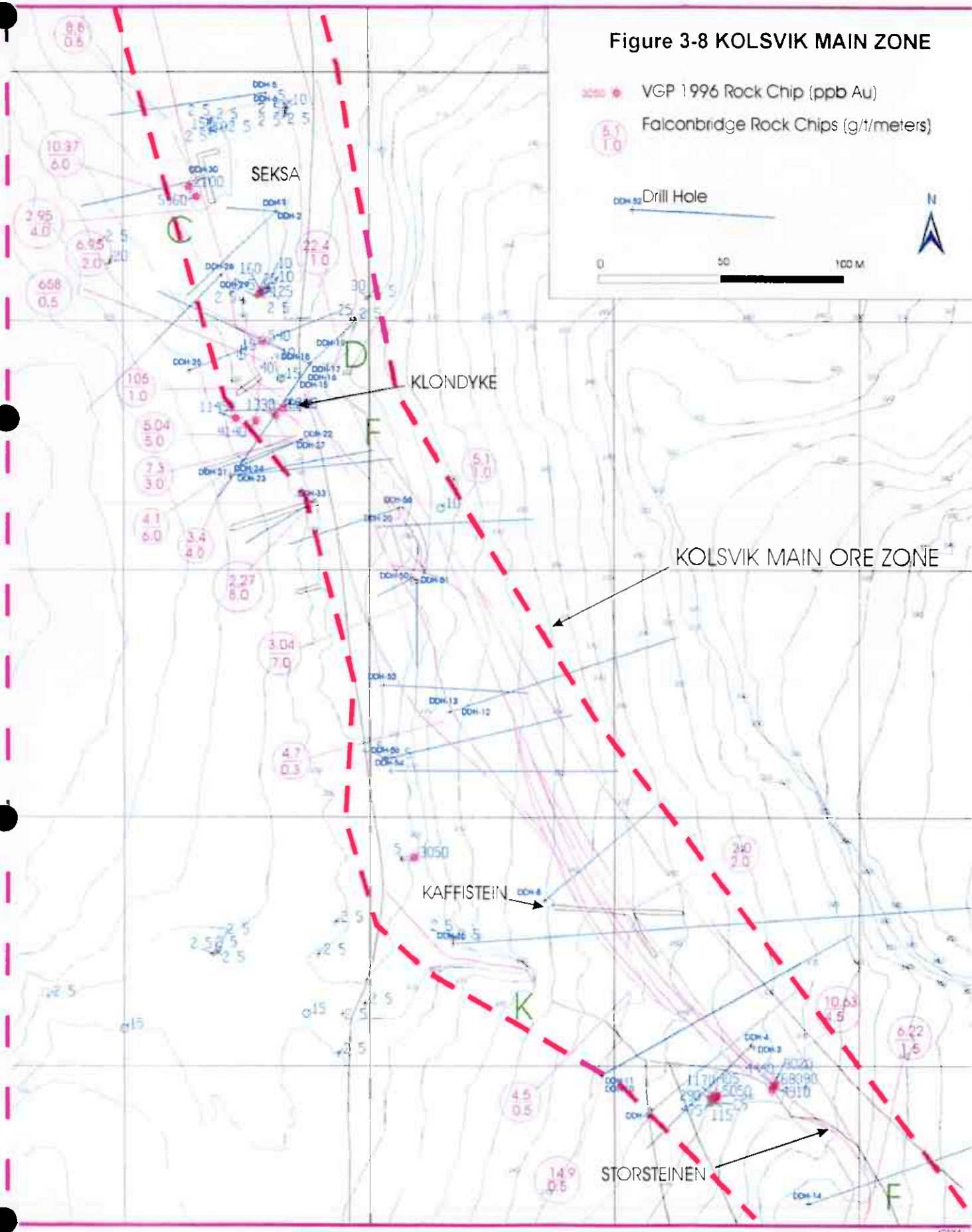
3.7.2 Kolsvik Central - (Main Zone from C- Zone to F-Zone)

Kolsvik Central is here defined as the main mineral trend that has been previously tested by both drill holes and adits. Most of this area has been sampled previously by Falconbridge and returned very high gold assay values. From the 1996 sampling along the C-Zone anomalous gold values ranged from 20 ppb to a high of 11450 ppb (Figure 3-8). Highest values occur over the Klondike area where several specimens of coarse visible gold has been located in the past (Ihlen, 1996 Personal Communication).

Anomalous samples collected by Falconbridge range from 2g/t over 2m to 658g/t over .5m (Plates VGP-6 and VGP-7).

At the southern most end of Kolsvik Central the K-Zone converges with the F-Zone (Figure 3-8). In this area VGP collected 1m chip samples across a broad area which all returned anomalous gold grades. Samples 5938 to 5948 were

VGP 1996 Rock Chip (ppb Au)
Falconbridge Rock Chips (g/t/meters)



collected across one structure. However, because of the topography in the area (steep wall plus a creek) it wasn't possible to collect a continuous series of samples. The table below lists the samples as they would layout from north to south across zone (Table 3.8). The mineralised structure measures a minimum of 22 m wide. If the two lowest values, which are at the southern end of the zone, are discarded there are 9 sampled meters averaging 10 g/t. If topography is included (eg.; presence of the creek and topography) that 10 g/t essentially is representative of approximately 20m. Further sampling with the use of explosives would be highly recommended to assist in collecting a complete series of samples from this zone.

Table 3.8 VGP Rock Chip Samples from Southern F-Zone.

Sample No.	Au (ppb)	Location	Sample Description
5945	68090	Kolsvik Central	collected from sil leucocratic granite first .5m is almost 90% fine asp strongly silicified-grades into milky quartz bx with vnltls of asp throughout
5946	4440	Kolsvik Central	"
5947	4910	Kolsvik Central	"
5948	9020	Kolsvik Central	"
5938	5050	Kolsvik Central	5938-43 1m chip samples across the southern F-zone (break at 5-6.7m)
5939	1170	Kolsvik Central	"
5940	405	Kolsvik Central	"
5941	290	Kolsvik Central	"
5942	475	Kolsvik Central	"
5943	115	Kolsvik Central	"
5944	25	Kolsvik Central	6.7-7.7m

Falconbridge samples from the same area contained 10.6 g/t over 4.5m. Other samples collected by Falconbridge along the same structure include 14.9g/t over .5m and 6.22g/t over 1.5m above the Storsteinen adit (Figure 3-8 and VGP-6).

3.7.3 B-7 Zone

B-7 is a zone which parallels the main zone. A granitic exposure is cut by narrow milky quartz veinlets with fine disseminated arsenopyrite. It has not been tested by drilling. Previous sampling (NGU) returned a value (1200 g/t) from one outcrop along the structure. VGP's 1996 sampling included three samples from what we believed was the same outcrop (Table 3.9). Surface exploration of the B-7 zone is difficult because of the amount of scree cover over this area. There is possibly an east-west structure which strongly influences this mineralisation as well as the K-Zone.

Additional sampling and mapping is planned for the 1997 field season to further evaluate the extent of the mineralisation. Three drill holes have also been scheduled in the 1997 drill program.

Table 3.9 B-7 Zone Rock Chip Samples.

Sample No.	Au (ppb)	Location	Sample Description
5863	100000	B-7 Zone	20cm wide vein with diss asp
5865	70	B-7 Zone	below vein with loc. hairline asp

3.7.4 South Kolsvik

As the name implies south Kolsvik is all that area falling south of Central Kolsvik (anything south of the K-Zone). There are two reported gold occurrences in this area. One the occurrences is located on the north slope of Okstind and is difficult to access. During the 1996 fall helicopter reconnaissance program bad weather prevented efforts to locate this gold occurrence. Sample values from the South Kolsvik area are located on Figure 3-9.

At the upper reaches of the Bogelva valley VGP located a wide strongly oxidised structure partially exposed through a year around ice pack. VGP collected 11 rock chip samples across the structure. Two of the samples contained anomalous gold (Table 3.10).

Table 3.10 South Kolsvik Gold Anomaly

Sample No.	Au (ppb)	Location	Sample Description
5885	50	South Kolsvik	end of the Kolsvik valley major trend is 165 dipping 60 to east
5890	65	South Kolsvik	5883-5893 1m chip samples collected from south end of Kolsvik

Although these are obviously low values they are anomalous and occur in a broad structure occupying the southern end of the Kolsvik valley almost 4.5 km south of the Central Kolsvik mineralisation. Further sampling and mapping in this area is strongly recommended to further evaluate this structure.

3.7.5 East Claim Block

VGP applied for six claims over an area east of the Kolsvik deposit based on reported gold occurrence in that area. Reconnaissance of the east claim block during the fall helicopter program failed to located any altered exposures or

mineralised structures. None of the samples collected from this area contained anomalous gold or pathfinder elements (Figure3-9).

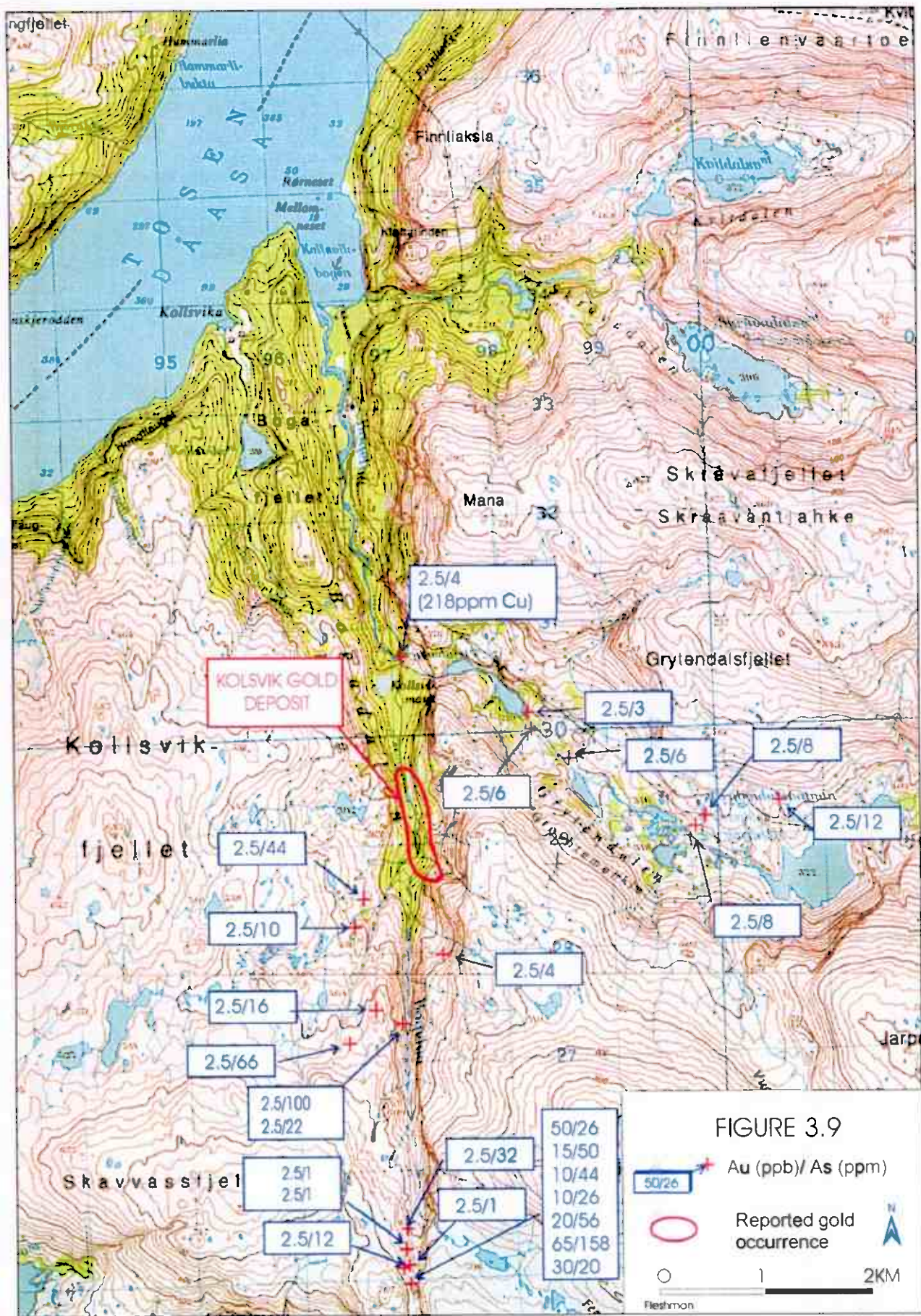
3.7.6 NGU Rock Chip Data

VGP received a copy of the NGU geochemical data on 24 April for 104 rock samples which VGP agreed to purchase for a cost of 8,000 kr. The data was delivered in Excel 7.0 format as well as on hard copy (Appendix 10). UTM coordinates are included with the data set for each sample site. Sample locations for the NGU rock samples are shown on Plate: VGP-9.

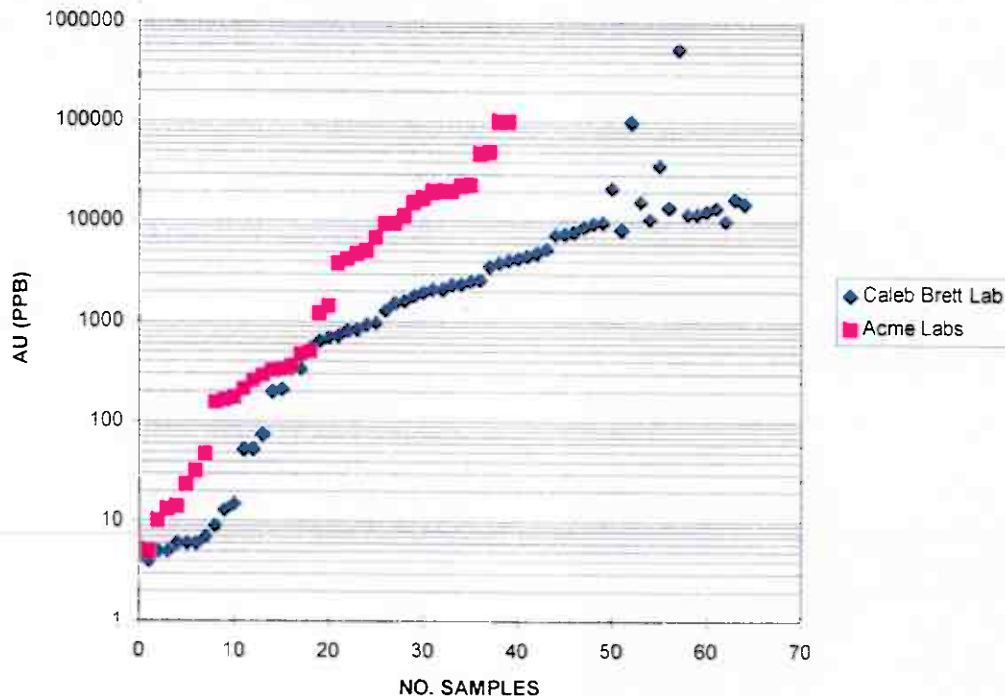
The NGU samples were analysed at two laboratories Caleb Brett Int (samples No. 0056.01-65) and ACME Anal Labs (No. 0066-104). In addition to gold analysis a suite of trace elements was also analysed using ICP and XRF.

The Caleb Brett samples ranged from 4 ppb to >10,000 ppb Au. 54 of the 65 samples had values greater than 50 ppb Au. 16 of these samples had reported values greater than 10,000 ppb. 15 of those samples in excess of 10,000 ppb were re-assayed at ACME. The re-assayed values ranged from 8,310 to a high of 535,000ppb Au.

The second laboratory report is from ACME labs. 39 samples were analysed at ACME. This group had gold values ranging from 5 ppb to 99,000ppb. Only 8 samples fell below 50ppb Au. A graphical comparison of the data is shown below. Plate VGP-10 contains a plot of the NGU rock chip data showing Au(ppb).



NGU ROCK SAMPLE DATA



3.8 Kolsvik Mineral Resources

Falconbridge calculated a resource of 2 million tonnes in the F to C zone over a distance of approximately 550m, the area with the highest density of drilling (Table 3.11). Falconbridge estimated the deposit depth at a minimum of 230m based on drill core sections within the main zone. Because of the nugget effect, Falconbridge based its estimate of the contained gold grade on bulk samples with values ranging from 5 to 10 g/t.

A very conservative approach was taken by NGU geologists who estimated the deposit to contain 880,000 tonnes. The NGU figures were based on projecting the deposit to a depth of only 100 m compared with the 230 m indicated by the Falconbridge site work. NGU also used a conservative 1m as the average width of mineralised ore veins which range from 1 to 3m with some individual veins being much larger.

Table 3.11 Previous Tonnage Estimates.

Source	Area	Tonnes (m)	Grade Au (g/t)
Falconbridge	F-C	2.0 million	5 to 10
NGU	B and B1	79,800	
	C	79,800	
	D-extension	99,750	
	F1 and D	124,190	
	F2	61,180	
	F4	90,270	
	F5	60,720	
	F8	33,080	
	F10	58,530	
	F11	48,240	
	F8-10-11 -ext	79,750	
	K	31,860	
	K-extension	17,870	
	TOTAL	882,550	

Assuming the NGU model a potential tonnage breakdown is shown in table 3.12.

Table 3.12 Tonnage Reconciliation.

Area	Tonnes	Comments
0 to 100 m (1 m wide)	880,000	
100 to 200 m	880,000	down dip extension
0 to 100 m (+0.5m)	440,000	increase width to that noted by Falconbridge
100 to 200 m (+0.5m)	440,000	increase width to that noted by Falconbridge (down dip extension)
TOTAL	2,640,000	

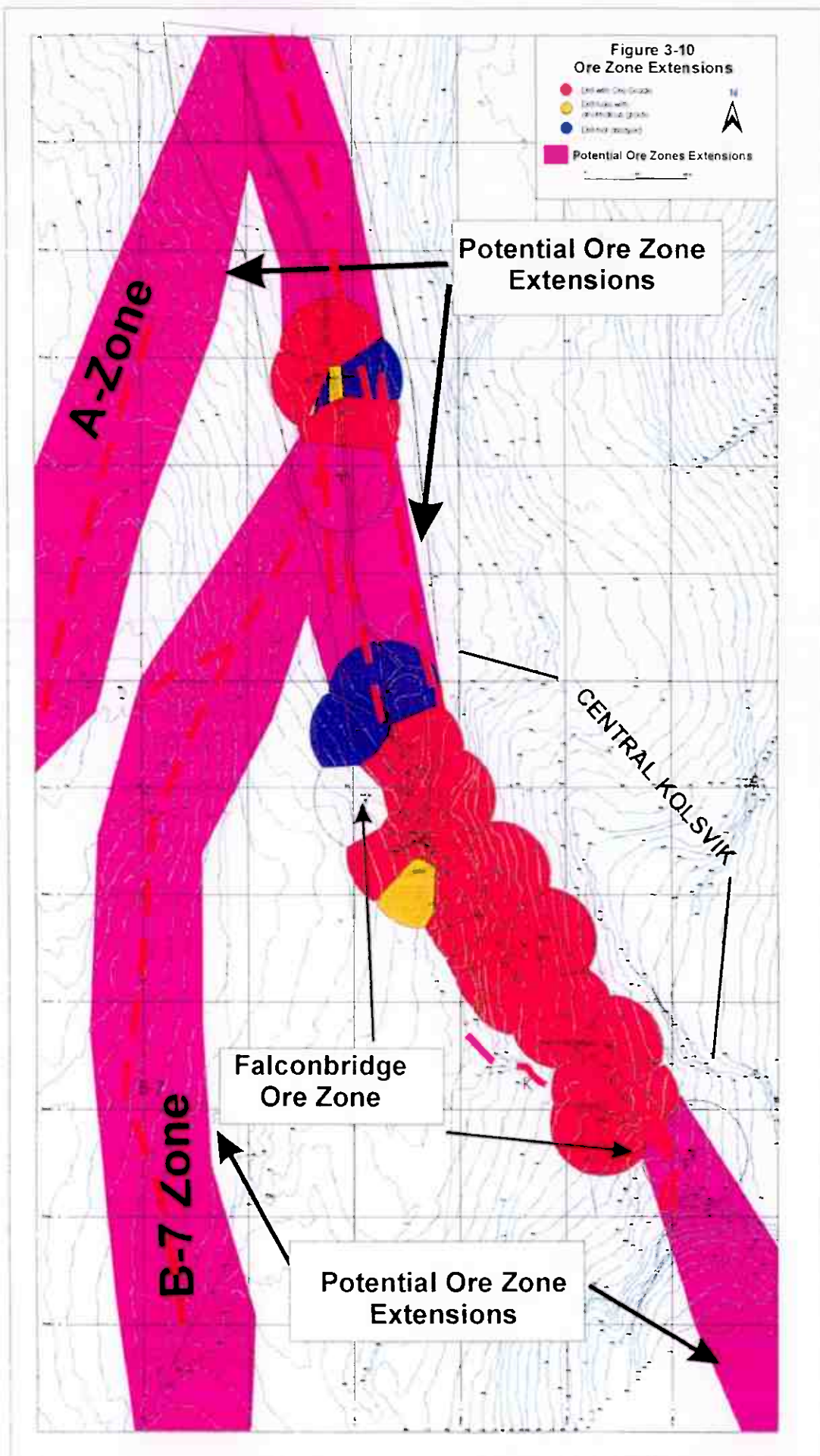
NGU's calculations included "ore zones" B and B1, D-extension, K and K-extension totalling 222,980 which apparently were not included in the original Falconbridge calculations.

There is excellent potential for increasing the total tonnage of the deposit. Estimates from Falconbridge of 2 million tonnes (460,000 oz) were made over the main ore zone or a distance of 550m. Currently the most favourable areas for adding tonnage to the known resource of the Kolsvik deposit are along strike

both north and south of the main zone (Figure 3-10). Drilling between area B and C to date has been lacking mainly because of limited outcrop exposures in that area to help guide the drilling. However, if similar projections were made along strike for a further 800m a possible additional tonnage of 2.8 million tonnes (900,000 oz) could be expected. Similarly, if the main ore zone is projected for only 450 metres in a southerly direction from area F and allowing for the possible pinching of mineralised structures, an additional 450,000 tonnes (145,000 oz) might be added in the Extension 2 area.

Exploration potential also exists further along strike both north and south of the deposit for upwards of 2 to 3 km. In addition, NGU also reports other "ore zones" existing peripheral to the KRFZ structure. These are the A1, A2-, B8-, B7- and E-zone. The structures appear to be splay systems within 500m of the main zone. These structures add a minimum of an additional 1.5 km of highly prospective ground capable of increasing the total resource of the Kolsvik deposit.

When the extensions of the known mineralisation are considered with these untested structures it becomes apparent that the Kolsvik deposit is capable of containing a resource in excess of 1 million ounces of gold.



4.0 REPPEN PROSPECT

4. 0 Reppen Prospect

4.1 Summary

Reppen is a gold/arsenopyrite prospect hosted by a milky quartz breccia occurring along a high angle fault. Samples collected by VGP during the 1996 field program and by previous workers (Falconbridge) indicate that Reppen is a viable gold target and justifies further exploration. Although the mineralisation has many similarities to Kolsvik such as the Au/As association there appears to be the added potential of favourable host environments within the surrounding limestone which could represent replacement epithermal mineralisation targets.

Falconbridge investigated gold occurrences at Reppen in the early eighties. From its surface and diamond core drilling Falconbridge placed the geologic resource for the Reppen property at 800,000 tonnes. Gold grades were estimated to be in the range of 5-7 g/t based on several large samples collected from surface structures having widths of 4-5m. Earlier prospecting activity indicated a similar range of gold values (5- 10 g/t).

Estimates by Falconbridge failed to consider the potential resource contained in the surrounding carbonate rocks. The initial resource estimate by Falconbridge was made using a Kolsvik type of model which only partially fits the Reppen geological setting.

During the 1996 program 40 rock chip samples were collected and analysed for gold and a suite of pathfinder elements (Ag, As, Cu, Pb, Zn, W, Sb and Bi) at Chemex Laboratory in Canada. Sample descriptions, locations and analysis are present in Appendix 3. Anomalous gold values ranged from 10ppb to a high of 5430 ppb.

4.2 Location

Reppen is located approximately 15km NE of Terråk and 6km west of the Kolsvik deposit (Figure 2-1). Access to the prospect is difficult at present with no track or trails leading from the fjord to the site. Falconbridge's development plans included a road from Kolsvik to Reppen. A trail or track from Terråk is shown on the Terråk 1:50 000 topographic map (1825 III). The track ends approximately 6km south of the site. The Bindal Kommune has discussed constructing a road from Terråk to Kolsvik to service the Kolsvik power station which is one of Norway's largest power producers. The road would pass close to Reppen. Its not known how serious construction of this road is being considered at this time. At the present workers at the power station are ferried daily across the fjord. The cost for the 10 minute crossing is 500,000 kr/yr. Prior to the helicopter program in October we accessed the site on foot after landing a small boat in a sheltered bay (Reppholet) along the Tosenfjord and then hiking up the wall of the fjord.

Reppen prospect is located approximately 325 to 330m above sea level in fairly moderate terrain compared to Kolsvik. The site is drained by two small creeks that eventually enter a main NE trending stream that flows into Reppen Lake. The eastern most creek locally disappears as the water flows across limestone bedrock into underground voids.

4.3 Geology

Gold mineralisation is hosted by altered quartz rich granitic rocks which locally appears as a milky quartz breccia within a major north-south trending fault zone. Arsenopyrite occurs through out the reef. Locally the arsenopyrite is found as coarse blebs elsewhere the arsenopyrite is fine grained within a silicified matrix. Locally the coarse arsenopyrite accounts for up to 90% of the reef system (ie sample 5920 with 1480 ppb Au and >1000ppm As).

The fault zone occurs at the contact zone between the Bindal granite and the surrounding limestone and gneissic rocks. Falconbridge mapped this area in 1983 (Figure 4-1). The host granite is intruded into banded gneiss, micaceous gneiss, marble and earlier granitic rocks. The structures may have also controlled the emplacement of the principal host rock.

The quartz system extends for approximately 2km along a north south strike and dips 30° - 40° to the east. The highly resistant exposures crop out along the ridge and in small prospect pits.

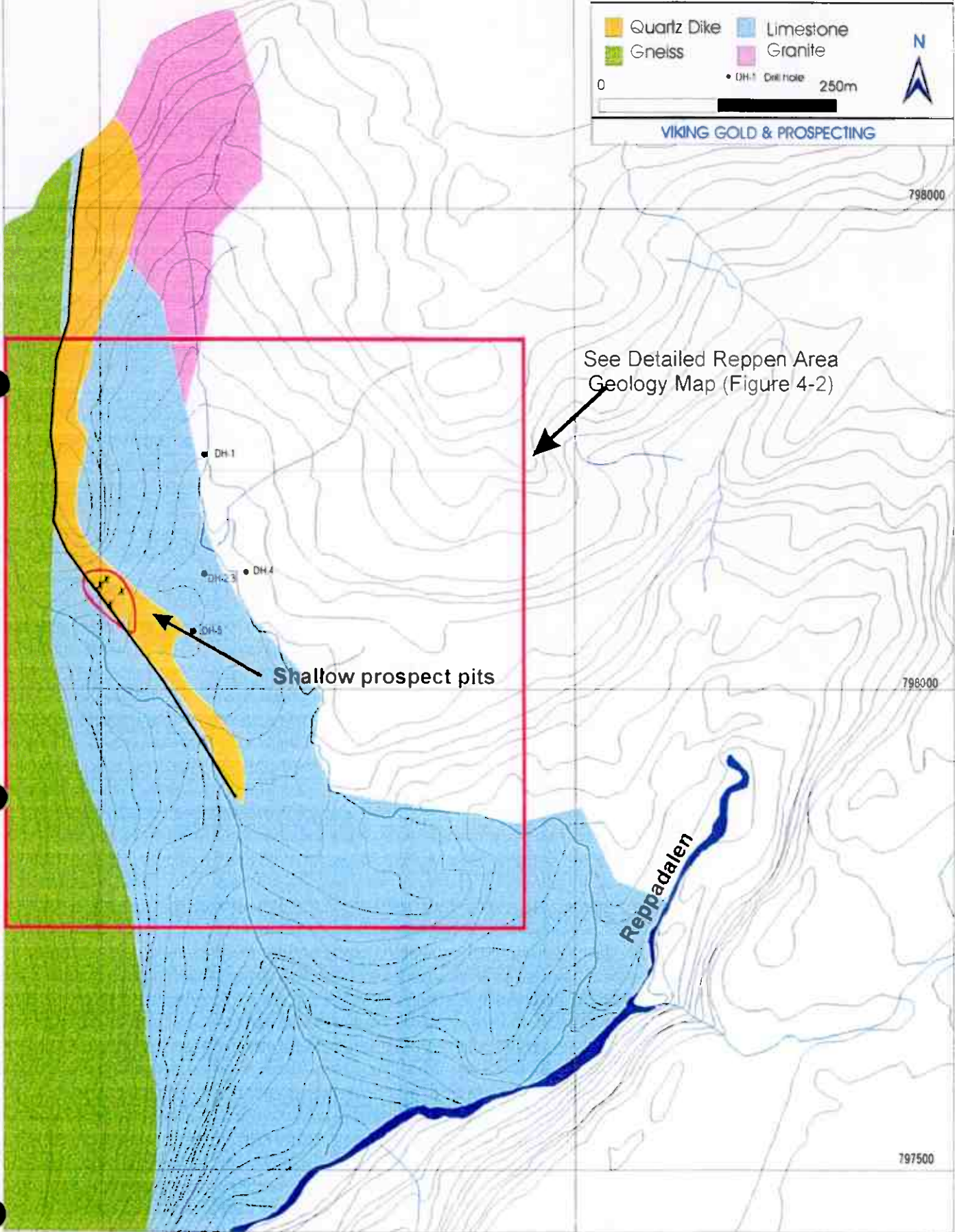
4.4 History

Gold at Reppen was reported to have been discovered around 1900, however there is limited evidence of this early prospecting. Historical workings consist of three small excavations along the main reef and a couple of shallow pits dug into isolated exposures of quartz breccia with very high concentrations of arsenopyrite (Figure 4-2). Above Reppenavtnet (Reppen Lake) is the remanet of an old structure which is probably the remains of the building featured in an old photograph in Terråk with the caption which reads when interpreted something close to "... gold miners at work in Reppen".

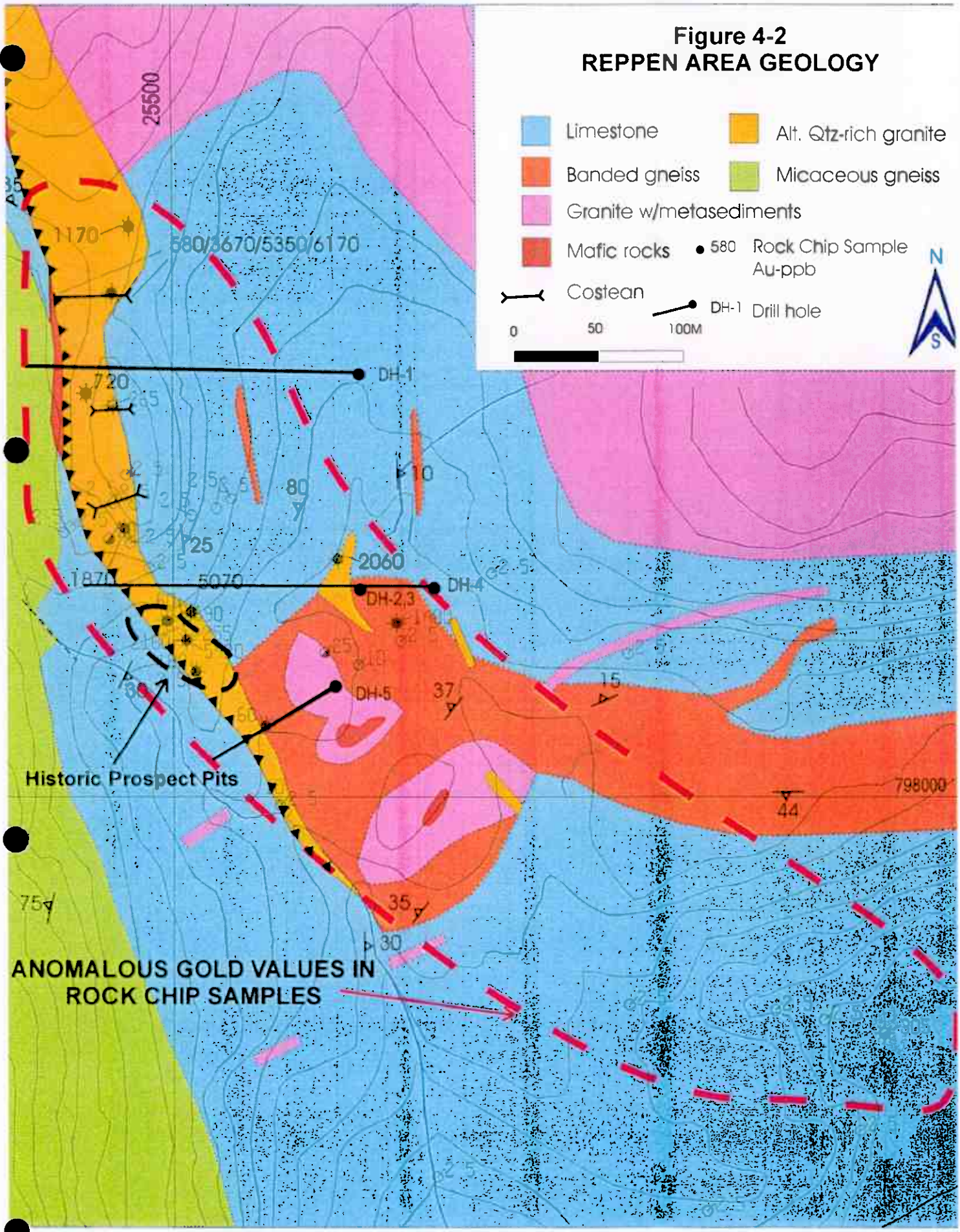
Recent work has mainly consisted of exploration conducted by Falconbridge. Starting in 1979 through 1983 Falconbridge collected surface samples, produced a geologic map of the area, drilled 500m of core and conducted a magnetic survey over part of the area.

Falconbridge's 1983 geochemical sampling consisted of large 35kg rock samples collected from the quartz reef (Figure 4-2). Table 4.1 lists the analysis for these samples. Some of these samples were collected from very shallow costeans (<.25m). The costeans were excavated perpendicular to the strike of

Figure 4-1
Geology of the Reppen Area



**Figure 4-2
REPPEN AREA GEOLOGY**



the quartz reef, however because of the attitude of the quartz reef, these costean samples were collected on the trace of the down dip surface and not perpendicular to the dip. These analysis should be considered bulk samples rather than tests of grade variation across the reef.

Table 4.1 Rock Chip Samples from Falconbridge Exploration -1983.

Sample No.	Comment	Grade g/t Au
1/83	2m outcrop sample	1.17
2/83	2m trench sample	0.58
3/83	2m trench sample	3.67
4/83	2m trench sample	5.35
5/83	2m trench sample	6.17
6/83	2m trench sample	11.59
8/83	grab sample	1.87
9/83	4m dump sample	5.07
10/83	grab sample	2.06

The 500m of core drilled by Falconbridge was split between 5 diamond core holes angled to intersect the relatively flat dipping structural zone. Gold and arsenopyrite were found in all holes with the highest grade intersection in hole DDH-3 of 27 g/t Au over a 1m sample interval.

A skarn zone which represents a second potential target for hosting gold mineralisation was also discovered during the drilling. The skarn is located stratigraphical below the structurally controlled gold mineralisation. Falconbridge traced the skarn zone for a minimum strike length of 250 to 300m using surface geophysical methods. Mineralisation within the skarn includes garnet, pyroxene, pyrrhotite, scheelite and gold.

4.5 1996 Reconnaissance

3 days (9 man days) were spent collecting reconnaissance samples at the Reppen prospect during the October helicopter program. During this period 40 rock chip samples were collected, the shallow excavations were mapped, the previous drill holes were located and surveyed in with Brunton and tape and a brief reconnaissance of the area was made for additional mineralisation.

The crew during this period consisted of Bill and Kathy Fleshman for 3 days. Boye Flood's crew assisted on the last day of the helicopter program. Their crew was made up of Trond Blomlie (geologist) and Jannecke Bugge (field assistant). In addition Boye Flood and Henning Fanngel assisted for half a day by locating Falconbridge's previous drill holes.

4.5.1 Geochemical Test Results

40 rock chip samples were collected over a 3 day period (Figure 4-3). Each sample weighed approximately 2.5kg. A metal tag with the sample number was left at each sample site for future reference. Samples were shipped to Chemex labs in Vancouver where they underwent sample preparation and analysis.

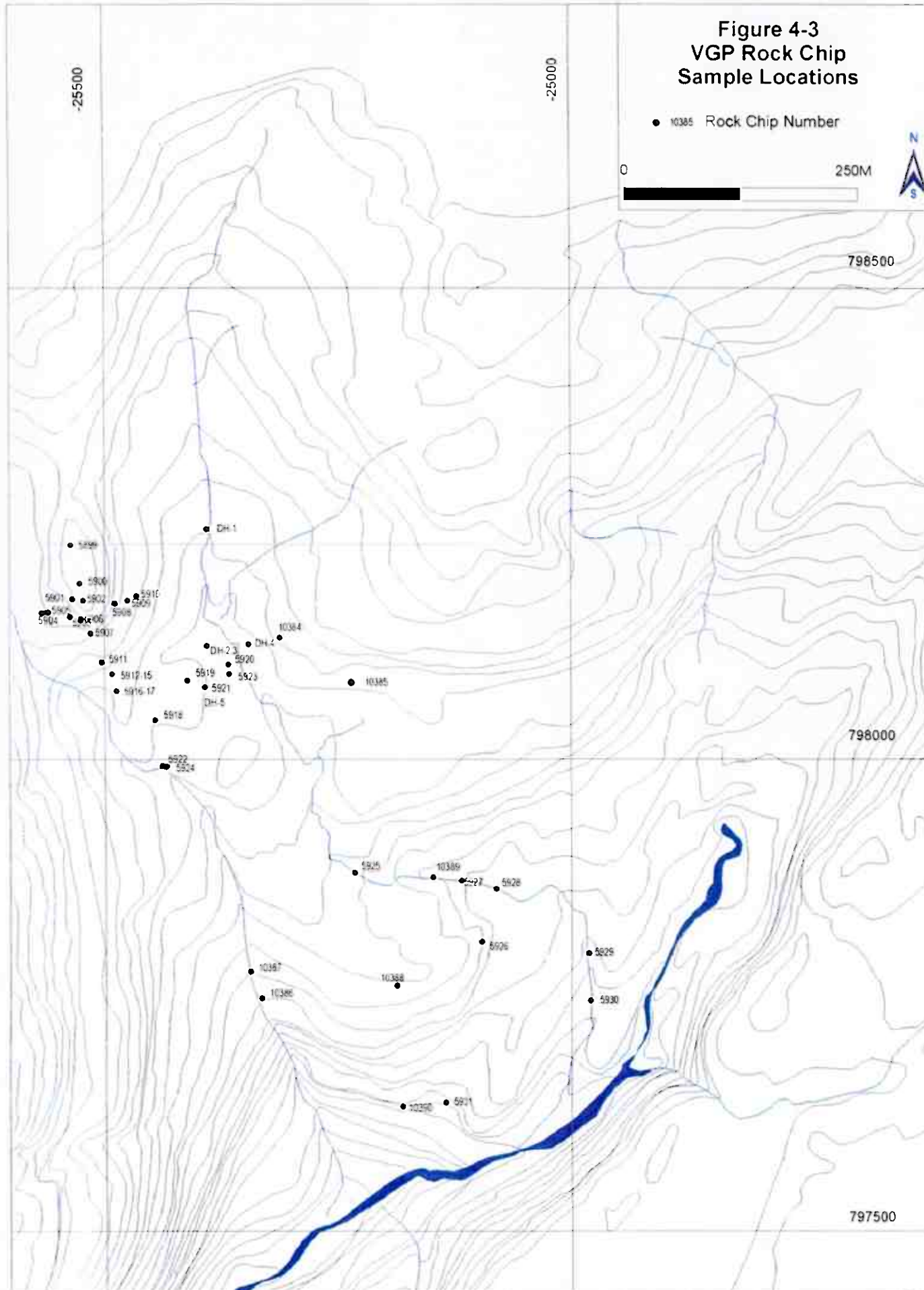
Gold values ranged from below detection limit (5 ppb) to a high of 5430 ppb. Samples below the detection limit were multiplied by .5 to arrive at a number which could be used for in statistical calculations. A total of 66% of the samples fell below 10ppb. A noticeable break in the cumulative frequency curves occurs at 10ppb and again at approximately 110ppb possibly representing statistical breaks in the mineralised population (Figure 4-4). Samples presented in Table 4.2 contain samples with assays (>10ppb Au). Appendix 3 contains a list of all of the analysis for samples collected at Reppen during 1996.

Table 4.2. Au Percentile Comparison to Other Elements.

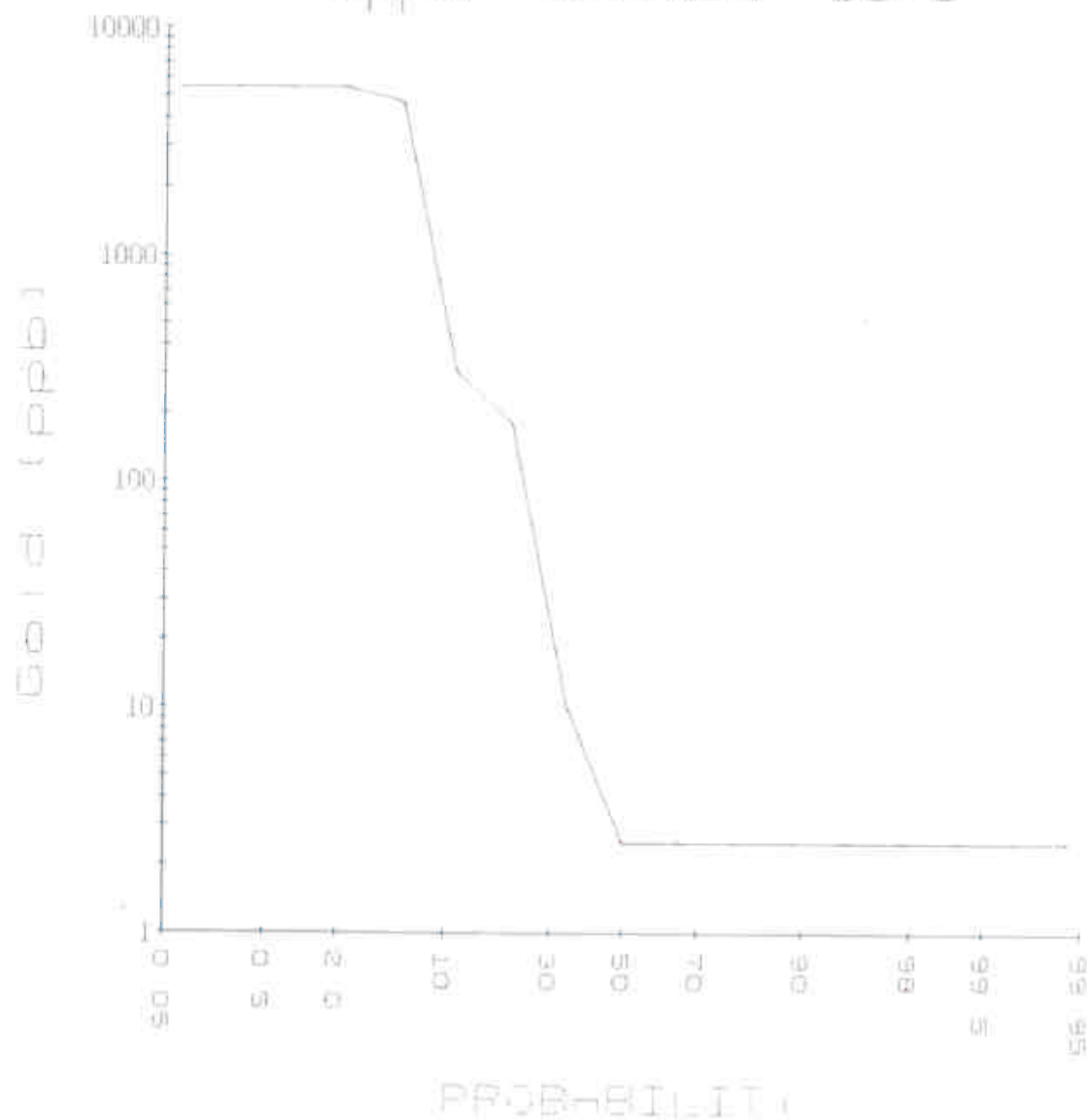
Sample NO.	Au (ppb)	Au Percent	Ag (ppm)	As (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)	Sb (ppm)
5914	5430	100.00%	0.4	10000	10	11	6	59
5911	4690	97.40%	0.7	10000	29	25	4	105
5913	2160	94.80%	0.5	10000	46	0.5	2	20
5920	1480	92.30%	0.6	10000	14	60	8	68
5928	305	89.70%	0.1	2	13	2	42	0.1
5899	265	87.10%	0.2	10000	10	12	4	26
5912	255	84.60%	0.1	5900	35	0.5	3	11
5916	180	82.00%	0.1	4500	4	1	1	9
5915	60	76.90%	0.1	3200	4	0.5	2	6.4
5918	60	76.90%	0.1	3850	3	4	2	8.8
5903	30	74.30%	0.1	3700	13	0.5	2	7.6
5919	25	71.70%	0.1	2050	8	1	10	3.6
5921	10	66.60%	0.1	2350	11	5	6	7.4
5924	10	66.60%	0.1	5600	14	92	4	40

In addition to containing anomalous concentrations of gold the samples also contain anomalous amounts of As and Sb. Table 4.2 compares those samples containing Au values above the 66 percentile with As and Sb. Table 4.3 compares the anomalous As values to Au and Sb. Table 4.3 contains the same samples with the exception that sample No. 5928 is not present in this group and it contains the additional sample 5906. Table 4.4 is a similar comparison of Au to Sb. The anomalous Sb samples also are lacking sample No. 5928 but contains the additional sample No. 10389.

**Figure 4-3
VGP Rock Chip
Sample Locations**



Reppan Geochem Data



Statistical Summary

Original number of samples	40
Samples removed by filter	0
Samples left after filtering	40
Samples greater than zero	40
Minimum sample value	2500
Maximum value	5430.000
Mean	375.625
Standard Deviation	1165.344
Standard Error of Mean	184.257
Median	2716.250
Geometric Mean	11.388
Geometric Standard Deviation	11.764
Skewness	7.383
Kurtosis	14.061
Sum of samples	15025.000
Sum of samples / 40.0	15025.000

These elements are graphically compared on Log:Log scatter diagrams (Figures 4-5 to 4-7). The close correlation of Au to As is apparent in Figure 4-5. The same is true of Au to Sb graph, although the relationship occurs at lower levels and it could possibly be more susceptible to lab variations. Figure 4-7 places both As and Sb on one axis to graphically depict this relationship.

Table 4.3 As Percentile Comparison to Other Elements.

Sample NO.	As (ppm)	As Percent	Au (ppb)	Ag (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)	Sb (ppm)
5899	10000	89.70%	265	0.2	10	12	4	26
5911	10000	89.70%	4690	0.7	29	25	4	105
5913	10000	89.70%	2160	0.5	46	0.5	2	20
5914	10000	89.70%	5430	0.4	10	11	6	59
5920	10000	89.70%	1480	0.6	14	60	8	68
5912	5900	87.10%	255	0.1	35	0.5	3	11
5924	5600	84.60%	10	0.1	14	92	4	40
5916	4500	82.00%	180	0.1	4	1	1	9
5918	3850	79.40%	60	0.1	3	4	2	8.8
5903	3700	76.90%	30	0.1	13	0.5	2	7.6
5915	3200	74.30%	60	0.1	4	0.5	2	6.4
5921	2350	71.70%	10	0.1	11	5	6	7.4
5919	2050	69.20%	25	0.1	8	1	10	3.6
5906	1010	66.60%	2.5	0.1	4	3	8	1.6

Table 4.4 Sb Percentile Comparison to Other Elements.

Sample NO.	Sb (ppm)	Sb Percent	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)
5911	105	100.00%	4690	0.7	10000	29	25	4
5920	68	97.40%	1480	0.6	10000	14	60	8
5914	59	94.80%	5430	0.4	10000	10	11	6
5924	40	92.30%	10	0.1	5600	14	92	4
5899	26	89.70%	265	0.2	10000	10	12	4
5913	20	87.10%	2160	0.5	10000	46	0.5	2
5912	11	84.60%	255	0.1	5900	35	0.5	3
5916	9	82.00%	180	0.1	4500	4	1	1
5918	8.8	79.40%	60	0.1	3850	3	4	2
5903	7.6	76.90%	30	0.1	3700	13	0.5	2
5921	7.4	74.30%	10	0.1	2350	11	5	6
5915	6.4	71.70%	60	0.1	3200	4	0.5	2
5919	3.6	69.20%	25	0.1	2050	8	1	10
10389	3.2	66.60%	2.5	0.1	218	10	0.5	39

Future sampling could be limited to Au and As but there is also merit for including Sb.

Figure 4-5 Reppen Area Au/As

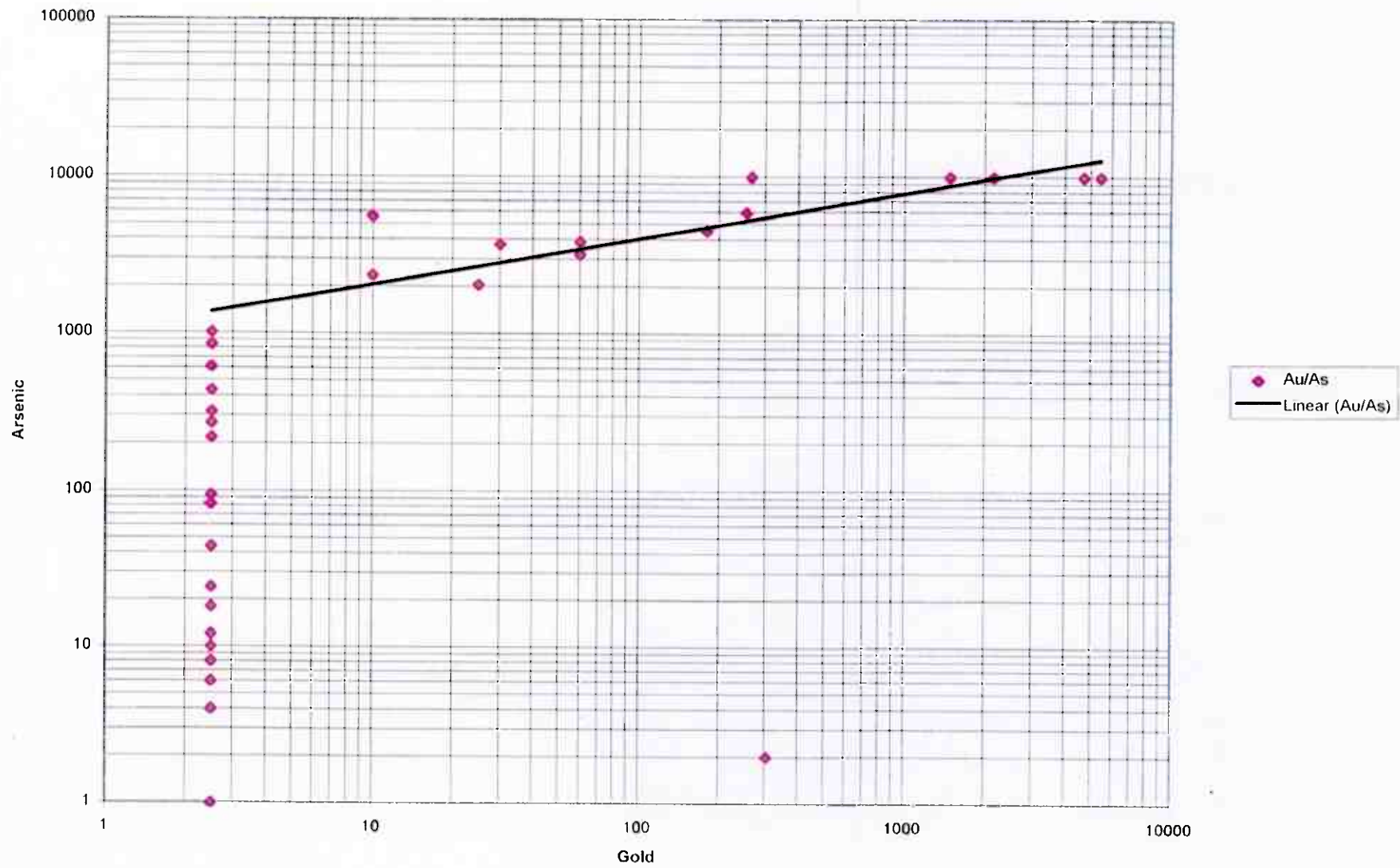


Figure 4-6 Au/Sb

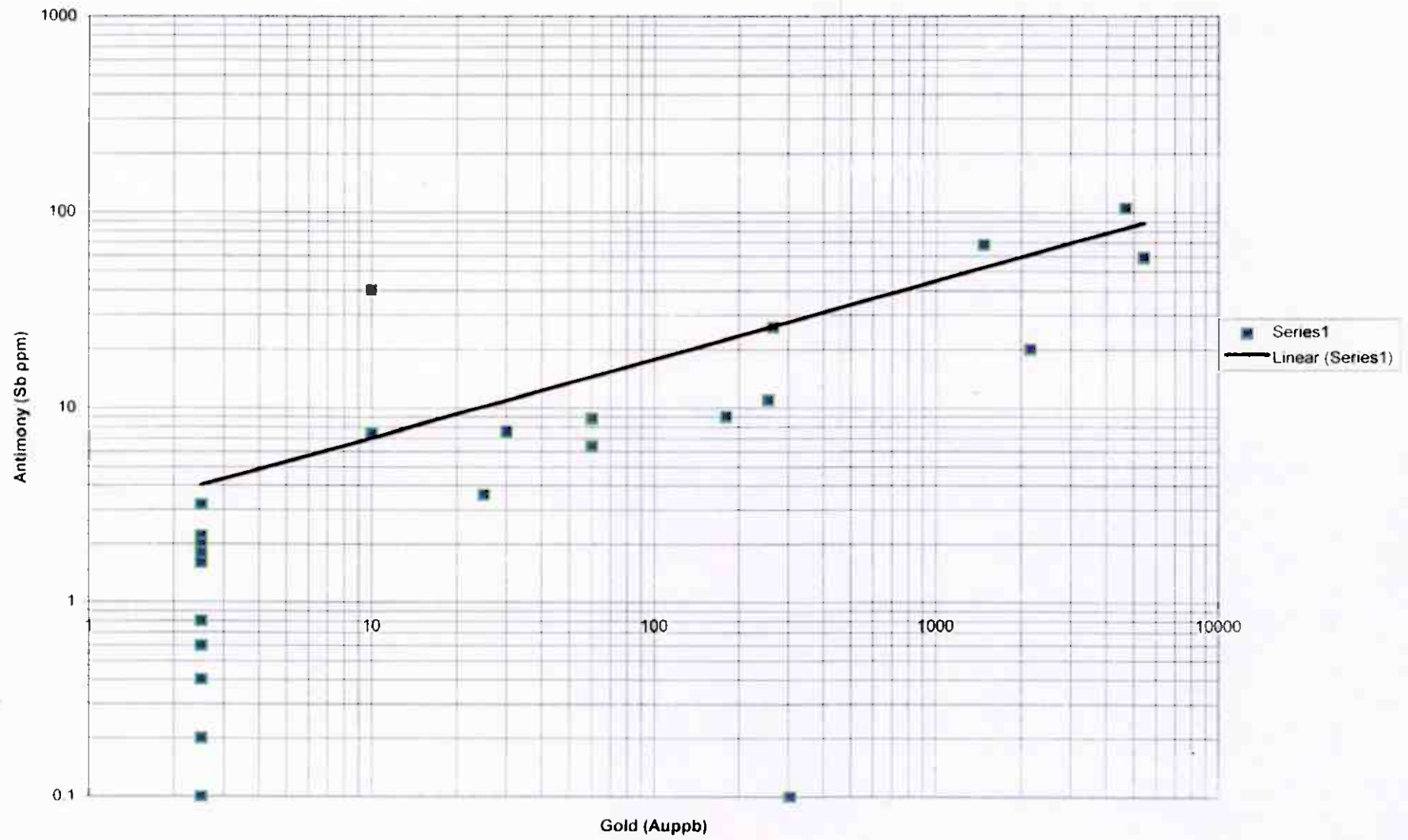
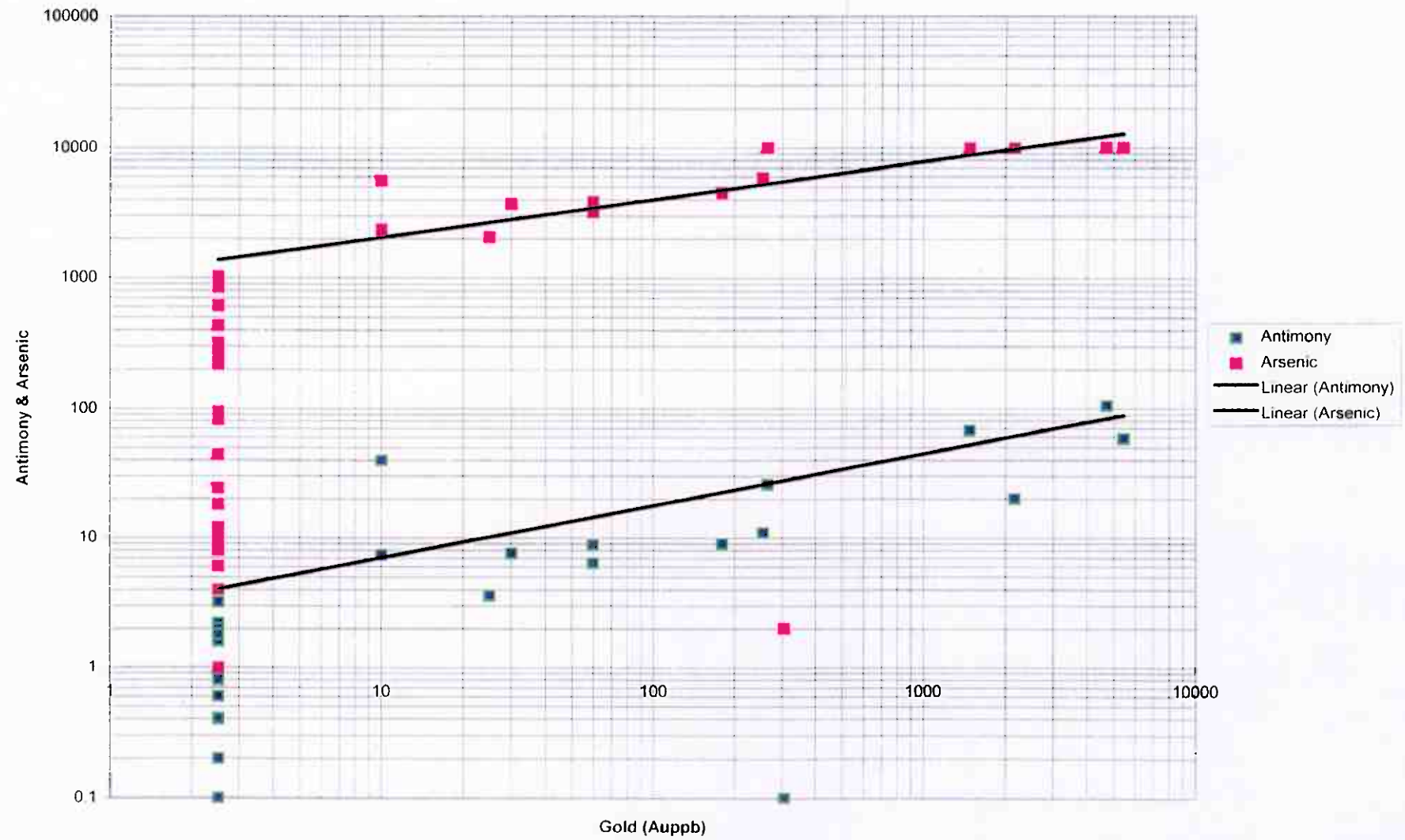


Figure 4-7 Reppen As & Sb to Au



The area of anomalous gold samples occurs in a broad northwest trending band that roughly follows the projection of the quartz breccia (Figure 4-8). Almost all of the anomalous gold samples are associated with the quartz breccia with visible arsenopyrite mineralisation. The exception is sample No 5928 (305 ppb Au). This sample was collected during a traverse of one of the small creeks which drains the Reppen area. The sample was collected from a silicified limestone outcrop with traces of finely disseminated sulfides associated with a 1cm quartz vein cutting the outcrop.

An arsenic anomaly also follows the gold trend although slightly broader (Figure 4-9). Samples 10387 and 10389 contain anomalous concentrations of As with 268 and 218ppm respectively. Sample 10389 also contains slightly elevated Sb (3.20ppm) (Figure 4-10).

Highest gold values received from 1996 sampling were associated with three shallow prospect pits located on the narrow north-south ridge cutting the prospect. These pits are quite small measuring only a .5 to 1.5m in depth and have been blasted into the massive quartz breccia reefs locally containing abundant arsenopyrite (Figure 4-11). The ground cover vegetation has quite possibly covered other prospect pits. Two of the higher gold values (5430ppm and 2160ppb) are associated with shallow dipping structures which cut the reef.

4.6 Possible Models for Reppen

Based on the surface mapping and geochemical sampling and drill logs a possible model for the Reppen prospect is presented in Figure 4-12. A shallow dipping quartz breccia zone occurring along a high angle structure could represent a silica cap in the upper levels of a hydrothermal system. The fact that this cap lies above a reactive limestone host rock increases the favourability of the Reppen Area. For comparative purposes a copy of the classical epithermal model is presented in Figure 4-13.

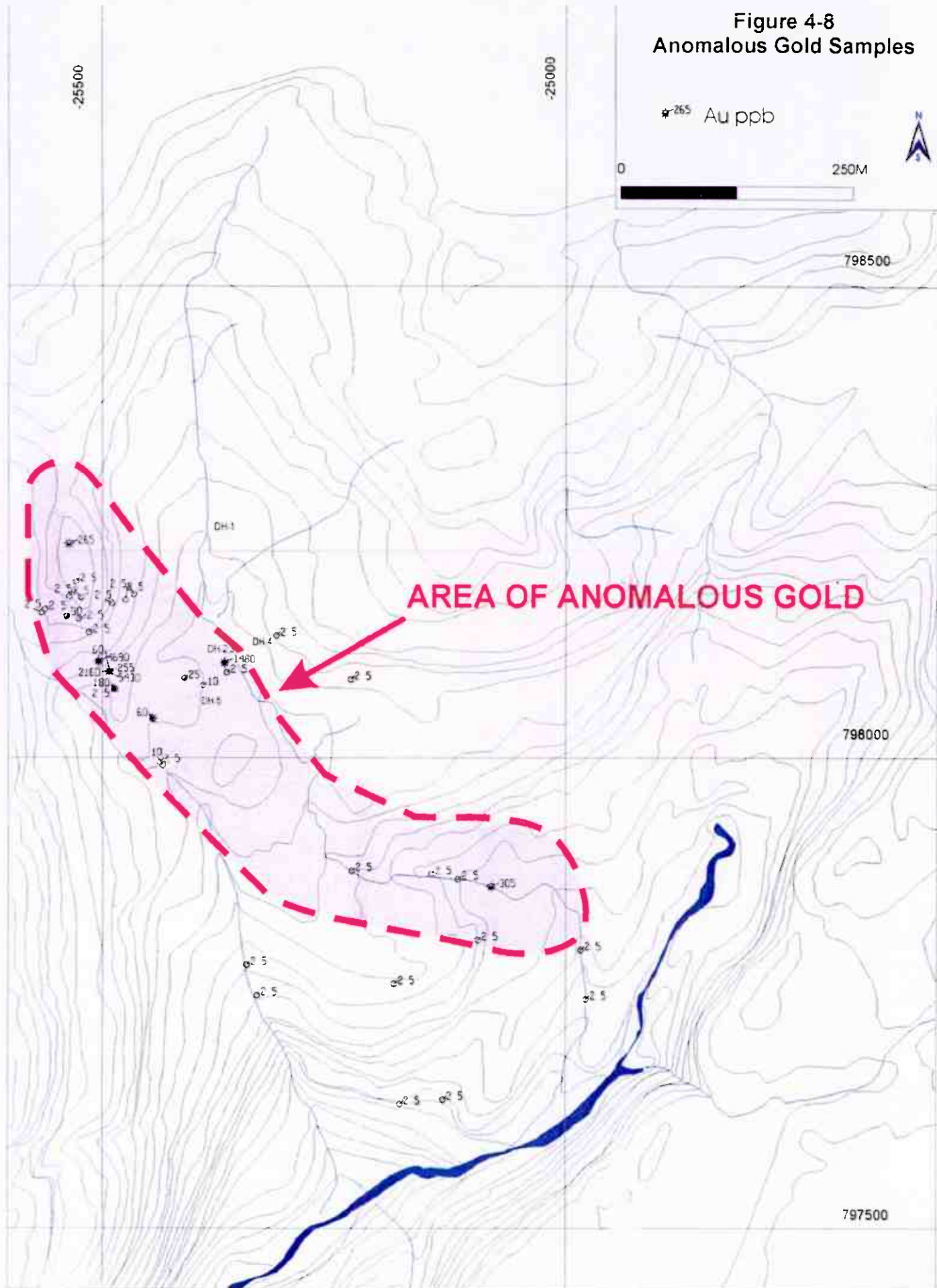
4.7 Suggested 1997 Reppen Field Program

Terrain conditions and the attitude (strike and dip) of the mineralisation make drilling investigations at Reppen technically quite simple. Ore zones remain open along strike and down dip. However, before any future drilling is proposed at Reppen further surface exploration should be conducted to determine the extent of the mineralisation. A suggested 1997 exploration program is presented below.

Surface Exploration:

- mapping and sampling should be conducted over a wider area to include the bulk of the claim block. Because access to the site is difficult setting up a small tent camp near the project site is recommended. This could be accomplished with a 10 day program with two geologists and one field

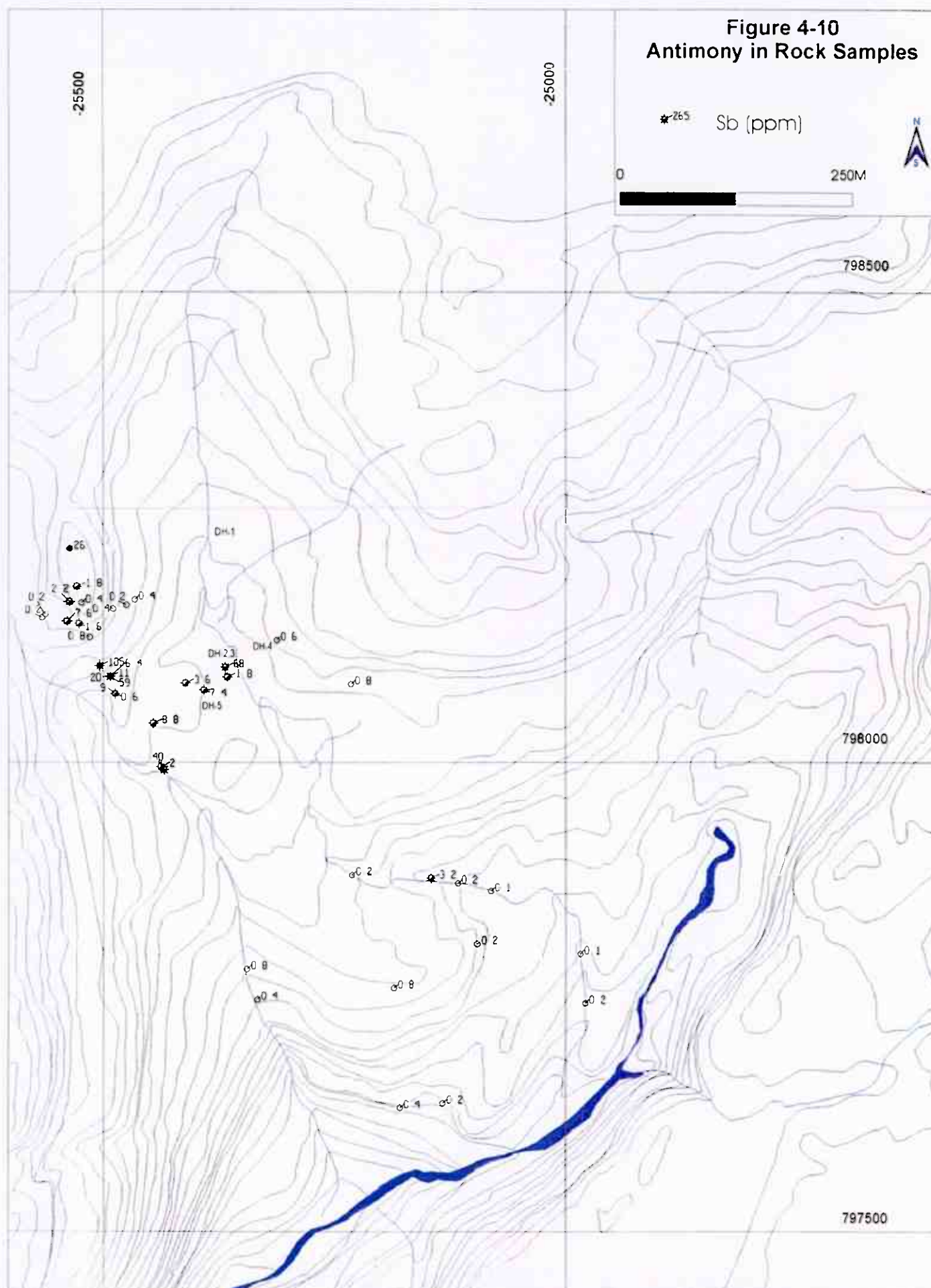
Figure 4-8
Anomalous Gold Samples

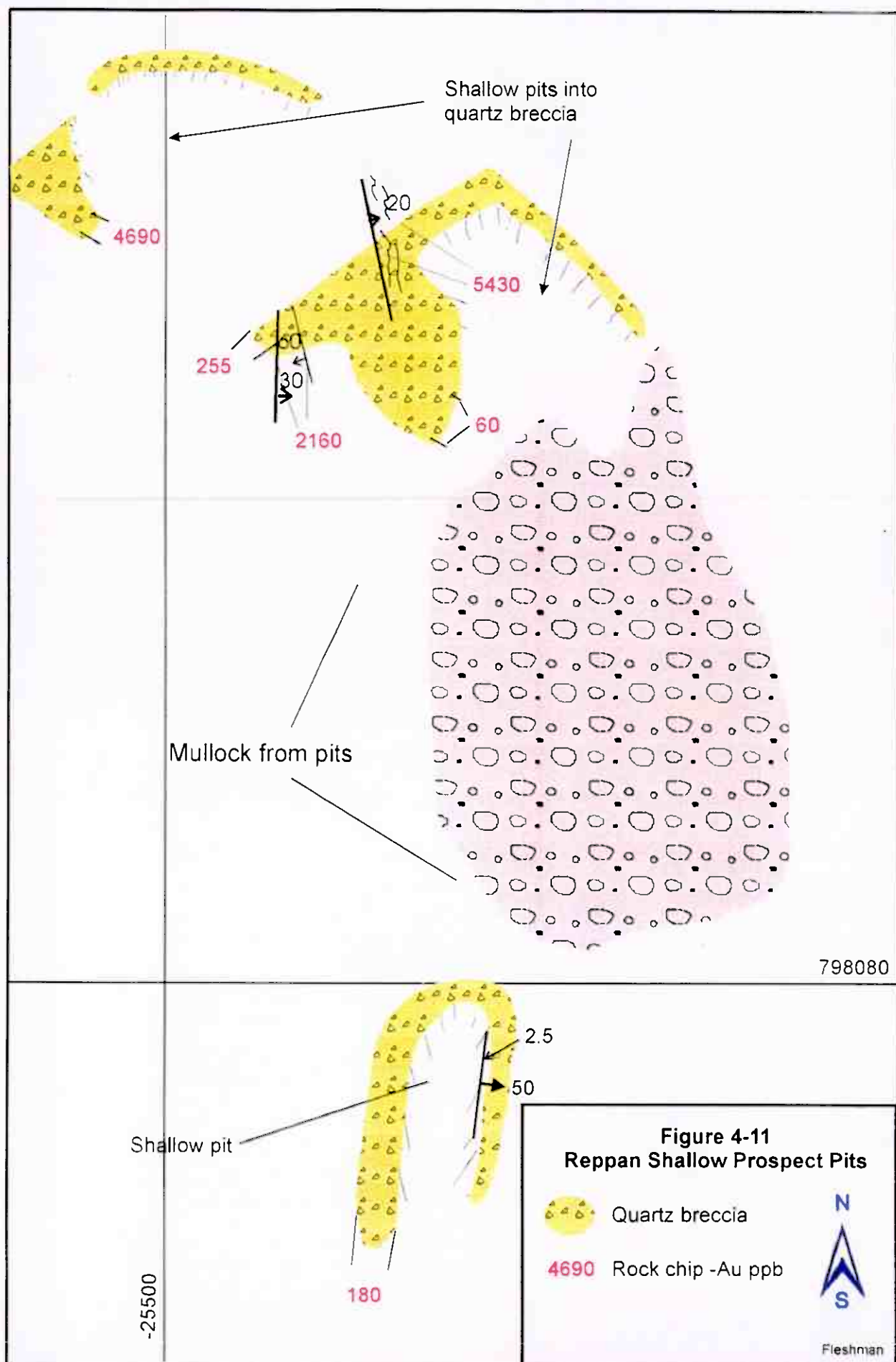


★²⁶⁵ As (ppm)



*²⁶⁵ Sb (ppm)





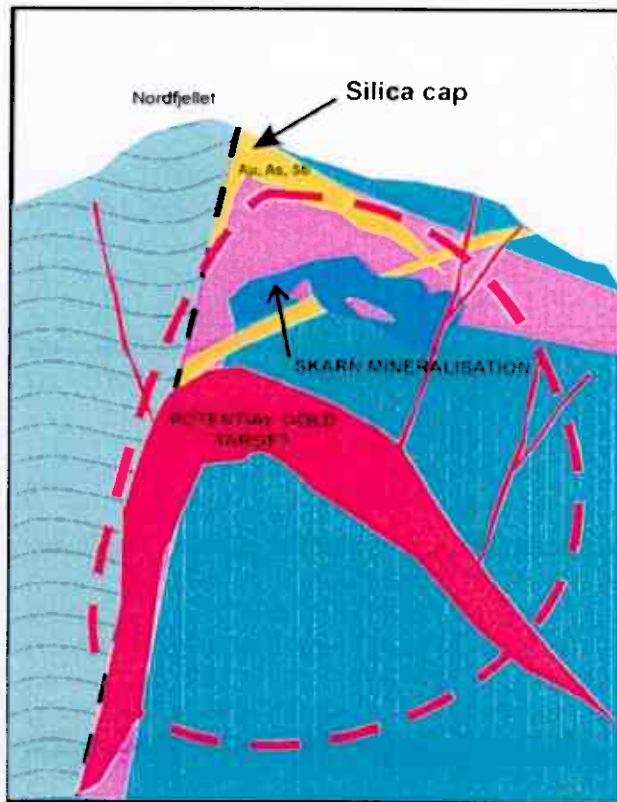


Figure 4-12 Hypothetical Reppen Exploration Model

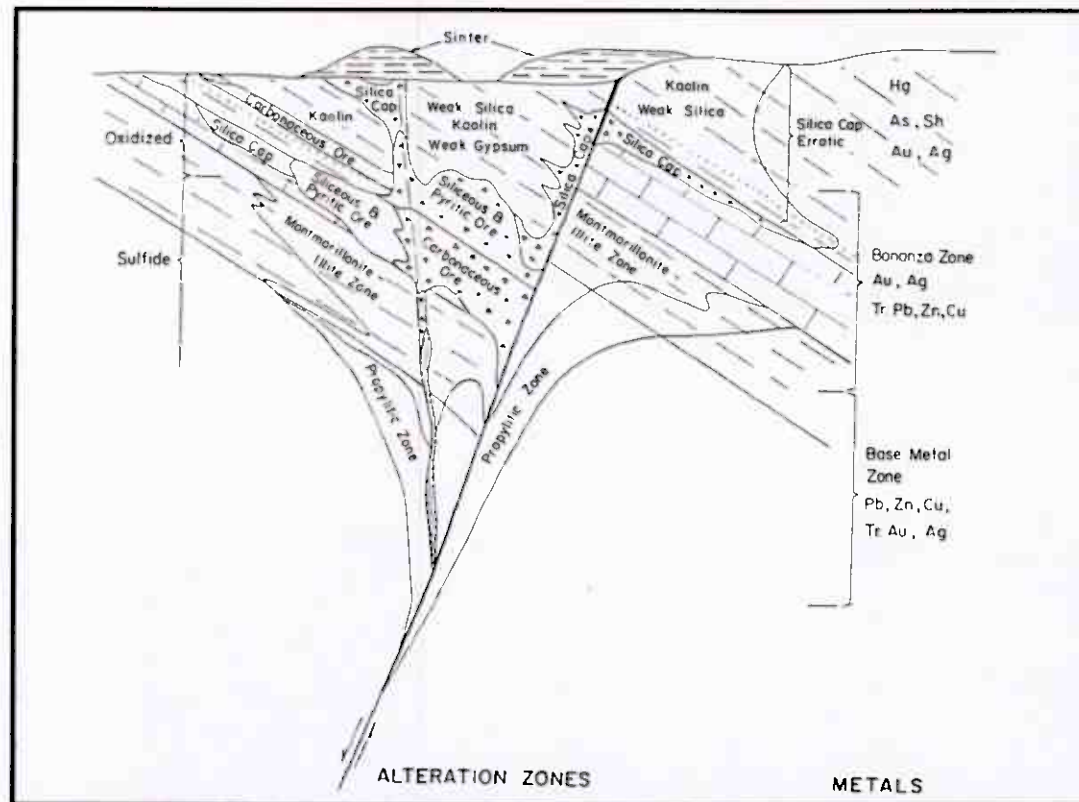


Figure 4-13 Schematic cross section of the epithermal model from "Discoveries of Epithermal Precious Metal Deposits"; Victor F. Hollister ed

Appendix 1
Bindal Claim Coordinate List

Claim No.	A		B		C		D	
	N(X)	E (Y)	N(X)	E (Y)	N(X)	E (Y)	N(X)	E (Y)
1	31.000	96.500	31.000	97.000	30.500	97.000	30.500	96.500
2	31.000	97.000	31.000	97.500	30.500	97.500	30.500	97.000
3	30.500	96.500	30.500	97.000	30.000	97.000	30.000	96.500
4	30.500	97.000	30.500	97.500	30.000	97.500	30.000	97.000
5	30.000	96.500	30.000	97.000	29.500	97.000	29.500	96.500
6	30.000	97.000	30.000	97.500	29.500	97.500	29.500	97.000
7	29.500	96.500	29.500	97.000	29.000	97.000	29.000	96.500
8	29.500	97.000	29.500	97.500	29.000	97.500	29.000	97.000
9	29.000	96.500	29.000	97.000	28.500	97.000	28.500	96.500
10	29.000	97.000	29.000	97.500	28.500	97.500	28.500	97.000
11	28.500	96.500	28.500	97.000	28.000	97.000	28.000	96.500
12	28.500	97.000	28.500	97.500	28.000	97.500	28.000	97.000
13	32.500	96.000	32.500	96.500	32.000	96.500	32.000	96.000
14	32.500	96.500	32.500	97.000	32.000	97.000	32.000	96.500
15	32.500	97.000	32.500	97.500	32.000	97.500	32.000	97.000
16	32.500	97.500	32.500	98.000	32.000	98.000	32.000	97.500
17	32.000	96.000	32.000	96.500	31.500	96.500	31.500	96.000
18	32.000	96.500	32.000	97.000	31.500	97.000	31.500	96.500
19	32.000	97.000	32.000	97.500	31.500	97.500	31.500	97.000
20	32.000	97.500	32.000	98.000	31.500	98.000	31.500	97.500
21	31.500	96.000	31.500	96.500	31.000	96.500	31.000	96.000
22	31.500	96.500	31.500	97.000	31.000	97.000	31.000	96.500
23	31.500	97.000	31.500	97.500	31.000	97.500	31.000	97.000
24	31.500	97.500	31.500	98.000	31.000	98.000	31.000	97.500
25	31.000	96.000	31.000	96.500	30.500	96.500	30.500	96.000
26	31.000	97.500	31.000	98.000	30.500	98.000	30.500	97.500
27	30.500	96.000	30.500	96.500	30.000	96.500	30.000	96.000
28	30.500	97.500	30.500	98.000	30.000	98.000	30.000	97.500
29	30.000	96.000	30.000	96.500	29.500	96.500	29.500	96.000
30	30.000	97.500	30.000	98.000	29.500	98.000	29.500	97.500
31	29.500	96.000	29.500	96.500	29.000	96.500	29.000	96.000
32	29.500	97.500	29.500	98.000	29.000	98.000	29.000	97.500
33	29.000	96.000	29.000	96.500	28.500	96.500	28.500	96.000
34	29.000	97.500	29.000	98.000	28.500	98.000	28.500	97.500
35	28.500	96.000	28.500	96.500	28.000	96.500	28.000	96.000
36	28.500	97.500	28.500	98.000	28.000	98.000	28.000	97.500
37	28.000	96.000	28.000	96.500	27.500	96.500	27.500	96.000
38	28.000	96.500	28.000	97.000	27.500	97.000	27.500	96.500
39	28.000	97.000	28.000	97.500	27.500	97.500	27.500	97.000
40	28.000	97.500	28.000	98.000	27.500	98.000	27.500	97.500
41	28.000	98.000	28.000	98.500	27.500	98.500	27.500	98.000
42	28.000	98.500	28.000	99.000	27.500	99.000	27.500	98.500
43	27.500	96.000	27.500	96.500	27.000	96.500	27.000	96.000
44	27.500	96.500	27.500	97.000	27.000	97.000	27.000	96.500
45	27.500	97.000	27.500	97.500	27.000	97.500	27.000	97.000
46	27.500	97.500	27.500	98.000	27.000	98.000	27.000	97.500
47	27.500	98.000	27.500	98.500	27.000	98.500	27.000	98.000
48	27.500	98.500	27.500	99.000	27.000	99.000	27.000	98.500
49	27.000	96.000	27.000	96.500	26.500	96.500	26.500	96.000

Claim No.	A		B		C		D	
	N(X)	E (Y)	N(X)	E (Y)	N(X)	E (Y)	N(X)	E (Y)
50	27 000	96.500	27.000	97.000	26.500	97.000	26.500	96.500
51	27 000	97.000	27.000	97.500	26.500	97.500	26.500	97.000
52	27 000	97.500	27 000	98.000	26.500	98.000	26.500	97.500
53	27 000	98.000	27.000	98.500	26.500	98.500	26.500	98.000
54	27 000	98.500	27.000	99.000	26.500	99.000	26.500	98.500
55	26.500	96.000	26.500	96.500	26.000	96.500	26.000	96.000
56	26.500	96.500	26.500	97.000	26.000	97.000	26.000	96.500
57	26.500	97.000	26.500	97.500	26.000	97.500	26.000	97.000
58	26.500	97.500	26.500	98.000	26.000	98.000	26.000	97.500
59	26.000	96.000	26.000	96.500	25.500	96.500	25.500	96.000
60	26.000	96.500	26.000	97.000	25.500	97.000	25.500	96.500
61	26.000	97.000	26.000	97.500	25.500	97.500	25.500	97.000
62	26.000	97.500	26.000	98.000	25.500	98.000	25.500	97.500
63	25.500	96.000	25.500	96.500	25.000	96.500	25.000	96.000
64	25.500	96.500	25.500	97.000	25.000	97.000	25.000	96.500
65	25.500	97.000	25.500	97.500	25.000	97.500	25.000	97.000
66	25.500	97.500	25.500	98.000	25.000	98.000	25.000	97.500
67	25.000	96.500	25.000	97.000	24.500	97.000	24.500	96.500
68	25.000	97.000	25.000	97.500	24.500	97.500	24.500	97.000
69	25.000	97.500	25.000	98.000	24.500	98.000	24.500	97.500
70	24.500	96.500	24.500	97.000	24.000	97.000	24.000	96.500
71	24.500	97.000	24.500	97.500	24.000	97.500	24.000	97.000
72	24.500	97.500	24.500	98.000	24.000	98.000	24.000	97.500

Claim No.	A		B		C		D	
	N(X)	E (Y)	N(X)	E (Y)	N(X)	E (Y)	N(X)	E (Y)
1	29.700	90.900	29.700	91.150	28.500	91.150	28.500	90.900
2	28.500	90.900	28.500	91.150	27.300	91.150	27.300	90.900
3	29.700	91.150	29.700	91.650	29.200	91.650	29.200	91.150
4	29.200	91.150	29.200	91.650	28.700	91.650	28.700	91.150
5	28.700	91.150	28.700	91.650	28.200	91.650	28.200	91.150
6	28.200	91.150	28.200	91.650	27.700	91.650	27.700	91.150
7	27.700	91.150	27.700	91.650	27.300	91.650	27.300	91.150
8	27.300	91.650	27.300	91.150	26.800	91.150	26.800	90.650
9	27.300	91.150	27.300	91.650	26.800	91.650	26.800	91.150
10	26.800	90.150	26.800	90.650	26.300	90.600	26.300	90.150
11	26.800	90.650	26.800	91.500	26.300	91.150	26.300	90.500
12	29.700	90.650	29.700	90.900	28.500	90.900	28.500	90.650
13	29.700	91.650	29.700	91.900	28.500	91.900	28.500	91.650
14	29.700	91.650	29.700	91.900	28.500	91.900	28.500	91.650
15	28.500	91.650	28.500	91.900	27.300	91.900	27.300	91.650

Claim No	A		B		C		D	
	N(X)	E (Y)	N(X)	E (Y)	N(X)	E (Y)	N(X)	E (Y)
1	39.00	399.50	39.00	400.00	38.50	400.00	38.50	399.50
2	39.00	400.00	39.00	400.50	38.50	400.50	38.50	400.00
3	39.00	400.50	39.00	401.00	38.50	401.00	38.50	400.50
4	39.00	401.00	39.00	401.50	38.50	401.50	38.50	401.00
5	39.00	401.50	39.00	402.00	38.50	402.00	38.50	401.50
6	39.00	402.00	39.00	402.50	38.50	402.50	38.50	402.00
7	39.00	402.50	39.00	403.00	38.50	403.00	38.50	402.50
8	39.00	403.00	39.00	403.50	38.50	403.50	38.50	403.00
9	39.00	403.50	39.00	404.00	38.50	404.00	38.50	403.50
10	39.00	404.00	39.00	404.50	38.50	404.50	38.50	404.00
11	39.00	404.50	39.00	405.00	38.50	405.00	38.50	404.50
12	39.00	405.00	39.00	405.50	38.50	405.50	38.50	405.00
13	39.00	405.50	39.00	406.00	38.50	406.00	38.50	405.50
14	38.50	399.50	38.50	400.00	38.00	400.00	38.00	399.50
15	38.50	400.00	38.50	400.50	38.00	400.50	38.00	400.00
16	38.50	400.50	38.50	401.00	38.00	401.00	38.00	400.50
17	38.50	401.00	38.50	401.50	38.00	401.50	38.00	401.00
18	38.50	401.50	38.50	402.00	38.00	402.00	38.00	401.50
19	38.50	402.00	38.50	402.50	38.00	402.50	38.00	402.00
20	38.50	402.50	38.50	403.00	38.00	403.00	38.00	402.50
21	38.50	403.00	38.50	403.50	38.00	403.50	38.00	403.00
22	38.50	403.50	38.50	404.00	38.00	404.00	38.00	403.50
23	38.50	404.00	38.50	404.50	38.00	404.50	38.00	404.00
24	38.50	404.50	38.50	405.00	38.00	405.00	38.00	404.50
25	38.50	405.00	38.50	405.50	38.00	405.50	38.00	405.00
26	38.50	405.50	38.50	406.00	38.00	406.00	38.00	405.50
27	38.00	399.50	38.00	400.00	37.50	400.00	37.50	399.50
28	38.00	400.00	38.00	400.50	37.50	400.50	37.50	400.00
29	38.00	400.50	38.00	401.00	37.50	401.00	37.50	400.50
30	38.00	401.00	38.00	401.50	37.50	401.50	37.50	401.00
31	38.00	401.50	38.00	402.00	37.50	402.00	37.50	401.50
32	38.00	402.00	38.00	402.50	37.50	402.50	37.50	402.00
33	38.00	402.50	38.00	403.00	37.50	403.00	37.50	402.50
34	38.00	403.00	38.00	403.50	37.50	403.50	37.50	403.00
35	38.00	403.50	38.00	404.00	37.50	404.00	37.50	403.50
36	38.00	404.00	38.00	404.50	37.50	404.50	37.50	404.00
37	38.00	404.50	38.00	405.00	37.50	405.00	37.50	404.50
38	38.00	405.00	38.00	405.50	37.50	405.50	37.50	405.00
39	38.00	405.50	38.00	406.00	37.50	406.00	37.50	405.50
40	37.50	399.50	37.50	400.00	37.00	400.00	37.00	399.50
41	37.50	400.00	37.50	400.50	37.00	400.50	37.00	400.00
42	37.50	400.50	37.50	401.00	37.00	401.00	37.00	400.50
43	37.50	401.00	37.50	401.50	37.00	401.50	37.00	401.00
44	37.50	401.50	37.50	402.00	37.00	402.00	37.00	401.50
45	37.50	402.00	37.50	402.50	37.00	402.50	37.00	402.00
46	37.50	402.50	37.50	403.00	37.00	403.00	37.00	402.50
47	37.50	403.00	37.50	403.50	37.00	403.50	37.00	403.00
48	37.50	403.50	37.50	404.00	37.00	404.00	37.00	403.50
49	37.50	404.00	37.50	404.50	37.00	404.50	37.00	404.00

Claim No.	A		B		C		D	
	N(X)	E (Y)	N(X)	E (Y)	N(X)	E (Y)	N(X)	E (Y)
50	37.50	404.50	37.50	405.00	37.00	405.00	37.00	404.50
51	37.50	405.00	37.50	405.50	37.00	405.50	37.00	405.00
52	37.50	405.50	37.50	406.00	37.00	406.00	37.00	405.50
53	37.00	399.50	37.00	400.00	36.50	400.00	36.50	399.50
54	37.00	400.00	37.00	400.50	36.50	400.50	36.50	400.00
55	37.00	400.50	37.00	401.00	36.50	401.00	36.50	400.50
56	37.00	401.00	37.00	401.50	36.50	401.50	36.50	401.00
57	37.00	401.50	37.00	402.00	36.50	402.00	36.50	401.50
58	37.00	402.00	37.00	402.50	36.50	402.50	36.50	402.00
59	37.00	402.50	37.00	403.00	36.50	403.00	36.50	402.50
60	37.00	403.00	37.00	403.50	36.50	403.50	36.50	403.00
61	37.00	403.50	37.00	404.00	36.50	404.00	36.50	403.50
62	37.00	404.00	37.00	404.50	36.50	404.50	36.50	404.00
63	37.00	404.50	37.00	405.00	36.50	405.00	36.50	404.50
64	37.00	405.00	37.00	405.50	36.50	405.50	36.50	405.00
65	37.00	405.50	37.00	406.00	36.50	406.00	36.50	405.50
66	36.50	399.50	36.50	400.00	36.00	400.00	36.00	399.50
67	36.50	400.00	36.50	400.50	36.00	400.50	36.00	400.00
68	36.50	400.50	36.50	401.00	36.00	401.00	36.00	400.50
69	36.50	401.00	36.50	401.50	36.00	401.50	36.00	401.00
70	36.50	401.50	36.50	402.00	36.00	402.00	36.00	401.50
71	36.50	402.00	36.50	402.50	36.00	402.50	36.00	402.00
72	36.50	402.50	36.50	403.00	36.00	403.00	36.00	402.50
73	36.50	403.00	36.50	403.50	36.00	403.50	36.00	403.00
74	36.50	403.50	36.50	404.00	36.00	404.00	36.00	403.50
75	36.50	404.00	36.50	404.50	36.00	404.50	36.00	404.00
76	36.50	404.50	36.50	405.00	36.00	405.00	36.00	404.50
77	36.50	405.00	36.50	405.50	36.00	405.50	36.00	405.00
78	36.50	405.50	36.50	406.00	36.00	406.00	36.00	405.50
79	36.00	401.50	36.00	402.00	35.50	402.00	35.50	401.50
80	36.00	402.00	36.00	402.50	35.50	402.50	35.50	402.00
81	36.00	402.50	36.00	403.00	35.50	403.00	35.50	402.50
82	36.00	403.00	36.00	403.50	35.50	403.50	35.50	403.00
83	36.00	403.50	36.00	404.00	35.50	404.00	35.50	403.50
84	36.00	404.00	36.00	404.50	35.50	404.50	35.50	404.00
85	36.00	404.50	36.00	405.00	35.50	405.00	35.50	404.50
86	36.00	405.00	36.00	405.50	35.50	405.50	35.50	405.00
87	36.00	405.50	36.00	406.00	35.50	406.00	35.50	405.50
88	35.50	401.50	35.50	402.00	35.00	402.00	35.00	401.50
89	35.50	402.00	35.50	402.50	35.00	402.50	35.00	402.00
90	35.50	402.50	35.50	403.00	35.00	403.00	35.00	402.50
91	35.50	403.00	35.50	403.50	35.00	403.50	35.00	403.00
92	35.50	403.50	35.50	404.00	35.00	404.00	35.00	403.50
93	35.50	404.00	35.50	404.50	35.00	404.50	35.00	404.00
94	35.50	404.50	35.50	405.00	35.00	405.00	35.00	404.50
95	35.50	405.00	35.50	405.50	35.00	405.50	35.00	405.00
96	35.50	405.50	35.50	406.00	35.00	406.00	35.00	405.50

Appendix 2
Bindal Rock Chip Samples

BINDAL ROCK CHIP SAMPLES

Sample	Au	Ag	As	Cu	Pb	Zn	Sb	EAST	North	Description
5809	2.5	0.1	24	180	1	59	0.4	19364.0	798981.0	5809-5861 1m chip samples collected along access rd
5810	2.5	0.1	1	130	2	56	0.2	19364.0	798980.0	mylonite, leucocratic granite
5811	15	0.1	1	140	2	76	0.4	19364.0	798979.0	mylonite, leucocratic granite
5812	10	0.1	16	76	3	90	0.2	19364.0	798978.0	iron stained leucocratic granite
5813	2.5	0.1	46	70	8	64	0.6	19364.0	798977.0	mix iron biotite granite & leucocratic granite
5814	2.5	0.1	6	23	5	34	0.2	19364.0	798976.0	kspar leucocratic granite
5815	2.5	0.1	160	15	8	132	0.2	19346.0	798910.0	leucocratic granite
5816	25	0.1	500	5	6	200	0.4	19345.1	798910.5	leucocratic granite
5817	125	0.1	1580	8	6	150	1.6	19344.3	798911.1	leucocratic granite
5818	160	0.3	2450	47	28	450	3	19343.4	798911.6	leucocratic granite w/ stringers of asp
5819	10	0.1	500	24	25	90	0.8	19342.6	798912.1	leucocratic granite
5820	10	0.1	830	16	8	114	0.8	19341.7	798912.6	2mica granite
5821	2.5	0.1	18	22	8	39	0.2	19340.9	798913.2	2mica granite
5822	10	0.1	1490	0.5	3	7	1.6	19333.0	798987.0	leucocratic granite
5823	5	0.1	520	0.5	4	5	0.4	19333.3	798986.0	leucocratic granite
5824	2.5	0.1	104	23	2	51	0.4	19333.6	798985.1	biotite gneiss w/ quartz veining
5825	2.5	0.1	60	45	3	78	0.6	19333.8	798984.1	biotite gneiss w/ quartz veining
5826	2.5	0.1	72	10	3	33	0.6	19334.1	798983.2	kspar leucocratic granite
5827	2.5	0.1	28	11	4	121	0.6	19300.0	798910.0	mylonite, leucocratic granite
5828	30	0.1	2100	18	5	10	3	19301.0	798909.9	zone of iron stained quartz veining
5829	2.5	0.1	62	16	3	16	0.2	19306.0	798901.0	leucocratic, 2mica granite
5830	25	0.1	570	6	4	49	1.6	19306.3	798900.0	iron stained leucocratic granite
5831	2.5	0.1	10	54	3	132	0.2	19454.0	799436.0	biotite anatectic granite
5832	2.5	0.2	8	42	2	118	0.1	19453.1	799435.6	biotite anatectic granite
5833	2.5	0.2	6	95	1	118	0.1	19452.2	799435.2	biotite anatectic granite*
5834	2.5	0.1	290	37	4	32	0.1	19451.3	799434.8	leucocratic pegmatite
5835	2.5	0.1	78	20	5	33	0.1	19450.3	799434.4	leucocratic granite w/biotite gneiss
5836	2.5	0.1	190	53	7	28	0.1	19449.4	799434.0	leucocratic granite w/biotite gneiss
5837	2.5	0.1	34	20	6	26	0.1	19448.5	799433.6	pegmatite/biotite gneiss
5838	2.5	0.2	1	67	5	28	0.1	19447.6	799433.1	mix leucocratic granite and pegmatite
5839	2.5	0.1	32	34	0.5	102	0.4	19446.7	799432.7	mylonite, leucocratic granite
5840	2.5	0.1	16	125	2	114	0.2	19445.8	799432.3	mylonite, leucocratic granite
5841	2.5	0.1	10	162	0.5	117	0.2	19444.9	799431.9	biotite gneiss
5842	2.5	0.1	10	54	7	82	0.2	19444.0	799431.5	mylonite, leucocratic granite
5843	2.5	0.1	1	76	2	50	0.1	19443.0	799431.1	mylonite, leucocratic granite
5844	2.5	0.1	1	14	0.5	75	0.1	19442.1	799430.7	leucocratic granite
5845	2.5	0.1	1	63	2	92	0.1	19441.2	799430.3	leucocratic granite

BINDAL ROCK CHIP SAMPLES

Sample	Au	Ag	As	Cu	Pb	Zn	Sb	EAST	North	Description
5846	2.5	0.1	1	43	2	48	0.1	19440.3	799429.9	sericitic leucocratic granite
5847	2.5	0.1	1	85	6	94	0.4	19439.4	799429.5	biotite gneiss/schist
5848	2.5	0.1	4	60	11	66	0.4	19438.5	799429.1	biotite gneiss/schist
5849	2.5	0.2	1	74	3	64	0.8	19437.6	799428.7	biotite gneiss/schist
5850	2.5	0.3	1	124	12	91	0.4	19436.7	799428.2	biotite gneiss/schist
5851	2.5	0.2	1	37	2	65	0.4	19435.7	799427.8	biotite gneiss/schist with quartz veining
5852	2.5	0.2	1	16	0.5	75	0.6	19434.8	799427.4	sericitic leucocratic granite
5853	2.5	0.1	1	60	2	72	0.2	19433.9	799427.0	sericitic leucocratic granite
5854	2.5	0.1	6	55	1	106	0.2	19433.0	799426.6	sericitic leucocratic granite
5855	2.5	0.1	1	5	5	80	0.2	19432.1	799426.2	biotite gneiss
5856	2.5	0.1	12	66	13	80	0.4	19431.2	799425.8	biotite gneiss
5857	1600	0.7	10000	1	30	8	22	19425.0	799285.0	1.5m sample at northern adit
5858	2.5	0.1	450	7	2	3	0.4	19424.3	799284.2	leucocratic granite with diss. py
5859	2.5	0.1	354	0.5	3	3	0.4	19423.7	799283.5	leucocratic granite with hairline veins of asp
5860	15	0.1	1420	0.5	0.5	2	1.4	19423.0	799282.7	leucocratic granite with tr of asp
5861	800	0.1	10000	0.5	6	7	24	19422.4	799282.0	leucocratic granite with tr of asp
5863	10866	0.8	10000	2	2	5	51	19632.0	798592.0	20cm wide vein with diss asp
5864	2.5	0.1	228	0.5	8	13	0.2	19632.0	798592.0	directly above - quartz vein
5865	70	0.1	1550	0.5	5	8	1.4	19632.0	798592.0	below vein with loc. hairline asp
5867	2.5	0.1	16	0.5	7	12	0.2	396797.0	7227481.0	asp occurrence hosted in narrow shear
5868	2.5	0.1	100	3	11	104	1.8	396950.0	7227485.0	asp occurrence hosted in narrow shear
5869	2.5	0.2	22	2	5	17	0.2	396950.0	7227485.0	asp occurrence hosted in narrow shear
5870	6260	1	10000	0.5	25	8	16	19335.0	798865.0	Klondike location .5m wide sheared qtz
5871	20	0.1	100	4	17	96	0.8	19406.0	798924.0	chip sample 2m above Klondike adit
5872	15	0.1	408	8	2	6	0.2	19336.0	798877.0	grab sample - lt grey qtz vein, loc asp
5873	40	0.1	60	66	0.5	129	1.4	19337.0	798877.0	1m chip sample ab diss py in skarn
5874	2.5	0.1	44	0.5	2	2	0.1	396710.0	7228531.0	clr lt grey qtz vein 4 cm wide
5875	2.5	0.1	10	0.5	0.5	3	0.1	396649.0	7228292.0	clr lt grey qtz vein 5 cm wide cutting milky qtz
5876	2.5	0.6	66	470	0.5	12	0.1	396536.0	7227183.0	str limonite local shear
5877	2.5	0.1	12	10	7	30	0.1	400600.0	7229329.0	chip sample local limonite tr py
5878	2.5	0.1	8	7	3	6	0.1	399966.0	7229289.0	limonitic qtz vein
5879	2.5	0.1	10	0.5	4	2	0.1	399847.0	7229165.0	milky qtz veins 5 to 15cm wide cutting granite
5880	2.5	0.1	6	3	11	14	0.1	398261.0	7230226.0	alt granite
5881	2.5	0.1	6	0.5	7	18	0.1	398332.0	7230083.0	alt granite
5882	2.5	0.1	6	12	6	19	0.1	398535.0	7229798.0	shattered granite local limonite
5883	2.5	0.1	86	3	20	130	2	397018.0	7224798.0	5883-5893 1m chip samples (2 to 3 m interval skipped)
5884	2.5	0.1	36	2	17	46	1	397017.1	7224797.6	from east to west across breccia zone exposed at

BINDAL ROCK CHIP SAMPLES

Sample	Au	Ag	As	Cu	Pb	Zn	Sb	EAST	North	Description
5885	50	0.1	26	3	16	62	0.8	397016.2	7224797.2	south end of the Kolsvik valley major trend is 165 degrees dipping 60 east
5886	15	0.1	50	10	31	124	1.6	397015.3	7224796.8	
5887	10	0.6	44	38	25	98	1.2	397014.3	7224796.4	"
5888	10	0.1	26	8	18	40	0.6	397013.4	7224796.0	"
5889	20	0.2	56	24	46	80	2.2	397012.5	7224795.6	"
5890	65	0.2	158	8	13	46	2.4	397011.6	7224795.1	"
5891	2.5	0.1	36	0.5	8	18	2.2	397010.7	7224794.7	"
5892	30	0.1	20	1	10	10	0.6	397009.8	7224794.3	"
5893	2.5	0.1	16	3	13	33	1	397008.9	7224793.9	"
5894	2.5	0.1	12	9	19	52	0.8	396993.0	7225000.0	approx. 50m north of 5893 - collected along 60 E fault
5895	2.5	0.1	1	16	18	28	0.2	397007.0	7225018.0	sil fault breccia fine grained sil frags
5896	2.5	0.1	1	0.5	3	4	0.1	397057.0	7225143.0	2m sample across sil breccia
5897	2.5	0.1	1	0.5	0.5	4	0.2	397057.0	7225143.0	2m sample across sil breccia
5898	2.5	0.1	32	3	0.5	56	0.8	397028.0	7225301.0	fault breccia with milky qtz veins
5899	265	0.2	10000	10	12	4	26	-25534.9	798227.5	massive milky quartz veins with 15-20% asp
5900	2.5	0.1	316	6	0.5	3	1.8	-25527.7	798187.4	1m chip sample across massive qtz vein
5901	2.5	0.1	840	5	0.5	2	2.2	-25534.9	798171.3	milky qtz vein exposed in shallow trench
5902	2.5	0.1	432	3	11	22	0.4	-25522.8	798170.5	alt granite with weak FeOx in shallow trench
5903	30	0.1	3700	13	0.5	2	7.6	-25537.3	798150.4	grab sample- milky qtz vein with blebs of asp
5904	2.5	0.1	1	8	9	18	0.2	-25563.5	798154.4	med. - coarse grained granite, tr of py
5905	2.5	0.1	94	17	1	72	0.2	-25559.8	798157.7	rusty gneiss with granite & qtz
5906	2.5	0.1	1010	4	3	8	1.6	-25525.3	798148.0	grab sample of alt granite
5907	2.5	0.1	44	3	3	10	0.8	-25513.9	798133.5	5m chip sample of st alt granite
5908	2.5	0.1	10	3	6	14	0.4	-25489.0	798164.1	1m chip sample tr of sulfides
5909	2.5	0.1	1	2	5	4	0.2	-25474.6	798168.1	1m chip sample sil granite tr of asp
5910	2.5	0.1	4	6	7	16	0.4	-25465.7	798173.8	1m chip sample sil granite tr of asp
5911	4690	0.7	10000	29	25	4	105	-25503.5	798102.9	southern end of Reppen Hill at top of historic working
5912	255	0.1	5900	35	0.5	3	11	-25492.2	798091.7	sooty limonite breccia within large quartz vein
5913	2160	0.5	10000	46	0.5	2	20	-25492.2	798091.7	5m chip sample of qtz breccia with asp
5914	5430	0.4	10000	10	11	6	59	-25492.2	798091.7	5m chip sample from shallow dipping shear
5915	60	0.1	3200	4	0.5	2	6.4	-25492.2	798091.7	1m chip sample of large quartz vein
5916	180	0.1	4500	4	1	1	9	-25486.6	798073.2	1m chip sample across massive qtz vein
5917	2.5	0.1	82	8	2	4	0.6	-25486.6	798073.2	grab sample from hanging wall of qtz vein
5918	60	0.1	3850	3	4	2	8.8	-25445.6	798041.7	1m chip sample of large quartz vein
5919	25	0.1	2050	8	1	10	3.6	-25410.9	798084.5	grab sample from alt intrusive with weak iron oxides
5920	1480	0.6	10000	14	60	8	68	-25368.3	798101.4	grab sample from vein with ~90% coarse py
5921	10	0.1	2350	11	5	6	7.4	-25390.9	798077.2	weakly alt. intrusive

BINDAL ROCK CHIP SAMPLES

Sample	Au	Ag	As	Cu	Pb	Zn	Sb	EAST	North	Description
5922	2.5	0.1	610	3	5	2	2	-25437.5	797995.2	qtz vein system massive milky qtz with tr of py
5923	2.5	0.1	610	3	2	2	1.8	-25365.9	798090.9	alt granite cut by qtz veins up to 4 cm
5924	10	0.1	5600	14	92	4	40	-25434.3	797992.0	qtz vein system massive milky qtz with tr of py
5925	2.5	0.1	4	13	0.5	10	0.2	-25231.5	797879.4	sil limestone
5926	2.5	0.1	18	7	5	30	0.2	-25095.5	797806.2	sil limestone
5927	2.5	0.1	8	13	8	30	0.2	-25116.4	797870.6	sil limestone
5928	305	0.1	2	13	2	42	0.1	-25081.0	797862.5	sil limestone mod ox. with tr of diss sulfide
5929	2.5	0.1	1	30	3	54	0.1	-24983.7	797795.8	sil limestone
5930	2.5	0.1	1	6	9	14	0.2	-24978.0	797743.5	grab sample of md grained quartzite
5931	2.5	0.1	1	15	0.5	8	0.2	-25132.5	797636.6	grab sample of limestone
5932	1330	0.1	10000	3	4	8	11.5	19338.0	798862.0	Klondike vein chip sample
5933	2.5	0.1	126	0.5	4	6	0.6	19314.0	798658.0	leucocratic granite
5934	2.5	0.1	1	0.5	7	14	0.4	19364.0	798645.0	5934-5937 1m chip sample of leuc. granite
5935	2.5	0.2	38	3	6	27	0.1	19363.6	798645.9	"
5936	2.5	0.1	2	0.5	6	21	0.1	19363.1	798646.8	"
5937	2.5	0.1	2	0.5	5	15	0.1	19362.7	798647.7	"
5938	5050	0.1	7900	0.5	4	2	6.2	19158.0	798588.0	5938-43 1m chip samples across the southern end
5939	1170	0.2	9500	4	14	2	6.6	19158.3	798587.2	of the F-zone (break at 5 to 6.7m)
5940	405	0.1	10000	0.5	10	1	8.2	19158.5	798586.5	"
5941	290	0.1	2700	0.5	3	2	3	19158.8	798585.7	"
5942	475	0.1	6500	0.5	14	3	5.6	19159.1	798585.0	"
5943	115	0.1	4650	0.5	4	2	4.6	19159.4	798584.2	"
5944	25	0.1	1620	0.5	4	2	1.6	19159.6	798583.4	6 7-7 7m
5945	68090	13.7	10000	68	2600	7	380	19134.0	798593.0	5945-5948 1m chip samples collected from sil granite
5946	4440	0.9	10000	3	37	8	43	19133.0	798592.8	90% fine asp strongly silicified- grades into milky qtz bx
5947	4910	0.7	10000	9	45	25	44	19133.3	798592.7	"
5948	9020	1	10000	7	64	45	32	19133.6	798592.5	"
5949	15	0.1	120	0.5	6	7	1	19326.0	798621.0	1m chip of alt pink granite with tr of sulfide
5950	2.5	0.1	54	15	16	90	0.6	19313.0	798605.0	grab sample of monzodiorite
5951	2.5	0.1	16	9	17	81	0.6	19311.0	798621.0	1m chip sample across dark grey diorite
5952	2.5	0.1	12	5	2	16	0.2	19302.0	798625.0	1m chip of alt pink granite
5953	2.5	0.1	60	0.5	4	3	0.2	19266.0	798651.0	granite collected next to DH36
5954	2.5	0.1	188	0.5	5	3	0.4	19266.0	798652.0	leucocratic granite
5955	5	0.1	30	3	2	4	0.2	19287.0	798683.0	1m chip sample across light pink granite
5956	3050	0.1	1060	0.5	3	5	0.8	19282.0	798684.0	1m chip across biotite granite -sheared
5957	2.5	0.2	4	218	3	2	0.1	397124.0	7230796.0	1.5m chip across aplite dike
5958	2.5	0.1	4	5	6	13	0.1	397552.0	7227762.0	sheared granite 1m chip

BINDAL ROCK CHIP SAMPLES

Sample	Au	Ag	As	Cu	b	Zn	Sb	EAST	North	Description
5959	2.5	0.5	34	480	2	10	0.1	19124.0	798438.0	sheared granite 1m chip
5960	15	0.1	2	7	8	27	0.1	19400.0	798615.0	sheared granite 1m chip
5961	2.5	0.1	6	4	6	6	0.2	19430.0	798628.0	sheared granite 1m chip
5962	2.5	0.1	4	1	5	4	0.1	19478.0	798509.0	leucocratic granite cut by bluish quartz vein
5963	2.5	0.1	4	0.5	9	4	0.2	19321.0	798645.0	1 m chip sample across pink md grained granite
5964	2.5	0.1	4	2	7	50	0.1	19294.0	798724.0	5m grab sample grey quartz vein with sulphides
5965	2.5	0.1	16	0.5	4	15	0.1	19294.0	798724.0	grab sample leucocratic granite
5966	2.5	0.1	18	48	0.5	26	0.2	19351.0	798908.0	1m sample of skarn cut by qtz vnls
5967	10	0.1	18	110	3	75	0.2	19271.0	798825.0	grab sample of monzodiorite
5968	2100	0.1	10000	2	4	4	13	19373.0	798954.0	5m grab sample strongly alt granite
5969	5960	1.6	10000	5	105	50	19.5	19370.0	798950.0	1m chip alt granite with abundant asp
5970	2.5	0.1	40	160	3	33	0.1	19409.0	798932.0	1m chip of strongly limonite alt granite with ~10% asp
5971	2.5	0.1	78	35	8	132	1	19324.0	798514.0	grab sample weakly limonitic, gneiss tr of py
5972	15	0.1	4	90	0.5	55	0.1	19352.0	798886.0	1m chip sample of epidote garnet skarn
5973	11450	0.2	10000	4	0.5	20	13	19354.0	798861.0	grab sample monzodiorite with 10cm qtz vns ab asp
5974	4140	0.2	8000	30	6	72	5.4	19346.0	798860.0	along main F zone quartz veining with asp
5975	540	0.1	2600	16	2	24	2	19343.0	798892.0	milky qtz vein 30 cm wide with 3% py
5976	10	0.1	164	32	2	85	1.6	19338.0	798885.0	1m chip sample near Klondike shift
10384	2.5	0.1	12	4	8	4	0.6	-25312.6	798130.4	quartz vein
10385	2.5	0.1	24	3	7	7	0.8	-25232.3	798083.6	quartz vein with some py
10386	2.5	0.1	1	95	5	122	0.4	-25333.7	797747.5	pegmatite in gneiss
10387	2.5	0.1	268	34	5	14	0.8	-25344.9	797779.7	quartzite with specks of py
10388	2.5	0.1	6	3	6	12	0.8	-25185.7	797759.6	calcite with specks of py
10389	2.5	0.1	218	10	0.5	39	3.2	-25145.4	797876.2	limestone with silica ribs with py
10390	2.5	0.1	1	19	4	19	0.4	-25179.2	797631.7	scree from cliff in lower Reppen
NO.	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)			

Appendix 3
Bindal Rock Chip Samples (By Area)

BINDAL ROCK CHIP SAMPLES (BY AREA)

Sample NO.	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)	(ppm)	Zn (ppm)	Sb (ppm)	Location	Description
5899	265	0.2	10000	10	12	4	26	Reppen Area	massive milky quartz veins with 15-20% asp
5900	2.5	0.1	316	6	0.5	3	1.8	Reppen Area	1m chip sample across massive qtz vein
5901	2.5	0.1	840	5	0.5	2	2.2	Reppen Area	milky qtz vein exposed in shallow trench
5902	2.5	0.1	432	3	11	22	0.4	Reppen Area	alt granite with weak FeOx in shallow trench
5903	30	0.1	3700	13	0.5	2	7.6	Reppen Area	grab sample- milky qtz vein with blebs of asp
5904	2.5	0.1	1	8	9	18	0.2	Reppen Area	med. - coarse grained granite, tr of py
5905	2.5	0.1	94	17	1	72	0.2	Reppen Area	rusty gneiss with granite & qtz
5906	2.5	0.1	1010	4	3	8	1.6	Reppen Area	grab sample of alt granite
5907	2.5	0.1	44	3	3	10	0.8	Reppen Area	.5m chip sample of st alt granite
5908	2.5	0.1	10	3	6	14	0.4	Reppen Area	1m chip sample tr of sulfides
5909	2.5	0.1	1	2	5	4	0.2	Reppen Area	1m chip sample sil granite tr of asp
5910	2.5	0.1	4	6	7	16	0.4	Reppen Area	1m chip sample sil granite tr of asp
5911	4690	0.7	10000	29	25	4	105	Reppen Area	southern end of Reppen Hill at top of historic working
5912	255	0.1	5900	35	0.5	3	11	Reppen Area	sooty limonite breccia within large quartz vein
5913	2160	0.5	10000	46	0.5	2	20	Reppen Area	.5m chip sample of qtz breccia with asp
5914	5430	0.4	10000	10	11	6	59	Reppen Area	.5m chip sample from shallow dipping shear
5915	60	0.1	3200	4	0.5	2	6.4	Reppen Area	1m chip sample of large quartz vein
5916	180	0.1	4500	4	1	1	9	Reppen Area	1m chip sample across massive qtz vein
5917	2.5	0.1	82	8	2	4	0.6	Reppen Area	grab sample from hanging wall of qtz vein
5918	60	0.1	3850	3	4	2	8.8	Reppen Area	1m chip sample of large quartz vein
5919	25	0.1	2050	8	1	10	3.6	Reppen Area	grab sample from alt intrusive with weak iron oxides
5920	1480	0.6	10000	14	60	8	68	Reppen Area	grab sample from vein with ~90% coarse py
5921	10	0.1	2350	11	5	6	7.4	Reppen Area	weakly alt. intrusive
5922	2.5	0.1	610	3	5	2	2	Reppen Area	qtz vein system massive milky qtz with tr of py
5923	2.5	0.1	610	3	2	2	1.8	Reppen Area	alt granite cut by qtz veins up to 4 cm
5924	10	0.1	5600	14	92	4	40	Reppen Area	qtz vein system massive milky qtz with tr of py
5925	2.5	0.1	4	13	0.5	10	0.2	Reppen Area	sil limestone
5926	2.5	0.1	18	7	5	30	0.2	Reppen Area	sil limestone
5927	2.5	0.1	8	13	8	30	0.2	Reppen Area	sil limestone
5928	305	0.1	2	13	2	42	0.1	Reppen Area	sil limestone mod ox. with tr of diss sulfide
5929	2.5	0.1	1	30	3	54	0.1	Reppen Area	sil limestone
5930	2.5	0.1	1	6	9	14	0.2	Reppen Area	grab sample of md grained quartzite
5931	2.5	0.1	1	15	0.5	8	0.2	Reppen Area	grab sample of limestone
10384	2.5	0.1	12	4	8	4	0.6	Reppen Area	quartz vein
10385	2.5	0.1	24	3	7	7	0.8	Reppen Area	quartz vein with some py
10386	2.5	0.1	1	95	5	122	0.4	Reppen Area	pegmatite in gneiss

Sample	Au	Ag	As	Cu	Pb	Zn	Sb	Location	Description
10387	2.5	0.1	268	34	5	14	0.8	Reppen Area	quartzite with specks of py
10388	2.5	0.1	6	3	6	12	0.8	Reppen Area	calcite with specks of py
10389	2.5	0.1	218	10	0.5	39	3.2	Reppen Area	limestone with silica ribs with py
10390	2.5	0.1	1	19	4	19	0.4	Reppen Area	scree from cliff in lower Reppen
5877	2.5	0.1	12	10	7	30	0.1	East Claim Block	chip sample local limonite tr py
5878	2.5	0.1	8	7	3	6	0.1	East Claim Block	limonite qtz vein
5879	2.5	0.1	10	0.5	4	2	0.1	East Claim Block	milky qtz veins 5 to 15cm wide cutting granite
5880	2.5	0.1	6	3	11	14	0.1	East Claim Block	alt granite
5881	2.5	0.1	6	0.5	7	18	0.1	East Claim Block	alt granite
5882	2.5	0.1	6	12	6	19	0.1	East Claim Block	shattered granite local limonite
5809	2.5	0.1	24	180	1	59	0.4	Central Kolsvik	5809-5861 1m chip samples collected along access rd
5810	2.5	0.1	1	130	2	56	0.2	Central Kolsvik	mylonite, leucocratic granite
5811	15	0.1	1	140	2	76	0.4	Central Kolsvik	mylonite, leucocratic granite
5812	10	0.1	16	76	3	90	0.2	Central Kolsvik	iron stained leucocratic granite
5813	2.5	0.1	46	70	8	64	0.6	Central Kolsvik	mix iron biotite granite & leucocratic granite
5814	2.5	0.1	6	23	5	34	0.2	Central Kolsvik	kspar leucocratic granite
5815	2.5	0.1	160	15	8	132	0.2	Central Kolsvik	leucocratic granite
5816	25	0.1	500	5	6	200	0.4	Central Kolsvik	leucocratic granite
5817	125	0.1	1580	8	6	150	1.6	Central Kolsvik	leucocratic granite
5818	160	0.3	2450	47	28	450	3	Central Kolsvik	leucocratic granite w/ stringers of asp
5819	10	0.1	500	24	25	90	0.8	Central Kolsvik	leucocratic granite
5820	10	0.1	830	16	8	114	0.8	Central Kolsvik	2mica granite
5821	2.5	0.1	18	22	8	39	0.2	Central Kolsvik	2mica granite
5822	10	0.1	1490	0.5	3	7	1.6	Central Kolsvik	leucocratic granite
5823	5	0.1	520	0.5	4	5	0.4	Central Kolsvik	leucocratic granite
5824	2.5	0.1	104	23	2	51	0.4	Central Kolsvik	biotite gneiss w/ quartz veining
5825	2.5	0.1	60	45	3	78	0.6	Central Kolsvik	biotite gneiss w/ quartz veining
5826	2.5	0.1	72	10	3	33	0.6	Central Kolsvik	kspar leucocratic granite
5827	2.5	0.1	28	11	4	121	0.6	Central Kolsvik	mylonite, leucocratic granite
5828	30	0.1	2100	18	5	10	3	Central Kolsvik	zone of iron stained quartz veining
5829	2.5	0.1	62	16	3	16	0.2	Central Kolsvik	leucocratic, 2mica granite
5830	25	0.1	570	6	4	49	1.6	Central Kolsvik	iron stained leucocratic granite
5831	2.5	0.1	10	54	3	132	0.2	Central Kolsvik	biotite anatectic granite
5832	2.5	0.2	8	42	2	118	0.1	Central Kolsvik	biotite anatectic granite
5833	2.5	0.2	6	95	1	118	0.1	Central Kolsvik	biotite anatectic granite
5834	2.5	0.1	290	37	4	32	0.1	Central Kolsvik	leucocratic pegmatite
5835	2.5	0.1	78	20	5	33	0.1	Central Kolsvik	leucocratic granite w/ biotite gneiss

Sample	Au	Ag	As	Cu	Zn	Sb	Location	Description	
5836	2.5	0.1	190	53	7	28	0.1	Central Kolsvik	leucocratic granite w/biotite gneiss
5837	2.5	0.1	34	20	6	26	0.1	Central Kolsvik	pegmatite/biotite gneiss
5838	2.5	0.2	1	67	5	28	0.1	Central Kolsvik	mix leucocratic granite and pegmatite
5839	2.5	0.1	32	34	0.5	102	0.4	Central Kolsvik	mylonite, leucocratic granite
5840	2.5	0.1	16	125	2	114	0.2	Central Kolsvik	mylonite, leucocratic granite
5841	2.5	0.1	10	162	0.5	117	0.2	Central Kolsvik	biotite gneiss
5842	2.5	0.1	10	54	7	82	0.2	Central Kolsvik	mylonite, leucocratic granite
5843	2.5	0.1	1	76	2	50	0.1	Central Kolsvik	mylonite, leucocratic granite
5844	2.5	0.1	1	14	0.5	75	0.1	Central Kolsvik	leucocratic granite
5845	2.5	0.1	1	63	2	92	0.1	Central Kolsvik	leucocratic granite
5846	2.5	0.1	1	43	2	48	0.1	Central Kolsvik	sericitic leucocratic granite
5847	2.5	0.1	1	85	6	94	0.4	Central Kolsvik	biotite gneiss/schist
5848	2.5	0.1	4	60	11	66	0.4	Central Kolsvik	biotite gneiss/schist
5849	2.5	0.2	1	74	3	64	0.8	Central Kolsvik	biotite gneiss/schist
5850	2.5	0.3	1	124	12	91	0.4	Central Kolsvik	biotite gneiss/schist
5851	2.5	0.2	1	37	2	65	0.4	Central Kolsvik	biotite gneiss/schist with quartz veining
5852	2.5	0.2	1	16	0.5	75	0.6	Central Kolsvik	sericitic leucocratic granite
5853	2.5	0.1	1	60	2	72	0.2	Central Kolsvik	sericitic leucocratic granite
5854	2.5	0.1	6	55	1	106	0.2	Central Kolsvik	sericitic leucocratic granite
5855	2.5	0.1	1	5	5	80	0.2	Central Kolsvik	biotite gneiss
5856	2.5	0.1	12	66	13	80	0.4	Central Kolsvik	biotite gneiss
5857	1600	0.7	10000	1	30	8	22	Central Kolsvik	1.5m sample at northern adit
5858	2.5	0.1	450	7	2	3	0.4	Central Kolsvik	leucocratic granite with diss. py
5859	2.5	0.1	354	0.5	3	3	0.4	Central Kolsvik	leucocratic granite with hairline veins of asp
5860	15	0.1	1420	0.5	0.5	2	1.4	Central Kolsvik	leucocratic granite with tr of asp
5861	800	0.1	10000	0.5	6	7	24	Central Kolsvik	leucocratic granite with tr of asp
5870	6260	1	10000	0.5	25	8	16	Central Kolsvik	Klondike location .5m wide sheared qtz
5871	20	0.1	100	4	17	96	0.8	Central Kolsvik	chip sample 2m above Klondike adit
5872	15	0.1	408	8	2	6	0.2	Central Kolsvik	grab sample-It gray qtz vein, loc asp
5873	40	0.1	60	66	0.5	129	1.4	Central Kolsvik	1m chip sample ab diss py in skarn
5932	1330	0.1	10000	3	4	8	11.5	Central Kolsvik	Klondike vein chip sample
5933	2.5	0.1	126	0.5	4	6	0.6	Central Kolsvik	leucocratic granite
5934	2.5	0.1	1	0.5	7	14	0.4	Central Kolsvik	5934-5937 1m chip sample of leuc. granite
5935	2.5	0.2	38	3	6	27	0.1	Central Kolsvik	" "
5936	2.5	0.1	2	0.5	6	21	0.1	Central Kolsvik	" "
5937	2.5	0.1	2	0.5	5	15	0.1	Central Kolsvik	" "
5938	5050	0.1	7900	0.5	4	2	6.2	Central Kolsvik	5938-43 1m chip samples across the southern end

BINDAL ROCK CHIP SAMPLES (BY AREA)

Sample	Au	Ag	As	Cu		Zn	Sb	Location	Description
5939	1170	0.2	9500	4	14	2	6.6	Central Kolsvik	of the F-zone (break at 5 to 6.7m)
5940	405	0.1	10000	0.5	10	1	8.2	Central Kolsvik	" "
5941	290	0.1	2700	0.5	3	2	3	Central Kolsvik	" "
5942	475	0.1	6500	0.5	14	3	5.6	Central Kolsvik	" "
5943	115	0.1	4650	0.5	4	2	4.6	Central Kolsvik	" "
5944	25	0.1	1620	0.5	4	2	1.6	Central Kolsvik	6.7-7.7m
5945	68090	13.7	10000	68	2600	7	380	Central Kolsvik	5945-5948 1m chip samples collected from sil granite
5946	4440	0.9	10000	3	37	8	43	Central Kolsvik	90% fine asp strongly silicified- grades into milky qtz bx
5947	4910	0.7	10000	9	45	25	44	Central Kolsvik	" "
5948	9020	1	10000	7	64	45	32	Central Kolsvik	" "
5949	15	0.1	120	0.5	6	7	1	Central Kolsvik	1m chip of alt pink granite with tr of sulfide
5950	2.5	0.1	54	15	16	90	0.6	Central Kolsvik	grab sample of monzodiorite
5951	2.5	0.1	16	9	17	81	0.6	Central Kolsvik	1m chip sample across dark grey diorite
5952	2.5	0.1	12	5	2	16	0.2	Central Kolsvik	1m chip of alt pink granite
5953	2.5	0.1	60	0.5	4	3	0.2	Central Kolsvik	granite collected next to DH36
5954	2.5	0.1	188	0.5	5	3	0.4	Central Kolsvik	leucocratic granite
5955	5	0.1	30	3	2	4	0.2	Central Kolsvik	1m chip sample across light pink granite
5956	3050	0.1	1060	0.5	3	5	0.8	Central Kolsvik	1m chip across biotite granite -sheared
5957	2.5	0.2	4	218	3	2	0.1	Central Kolsvik	1.5m chip across aplite dike
5958	2.5	0.1	4	5	6	13	0.1	Central Kolsvik	sheared granite 1m chip
5959	2.5	0.5	34	480	2	10	0.1	Central Kolsvik	sheared granite 1m chip
5960	15	0.1	2	7	8	27	0.1	Central Kolsvik	sheared granite 1m chip
5961	2.5	0.1	6	4	6	6	0.2	Central Kolsvik	sheared granite 1m chip
5962	2.5	0.1	4	1	5	4	0.1	Central Kolsvik	leucocratic granite cut by bluish quartz vein
5963	2.5	0.1	4	0.5	9	4	0.2	Central Kolsvik	1 m chip sample across pink md grained granite
5964	2.5	0.1	4	2	7	50	0.1	Central Kolsvik	.5m grab sample grey quartz vein with sulphides
5965	2.5	0.1	16	0.5	4	15	0.1	Central Kolsvik	grab sample leucocratic granite
5966	2.5	0.1	18	48	0.5	26	0.2	Central Kolsvik	1m sample of skarn cut by qtz vnls
5967	10	0.1	18	110	3	75	0.2	Central Kolsvik	grab sample of monzodiorite
5968	2100	0.1	10000	2	4	4	13	Central Kolsvik	.5m grab sample strongly alt granite
5969	5960	1.6	10000	5	105	50	19.5	Central Kolsvik	1m chip alt granite with abundant asp
5970	2.5	0.1	40	160	3	33	0.1	Central Kolsvik	1m chip of strongly limonite alt granite with ~10% asp
5971	2.5	0.1	78	35	8	132	1	Central Kolsvik	grab sample weakly limonitic, gneiss tr of py
5972	15	0.1	4	90	0.5	55	0.1	Central Kolsvik	1m chip sample of epidote garnet skarn
5973	11450	0.2	10000	4	0.5	20	13	Central Kolsvik	grab sample monzodiorite with 10cm qtz vns ab. asp
5974	4140	0.2	8000	30	6	72	5.4	Central Kolsvik	along main F zone quartz veining with asp
5975	540	0.1	2600	16	2	24	2	Central Kolsvik	milky qtz vein 30 cm wide with 3% py

Sample	Au	Ag	As	Cu	Pb	Zn	Sb	Location	Description
5976	10	0.1	164	32	2	85	1.6	Central Kolsvik	1m chip sample near Klondike shift
5863	10866	0.8	10000	2	2	5	51	B-7 Zone	20cm wide vein with diss asp
5864	2.5	0.1	228	0.5	8	13	0.2	B-7 Zone	directly above - quartz vein
5865	70	0.1	1550	0.5	5	8	1.4	B-7 Zone	below vein with loc. hairline asp
5867	2.5	0.1	16	0.5	7	12	0.2	Kolsvik South	asp occurrence hosted in narrow shear
5868	2.5	0.1	100	3	11	104	1.8	Kolsvik South	asp occurrence hosted in narrow shear
5869	2.5	0.2	22	2	5	17	0.2	Kolsvik South	asp occurrence hosted in narrow shear
5874	2.5	0.1	44	0.5	2	2	0.1	Kolsvik South	clr lt grey qtz vein 4 cm wide
5875	2.5	0.1	10	0.5	0.5	3	0.1	Kolsvik South	clr lt grey qtz vein 5 cm wide cutting milky qtz
5876	2.5	0.6	66	470	0.5	12	0.1	Kolsvik South	str limonite local shear
5883	2.5	0.1	86	3	20	130	2	Kolsvik South	5883-5893 1m chip samples (2 to 3 m interval skipped)
5884	2.5	0.1	36	2	17	46	1	Kolsvik South	from east to west across breccia zone exposed at
5885	50	0.1	26	3	16	62	0.8	Kolsvik South	south end of the Kolsvik valley major trend is
5886	15	0.1	50	10	31	124	1.6	Kolsvik South	165 degrees dipping 60 east
5887	10	0.6	44	38	25	98	1.2	Kolsvik South	" "
5888	10	0.1	26	8	18	40	0.6	Kolsvik South	" "
5889	20	0.2	56	24	46	80	2.2	Kolsvik South	" "
5890	65	0.2	158	8	13	46	2.4	Kolsvik South	" "
5891	2.5	0.1	36	0.5	8	18	2.2	Kolsvik South	" "
5892	30	0.1	20	1	10	10	0.6	Kolsvik South	" "
5893	2.5	0.1	16	3	13	33	1	Kolsvik South	" "
5894	2.5	0.1	12	9	19	52	0.8	Kolsvik South	approx. 50m north of 5893 - collected along 60 E fault
5895	2.5	0.1	1	16	18	28	0.2	Kolsvik South	sil fault breccia fine grained sil frags
5896	2.5	0.1	1	0.5	3	4	0.1	Kolsvik South	2m sample across sil breccia
5897	2.5	0.1	1	0.5	0.5	4	0.2	Kolsvik South	2m sample across sil breccia
5898	2.5	0.1	32	3	0.5	56	0.8	Kolsvik South	fault breccia with milky qtz veins

Appendix 4
Chemex Lab Reports (Rock Samples-1996)



Chemex Labs, Inc.

Analytical Chemists * Geochemists * Registered Assayers

994 Glendale Ave., Unit 3,
Nevada, U.S.A.

Sparks
89431

PHONE: 702-356-5395 FAX: 702-355-0179

To: VIKING GOLD CORPORATION

LEVEL 8, 261 GEORGE ST.
SYDNEY, NEW SOUTH WALES
2000 AUSTRALIA

A9642562

Comments: ATTN: BILL FLESHMAN FAX: ROSS DAY

CERTIFICATE

A9642562

(OIC) - VIKING GOLD CORPORATION

Project: DH 4
P.O. #:

Samples submitted to our lab in Vancouver, BC.
This report was printed on 7-FEB-97.

SAMPLE PREPARATION

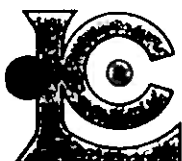
CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
205	79	Geochem ring to approx 150 mesh
226	79	0-3 Kg crush and split
3202	79	Rock - save entire reject

ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
983	79	Au ppb: Fuse 30 g sample	FA-AAS	5	10000
997	1	Au g/t: 1 assay ton, grav.	FA-GRAVIMETRIC	0.07	1000.0
13	79	As ppm: HNO3-aqua regia digest	AAS-HYDRIDE/EDL	1	10000

The results of this assay were based solely upon the content of the sample submitted. Any decision to invest should be made only after the potential investment value of the claim or deposit has been determined based on the results of assays of multiple samples of geologic materials collected by the prospective investor or by a qualified person selected by him/her and based on an evaluation of all engineering data which is available concerning any proposed project.

Statement required by Nevada State Law NRS 519



Chemex Labs, Inc.

Analytical Chemists • Geochemists • Registered Assayers

994 Glendale Ave., Unit 3,
Nevada, U.S.A.

Sparks
89431

PHONE: 702-356-5395 FAX: 702-355-0179

To: VIKING GOLD CORPORATION

LEVEL 8, 261 GEORGE ST.
SYDNEY, NEW SOUTH WALES
2000 AUSTRALIA

Project: DH 4

Comments: ATTN: BILL FLESHMAN FAX: ROSS DAY

Page Number : 1
Total Pages : 2
Certificate Date : DEC-96
Invoice No. : 42562
P.O. Number :
Account : OIC

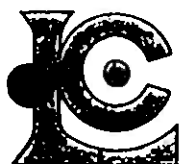
CERTIFICATE OF ANALYSIS

A9642562

SAMPLE	PREP CODE	Au ppb FA+AA	Au FA g/t	As ppm							
DH4 14-15	205 226	1740	-----	>10000							
DH4 15-16	205 226	250	-----	9700							
DH4 16-17	205 226	135	-----	2600							
DH4 17-18	205 226	2780	-----	>10000							
DH4 18-19	205 226	395	-----	>10000							
DH4 19-20	205 226	345	-----	>10000							
DH4 20-21	205 226	300	-----	2600							
DH4 21-22	205 226	5	-----	282							
DH4 22-23	205 226	10	-----	26							
DH4 23-24	205 226	< 5	-----	6							
DH4 24-25	205 226	< 5	-----	1							
DH4 25-26	205 226	< 5	-----	1							
DH4 26-27	205 226	< 5	-----	2							
DH4 27-28	205 226	< 5	-----	200							
DH4 28-29	205 226	65	-----	2200							
DH4 29-30	205 226	>10000	33.87	>10000							
DH4 30-31	205 226	75	-----	426							
DH4 31-32	205 226	40	-----	700							
DH4 32-33	205 226	50	-----	1430							
DH4 33-34	205 226	< 5	-----	30							
DH4 34-35	205 226	< 5	-----	4							
DH4 35-36	205 226	20	-----	52							
DH4 36-37	205 226	< 5	-----	30							
DH4 37-38	205 226	150	-----	36							
DH4 38-39	205 226	< 5	-----	1							
DH4 39-40	205 226	< 5	-----	1							
DH4 40-41	205 226	< 5	-----	48							
DH4 41-42	205 226	< 5	-----	4							
DH4 42-43	205 226	< 5	-----	4							
DH4 43-44	205 226	< 5	-----	1							
DH4 44-45	205 226	< 5	-----	1							
DH4 45-46	205 226	< 5	-----	364							
DH4 46-47	205 226	< 5	-----	1							
DH4 47-48	205 226	< 5	-----	1							
DH4 48-49	205 226	< 5	-----	2							
DH4 49-50	205 226	20	-----	1							
DH4 50-51	205 226	< 5	-----	1							
DH4 51-52	205 226	< 5	-----	1							
DH4 52-53	205 226	< 5	-----	30							
DH4 53-54	205 226	< 5	-----	14							

CERTIFICATION:

Hart Bickler



Chemex Labs, Inc.

Analytical Chemists • Geochemists • Registered Assayers

994 Glendale Ave., Unit 3,
Nevada, U.S.A.

Sparks
89431

PHONE: 702-356-5395 FAX: 702-355-0179

To: VIKING GOLD CORPORATION

LEVEL 8, 261 GEORGE ST.
SYDNEY, NEW SOUTH WALES
2000 AUSTRALIA

Project: DH 4

Comments: ATTN BILL FLESHMAN

FAX ROSS DAY

Page Number: 2
Total Pages: 2
Certificate Date: DEC-96
Invoice No.: A9642562
P.O. Number:
Account: OIC

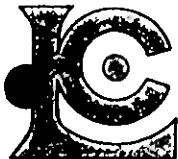
CERTIFICATE OF ANALYSIS

A9642562

SAMPLE	PREP CODE	Au ppb FA+AA	Au FA g/t	As ppm							
DH4 54-55	205 226	10	-----	1060							
DH4 55-56	205 226	45	-----	1830							
DH4 56-57	205 226	< 5	-----	4							
DH4 57-58	205 226	< 5	-----	2							
DH4 58-59	205 226	< 5	-----	12							
DH4 59-60	205 226	< 5	-----	2							
DH4 60-61	205 226	< 5	-----	2							
DH4 61-62	205 226	< 5	-----	4							
DH4 62-63	205 226	< 5	-----	1							
DH4 63-64	205 226	< 5	-----	2							
DH4 64-65	205 226	< 5	-----	2							
DH4 65-66	205 226	210	-----	20							
DH4 66-67	205 226	20	-----	8							
DH4 67-68	205 226	< 5	-----	6							
DH4 68-69	205 226	< 5	-----	2							
DH4 69-70	205 226	< 5	-----	2							
DH4 70-71	205 226	< 5	-----	2							
DH4 71-72	205 226	< 5	-----	2							
DH4 72-73	205 226	< 5	-----	2							
DH4 73-74	205 226	< 5	-----	2							
DH4 74-75	205 226	< 5	-----	2							
DH4 75-76	205 226	< 5	-----	1							
DH4 76-77	205 226	< 5	-----	1							
DH4 77-78	205 226	< 5	-----	2							
DH4 78-79	205 226	< 5	-----	2							
DH4 79-80	205 226	< 5	-----	2							
DH4 80-81	205 226	< 5	-----	1							
DH4 81-82	205 226	< 5	-----	2							
DH4 82-83	205 226	< 5	-----	2							
DH4 83-84	205 226	< 5	-----	2							
DH4 84-85	205 226	< 5	-----	2							
DH4 85-86	205 226	< 5	-----	1							
DH4 86-87	205 226	< 5	-----	1							
DH4 87-88	205 226	< 5	-----	2							
DH4 88-89	205 226	< 5	-----	2							
DH4 89-90	205 226	< 5	-----	1							
DH4 90-91	205 226	< 5	-----	1							
DH4 91-92	205 226	< 5	-----	2							
DH4 92-93	205 226	< 5	-----	2							

CERTIFICATION

Hart Bickler



Chemex Labs, Inc.

Analytical Chemists * Geochemists * Registered Assayers
994 Glendale Ave., Unit 3, Sparks
Nevada, U.S.A. 89431
PHONE 702 356 5395 FAX 702 355 0179

To: VIKING GOLD CORPORATION

LEVEL 8, 261 GEORGE ST.
SYDNEY, NEW SOUTH WALES
2000 AUSTRALIA

A9642563

Comments: ATTN: BILL FLESHMAN FAX: ROSS DAY

CERTIFICATE

A9642563

(OIC) - VIKING GOLD CORPORATION

Project: DH 5
P.O. #

Samples submitted to our lab in Vancouver, BC.
This report was printed on 7-FEB-97.

SAMPLE PREPARATION

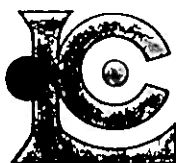
CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
205	64	Geochem ring to approx 150 mesh
226	64	0-3 Kg crush and split
3202	64	Rock - save entire reject

ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
983	64	Au ppb: Fuse 30 g sample	FA-AAS	5	10000
13	64	As ppm: HNO3-aqua regia digest	AAS-HYDRIDE/EDL	1	10000

The results of this assay were based solely upon the content of the sample submitted. Any decision to invest should be made only after the potential investment value of the claim or deposit has been determined based on the results of assays of multiple samples of geologic materials collected by the prospective investor or by a qualified person selected by him/her and based on an evaluation of all engineering data which is available concerning any proposed project.

Statement required by Nevada State Law NRS 519



Chemex Labs, Inc.

Analytical Chemists • Geochemists • Registered Assayers

994 Glendale Ave., Unit 3, Sparks
Nevada, U.S.A. 89431
PHONE: 702 356 5395 FAX: 702 355 0179

To: VIKING GOLD CORPORATION

LEVEL 8, 261 GEORGETOWN
SYDNEY, NEW SOUTH WALES
2000 AUSTRALIA

Project: DH 5
Comments: ATTN: BILL FLESHMAN FAX: ROSS DAY

Page Number : 1
Total Pages : 2
Certificate Date : DEC-96
Invoice No. : 42563
P.O. Number :
Account : OIC

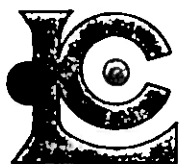
CERTIFICATE OF ANALYSIS

A9642563

SAMPLE	PREP CODE	Au ppb FA+AA	As ppm								
DH5 06-07	205 226	< 5	6								
DH5 07-08	205 226	< 5	1								
DH5 08-09	205 226	< 5	1								
DH5 09-10	205 226	< 5	2								
DH5 10-11	205 226	< 5	10								
DH5 11-12	205 226	< 5	34								
DH5 12-13	205 226	< 5	1								
DH5 13-14	205 226	< 5	10								
DH5 14-15	205 226	< 5	12								
DH5 15-16	205 226	< 5	1								
DH5 16-17	205 226	< 5	1								
DH5 17-18	205 226	< 5	8								
DH5 18-19	205 226	< 5	1								
DH5 19-20	205 226	< 5	350								
DH5 20-21	205 226	< 5	320								
DH5 21-22	205 226	< 5	100								
DH5 22-23	205 226	< 5	48								
DH5 23-24	205 226	100	6000								
DH5 24-25	205 226	< 5	80								
DH5 25-26	205 226	15	1660								
DH5 26-27	205 226	< 5	24								
DH5 27-28	205 226	< 5	320								
DH5 28-29	205 226	25	6								
DH5 29-30	205 226	< 5	14								
DH5 40-41	205 226	< 5	1								
DH5 41-42	205 226	< 5	1								
DH5 42-43	205 226	< 5	42								
DH5 43-44	205 226	< 5	1								
DH5 44-45	205 226	< 5	6								
DH5 45-46	205 226	< 5	46								
DH5 46-47	205 226	< 5	1								
DH5 47-48	205 226	< 5	22								
DH5 48-49	205 226	< 5	1								
DH5 49-50	205 226	< 5	1								
DH5 50-51	205 226	< 5	4								
DH5 51-52	205 226	< 5	6								
DH5 52-53	205 226	< 5	1								
DH5 53-54	205 226	< 5	1								
DH5 54-55	205 226	< 5	4								
DH5 55-56	205 226	< 5	1								

CERTIFICATION:

Harry Buchler



Chemex Labs, Inc.

Analytical Chemists • Geochemists • Registered Assayers

994 Glendale Ave., Unit 3,
Nevada, U.S.A.

Sparks
89431

PHONE: 702-356-5395 FAX: 702-355-0179

To: VIKING GOLD CORPORATION

LEVEL 8, 261 GEORGE ST.
SYDNEY, NEW SOUTH WALES
2000 AUSTRALIA

Project: DH 5

Comments: ATTN: BILL FLESHMAN FAX: ROSS DAY

Page Number : 2
Total Pages : 2
Certificate Date : DEC-96
Invoice No. : A9642563
P.O. Number :
Account : OIC

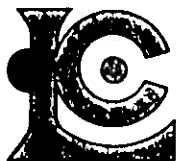
CERTIFICATE OF ANALYSIS

A9642563

SAMPLE	PREP CODE	Au ppb FA+AA	As ppm										
DH5 56-57	205 226	< 5	2										
DH5 57-58	205 226	< 5	16										
DH5 58-59	205 226	< 5	18										
DH5 59-60	205 226	< 5	2										
DH5 70-71	205 226	< 5	2										
DH5 71-72	205 226	< 5	1										
DH5 72-73	205 226	< 5	2										
DH5 73-74	205 226	< 5	2										
DH5 74-75	205 226	< 5	2										
DH5 75-76	205 226	< 5	2										
DH5 76-77	205 226	< 5	22										
DH5 77-78	205 226	< 5	40										
DH5 78-79	205 226	30	1370										
DH5 79-80	205 226	< 5	12										
DH5 90-91	205 226	< 5	2										
DH5 91-92	205 226	< 5	1										
DH5 92-93	205 226	< 5	2										
DH5 93-94	205 226	< 5	1										
DH5 94-95	205 226	< 5	2										
DH5 95-96	205 226	< 5	2										
DH5 96-97	205 226	< 5	2										
DH5 97-98	205 226	< 5	1										
DH5 98-99	205 226	< 5	2										
DH5 99-100	205 226	< 5	2										

CERTIFICATION:

Hart Bichler



Chemex Labs, Inc.

Analytical Chemists • Geochemists • Registered Assayers

994 Glendale Ave., Unit 3,
Nevada, U.S.A.

Sparks
89431

PHONE: 702-356-5395 FAX: 702-355-0179

To: VIKING GOLD CORPORATION

LEVEL 8, 261 GEORGE ST.
SYDNEY, NEW SOUTH WALES
2000 AUSTRALIA

A9642564

Comments: ATTN: BILL FLESHMAN FAX: ROSS DAY

CERTIFICATE

A9642564

(OIC) - VIKING GOLD CORPORATION

Project: DH 6
P.O. #:

Samples submitted to our lab in Vancouver, BC.
This report was printed on 7-FEB-97.

SAMPLE PREPARATION

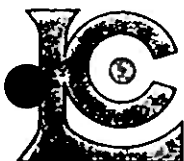
CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
205	52	Geochem ring to approx 150 mesh
226	52	0-3 Kg crush and split
3202	52	Rock - save entire reject

ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
983	52	Au ppb: Fuse 30 g sample	FA-AAS	5	10000
13	52	As ppm: HNO3-aqua regia digest	AAS-HYDRIDE/EDL	1	10000

The results of this assay were based solely upon the content of the sample submitted. Any decision to invest should be made only after the potential investment value of the claim or deposit has been determined based on the results of assays of multiple samples of geologic materials collected by the prospective investor or by a qualified person selected by him/her and based on an evaluation of all engineering data which is available concerning any proposed project.

Statement required by Nevada State Law NRS 519



Chemex Labs, Inc.

Analytical Chemists • Geochemists • Certified Assayers

994 Glendale Ave., Unit 3,
Nevada, U.S.A.

Sparks
89431

PHONE: 702-356-5395 FAX: 702-355-0179

To: VIKING GOLD CORPORATION
LEVEL 8, 261 GEORGE ST.
SYDNEY, NEW SOUTH WALES
2000 AUSTRALIA

Project: DH 6
Comments: ATTN: BILL FLESHMAN FAX: ROSS DAY

Page Number : 1
Total Pages : 2
Certificate Date : 13 DEC-96
Invoice No. : A9642564
P.O. Number :
Account : OIC

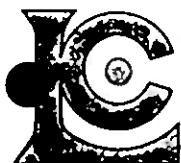
CERTIFICATE OF ANALYSIS

A9642564

SAMPLE	PREP CODE	Au ppb FA+AA	As ppm									
DH6 08-09	205 226	< 5	2									
DH6 09-10	205 226	< 5	2									
DH6 10-11	205 226	< 5	1									
DH6 11-12	205 226	< 5	2									
DH6 12-13	205 226	< 5	4									
DH6 13-14	205 226	< 5	2									
DH6 14-15	205 226	< 5	20									
DH6 15-16	205 226	< 5	10									
DH6 16-17	205 226	< 5	2									
DH6 17-18	205 226	< 5	92									
DH6 18-19	205 226	15	40									
DH6 19-20	205 226	10	252									
DH6 20-21	205 226	< 5	70									
DH6 21-22	205 226	25	1780									
DH6 22-23	205 226	15	2450									
DH6 23-24	205 226	110	8300									
DH6 24-25	205 226	15	1500									
DH6 25-26	205 226	< 5	96									
DH6 26-27	205 226	< 5	274									
DH6 27-28	205 226	< 5	58									
DH6 28-29	205 226	< 5	12									
DH6 29-30	205 226	< 5	88									
DH6 30-31	205 226	< 5	14									
DH6 31-32	205 226	< 5	6									
DH6 32-33	205 226	< 5	2									
DH6 33-34	205 226	< 5	4									
DH6 34-35	205 226	< 5	4									
DH6 35-36	205 226	< 5	2									
DH6 36-37	205 226	< 5	6									
DH6 37-38	205 226	< 5	4									
DH6 38-39	205 226	< 5	10									
DH6 39-40	205 226	< 5	6									
DH6 40-41	205 226	< 5	2									
DH6 41-42	205 226	< 5	48									
DH6 42-43	205 226	< 5	4									
DH6 43-44	205 226	< 5	2									
DH6 44-45	205 226	< 5	8									
DH6 45-46	205 226	< 5	32									
DH6 46-47	205 226	< 5	14									
DH6 47-48	205 226	< 5	34									

CERTIFICATION:

Hart Bichler



Chemex Labs, Inc.

Analytical Chemists • Geochemists • Registered Assayers

994 Glendale Ave., Unit 3,
Nevada, U.S.A.

Sparks
89431

PHONE: 702-356-5395 FAX: 702-355-0179

To: VIKING GOLD CORPORATION

LEVEL 8, 261 GEORGE ST.
SYDNEY, NEW SOUTH WALES
2000 AUSTRALIA

Project: DH 6

Comments: ATTN: BILL FLESHMAN FAX: ROSS DAY

Page Number : 2
Total Pages : 2
Certificate Date : DEC-96
Invoice No. : 42564
P.O. Number :
Account : OIC

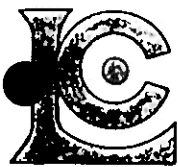
CERTIFICATE OF ANALYSIS

A9642564

SAMPLE	PREP CODE		Au ppb FA+AA	As ppm								
DH6 48-49	205	226	< 5	10								
DH6 49-50	205	226	< 5	32								
DH6 50-51	205	226	< 5	4								
DH6 51-52	205	226	< 5	1								
DH6 52-53	205	226	< 5	1								
DH6 53-54	205	226	< 5	2								
DH6 54-55	205	226	< 5	4								
DH6 55-56	205	226	< 5	6								
DH6 56-57	205	226	< 5	6								
DH6 57-58	205	226	< 5	1								
DH6 58-59	205	226	< 5	2								
DH6 59-60	205	226	< 5	1								

CERTIFICATION:

Paul Bickler



Chemex Labs, Inc.

Analytical Chemists * Geochemists * Registered Assayers

994 Glendale Ave., Unit 3,
Nevada, U.S.A.

Sparks
89431

PHONE: 702-356-5395 FAX: 702-355-0179

To: VIKING GOLD CORPORATION

LEVEL 8, 261 GEORGE ST.
SYDNEY, NEW SOUTH WALES
2000 AUSTRALIA

A9642566

Comments: ATTN: BILL FLESHMAN FAX: ROSS DAY

CERTIFICATE

A9642566

(OIC) - VIKING GOLD CORPORATION

Project: DH 8
P.O. #:

Samples submitted to our lab in Vancouver, BC.
This report was printed on 7-FEB-97.

SAMPLE PREPARATION

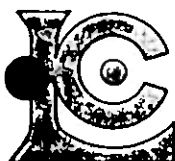
CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
205	48	Geochem ring to approx 150 mesh
226	48	0-3 Kg crush and split
3202	48	Rock - save entire reject

ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
983	48	Au ppb: Fuse 30 g sample	FA-AAS	5	10000
13	48	As ppm: HNO3-aqua regia digest	AAS-HYDRIDE/EDL	1	10000

The results of this assay were based solely upon the content of the sample submitted. Any decision to invest should be made only after the potential investment value of the claim or deposit has been determined based on the results of assays of multiple samples of geologic materials collected by the prospective investor or by a qualified person selected by him/her and based on an evaluation of all engineering data which is available concerning any proposed project.

Statement required by Nevada State Law NRS 519



Chemex Labs, Inc.

Analytical Chemists • Geochemists • Registered Assayers

994 Glendale Ave., Unit 3,
Nevada, U.S.A.

Sparks
89431

PHONE: 702-356-5395 FAX: 702-355-0179

To: VIKING GOLD CORPORATION

LEVEL 8, 261 GEORGETOWN
SYDNEY, NEW SOUTH WALES
2000 AUSTRALIA

Project: DH 8

Comments: ATTN: BILL FLESHMAN FAX: ROSS DAY

Page Number : 1
Total Pages : 2
Certificate Date : DEC-96
Invoice No. : 42566
P.O. Number :
Account : OIC

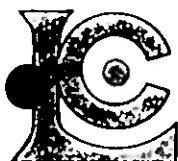
CERTIFICATE OF ANALYSIS

A9642566

SAMPLE	PREP CODE	Au ppb FA+AA	As ppm								
DH8 02-03	205 226	< 5	2								
DH8 03-04	205 226	< 5	52								
DH8 04-05	205 226	< 5	42								
DH8 05-06	205 226	< 5	406								
DH8 06-07	205 226	< 5	2								
DH8 07-08	205 226	< 5	2								
DH8 08-09	205 226	< 5	6								
DH8 09-10	205 226	105	198								
DH8 10-11	205 226	< 5	12								
DH8 11-12	205 226	30	208								
DH8 12-13	205 226	< 5	18								
DH8 13-14	205 226	< 5	64								
DH8 14-15	205 226	< 5	90								
DH8 15-16	205 226	< 5	1								
DH8 16-17	205 226	< 5	2								
DH8 17-18	205 226	< 5	2								
DH8 18-19	205 226	< 5	2								
DH8 19-20	205 226	< 5	2								
DH8 20-21	205 226	< 5	1								
DH8 21-22	205 226	< 5	2								
DH8 22-23	205 226	< 5	2								
DH8 23-24	205 226	< 5	1								
DH8 24-25	205 226	< 5	2								
DH8 25-26	205 226	< 5	2								
DH8 26-27	205 226	< 5	2								
DH8 27-28	205 226	< 5	8								
DH8 28-29	205 226	< 5	1								
DH8 29-30	205 226	< 5	1								
DH8 30-31	205 226	< 5	2								
DH8 31-32	205 226	< 5	2								
DH8 32-33	205 226	< 5	2								
DH8 33-34	205 226	< 5	100								
DH8 34-35	205 226	< 5	22								
DH8 35-36	205 226	< 5	1								
DH8 36-37	205 226	5	380								
DH8 37-38	205 226	< 5	48								
DH8 38-39	205 226	35	760								
DH8 39-40	205 226	15	122								
DH8 40-41	205 226	10	560								
DH8 41-42	205 226	15	910								

CERTIFICATION:

Hart Bichler



Chemex Labs, Inc.

Analytical Chemists • Geochemists • Registered Assayers

994 Glendale Ave., Unit 3, Sparks
Nevada, U.S.A. 89431
PHONE: 702-356-5395 FAX: 702-355-0179

To: VIKING GOLD CORPORATION

LEVEL 8, 261 GEORGE ST.
SYDNEY, NEW SOUTH WALES
2000 AUSTRALIA

Project: DH 8
Comments: ATTN: BILL FLESHMAN FAX: ROSS DAY

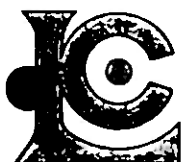
Page Number: 2
Total Pages: 2
Certificate Date: 18 DEC 96
Invoice No.: 42566
P.O. Number:
Account: OIC

CERTIFICATE OF ANALYSIS

A9642566

SAMPLE	PREP CODE	Au ppb FA+AA	As ppm								
DH8 42-43	205 226	< 5	6								
DH8 43-44	205 226	150	124								
DH8 44-45	205 226	< 5	6								
DH8 45-46	205 226	5	72								
DH8 46-47	205 226	5	20								
DH8 47-48	205 226	< 5	4								
DH8 48-49	205 226	< 5	20								
DH8 49-50	205 226	30	660								

CERTIFICATION: Hart Bichler



Chemex Labs, Inc.

Analytical Chemists • Geochemists • Registered Assayers

994 Glendale Ave., Unit 3,
Nevada, U.S.A.

Sparks
89431

PHONE: 702-356-5395 FAX: 702-355-0179

To: VIKING GOLD CORPORATION

LEVEL 8, 261 GEORGE ST.
SYDNEY, NEW SOUTH WALES
2000 AUSTRALIA

A9642565

Comments: ATTN: BILL FLESHMAN FAX: ROSS DAY

CERTIFICATE

A9642565

(OIC) - VIKING GOLD CORPORATION

Project DH 8
P.O. #

Samples submitted to our lab in Vancouver, BC.
This report was printed on 7-FEB-97.

SAMPLE PREPARATION

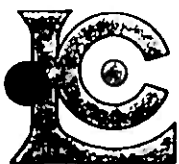
CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
205	38	Geochem ring to approx 150 mesh
226	38	0-3 Kg crush and split
3202	38	Rock - save entire reject

ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
983	38	Au ppb: Fuse 30 g sample	FA-AAS	5	10000
13	38	As ppm: HNO ₃ -aqua regia digest	AAS-HYDRIDE/EDL	1	10000

The results of this assay were based solely upon the content of the sample submitted. Any decision to invest should be made only after the potential investment value of the claim or deposit has been determined based on the results of assays of multiple samples of geologic materials collected by the prospective investor or by a qualified person selected by him/her and based on an evaluation of all engineering data which is available concerning any proposed project.

Statement required by Nevada State Law NRS 519



Chemex Labs, Inc.

Analytical Chemists • Geochemists • Placer Assayers

994 Glendale Ave., Unit 3,
Nevada, U.S.A.

Sparks
89431

PHONE 702-356-5395 FAX 702-355-0179

To: VIKING GOLD CORPORATION

LEVEL 8, 261 GEORGE ST
SYDNEY, NEW SOUTH WALES
2000 AUSTRALIA

Project: DH8

Comments: ATTN: BILL FLESHMAN FAX: ROSS DAY

Page Number: 1

Total Pages: 1

Certificate Date: DEC-96

Invoice No: 42565

P.O. Number:

Account: OIC

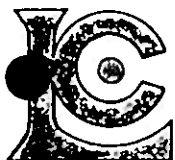
CERTIFICATE OF ANALYSIS

A9642565

SAMPLE	PREP CODE	Au ppb FA+AA	As ppm								
DH8 50-51	205 226	10	240								
DH8 51-52	205 226	10	76								
DH8 52-53	205 226	< 5	50								
DH8 53-54	205 226	30	154								
DH8 54-55	205 226	265	1190								
DH8 55-56	205 226	4370	800								
DH8 56-57	205 226	1790	7400								
DH8 57-58	205 226	315	3600								
DH8 58-59	205 226	5760	2000								
DH8 59-60	205 226	6530	3950								
DH8 60-61	205 226	315	370								
DH8 61-62	205 226	80	780								
DH8 62-63	205 226	35	132								
DH8 63-64	205 226	65	24								
DH8 64-65	205 226	30	90								
DH8 65-66	205 226	25	32								
DH8 66-67	205 226	25	42								
DH8 67-68	205 226	20	141								
DH8 68-69	205 226	20	840								
DH8 69-70	205 226	< 5	194								
DH8 70-71	205 226	< 5	46								
DH8 71-72	205 226	< 5	166								
DH8 72-73	205 226	< 5	192								
DH8 73-74	205 226	< 5	250								
DH8 74-75	205 226	10	820								
DH8 75-76	205 226	< 5	424								
DH8 76-77	205 226	30	12								
DH8 77-78	205 226	10	16								
DH8 78-79	205 226	< 5	66								
DH8 79-80	205 226	< 5	122								
DH8 80-81	205 226	< 5	58								
DH8 81-82	205 226	< 5	14								
DH8 82-83	205 226	< 5	8								
DH8 83-84	205 226	< 5	2								
DH8 84-85	205 226	< 5	1								
DH8 85-86	205 226	< 5	2								
DH8 86-87	205 226	< 5	4								
DH8 87-88	205 226	< 5	6								

CERTIFICATION

Hart Biehler



Chemex Labs, Inc.

Analytical Chemists • Geochemists • Registered Assayers

994 Glendale Ave., Unit 3,

Nevada, U.S.A.

PHONE: 702 356 5395 FAX: 702 355 0179

Sparks

89431

To: VIKING GOLD CORPORATION

LEVEL 8, 261 GEORGE ST.
SYDNEY, NEW SOUTH WALES
2000 AUSTRALIA

A9642567

Comments: ATTN: BILL FLESHMAN FAX: ROSS DAY

CERTIFICATE

A9642567

(OIC) - VIKING GOLD CORPORATION

Project: DH 10

P.O. #:

Samples submitted to our lab in Vancouver, BC.
This report was printed on 7-FEB-97.

SAMPLE PREPARATION

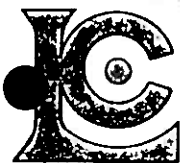
CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
205	36	Geochem ring to approx 150 mesh
226	36	0-3 Kg crush and split
3202	36	Rock - save entire reject

ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
983	36	Au ppb: Fuse 30 g sample	FA-AAS	5	10000
13	36	As ppm: HNO3-aqua regia digest	AAS-HYDRIDE/EDL	1	10000

The results of this assay were based solely upon the content of the sample submitted. Any decision to invest should be made only after the potential investment value of the claim or deposit has been determined based on the results of assays of multiple samples of geologic materials collected by the prospective investor or by a qualified person selected by him/her and based on an evaluation of all engineering data which is available concerning any proposed project.

Statement required by Nevada State Law NRS 519



Chemex Labs, Inc.

Analytical Chemists • Geochemists • Registered Assayers

994 Glendale Ave., Unit 3,
Nevada, U.S.A.

Sparks
89431

PHONE: 702 356 5395 FAX: 702 355 0179

To: VIKING GOLD CORPORATION

LEVEL 8, 261 GEORGE ST.
SYDNEY, NEW SOUTH WALES
2000 AUSTRALIA

Project: DH 10

Comments: ATTN BILL FLESHMAN FAX ROSS DAY

Page Number: 1

Total Pages: 1

Certificate Date: 12 DEC 96

Invoice No. 42567

P.O. Number

Account: OIC

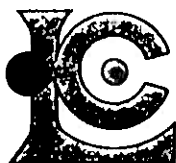
CERTIFICATE OF ANALYSIS

A9642567

SAMPLE	PREP CODE	Au ppb FA+AA	As ppm										
DH10 25-26	205 226	< 5	20										
DH10 26-27	205 226	< 5	20										
DH10 27-28	205 226	< 5	2										
DH10 28-29	205 226	< 5	1										
DH10 29-30	205 226	< 5	1										
DH10 30-31	205 226	< 5	1										
DH10 31-32	205 226	< 5	1										
DH10 32-33	205 226	< 5	4										
DH10 33-34	205 226	< 5	4										
DH10 34-35	205 226	< 5	2										
DH10 35-36	205 226	15	100										
DH10 36-37	205 226	< 5	60										
DH10 37-38	205 226	10	540										
DH10 38-39	205 226	20	3150										
DH10 39-40	205 226	20	4800										
DH10 40-41	205 226	45	>10000										
DH10 41-42	205 226	25	2050										
DH10 42-43	205 226	< 5	40										
DH10 43-44	205 226	< 5	28										
DH10 44-45	205 226	5	118										
DH10 45-46	205 226	25	700										
DH10 46-47	205 226	15	820										
DH10 47-48	205 226	15	1510										
DH10 48-49	205 226	45	6500										
DH10 49-50	205 226	< 5	392										
DH10 77-78	205 226	55	4450										
DH10 78-79	205 226	20	3350										
DH10 79-80	205 226	10	500										
DH10 80-81	205 226	125	9700										
DH10 81-82	205 226	180	>10000										
DH10 82-83	205 226	50	3700										
DH10 83-84	205 226	10	84										
DH10 84-85	205 226	< 5	16										
DH10 85-86	205 226	< 5	24										
DH10 86-87	205 226	< 5	12										
DH10 87-88	205 226	15	1000										

CERTIFICATION:

Hart Buehler



Chemex Labs, Inc.

Analytical Chemists • Geochemists • Registered Assayers

994 Glendale Ave., Unit 3,
Nevada, U.S.A.

Sparks
89431

PHONE: 702-356-5395 FAX: 702-355-0179

To: VIKING GOLD CORPORATION

LEVEL 8, 261 GEORGETOWN
SYDNEY, NEW SOUTH WALES
2000 AUSTRALIA

A9642568

Comments: ATTN: BILL FLESHMAN FAX: ROSS DAY

CERTIFICATE

A9642568

(OIC) - VIKING GOLD CORPORATION

Project: DH 11
P.O. #:

Samples submitted to our lab in Vancouver, BC.
This report was printed on 7-FEB-97.

SAMPLE PREPARATION

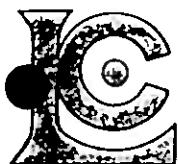
CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
205	40	Geochem ring to approx 150 mesh
226	40	0-3 Kg crush and split
3202	40	Rock - save entire reject

ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
983	40	Au ppb: Fuse 30 g sample	FA-AAS	5	10000
997	1	Au g/t: 1 assay ton, grav.	FA-GRAVIMETRIC	0.07	1000.0
13	40	As ppm: HNO ₃ -aqua regia digest	AAS-HYDRIDE/EDL	1	10000

The results of this assay were based solely upon the content of the sample submitted. Any decision to invest should be made only after the potential investment value of the claim or deposit has been determined based on the results of assays of multiple samples of geologic materials collected by the prospective investor or by a qualified person selected by him/her and based on an evaluation of all engineering data which is available concerning any proposed project

Statement required by Nevada State Law NRS 519



Chemex Labs, Inc.

Analytical Chemists • Geochemists • Registered Assayers

994 Glendale Ave., Unit 3,
Nevada, U.S.A.

Sparks
89431

PHONE: 702-356-5395 FAX: 702-355-0179

To: VIKING GOLD CORPORATION

LEVEL 8, 261 GEORGE ST.
SYDNEY, NEW SOUTH WALES
2000 AUSTRALIA

Project: DH 11

Comments: ATTN: BILL FLESHMAN FAX: ROSS DAY

Page Number: 1

Total Pages: 1

Certificate Date: DEC-96

Invoice No. 42568

P.O. Number

Account: OIC

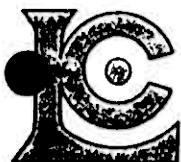
CERTIFICATE OF ANALYSIS

A9642568

SAMPLE	PREP CODE	Au ppb FA+AA	Au FA g/t	As ppm							
DH11 80-81	205 226	< 5	-----	780							
DH11 81-82	205 226	< 5	-----	1440							
DH11 82-83	205 226	10	-----	1530							
DH11 83-84	205 226	< 5	-----	60							
DH11 84-85	205 226	< 5	-----	590							
DH11 85-86	205 226	< 5	-----	198							
DH11 86-87	205 226	< 5	-----	220							
DH11 87-88	205 226	< 5	-----	156							
DH11 88-89	205 226	< 5	-----	94							
DH11 89-90	205 226	< 5	-----	38							
DH11 90-91	205 226	< 5	-----	252							
DH11 91-92	205 226	< 5	-----	60							
DH11 92-93	205 226	< 5	-----	36							
DH11 93-94	205 226	< 5	-----	2							
DH11 94-95	205 226	< 5	-----	120							
DH11 95-96	205 226	< 5	-----	48							
DH11 96-97	205 226	295	-----	4800							
DH11 97-98	205 226	10	-----	302							
DH11 98-99	205 226	< 5	-----	8							
DH11 99-100	205 226	< 5	-----	178							
DH11 100-101	205 226	5	-----	50							
DH11 101-102	205 226	15	-----	1140							
DH11 102-103	205 226	15	-----	990							
DH11 103-104	205 226	790	-----	1170							
DH11 104-105	205 226	40	-----	180							
DH11 105-106	205 226	205	-----	3550							
DH11 106-107	205 226	30	-----	424							
DH11 107-108	205 226	< 5	-----	302							
DH11 108-109	205 226	50	-----	1030							
DH11 109-110	205 226	< 5	-----	92							
DH11 110-111	205 226	850	-----	>10000							
DH11 111-112	205 226	25	-----	1100							
DH11 112-113	205 226	< 5	-----	42							
DH11 113-114	205 226	30	-----	234							
DH11 114-115	205 226	910	-----	4550							
DH11 115-116	205 226	740	-----	2400							
DH11 116-117	205 226	2070	-----	>10000							
DH11 117-118	205 226	>10000	23.55	>10000							
DH11 118-119	205 226	3170	-----	>10000							
DH11 119-120	205 226	230	-----	1140							

CERTIFICATION:

Hart Bickler



Chemex Labs, Inc.

Analytical Chemists * Geochemists * Registered Assayers

994 Glendale Ave., Unit 3,
Nevada, U.S.A.

Sparks
89431

PHONE 702 356-5395 FAX: 702 355-0179

To: VIKING GOLD CORPORATION

LEVEL 8, 261 GEORGETOWN
SYDNEY, NEW SOUTH WALES
2000 AUSTRALIA

A9642569

Comments: ATTN BILL FLESHMAN FAX ROSS DAY

CERTIFICATE

A9642569

(OIC) - VIKING GOLD CORPORATION

Project DH 15
P.O. #

Samples submitted to our lab in Vancouver, BC.
This report was printed on 7-FEB-97.

SAMPLE PREPARATION

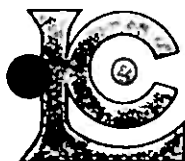
CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
205	51	Geochem ring to approx 150 mesh
226	51	0-3 Kg crush and split
3202	51	Rock - save entire reject

ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
983	51	Au ppb: Fuse 30 g sample	FA-AAS	5	10000
997	2	Au g/t: 1 assay ton, grav.	FA-GRAVIMETRIC	0.07	1000.0
13	51	As ppm: HNO3-aqua regia digest	AAS-HYDRIDE/EDL	1	10000

The results of this assay were based solely upon the content of the sample submitted. Any decision to invest should be made only after the potential investment value of the claim or deposit has been determined based on the results of assays of multiple samples of geologic materials collected by the prospective investor or by a qualified person selected by him/her and based on an evaluation of all engineering data which is available concerning any proposed project.

Statement required by Nevada State Law NRS 519



Chemex Labs, Inc.

Analytical Chemists • Geochemists • Registered Assayers

994 Glendale Ave., Unit 3,
Nevada, U.S.A.

Sparks
89431

PHONE: 702-356-5395 FAX: 702-355-0179

To: VIKING GOLD CORPORATION

LEVEL 8, 261 GEORGE ST.
SYDNEY, NEW SOUTH WALES
2000 AUSTRALIA

Project: DH 15
Comments: ATTN: BILL FLESHMAN FAX: ROSS DAY

Page Number : 1
Total Pages : 2
Certificate Date : DEC. 96
Invoice No. : A9642569
P.O. Number :
Account : OIC

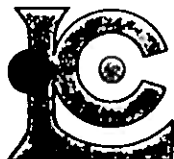
CERTIFICATE OF ANALYSIS

A9642569

SAMPLE	PREP CODE	Au ppb FA+AA	Au FA g/t	As ppm							
DH15 19-20	205 226	< 5	-----	42							
DH15 20-21	205 226	20	-----	880							
DH15 21-22	205 226	10	-----	1080							
DH15 22-23	205 226	< 5	-----	52							
DH15 23-24	205 226	225	-----	3350							
DH15 24-25	205 226	1430	-----	>10000							
DH15 25-26	205 226	330	-----	4600							
DH15 26-27	205 226	775	-----	482							
DH15 27-28	205 226	6520	-----	2950							
DH15 28-29	205 226	>10000	25.47	338							
DH15 29-30	205 226	6770	-----	800							
DH15 30-31	205 226	710	-----	970							
DH15 31-32	205 226	1350	-----	>10000							
DH15 32-33	205 226	6030	-----	>10000							
DH15 33-34	205 226	1030	-----	190							
DH15 34-35	205 226	4110	-----	2300							
DH15 35-36	205 226	>10000	46.49	482							
DH15 36-37	205 226	7030	-----	1270							
DH15 37-38	205 226	175	-----	288							
DH15 38-39	205 226	540	-----	770							
DH15 39-40	205 226	1240	-----	312							
DH15 40-41	205 226	< 5	-----	12							
DH15 41-42	205 226	225	-----	3250							
DH15 42-43	205 226	< 5	-----	24							
DH15 43-44	205 226	< 5	-----	18							
DH15 44-45	205 226	< 5	-----	8							
DH15 45-46	205 226	< 5	-----	4							
DH15 46-47	205 226	20	-----	26							
DH15 47-48	205 226	25	-----	2							
DH15 48-49	205 226	< 5	-----	2							
DH15 49-50	205 226	35	-----	24							
DH15 50-51	205 226	70	-----	62							
DH15 51-52	205 226	< 5	-----	12							
DH15 52-53	205 226	135	-----	2							
DH15 53-54	205 226	15	-----	1							
DH15 54-55	205 226	< 5	-----	2							
DH15 55-56	205 226	< 5	-----	2							
DH15 56-57	205 226	< 5	-----	1							
DH15 57-58	205 226	< 5	-----	2							
DH15 58-59	205 226	< 5	-----	2							

CERTIFICATION:

Hart Bickler



Chemex Labs, Inc.

Analytical Chemists * Geochemists * Registered Assayers

994 Glendale Ave., Unit 3, Sparks
Nevada, U.S.A. 89431
PHONE: 702-356-5395 FAX: 702-355-0179

To: VIKING GOLD CORPORATION

LEVEL 8, 261 GEORGETOWN
SYDNEY, NEW SOUTH WALES
2000 AUSTRALIA

Project: DH 15
Comments: ATTN: BILL FLESHMAN FAX: ROSS DAY

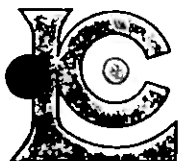
Page Number : 2
Total Pages : 2
Certificate Date: DEC-96
Invoice No.: 42569
P.O. Number :
Account : OIC

CERTIFICATE OF ANALYSIS

A9642569

SAMPLE	PREP CODE	Au ppb FA+AA	Au FA g/t	As ppm							
DH15 59-60	205 226	< 5	-----	1							
DH15 60-61	205 226	< 5	-----	2							
DH15 61-62	205 226	< 5	-----	1							
DH15 62-63	205 226	< 5	-----	2							
DH15 63-64	205 226	< 5	-----	2							
DH15 64-65	205 226	< 5	-----	1							
DH15 65-66	205 226	< 5	-----	1							
DH15 66-67	205 226	10	-----	24							
DH15 67-68	205 226	< 5	-----	1							
DH15 68-69	205 226	< 5	-----	2							
DH15 69-70	205 226	25	-----	2							

CERTIFICATION: Hart Bickler



Chemex Labs, Inc.

Analytical Chemists * Geochemists * Registered Assayers

994 Glendale Ave., Unit 3,
Nevada, U.S.A.

Sparks
89431

PHONE: 702 356 5395 FAX: 702 355 0179

To: VIKING GOLD CORPORATION

LEVEL 8, 261 GEORGETOWN
SYDNEY, NEW SOUTH WALES
2000 AUSTRALIA

A9642570

Comments: ATTN: BILL FLESHMAN FAX: ROSS DAY

CERTIFICATE

A9642570

(OIC) - VIKING GOLD CORPORATION

Project: DH 16
P.O. #:

Samples submitted to our lab in Vancouver, BC.
This report was printed on 7-FEB-97.

SAMPLE PREPARATION

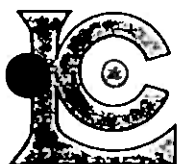
CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
205	32	Geochem ring to approx 150 mesh
226	32	0-3 Kg crush and split
3202	32	Rock - save entire reject

ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
983	32	Au ppb: Fuse 30 g sample	FA-AAS	5	10000
13	32	As ppm: HNO ₃ -aqua regia digest	AAS-HYDRIDE/EDI	1	10000

The results of this assay were based solely upon the content of the sample submitted. Any decision to invest should be made only after the potential investment value of the claim or deposit has been determined based on the results of assays of multiple samples of geologic materials collected by the prospective investor or by a qualified person selected by him/her and based on an evaluation of all engineering data which is available concerning any proposed project.

Statement required by Nevada State Law NRS 519



Chemex Labs, Inc.

Analytical Chemists • Geochemists • Registered Assayers

994 Glendale Ave., Unit 3,
Nevada, U.S.A.

Sparks
89431

PHONE: 702-356-5395 FAX: 702-355-0179

To: VIKING GOLD CORPORATION

LEVEL 8, 261 GEORGETOWN
SYDNEY, NEW SOUTH WALES
2000 AUSTRALIA

Project: DH 16

Comments: ATTN: BILL FLESHMAN FAX: ROSS DAY

Page Number 1
Total Pages 1
Certificate Date DEC-96
Invoice No. A9642570
P.O. Number
Account OIC

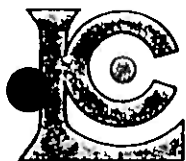
CERTIFICATE OF ANALYSIS

A9642570

SAMPLE	PREP CODE	Au ppb FA+AA	As ppm								
DH16 19-20	205 226	10	10								
DH16 20-21	205 226	< 5	550								
DH16 21-22	205 226	< 5	152								
DH16 22-23	205 226	80	1230								
DH16 23-24	205 226	< 5	78								
DH16 24-25	205 226	110	810								
DH16 25-26	205 226	30	148								
DH16 26-27	205 226	205	1430								
DH16 27-28	205 226	60	358								
DH16 28-29	205 226	10	94								
DH16 29-30	205 226	20	1240								
DH16 30-31	205 226	30	190								
DH16 31-32	205 226	20	64								
DH16 51-52	205 226	165	32								
DH16 52-53	205 226	220	430								
DH16 53-54	205 226	< 5	1								
DH16 54-55	205 226	< 5	6								
DH16 55-56	205 226	295	42								
DH16 56-57	205 226	< 5	2								
DH16 57-58	205 226	< 5	8								
DH16 58-59	205 226	< 5	1								
DH16 59-60	205 226	< 5	2								
DH16 60-61	205 226	40	230								
DH16 61-62	205 226	< 5	2								
DH16 62-63	205 226	30	2								
DH16 63-64	205 226	155	4								
DH16 64-65	205 226	20	2								
DH16 65-66	205 226	< 5	2								
DH16 66-67	205 226	< 5	1								
DH16 67-68	205 226	< 5	6								
DH16 68-69	205 226	< 5	2								
DH16 69-70	205 226	< 5	2								

CERTIFICATION:

Hart Bichler



Chemex Labs, Inc.

Analytical Chemists • Geochemists • Registered Assayers
994 Glendale Ave., Unit 3, Sparks
Nevada, U.S.A. 89431
PHONE: 702-356-5395 FAX: 702-355-0179

To: VIKING GOLD CORPORATION

LEVEL 8, 261 GEORGE ST.
SYDNEY, NEW SOUTH WALES
2000 AUSTRALIA

A9642571

Comments: ATTN: BILL FLESHMAN FAX: ROSS DAY

CERTIFICATE

A9642571

(OIC) - VIKING GOLD CORPORATION

Project: DH 18
P.O. #:

Samples submitted to our lab in Vancouver, BC.
This report was printed on 7-FEB-97.

SAMPLE PREPARATION

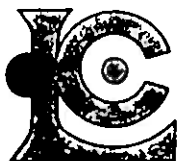
CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
205	17	Geochem ring to approx 150 mesh
226	17	0-3 Kg crush and split
3202	17	Rock - save entire reject

ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
983	17	Au ppb: Fuse 30 g sample	FA-AAS	5	10000
13	17	As ppm: HNO3-aqua regia digest	AAS-HYDRIDE/EDL	1	10000

The results of this assay were based solely upon the content of the sample submitted. Any decision to invest should be made only after the potential investment value of the claim or deposit has been determined based on the results of assays of multiple samples of geologic materials collected by the prospective investor or by a qualified person selected by him/her and based on an evaluation of all engineering data which is available concerning any proposed project.

Statement required by Nevada State Law NRS 519



Chemex Labs, Inc.

Analytical Chemists * Geochemists * Registered Assayers

994 Glendale Ave., Unit 3,
Nevada, U.S.A.

Sparks
89431

PHONE: 702 356 5395 FAX: 702 355 0179

To: VIKING GOLD CORPORATION

LEVEL 8, 261 GEORGE ST.
SYDNEY, NEW SOUTH WALES
2000 AUSTRALIA

Project : DH 18

Comments: ATTN: BILL FLESHMAN FAX: ROSS DAY

Page Number : 1
Total Pages : 1
Certificate Date : DEC-96
Invoice No. : A9642571
P.O. Number :
Account : OIC

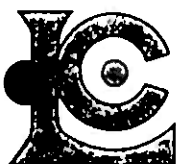
CERTIFICATE OF ANALYSIS

A9642571

SAMPLE	PREP CODE		Au ppb FA+AA	As ppm							
DH18 35-36	205	226	130	12							
DH18 36-37	205	226	30	76							
DH18 37-38	205	226	< 5	136							
DH18 38-39	205	226	< 5	54							
DH18 39-40	205	226	< 5	66							
DH18 40-41	205	226	< 5	2							
DH18 41-42	205	226	< 5	2							
DH18 42-43	205	226	145	850							
DH18 43-44	205	226	85	1270							
DH18 44-45	205	226	< 5	100							
DH18 45-46	205	226	110	8							
DH18 46-47	205	226	85	34							
DH18 47-48	205	226	20	224							
DH18 48-49	205	226	< 5	18							
DH18 49-50	205	226	< 5	8							
DH18 50-51	205	226	1800	1090							
DH18 51-52	205	226	65	10							

CERTIFICATION

Hart Bickler



Chemex Labs, Inc.

Analytical Chemists • Geochemists • Registered Assayers

994 Glendale Ave., Unit 3,
Nevada, U.S.A.

Sparks
89431

PHONE 702-356-5395 FAX 702-355-0179

To: VIKING GOLD CORPORATION

LEVEL 8, 261 GEORGE ST.
SYDNEY, NEW SOUTH WALES
2000 AUSTRALIA

A9642572

Comments: ATTN: BILL FLESHMAN FAX: ROSS DAY

CERTIFICATE

A9642572

(OIC) - VIKING GOLD CORPORATION

Project DH 32
P.O. #

Samples submitted to our lab in Vancouver, BC.
This report was printed on 7-FEB-97.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
205	30	Geochem ring to approx 150 mesh
226	30	0-3 Kg crush and split
3202	30	Rock - save entire reject

ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
983	30	Au ppb: Fuse 30 g sample	FA-AAS	5	10000
13	30	As ppm: HNO ₃ -aqua regia digest	AAS-HYDRIDE/EDL	1	10000

The results of this assay were based solely upon the content of the sample submitted. Any decision to invest should be made only after the potential investment value of the claim or deposit has been determined based on the results of assays of multiple samples of geologic materials collected by the prospective investor or by a qualified person selected by him/her and based on an evaluation of all engineering data which is available concerning any proposed project.

Statement required by Nevada State Law NRS 519

Chemex Labs, Inc.

Analytical Chemists • Geochemists • Registered Assayers

994 Glendale Ave., Unit 3,
Nevada, U.S.A.

Sparks
89431

PHONE: 702-356-5395 FAX: 702-355-0179

To: VIKING GOLD CORPORATION

LEVEL 8, 261 GEORGE ST.
SYDNEY, NEW SOUTH WALES
2000 AUSTRALIA

Project : DH 32

Comments: ATTN: BILL FLESHMAN FAX: ROSS DAY

Page Number : 1
Total Pages : 1
Certificate Date : DEC-96
Invoice No. : 42572
P.O. Number :
Account : OIC

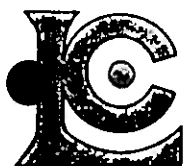
CERTIFICATE OF ANALYSIS

A9642572

SAMPLE	PREP CODE	Au ppb FA+AA	As ppm								
DH32 04-05	205 226	< 5	80								
DH32 05-06	205 226	< 5	62								
DH32 06-07	205 226	395	>10000								
DH32 07-08	205 226	25	474								
DH32 08-09	205 226	< 5	226								
DH32 09-10	205 226	< 5	192								
DH32 10-11	205 226	< 5	14								
DH32 11-12	205 226	10	1040								
DH32 12-13	205 226	< 5	378								
DH32 13-14	205 226	< 5	130								
DH32 14-15	205 226	575	6700								
DH32 15-16	205 226	45	590								
DH32 16-17	205 226	825	>10000								
DH32 17-18	205 226	< 5	28								
DH32 18-19	205 226	15	402								
DH32 19-20	205 226	60	1360								
DH32 20-21	205 226	< 5	60								
DH32 21-22	205 226	< 5	2								
DH32 22-23	205 226	< 5	18								
DH32 23-24	205 226	30	7800								
DH32 24-25	205 226	< 5	372								
DH32 25-26	205 226	305	>10000								
DH32 26-27	205 226	< 5	14								
DH32 27-28	205 226	95	9400								
DH32 28-29	205 226	10	152								
DH32 29-30	205 226	< 5	340								
DH32 30-31	205 226	< 5	462								
DH32 31-32	205 226	< 5	10								
DH32 32-33	205 226	< 5	48								
DH32 33-34	205 226	< 5	2								

CERTIFICATION

Jant Buchler



Chemex Labs, Inc.

Analytical Chemists • Geochemists • Registered Assayers

994 Glendale Ave., Unit 3,
Nevada, U.S.A.

Sparks
89431

PHONE: 702 356 5395 FAX: 702 355 0179

To: VIKING GOLD CORPORATION

LEVEL 8, 261 GEORGE ST.
SYDNEY, NEW SOUTH WALES
2000 AUSTRALIA

A9642577

Comments: ATTN: BILL FLESHMAN FAX: ROSS DAY

CERTIFICATE

A9642577

(OIC) - VIKING GOLD CORPORATION

Project DH 35
P.O. #

Samples submitted to our lab in Vancouver, BC.
This report was printed on 7-FEB-97.

SAMPLE PREPARATION

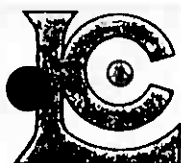
CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
205	94	Geochem ring to approx 150 mesh
226	94	0-3 Kg crush and split
3202	94	Rock - save entire reject

ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
983	94	Au ppb: Fuse 30 g sample	PA-AAS	5	10000
13	94	As ppm: HNO3-aqua regia digest	AAS-HYDRIDE/EDL	1	10000

The results of this assay were based solely upon the content of the sample submitted. Any decision to invest should be made only after the potential investment value of the claim or deposit has been determined based on the results of assays of multiple samples of geologic materials collected by the prospective investor or by a qualified person selected by him/her and based on an evaluation of all engineering data which is available concerning any proposed project.

Statement required by Nevada State Law NRS 519



Chemex Labs, Inc.

Analytical Chemists * Geochemists * Registered Assayers

994 Glendale Ave., Unit 3,
Nevada, U.S.A.

Sparks
89431

PHONE: 702-356-5395 FAX: 702-355-0179

To: VIKING GOLD CORPORATION
LEVEL 8, 261 GEORGE ST.
SYDNEY, NEW SOUTH WALES
2000 AUSTRALIA

Project: DH 35
Comments: ATTN: BILL FLESHMAN FAX: ROSS DAY

Page Number : 1
Total Pages : 3
Certificate Date : 12-DEC-96
Invoice No. : 42577
P.O. Number :
Account : OIC

CERTIFICATE OF ANALYSIS

A9642577

SAMPLE	PREP CODE	Au ppb FA+AA	As ppm									
DH35 01-02	205 226	< 5	100									
DH35 02-03	205 226	< 5	102									
DH35 03-04	205 226	< 5	58									
DH35 04-05	205 226	< 5	298									
DH35 05-06	205 226	80	1260									
DH35 06-07	205 226	< 5	38									
DH35 07-08	205 226	15	1350									
DH35 08-09	205 226	< 5	22									
DH35 09-10	205 226	< 5	134									
DH35 10-11	205 226	< 5	34									
DH35 11-12	205 226	< 5	156									
DH35 12-13	205 226	< 5	346									
DH35 13-14	205 226	< 5	152									
DH35 14-15	205 226	< 5	274									
DH35 15-16	205 226	< 5	202									
DH35 16-17	205 226	< 5	22									
DH35 17-18	205 226	< 5	184									
DH35 18-19	205 226	< 5	50									
DH35 19-20	205 226	40	456									
DH35 20-21	205 226	20	830									
DH35 21-22	205 226	1240	5700									
DH35 22-23	205 226	20	108									
DH35 23-24	205 226	20	226									
DH35 24-25	205 226	< 5	108									
DH35 25-26	205 226	175	1540									
DH35 26-27	205 226	10	54									
DH35 27-28	205 226	< 5	2									
DH35 28-29	205 226	< 5	2									
DH35 29-30	205 226	< 5	2									
DH35 30-31	205 226	20	2450									
DH35 31-32	205 226	< 5	70									
DH35 32-33	205 226	20	1140									
DH35 33-34	205 226	10	150									
DH35 34-35	205 226	< 5	2									
DH35 35-36	205 226	< 5	2									
DH35 36-37	205 226	< 5	2									
DH35 37-38	205 226	< 5	18									
DH35 38-39	205 226	< 5	20									
DH35 39-40	205 226	< 5	20									
DH35 40-41	205 226	< 5	236									

CERTIFICATION:

Hart Bichler



Chemex Labs, Inc.

Analytical Chemists • Geochemists • Registered Assayers

994 Glendale Ave., Unit 3,

Nevada, U.S.A.

PHONE: 702-356-5395 FAX: 702-355-0179

Sparks

89431

To: VIKING GOLD CORPORATION

LEVEL 8, 261 GEORGE ST.
SYDNEY, NEW SOUTH WALES
2000 AUSTRALIA

Project: DH 35

Comments: ATTN: BILL FLESHMAN FAX: ROSS DAY

Page Number : 2
Total Pages : 3
Certificate Date : 10 DEC-96
Invoice No. : A9642577
P.O. Number :
Account : OIC

CERTIFICATE OF ANALYSIS

A9642577

SAMPLE	PREP CODE	Au ppb FA+AA	As ppm								
DH35 41-42	205 226	35	620								
DH35 42-43	205 226	25	296								
DH35 43-44	205 226	< 5	100								
DH35 44-45	205 226	< 5	288								
DH35 45-46	205 226	165	2100								
DH35 46-47	205 226	10	314								
DH35 47-48	205 226	30	830								
DH35 48-49	205 226	< 5	206								
DH35 49-50	205 226	< 5	262								
DH35 50-51	205 226	35	1640								
DH35 51-52	205 226	< 5	1230								
DH35 52-53	205 226	< 5	72								
DH35 53-54	205 226	< 5	2								
DH35 54-55	205 226	< 5	2								
DH35 55-56	205 226	< 5	2								
DH35 56-57	205 226	< 5	4								
DH35 57-58	205 226	< 5	1								
DH35 58-59	205 226	< 5	4								
DH35 59-60	205 226	< 5	94								
DH35 60-61	205 226	< 5	1								
DH35 61-62	205 226	< 5	2								
DH35 62-63	205 226	< 5	2								
DH35 63-64	205 226	< 5	34								
DH35 64-65	205 226	25	398								
DH35 65-66	205 226	10	234								
DH35 66-67	205 226	10	498								
DH35 67-68	205 226	165	1020								
DH35 68-69	205 226	230	260								
DH35 69-70	205 226	25	710								
DH35 70-71	205 226	10	286								
DH35 71-72	205 226	< 5	2								
DH35 72-73	205 226	< 5	4								
DH35 73-74	205 226	< 5	2								
DH35 74-75	205 226	35	6300								
DH35 75-76	205 226	< 5	12								
DH35 76-77	205 226	< 5	20								
DH35 77-78	205 226	< 5	48								
DH35 78-79	205 226	< 5	20								
DH35 79-80	205 226	< 5	10								
DH35 80-81	205 226	< 5	84								

CERTIFICATION:

Hart Bichler



Chemex Labs, Inc.

Analytical Chemists • Geochemists • Registered Assayers

994 Glendale Ave., Unit 3, Sparks
Nevada, U.S.A. 89431
PHONE: 702 356 5395 FAX: 702 355 0179

To: VIKING GOLD CORPORATION

LEVEL 8, 261 GEORGE ST
SYDNEY, NEW SOUTH WALES
2000 AUSTRALIA

Project: DH 35
Comments: ATTN: BILL FLESHMAN FAX: ROSS DAY

Page Number : 3
Total Pages : 3
Certificate Date : DEC-96
Invoice No. : A9642577
P.O. Number :
Account : OIC

CERTIFICATE OF ANALYSIS

A9642577

SAMPLE	PREP CODE	Au ppb FA+AA	As ppm								
DH35 81-82	205 226	25	1690								
DH35 82-83	205 226	< 5	6								
DH35 83-84	205 226	< 5	4								
DH35 84-85	205 226	< 5	1								
DH35 85-86	205 226	< 5	120								
DH35 86-87	205 226	< 5	2								
DH35 87-88	205 226	< 5	2								
DH35 88-89	205 226	< 5	104								
DH35 89-90	205 226	< 5	16								
DH35 90-91	205 226	< 5	870								
DH35 91-92	205 226	< 5	600								
DH35 92-93	205 226	< 5	108								
DH35 93-94	205 226	200	7100								
DH35 94-95	205 226	50	1200								

CERTIFICATION:

Hart Bichler

Appendix 5
Kolsvik Drill Hole Data Base

KOLSVIK DRILL HOLE DATA BASE

DDH-1						
	798944	-19337.7	190.5	274	80	0
	0	13.5	2	-999.99		
	13.5	16	2	0.25		
	16	28	2	-999.99		
	28	29	2	0.25		
	29	45	2	-999.99		
	45	45.75	2	0.2		
	45.75	46	2	6.7		
	46	47	2	0.25		
	47	50	2	-999.99		
	50	52	2	0.25		
	52	56.7	2	0.25		
	56.7	60	2	0.25		
	60	60.25	2	0.8		
	60.25	61.25	2	0.2		
	61.25	61.5	2	18		
	61.5	64.75	2	0.2		
	64.75	66.25	2	-999.99		
	66.25	69.2	2	0.25		
	69.2	94	2	-999.99		
	94	95	2	0.25		
	95	112	2	-999.99		
	112	112.5	2	0.25		
	112.5	117.8	2	-999.99		
	EOH***EOH***					
DDH-2						
	798943.9	-19337.7	190.5	227	55	0
	0	5.25	2	-999.99		
	5.25	6	2	0.25		
	6	13	2	0.25		
	13	18	2	1.9		
	18	36	2	-999.99		
	36	37	2	0.25		
	37	37.3	2	1.9		
	37.3	44	2	-999.99		
	44	48	2	0.25		
	48	85.3	2	-999.99		
	85.3	86.3	2	-999.99		
	EOH***EOH***					
DDH-3						
	798607.5	-19143	293.5	0	90	0
	0	8	2	-999.99		
	8	12	2	0.35		
	12	18	2	-999.99		
	18	19	2	0.3		
	19	20	2	-999.99		
	20	22.5	2	0.3		
	22.5	22.75	2	2.7		
	22.75	23	2	2.2		
	23	30	2	0.4		

KOLSVIK DRILL HOLE DATA BASE

30	34	2	-999.99
34	38.25	2	0.2
38.25	38.5	2	1.6
38.5	38.75	2	1.2
38.75	41	2	0.3
41	53	2	-999.99
53	57	2	0.2
57	58	2	-999.99
58	59	2	0.2
59	60	2	-999.99
60	60.25	2	5.7
60.25	60.5	2	4.7
60.5	60.75	2	1.8
60.75	61	2	1
61	61.5	2	0.3
61.5	61.75	2	1.4
61.75	62	2	0.2
62	62.25	2	1.3
62.25	62.5	2	2.8
62.5	65.25	2	0.9
65.25	65.5	2	10.6
65.5	65.75	2	3.9
65.75	66	2	2.8
66	66.25	2	5.5
66.25	66.5	2	1.6
66.5	67.25	2	0.3
67.25	67.5	2	5.3
67.5	67.75	2	0.6
67.75	68	2	0.2
68	68.25	2	1.7
68.25	68.5	2	1
68.5	68.75	2	3.4
68.75	70	2	0.8
70	70.25	2	1
70.25	76.25	2	0.2
76.25	76.5	2	1
76.5	77.25	2	0.3
77.25	77.5	2	1.7
77.5	79.5	2	0.8
79.5	79.75	2	15
79.75	80	2	15
80	87.5	2	0.2
87.5	87.75	2	3.3
87.75	88	2	2
88	88.25	2	37
88.25	88.5	2	1.9
88.5	88.75	2	3.5
88.75	89	2	6.7
89	89.25	2	9.6
89.25	89.5	2	-999.99
89.5	90	2	0.25

	90	90.25	2	9		
	90.25	90.5	2	13.9		
	90.5	90.75	2	14.8		
	90.75	93	2	0.3		
	93	94.2	2	-999.99		
	EOH***EOH***					
DDH-4						
	798608.5	-19144	293.5	226	50	0
	0	13.75	2	-999.99		
	13.75	14.75	2	0.3		
	14.75	15	2	1		
	15	17	2	0.3		
	17	17.25	2	1		
	17.25	17.5	2	7		
	17.5	17.75	2	7.4		
	17.75	18	2	0.8		
	18	18.25	2	0.15		
	18.25	18.5	2	1.9		
	18.5	19.75	2	0.25		
	19.75	21.25	2	-999.99		
	21.25	28.75	2	0.25		
	28.75	29	2	2.9		
	29	29.25	2	63		
	29.25	29.5	2	1.2		
	29.5	33	2	0.25		
	33	93.05	2	-999.99		
	EOH***EOH***					
DDH-5						
	798991.5	-19341.5	178.5	262	65	0
	0	122	2	-999.99		
	EOH***EOH***					
DDH-6						
	798991.5	-19341.5	178.5	262	45	0
	0	92	2	-999.99		
	EOH***EOH***					
DDH-8						
	798666.5	-19228.8	248.4	50	43	0
	0	40	2	-999.99		
	40	51	2	0.01		
	51	51.25	2	0.01		
	51.25	54	2	-999.99		
	54	55.5	2	0.2		
	55.5	55.75	2	2.5		
	55.75	56	2	1.4		
	56	56.25	2	13		
	56.25	58.5	2	0.3		
	58.5	58.75	2	3.6		
	58.75	59	2	28		
	59	59.25	2	4.7		
	59.25	59.5	2	8.8		
	59.5	59.75	2	6.1		

	59.75	60	2	1.4		
	60	60.25	2	2.2		
	60.25	60.5	2	-999.99		
	60.5	61.75	2	0.2		
	61.75	62.25	2	1.03		
	62.25	79	2	0.15		
	79	88.35	2	-999.99		
	EOH***EOH***					
DDH-9						
	798582.3	-19184.8	280.1	51	36	0
	0	40.25	2	-999.99		
	40.25	43	2	0.3		
	43	45	2	-999.99		
	45	45.75	2	0.05		
	45.75	48	2	-999.99		
	48	63.75	2	0.25		
	63.75	64	2	2.4		
	64	68	2	0.1		
	68	68.25	2	1.1		
	68.25	80	2	0.1		
	80	80.25	2	3.43		
	80.25	80.5	2	-999.99		
	80.5	80.75	2	1.03		
	80.75	84	2	0.1		
	84	94.6	2	-999.99		
	EOH***EOH***					
DDH-10						
	798596.4	-19205.4	272.4	61	36	0
	0	40	2	-999.99		
	40	43	2	0.1		
	43	50	2	0.03		
	50	54	2	0.05		
	54	55	2	9.29		
	55	56	2	9.29		
	56	57	2	2.75		
	57	58	2	2		
	58	59	2	1.03		
	59	70	2	0.15		
	70	72	2	0.06		
	72	74	2	0.01		
	74	79	2	0.05		
	79	80	2	0.01		
	80	88	2	0.2		
	88	144	2	-999.99		
	EOH***EOH***					
DDH-11						
	798596.2	-19205.1	272.3	61	54	0
	0	83	2	-999.99		
	83	94	2	0.01		
	94	103	2	0.7		
	103	103.5	2	1.03		

KOLSVIK DRILL HOLE DATA BASE

	103.5	114	2	0.7		
	114	114.5	2	1.38		
	114.5	115	2	1.72		
	115	115.5	2	1.72		
	115.5	116	2	0.17		
	116	116.5	2	0.34		
	116.5	117	2	4.47		
	117	117.5	2	16.86		
	117.5	118	2	3.1		
	118	119	2	2		
	119	120	2	0.25		
	120	121.5	2	0.1		
	121.5	144	2	-999.99		
	144	149	2	0.15		
	149	159.2	2	-999.99		
	EOH***EOH***					
DDH-12						
	798742.5	-19267.6	223.5	72	38	0
	0	30	2	-999.99		
	30	38	2	0.01		
	38	39	2	2.56		
	39	40	2	0.13		
	40	40.5	2	28.8		
	40.5	41	2	1.4		
	41	41.5	2	1		
	41.5	45	2	0.4		
	45	65	2	-999.99		
	65	66	2	-999.99		
	66	75	2	0.15		
	75	84	2	-999.99		
	84	103	2	0.4		
	103	124.45	2	-999.99		
	EOH***EOH***					
DDH-13						
	798742.5	-19267.6	223.5	72	20	0
	0	10	2	-999.99		
	10	27	2	0.01		
	27	30	2	0.2		
	30	30.5	2	19		
	30.5	31	2	0.2		
	31	31.5	2	25		
	31.5	32	2	1.2		
	32	32.5	2	0.15		
	32.5	33	2	3.2		
	33	40.5	2	0.2		
	40.5	41	2	2.7		
	41	41.5	2	8.92		
	41.5	50	2	0.01		
	50	62.8	2	-999.99		
	EOH***EOH***					
DDH-14						

KOLSVIK DRILL HOLE DATA BASE

	798544.7	-19120.7	333.2	71	43	0
	0	120.85	2	-999.99		
	EOH***EOH***					
DDH-15						
	798883	-19324	182	215	44	0
	0	18.5	2	-999.99		
	18.5	20	2	0.01		
	20	22	2	0.15		
	22	24	2	0.25		
	24	24.25	2	4.6		
	24.25	24.5	2	0.5		
	24.5	25.5	2	0.25		
	25.5	25.75	2	1.1		
	25.75	26	2	0.3		
	26	26.25	2	1.7		
	26.25	26.5	2	0.15		
	26.5	26.75	2	0.6		
	26.75	27	2	0.15		
	27	27.25	2	0.15		
	27.25	27.5	2	7.8		
	27.5	27.75	2	55		
	27.75	28	2	5.9		
	28	28.25	2	2.1		
	28.25	28.5	2	35		
	28.5	28.75	2	40		
	28.75	29	2	28		
	29	29.25	2	5.6		
	29.25	29.5	2	17		
	29.5	29.75	2	11		
	29.75	30	2	8.2		
	30	30.25	2	0.7		
	30.25	30.5	2	6.4		
	30.5	30.75	2	1.6		
	30.75	31	2	2.5		
	31	31.25	2	0.5		
	31.25	31.5	2	0.3		
	31.5	31.75	2	0.2		
	31.75	32	2	2.5		
	32	32.25	2	5.7		
	32.25	32.5	2	0.15		
	32.5	32.75	2	0.1		
	32.75	33	2	21		
	33	33.25	2	0.15		
	33.25	33.5	2	0.3		
	33.5	33.75	2	0.15		
	33.75	34	2	5.9		
	34	34.25	2	3.3		
	34.25	34.5	2	0.2		
	34.5	34.75	2	5.5		
	34.75	35	2	11		
	35	35.25	2	777		

	35.25	35.5	2	2		
	35.5	35.75	2	0.9		
	35.75	36	2	6		
	36	36.25	2	0.5		
	36.25	36.5	2	0.4		
	36.5	36.75	2	0.6		
	36.75	37	2	33		
	37	37.25	2	0.8		
	37.25	37.5	2	2.7		
	37.5	37.75	2	0.4		
	37.75	38	2	1.2		
	38	38.25	2	6.4		
	38.25	38.5	2	4.9		
	38.5	39	2	0.15		
	39	39.5	2	1		
	39.5	40	2	2.2		
	40	43	2	0.15		
	43	60	2	0.01		
	60	93.5	2	-999.99		
	EOH***EOH***					
DDH-16						
	798883	-19324	182	215	65	0
	0	19.5	2	-999.99		
	19.5	22	2	0.01		
	22	23	2	0.13		
	23	23.25	2	0.15		
	23.25	23.5	2	1.2		
	23.5	32	2	0.15		
	32	32.5	2	1.4		
	32.5	34	2	0.15		
	34	34.5	2	5.1		
	34.5	35	2	2.9		
	35	35.5	2	1.72		
	35.5	36	2	0.17		
	36	36.5	2	1.37		
	36.5	37	2	0.17		
	37	37.5	2	0.17		
	37.5	38	2	0.07		
	38	38.5	2	1.37		
	38.5	41.5	2	0.2		
	41.5	42	2	2.06		
	42	43.5	2	0.1		
	43.5	44	2	1.72		
	44	51	2	0.35		
	51	52	2	0.06		
	52	53	2	1.63		
	53	55	2	0.01		
	55	56	2	0.4		
	56	63	2	0.01		
	63	64	2	1.26		
	64	65	2	0.09		

KOLSVIK DRILL HOLE DATA BASE

	65	70	2	0.01		
	70	90	2	-999.99		
	EOH***EOH***					
DDH-17						
	798883	-19324	182	215	80	0
	0	20	2	-999.99		
	20	23	2	0.01		
	23	24	2	0.08		
	24	24.5	2	0.16		
	24.5	32	2	0.2		
	32	32.5	2	2.06		
	32.5	34.5	2	0.2		
	34.5	35	2	0.01		
	35	36	2	1.15		
	36	45	2	0.09		
	45	46	2	0.83		
	46	47	2	0.32		
	47	48	2	7.26		
	48	50	2	0.5		
	50	51	2	0.14		
	51	52	2	0.03		
	52	53	2	0.45		
	53	54	2	0.01		
	54	55	2	0.37		
	55	56	2	0.04		
	56	57	2	0.06		
	57	58	2	0.11		
	58	59	2	0.32		
	59	60	2	0.24		
	60	61	2	0.06		
	61	62	2	0.01		
	62	63	2	2.88		
	63	64	2	8.64		
	64	65	2	0.01		
	65	66	2	0.01		
	66	67	2	0.01		
	67	68	2	0.04		
	68	69	2	0.21		
	69	75	2	0.01		
	75	80.65	2	-999.99		
	EOH***EOH***					
DDH-18						
	798883	-19324	182	295	45	0
	0	16.6	2	-999.99		
	16.6	22	2	0.3		
	22	26.5	2	-999.99		
	26.5	27	2	1.26		
	27	27.5	2	6.84		
	27.5	28	2	4.14		
	28	28.5	2	7.86		
	28.5	29	2	1.2		

	29	32.5	2	0.45		
	32.5	33	2	3.25		
	33	34	2	0.1		
	34	34.5	2	1.96		
	34.5	35	2	2.53		
	35	38	2	0.05		
	38	97	2	-999.99		
	EOH***EOH***					
DDH-19						
	798883	-19324	182	48	66	0
	0	7.5	2	-999.99		
	7.5	9	2	0.1		
	9	9.5	2	2.87		
	9.5	15	2	0.4		
	15	56.25	2	-999.99		
	EOH***EOH***					
DDH-20						
	798817.5	-19296	187	87	45	0
	0	15	2	-999.99		
	15	17.5	2	0.1		
	17.5	18	2	1.53		
	18	22	2	0.05		
	22	24	2	-999.99		
	24	26	2	0.05		
	26	34	2	-999.99		
	34	38	2	0.05		
	38	47	2	-999.99		
	47	67	2	0.2		
	67	89.75	2	-999.99		
	EOH***EOH***					
DDH-21						
	798837.8	-19356.9	215.2	0	90	0
	0	2	2	-999.99		
	2	8	2	0.01		
	8	9	2	3.48		
	9	10	2	0.02		
	10	11	2	0.29		
	11	12	2	0.01		
	12	13	2	0.05		
	13	17	2	0.01		
	17	18	2	0.21		
	18	19	2	0.07		
	19	20	2	0.03		
	20	26	2	-999.99		
	26	27	2	0.01		
	27	28	2	0.63		
	28	29	2	0.01		
	29	30	2	0.01		
	30	31	2	0.07		
	31	32	2	0.14		
	32	33	2	8.66		

KOLSVIK DRILL HOLE DATA BASE

	33	34	2	0.11		
	34	35	2	0.51		
	35	36	2	0.01		
	36	37	2	0.03		
	37	38	2	0.1		
	38	39	2	0.01		
	39	40	2	0.02		
	40	41	2	0.27		
	41	45	2	0.01		
	45	46	2	0.47		
	46	48	2	0.01		
	48	61	2	-999.99		
	61	62	2	0.01		
	62	69	2	-999.99		
	69	70	2	0.01		
	70	72	2	-999.99		
	72	73	2	0.01		
	73	78	2	-999.99		
	78	80	2	0.03		
	80	81	2	-999.99		
	81	82	2	0.01		
	82	88	2	-999.99		
	88	89	2	0.01		
	89	105	2	-999.99		
	105	110	2	0.01		
	110	135	2	-999.99		
	135	145	2	0.01		
	145	156.85	2	-999.99		
	EOH***EOH***					
DDH-22	798852.5	-19327.5	182	247	45	0
	0	1	2	1.04		
	1	2	2	1.74		
	2	3	2	0.03		
	3	4	2	0.41		
	4	5	2	0.04		
	5	6	2	0.05		
	6	7	2	0.01		
	7	8	2	-999.99		
	8	9	2	0.48		
	9	10	2	0.08		
	10	11	2	0.01		
	11	12	2	0.76		
	12	13	2	0.19		
	13	14	2	0.01		
	14	15	2	0.05		
	15	16	2	1.91		
	16	17	2	0.02		
	17	18	2	0.4		
	18	19	2	0.01		
	19	20	2	1.86		

KOLSVIK DRILL HOLE DATA BASE

	20	21	2	0.02		
	21	22	2	0.27		
	22	23	2	2.33		
	23	24	2	0.67		
	24	26	2	0.01		
	26	27	2	1.74		
	27	28	2	0.06		
	28	31	2	0.01		
	31	32	2	0.02		
	32	33	2	0.11		
	33	34	2	0.15		
	34	35	2	0.14		
	35	36	2	0.72		
	36	37	2	0.16		
	37	38	2	0.01		
	EOH***EOH***					
DDH-23						
	798837.9	-19356.5	215.2	84	60	0
	0	40	2	-999.99		
	40	41	2	0.49		
	41	42	2	0.01		
	42	43	2	0.02		
	43	44	2	0.01		
	44	45	2	0.05		
	45	46	2	0.37		
	46	47	2	0.01		
	47	48	2	0.01		
	48	49	2	0.03		
	49	50	2	1.19		
	50	51	2	4.09		
	51	52	2	0.04		
	52	53	2	0.95		
	53	54	2	0.05		
	54	55	2	1.45		
	55	56	2	0.42		
	56	57	2	0.03		
	57	58	2	0.07		
	58	59	2	0.05		
	59	70	2	0.02		
	70	71	2	0.96		
	71	75	2	0.02		
	75	76	2	0.76		
	76	83	2	0.06		
	83	85	2	0.16		
	85	92	2	0.06		
	92	94	2	0.16		
	94	95	2	0.51		
	95	96	2	2.7		
	96	97	2	1.3		
	97	98	2	1.98		
	98	99	2	0.24		

	99	100	2	2.12		
	100	101	2	0.97		
	101	102	2	0.4		
	102	103	2	1.67		
	103	104	2	0.36		
	104	105	2	0.75		
	105	110	2	0.08		
	110	133	2	-999.99		
	EOH***EOH***					
DDH-24						
	798837.9	-19356.6	215.2	80	65	0
	0	35	2	-999.99		
	35	45	2	0.01		
	45	46	2	1.41		
	46	50	2	0.04		
	50	90	2	-999.99		
	90	91	2	0.14		
	91	92	2	2.03		
	92	100	2	0.01		
	100	101	2	0.06		
	101	102	2	0.34		
	102	103	2	0.03		
	103	104	2	0.21		
	104	105	2	3.23		
	105	106	2	3.16		
	106	107	2	2.89		
	107	110	2	0.06		
	110	120	2	-999.99		
	120	121	2	0.43		
	121	128	2	0.06		
	128	140.7	2	-999.99		
	EOH***EOH***					
DDH-25						
	798880.1	-19373.3	212.4	69	56	0
	0	25	2	-999.99		
	25	29	2	0.01		
	29	30	2	38.93		
	30	31	2	0.09		
	31	32	2	0.24		
	32	37	2	0.05		
	37	38	2	3.49		
	38	39	2	0.66		
	39	44	2	0.06		
	44	45	2	0.36		
	45	50	2	-999.99		
	50	66	2	0.01		
	66	70	2	0.04		
	70	71	2	0.6		
	71	72	2	4.09		
	72	73	2	41.64		
	73	74	2	19.21		

KOLSVIK DRILL HOLE DATA BASE

	74	75	2	0.57		
	75	76	2	2		
	76	77	2	0.52		
	77	78	2	0.22		
	78	79	2	0.75		
	79	80	2	3.61		
	80	81	2	0.24		
	81	82	2	0.72		
	82	83	2	0.33		
	83	84	2	0.32		
	84	85	2	0.62		
	85	86	2	2.4		
	86	90	2	0.1		
	90	93	2	0.41		
	93	98	2	0.18		
	98	99	2	3.57		
	99	100	2	1.1		
	100	116.2	2	-999.99		
	EOH***EOH***					
DDH-26						
	798918.5	-19360	188	225	31	0
	0	13	2	-999.99		
	13	14	2	0.18		
	14	16	2	0.02		
	16	24	2	-999.99		
	24	40	2	0.01		
	40	75	2	-999.99		
	75	91	2	0.01		
	91	91.1	2	-999.99		
	EOH***EOH***					
DDH-27						
	798852.5	-19327.5	182	0	90	0
	0	1	2	4.6		
	1	2	2	1.8		
	2	3	2	1		
	3	4	2	0.96		
	4	5	2	0.35		
	5	6	2	0.44		
	6	7	2	3.55		
	7	8	2	0.47		
	8	9	2	0.39		
	9	10	2	2.78		
	10	11	2	0.16		
	11	12	2	0.03		
	12	13	2	0.1		
	13	14	2	0.16		
	14	15	2	0.23		
	15	16	2	0.9		
	16	17	2	2.02		
	17	18	2	2.29		
	18	19	2	0.35		

KOLSVIK DRILL HOLE DATA BASE

	19	20	2	2.94		
	20	21	2	0.01		
	21	22	2	0.03		
	22	23	2	0.64		
	23	24	2	0.22		
	24	25	2	0.03		
	25	26	2	9.26		
	26	27	2	0.52		
	27	28	2	0.18		
	28	31	2	0.03		
	31	32	2	1.55		
	32	33	2	0.68		
	33	34	2	0.04		
	34	35	2	0.1		
	35	36	2	0.31		
	36	37	2	0.66		
	37	38	2	0.4		
	38	39	2	0.27		
	39	40	2	0.04		
	EOH***EOH***					
DDH-29						
	798918.5	-19360	188	225	75	0
	0	9	2	-999.99		
	9	11	2	0.06		
	11	12	2	0.68		
	12	24	2	0.01		
	24	45.2	2	-999.99		
	EOH***EOH***					
DDH-30						
	798957.5	-19366.5	178.5	257	48	0
	0	77.1	2	-999.99		
	EOH***EOH***					
DDH-31						
	799280	-19423.3	157.2	270	80	0
	0	1.5	2	-999.99		
	1.5	7	2	0.02		
	7	8	2	1.17		
	8	9	2	0.14		
	9	10	2	0.23		
	10	12	2	0.01		
	12	14	2	0.03		
	14	15	2	0.01		
	15	18	2	0.04		
	18	20	2	0.01		
	20	49.1	2	-999.99		
	EOH***EOH***					
DDH-32						
	799279	-19418	156.5	270	65	0
	0	33.45	2	-999.99		
	EOH***EOH***					
DDH-33						

KOLSVIK DRILL HOLE DATA BASE

	798827.5	-19322.9	185.7	239	45	0
	0	1	2	-999.99		
	1	2	2	0.01		
	2	7	2	0.18		
	7	9	2	0.01		
	9	15	2	0.27		
	15	17	2	0.01		
	17	25	2	0.08		
	25	27	2	0.01		
	27	37	2	0.03		
	37	44	2	0.01		
	44	46	2	0.02		
	EOH***EOH***					
DDH-34	799279	-19418	156.5	0	90	0
	0	15	2	-999.99		
	15	21	2	0.01		
	21	30	2	0.16		
	30	73.1	2	-999.99		
	EOH***EOH***					
DDH-35	799280	-19422	157.2	90	65	0
	0	95.65	2	-999.99		
	EOH***EOH***					
DDH-36	798649.2	-19266.1	207.6	86	37	0
	0	52	2	-999.99		
	52	53	2	0.01		
	53	56	2	0.12		
	56	58	2	0.01		
	58	115	2	-999.99		
	115	117	2	0.01		
	117	122	2	0.02		
	122	123	2	0.28		
	123	124	2	0.83		
	124	125	2	0.04		
	125	210	2	-999.99		
	210	218	2	0.02		
	218	219	2	-999.99		
	219	240	2	0.01		
	240	271.65	2	-999.99		
	EOH***EOH***					
DDH-40	799249.2	-19384.1	156	263	62	0
	0	42	2	0.02		
	42	43	2	0.12		
	43	57	2	-999.99		
	57	58.1	2	0.1		
	58.1	59.2	2	0.78		
	59.2	60.2	2	1.14		
	60.2	61.2	2	0.32		

KOLSVIK DRILL HOLE DATA BASE

	62.2	66.8	2	-999.99		
	66.8	67.8	2	2.8		
	67.8	85.2	2	-999.99		
	EOH***EOH***					
DDH-41	799189	-19392.5	158	270	60	0
	0	17	2	-999.99		
	17	18	2	0.2		
	18	19	2	0.03		
	19	46.5	2	-999.99		
	46.5	47.5	2	0.03		
	47.5	60.9	2	-999.99		
	60.9	61.9	2	0.03		
	61.9	62.9	2	0.03		
	62.9	63.9	2	-999.99		
	63.9	64.9	2	0.04		
	64.9	70	2	-999.99		
	EOH***EOH***					
DDH-42	799150.2	19364.9	161	270	55	0
	0	33	2	-999.99		
	33	34	2	0.02		
	34	35	2	0.02		
	35	36	2	0.1		
	38	39	2	0.03		
	39	66	2	-999.99		
	66	67	2	0.05		
	67	79.5	2	-999.99		
	EOH***EOH***					
DDH-43	799310.2	-19403.6	152	254	58	0
	0	13	2	-999.99		
	13	14	2	0.03		
	14	15	2	0.03		
	15	16	2	0.02		
	16	17	2	-999.99		
	17	18	2	0.3		
	18	19	2	0.07		
	19	20	2	0.03		
	20	21	2	0.76		
	21	22	2	0.75		
	22	23	2	1.32		
	23	24.3	2	0.13		
	24.3	62.35	2	-999.99		
	EOH***EOH***					
DDH-50	798797	-19282	190	243	0	0
	0	0.9	2	0.49		
	0.9	1.7	2	0.06		
	1.7	2.6	2	0.02		
	2.6	3.6	2	0.02		

KOLSVIK DRILL HOLE DATA BASE

	3.6	4.6	2	0.62		
	4.6	5.5	2	0.26		
	5.5	6.5	2	1.96		
	6.5	7.4	2	0.08		
	7.4	8.4	2	0.02		
	8.4	9.4	2	0.03		
	9.4	10.4	2	0.02		
	10.4	11.4	2	0.02		
	11.4	12.4	2	0.02		
	12.4	13.4	2	0.02		
	13.5	14.3	2	0.02		
	14.3	15.1	2	0.04		
	15.1	16	2	0.02		
	16	16.7	2	0.02		
	EOH***EOH***					
DDH-51						
	798796	-19280.7	190	180	0	0
	0	1.1	2	0.06		
	1.1	2.2	2	0.32		
	2.2	3.3	2	0.54		
	3.3	4.1	2	2.52		
	4.1	4.8	2	1.16		
	4.8	5.5	2	0.14		
	5.5	6.6	2	0.15		
	6.6	7.6	2	0.11		
	7.6	8.6	2	1.78		
	8.6	9.5	2	4.16		
	9.5	10.5	2	0.63		
	10.5	11.4	2	0.03		
	11.4	12.4	2	0.03		
	12.4	13.4	2	0.02		
	13.4	14.4	2	0.02		
	14.4	15.4	2	0.02		
	15.4	16.4	2	0.02		
	16.4	17.3	2	0.02		
	17.3	18.3	2	0.02		
	18.3	19.3	2	0.07		
	19.3	20.3	2	0.02		
	20.3	21.3	2	0.02		
	21.3	22.3	2	0.02		
	22.3	23.3	2	0.02		
	23.3	24.3	2	0.02		
	24.3	25.1	2	0.02		
	25.1	26.1	2	0.02		
	26.1	27.1	2	0.02		
	27.1	28	2	0.02		
	28	29	2	0.02		
	29	30	2	0.02		
	30.3	31.05	2	0.02		
	31.05	32.05	2	0.02		
	32.05	33.05	2	0.02		

KOLSVIK DRILL HOLE DATA BASE

	33.05	34	2	0.02		
	34	35	2	0.02		
	35	35.7	2	0.02		
	EOH***EOH***					
DDH-52						
	798753.5	-19294.3	193	93	0	0
	0	0.95	2	0.02		
	0.95	1.8	2	0.02		
	1.8	2.8	2	0.02		
	2.8	3.7	2	0.04		
	3.7	4.7	2	0.04		
	4.7	5.6	2	0.02		
	5.6	6.6	2	0.02		
	6.6	7.6	2	0.01		
	7.6	8.6	2	0.02		
	8.6	9.6	2	0.2		
	9.6	10.6	2	0.01		
	10.6	11.6	2	0.02		
	11.6	12.7	2	0.02		
	12.7	13.6	2	0.03		
	13.6	13.7	2	-999.99		
	13.7	14.5	2	0.01		
	14.5	15.5	2	0.01		
	15.5	16.5	2	0.01		
	16.5	17.5	2	0.04		
	17.5	18.35	2	0.08		
	18.35	19.4	2	0.07		
	19.4	20.25	2	0.16		
	20.25	21.2	2	0.05		
	21.2	22.2	2	0.04		
	22.2	23.3	2	0.04		
	23.3	24.4	2	0.05		
	24.4	25.3	2	0.15		
	25.3	26.4	2	0.06		
	26.4	27.4	2	0.06		
	27.4	28.4	2	0.11		
	28.4	29.3	2	0.26		
	29.3	30.2	2	2.14		
	30.2	31.2	2	1.78		
	31.2	32	2	0.53		
	32	33	2	5.07		
	33	33.8	2	0.3		
	33.8	34.8	2	0.05		
	34.8	35.8	2	0.04		
	35.8	36.65	2	0.04		
	36.65	37.7	2	0.04		
	37.7	38.65	2	0.48		
	38.65	39.4	2	0.05		
	39.4	40.4	2	0.04		
	40.4	41.4	2	0.03		
	41.4	42.5	2	0.04		

KOLSVIK DRILL HOLE DATA BASE

	42.5	43.5	2	0.03		
	43.5	44.5	2	0.94		
	44.5	45.5	2	0.59		
	45.5	46.5	2	3.84		
	46.5	47.4	2	0.33		
	47.4	48.5	2	0.25		
	48.5	49.3	2	4.4		
	49.3	50.3	2	0.09		
	50.3	51.3	2	0.03		
	51.3	52.2	2	0.04		
	52.2	53.15	2	0.08		
	53.15	54.1	2	0.03		
	54.1	55.1	2	0.06		
	55.1	56.15	2	0.04		
	56.15	57	2	0.03		
	57	58.1	2	0.03		
	58.1	59.5	2	0.03		
	EOH***EOH***					
DDH-53						
	798723.8	-19293.1	193	77	0	0
	0	3.7	2	-999.99		
	3.7	4.55	2	0.01		
	4.55	5.55	2	0.01		
	5.55	6.45	2	0.02		
	6.45	7.15	2	0.03		
	7.15	8.2	2	0.02		
	8.2	9.1	2	0.02		
	9.1	10	2	0.05		
	10	10.9	2	0.19		
	10.9	12	2	0.01		
	12	13.1	2	0.01		
	13.1	15	2	-999.99		
	15	15.9	2	0.02		
	15.9	16.95	2	0.02		
	16.95	18.13	2	0.03		
	18.3	19.13	2	0.28		
	19.13	19.7	2	0.05		
	19.7	20.8	2	0.02		
	20.8	21.6	2	0.02		
	21.65	22.5	2	0.03		
	22.5	23.4	2	0.02		
	23.4	24.5	2	0.09		
	24.5	25.4	2	0.04		
	25.4	26.2	2	0.03		
	26.2	27.2	2	0.02		
	27.2	28.2	2	0.02		
	28.2	29.3	2	0.03		
	29.3	30.2	2	0.03		
	30.2	31	2	0.03		
	31	31.9	2	0.03		
	31.9	33	2	0.15		

KOLSVIK DRILL HOLE DATA BASE

	33	33.9	2	0.05		
	33.9	34.9	2	0.05		
	34.9	35.9	2	0.03		
	35.9	41.6	2	-999.99		
	41.6	42.6	2	0.52		
	42.6	43.6	2	0.01		
	43.6	47.7	2	-999.99		
	47.7	48.75	2	0.01		
	48.75	49.75	2	0.01		
	59.3	60.4	2	0.06		
	60.4	61.4	2	14.81		
	61.4	62.4	2	0.38		
	62.4	63.25	2	0.04		
	63.25	64.25	2	12.4		
	64.25	65.25	2	0.03		
	65.25	66.15	2	0.01		
	66.15	67	2	0.04		
	67	67.9	2	0.08		
	67.9	68.9	2	0.01		
	68.9	70.8	2	-999.99		
	70.8	71.8	2	1.03		
	71.8	72.8	2	0.01		
	72.8	73.8	2	0.01		
	73.8	74.8	2	0.01		
	74.8	75.8	2	0.04		
	75.8	76.6	2	0.01		
	77.6	77.8	2	-999.99		
	EOH***EOH***					
DDH-54	798718.8	-19291.5	194	90	0	0
	0	40	2	-999.99		
	40	40.7	2	0.18		
	40.7	45.7	2	-999.99		
	45.7	46.7	2	0.58		
	46.7	47.7	2	0.09		
	47.7	53.2	2	-999.99		
	53.2	54.3	2	0.01		
	54.3	55.3	2	0.01		
	55.3	56.4	2	0.01		
	56.4	57.2	2	0.01		
	57.2	58.25	2	0.01		
	58.25	59.3	2	0.01		
	59.3	60.25	2	0.01		
	60.25	61.2	2	0.01		
	61.2	62.1	2	0.01		
	62.1	63.1	2	0.01		
	63.1	80.6	2	-999.99		
	80.6	81.6	2	0.01		
	81.6	82.5	2	0.9		
	82.5	83.5	2	20.5		
	83.5	84.4	2	27.2		

KOLSVIK DRILL HOLE DATA BASE

	84.4	85.4	2	4.21		
	85.4	86.3	2	1.83		
	86.3	87.3	2	0.49		
	87.3	88.2	2	1.82		
	88.2	89.2	2	0.06		
	89.2	90.3	2	0.04		
	90.3	91.3	2	0.18		
	91.3	92.2	2	0.13		
	92.2	93.2	2	0.08		
	EOH***EOH***					
DDH-55						
	798864	-19328.2	182	270	40	0
	0	4	2	0.02		
	4	4.8	2	0.02		
	4.8	5.7	2	0.37		
	5.7	7	2	1.25		
	7	8.1	2	0.27		
	8.1	8.5	2	2.76		
	8.5	9.5	2	0.31		
	9.5	10.4	2	9.1		
	10.4	11.4	2	1.63		
	11.4	12.3	2	0.51		
	12.3	13.3	2	2.42		
	13.3	14.2	2	0.07		
	14.2	15.2	2	0.25		
	15.2	16.2	2	0.24		
	16.2	17.1	2	0.52		
	17.1	18.1	2	0.06		
	18.1	19.2	2	0.04		
	19.2	20.2	2	2.32		
	20.2	21.2	2	0.34		
	21.2	22.3	2	1.25		
	22.3	23.2	2	0.04		
	23.4	24.2	2	0.13		
	24.2	25.2	2	0.03		
	25.2	26.2	2	0.08		
	26.2	27.1	2	0.06		
	27.1	28.2	2	0.04		
	28.2	29.3	2	0.02		
	29.3	30.3	2	0.01		
	30.3	31.3	2	0.01		
	31.3	32.3	2	0.07		
	32.3	33.3	2	0.06		
	33.3	34.3	2	0.12		
	34.3	35.3	2	0.1		
	35.3	36.3	2	0.04		
	36.3	37.4	2	0.04		
	37.4	38.4	2	0.01		
	38.4	39.3	2	0.02		
	39.3	40.3	2	0.03		
	EOH***EOH***					

KOLSVIK DRILL HOLE DATA BASE

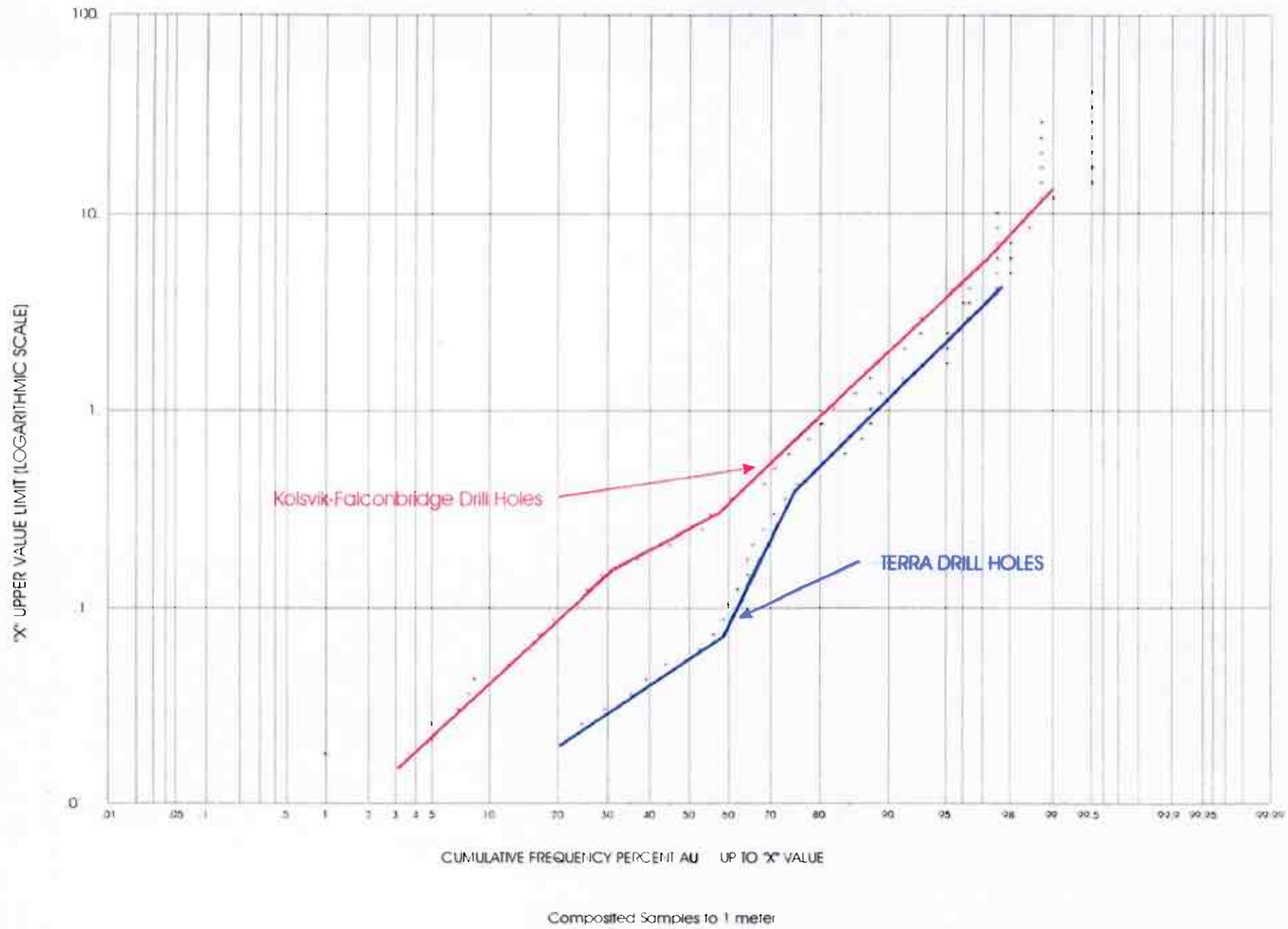
DDH-56	798825	-19287.8	189	252	60	0
	0	3	2	0.11		
	3	4	2	0.02		
	4	4.9	2	0.04		
	4.9	5.8	2	0.04		
	5.8	6.9	2	0.04		
	6.9	7.7	2	0.04		
	7.7	8.6	2	2.92		
	8.6	9.6	2	0.27		
	9.6	10.6	2	0.01		
	10.6	11.6	2	0.01		
	11.6	12.6	2	0.01		
	12.6	13.7	2	0.01		
	13.7	14.6	2	0.01		
	14.6	15.6	2	0.1		
	15.6	16.5	2	0.01		
	16.5	17.5	2	0.22		
	17.5	19.4	2	0.05		
	19.4	21	2	1.33		
	21	23	2	0.26		
	23	24.85	2	0.06		
	24.85	26.85	2	0.02		
	28.5	30.7	2	0.03		
	30.7	32.5	2	0.01		
	32.5	34.4	2	0.01		
	34.4	36.3	2	0.06		
	36.3	38	2	0.64		
	38	40	2	1.21		
	40	42	2	0.3		
	42	44	2	0.13		
	44	45.8	2	0.12		
	45.8	47.7	2	1.23		
	47.7	49.7	2	0.05		
	49.7	51.4	2	0.01		
	51.4	53.4	2	0.01		
	53.4	55.4	2	0.01		
	55.4	57.4	2	0.01		
	57.4	59.4	2	0.01		
	59.4	61.5	2	0.03		
	61.5	63.4	2	0.01		
	63.4	65.6	2	0.01		
	65.6	67.6	2	0.01		
	67.6	68.6	2	0.01		
	68.6	69.6	2	0.01		
	69.6	70.5	2	0.01		
	70.5	71.5	2	0.01		
	71.5	72.5	2	0.01		
	72.5	73.5	2	0.03		
	73.5	74.5	2	0.01		
	74.5	75.5	2	0.01		

KOLSVIK DRILL HOLE DATA BASE

	75.5	76.5	2	0.01	
	76.5	77.5	2	0.02	
	77.5	78.4	2	0.02	
	78.4	79.4	2	0.01	
	79.4	80.4	2	0.01	
	80.4	81.4	2	0.01	
	81.4	82.3	2	0.01	
	82.3	83.3	2	0.06	
	83.3	84.4	2	0.24	
	84.4	85.5	2	0.02	
	85.5	86.5	2	0.13	
	86.5	87.5	2	0.01	
	87.5	88.4	2	0.01	
	88.4	89.3	2	0.01	
	89.3	90.4	2	0.01	
	90.4	91.4	2	0.15	
	91.4	92.4	2	0.01	
	92.4	93.4	2	0.05	
	93.4	94.7	2	0.01	
	EOH***EOH***				

Appendix 6
Kolsvik Project Drill Hole Cumulative Frequency Graph

KOLSVIK PROJECT DRILL HOLES



Appendix 7
Micromodel Insitu Drill Hole Summary

MICROMODEL INSITU DRILL HOLE SUMMARY

Project: Kolsvik

Ore Summary Sheet

Ore grade cutoff = 0.5

Hole	Collar Elevation	From	To	Au	Thick.	Elevation From	To	Total Thickness	Au
DDH-1	191	45.8	46	6.7	0.3	145.4	145.2		
		60	60.3	0.8	0.3	131.4	131.2		
		61.3	61.5	18	0.3	130.2	129.9		
								0.8	8.5
DDH-2	191	13	18	1.9	5	179.9	175.8		
		37	37.3	1.9	0.3	160.2	159.9		
								5.3	1.9
DDH-3	294	22.5	23	2.45	0.5	271	270.5		
		38.3	38.8	1.4	0.5	255.3	254.8		
		60	61	3.3	1	233.5	232.5		
		61.5	61.8	1.4	0.3	232	231.8		
		62	66.5	2.13	4.5	231.5	227		
		67.3	67.8	2.95	0.5	226.3	225.8		
		68	70.3	1.23	2.3	225.5	223.3		
		76.3	76.5	1	0.3	217.3	217		
		77.3	80	3.46	2.8	216.3	213.5		
		87.5	89.3	9.14	1.8	206	204.3		
		90	90.8	12.57	0.8	203.5	202.8		
								15	3.64
DDH-4	294	14.8	15	1	0.3	282.2	282		
		17	18	4.05	1	280.5	279.7		
		18.3	18.5	1.9	0.3	279.5	279.3		
		28.8	29.5	22.37	0.8	271.5	270.9		
								2.3	9.58
DDH-5	179								
DDH-6	179								
DDH-8	248	55.5	56.3	5.63	0.8	210.5	210		
		58.5	60.3	7.83	1.8	208.5	207.3		
		61.8	62.3	1.03	0.5	206.3	205.9		
								3	6.15
DDH-9	280	63.8	64	2.4	0.3	242.6	242.5		
		68	68.3	1.1	0.3	240.1	240		
		80	80.3	3.43	0.3	233.1	232.9		
		80.5	80.8	1.03	0.3	232.8	232.6		
								1	1.99

MICROMODEL INSITU DRILL HOLE SUMMARY

DDH-10	272	54	59	4.87	5	240.7	237.7	5	4.87
DDH-11	272	94	115.5	0.77	21.5	196.3	178.9		
		116.5	119	5.69	2.5	178	176	24	1.28
DDH-12	224	38	39	2.56	1	200.1	199.5		
		40	41.5	10.4	1.5	198.9	198	2.5	7.26
DDH-13	224	30	30.5	19	0.5	213.2	213.1		
		31	32	13.1	1	212.9	212.6		
		32.5	33	3.2	0.5	212.4	212.2		
		40.5	41.5	5.81	1	209.6	209.3	3	10
DDH-14	333								
DDH-15	182	24	24.5	2.55	0.5	165.3	165		
		25.5	25.8	1.1	0.3	164.3	164.1		
		26	26.3	1.7	0.3	163.9	163.8		
		26.5	26.8	0.6	0.3	163.6	163.4		
		27.3	31.3	14.21	4	163.1	160.3		
		31.8	32.3	4.1	0.5	159.9	159.6		
		32.8	33	21	0.3	159.2	159.1		
		33.8	34.3	4.6	0.5	158.6	158.2		
		34.5	36.3	114.7	1.8	158	156.8		
		36.5	37.5	9.27	1	156.6	156		
		37.8	38.5	4.17	0.8	155.8	155.3		
		39	40	1.6	1	154.9	154.2	11	25.75
DDH-16	182	23.3	23.5	1.2	0.3	160.9	160.7		
		32	32.5	1.4	0.5	153	152.5		
		34	35.5	3.24	1.5	151.2	149.8		
		36	36.5	1.37	0.5	149.4	148.9		
		38	38.5	1.37	0.5	147.6	147.1		
		41.5	42	2.06	0.5	144.4	143.9		
		43.5	44	1.72	0.5	142.6	142.1		
		52	53	1.63	1	134.9	134		
		63	64	1.26	1	124.9	124	6.3	1.92
DDH-17	182	32	32.5	2.06	0.5	150.5	150		
		35	36	1.15	1	147.5	146.5		
		45	46	0.83	1	137.7	136.7		
		47	50	2.75	3	135.7	132.8		
		62	64	5.76	2	120.9	119		

MICROMODEL INSITU DRILL HOLE SUMMARY

								7.5	3.04
DDH-18	182	26.5	29	4.26	2.5	163.3	161.5		
		32.5	33	3.25	0.5	159	158.7		
		34	35	2.24	1	158	157.3		
								4	3.63
DDH-19	182	9	9.5	2.87	0.5	173.8	173.3		
								0.5	2.87
DDH-20	187	17.5	18	1.53	0.5	174.6	174.3		
								0.5	1.53
DDH-21	215	8	9	3.48	1	207.2	206.2		
		27	28	0.63	1	188.2	187.2		
		32	33	8.66	1	183.2	182.2		
		34	35	0.51	1	181.2	180.2		
								4	3.32
DDH-22	182	0	2	1.39	2	182	180.6		
		11	12	0.76	1	174.2	173.5		
		15	16	1.91	1	171.4	170.7		
		19	20	1.86	1	168.6	167.9		
		22	24	1.5	2	166.4	165		
		26	27	1.74	1	163.6	162.9		
		35	36	0.72	1	157.3	156.5		
								9	1.42
DDH-23	215	49	51	2.64	2	172.8	171		
		52	53	0.95	1	170.2	169.3		
		54	55	1.45	1	168.4	167.6		
		70	71	0.96	1	154.6	153.7		
		75	76	0.76	1	150.2	149.4		
		94	98	1.62	4	133.8	130.3		
		99	101	1.54	2	129.5	127.7		
		102	103	1.67	1	126.9	126		
		104	105	0.75	1	125.1	124.3		
								14	1.53
DDH-24	215	45	46	1.41	1	174.4	173.5		
		91	92	2.03	1	132.7	131.8		
		104	107	3.09	3	120.9	118.2		
								5	2.54
DDH-25	212	29	30	38.93	1	188.4	187.5		
		37	39	2.08	2	181.7	180.1		
		70	77	9.8	7	154.4	148.6		
		78	80	2.18	2	147.7	146.1		
		81	82	0.72	1	145.2	144.4		
		84	86	1.51	2	142.8	141.1		
		98	100	2.34	2	131.2	129.5		

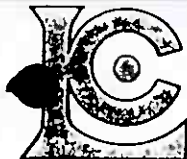
MICROMODEL INSITU DRILL HOLE SUMMARY

DDH-26	188							17	7.32
DDH-27	182	0	4	2.09	4	182	178		
		6	7	3.55	1	176	175		
		9	10	2.78	1	173	172		
		15	18	1.74	3	167	164		
		19	20	2.94	1	163	162		
		22	23	0.64	1	160	159		
		25	27	4.89	2	157	155		
		31	33	1.12	2	151	149		
		36	37	0.66	1	146	145		
								16	2.26
DDH-29	188	11	12	0.68	1	177.4	176.4		
DDH-30	179							1	0.68
DDH-31	157	7	8	1.17	1	150.3	149.3		
DDH-32	157							1	1.17
DDH-33	186								
DDH-34	157								
DDH-35	157								
DDH-36	208	123	124	0.83	1	133.6	133		
								1	0.83
DDH-40	156	58.1	60.2	0.95	2.1	104.7	102.8		
		66.8	67.8	2.8	1	97	96.1		
								3.1	1.55
DDH-41	158								
DDH-42	161								
DDH-43	152	20	23	0.94	3	135	132.5		
								3	0.94
DDH-50	190	3.6	4.6	0.62	1	190	190		
		5.5	6.5	1.96	1	190	190		
DDH-51	190	2.2	4.8	1.32	2.6	190	190		
		7.6	10.5	2.12	2.9	190	190		
								5.5	1.74
DDH-52	193	29.3	33	2.49	3.7	193	193		
		43.5	46.5	1.79	3	193	193		
		48.5	49.3	4.4	0.8	193	193		

MICROMODEL INSITU DRILL HOLE SUMMARY

								7.5	2.41
DDH-53	193	41.6	42.6	0.52	1	193	193		
		60.4	61.4	14.81	1	193	193		
		63.3	64.3	12.4	1	193	193		
		70.8	71.8	1.03	1	193	193		
								4	7.19
DDH-54	194	45.7	46.7	0.58	1	194	194		
		81.6	86.3	10.99	4.7	194	194		
		87.3	88.2	1.82	0.9	194	194		
								6.6	8.16
DDH-55	182	5.7	7	125	1.3	178.3	177.5		
		8.1	8.5	2.76	0.4	176.8	176.5		
		9.5	13.3	3.34	3.8	175.9	173.5		
		16.2	17.1	0.52	0.9	171.6	171		
		19.2	20.2	2.32	1	169.7	169		
		21.2	22.3	1.25	1.1	168.4	167.7		
								8.5	21.23
DDH-56	189	7.7	8.6	2.92	0.9	182.3	181.6		
		19.4	21	1.33	1.6	172.2	170.8		
		36.3	40	0.95	3.7	157.6	154.4		
		45.8	47.7	1.23	1.9	149.3	147.7		
								8.1	1.31
SUMMARY									
DRILL HOLE EXAMINED=				45					
DRILL HOLES WITH ASSAYS=				34					
DRILL HOLES WITH NO ASSAYS=				11					
TOTAL DRILL HOLE LENGTH=				4028.8					

Appendix 8
Chemex Lab Reports for Re-Assayed Drill Holes



Chemex Labs, Inc.

Analytical Chemists • Geochemists • Fire Assayers
994 Glendale Ave., Unit 3, Sparks
Nevada, U.S.A. 89431
PHONE 702-356-5395 FAX: 702-355-0179

To: VIKING GOLD CORPORATION
LEVEL 8, 261 GEORGE ST.
SYDNEY, NEW SOUTH WALES
2000 AUSTRALIA

A9642561

Comments: ATTN BILL FLESHMAN FAX ROSS DAY

CERTIFICATE

A9642561

(OIC) - VIKING GOLD CORPORATION

Project
P.O.#:

Samples submitted to our lab in Vancouver, BC.
This report was printed on 7-FEB-97.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
205	44	Geochem ring to approx 150 mesh
226	44	0-3 Kg crush and split
3202	44	Rock - save entire reject
238	44	Nitric-aqua-regia digestion
287	44	Special dig'n with organic ext'n

ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
983	44	Au ppb: Fuse 30 g sample	FA-AAS	5	10000
997	3	Au g/t: 1 assay ton, grav.	FA-GRAVIMETRIC	0.07	1000.0
6	44	Ag ppm: HNO ₃ -aqua regia digest	AAS-BKGD CORR	0.2	100.0
13	44	As ppm: HNO ₃ -aqua regia digest	AAS-HYDRIDE/EDL	1	10000
2	44	Cu ppm: HNO ₃ -aqua regia digest	AAS	1	10000
3	44	Mo ppm: HNO ₃ -aqua regia digest	AAS	1	1000
4	44	Pb ppm: HNO ₃ -aqua regia digest	AAS-BKGD CORR	1	10000
22	44	Sb ppm: HCl-KClO ₃ digest, extrac	AAS-BKGD CORR	0.2	1000
5	44	Zn ppm: HNO ₃ -aqua regia digest	AAS	1	10000
23	44	Bi ppm: HCl-KClO ₃ digest, extrac	AAS-BKGD CORR	0.1	1000
18	44	W ppm: K pyrosulfate fusion	COLORIMETRIC	2	1000

The results of this assay were based solely upon the content of the sample submitted. Any decision to invest should be made only after the potential investment value of the claim or deposit has been determined based on the results of assays of multiple samples of geologic materials collected by the prospective investor or by a qualified person selected by him/her and based on an evaluation of all engineering data which is available concerning any proposed project

Statement required by Nevada State Law NRS 519



Chemex Labs, Inc.

Analytical Chemists * Geochemists * Registered Assayers

994 Glendale Ave., Unit 3,
Novada, U.S.A.

Sparks
89431

PHONE: 702 356 5395 FAX: 702 355 0179

To: VIKING GOLD CORPORATION

LEVEL 8, 261 GEORGETOWN
SYDNEY, NEW SOUTH WALES
2000 AUSTRALIA

Project :

Comments: ATTN: R DAY CC: B FLESHMAN

Page Number : 1
Total Pages : 4
Certificate Date : NOV.96
Invoice No. : 839500
P.O. Number :
Account : OIC

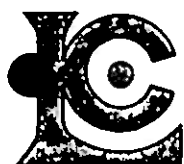
CERTIFICATE OF ANALYSIS

A9639500

SAMPLE	PREP CODE	Au ppb FA+AA	Au FA oz/T	Ag ppm Aqua R	As ppm	Cu ppm	Pb ppm	Zn ppm	W ppm	Sb ppm	Bi ppm
5809	205 226	< 5	-----	< 0.2	24	180	1	59	< 2	0.4	0.7
5810	205 226	< 5	-----	< 0.2	1	130	2	56	< 2	0.2	0.6
5811	205 226	15	-----	< 0.2	1	140	2	76	< 2	0.4	1.1
5812	205 226	10	-----	< 0.2	16	76	3	90	< 2	0.2	1.4
5813	205 226	< 5	-----	< 0.2	46	70	8	64	< 2	0.6	0.6
5814	205 226	< 5	-----	< 0.2	6	23	5	34	< 2	0.2	0.9
5815	205 226	< 5	-----	< 0.2	160	15	8	132	< 2	0.2	0.5
5816	205 226	25	-----	< 0.2	500	5	6	200	< 2	0.4	2.6
5817	205 226	125	-----	< 0.2	1580	8	6	150	< 2	1.6	1.3
5818	205 226	160	-----	0.3	2450	47	28	450	< 2	3.0	8.8
5819	205 226	10	-----	< 0.2	500	24	25	90	< 2	0.8	3.1
5820	205 226	10	-----	< 0.2	830	16	8	114	< 2	0.8	0.9
5821	205 226	< 5	-----	< 0.2	18	22	8	39	< 2	0.2	0.3
5822	205 226	10	-----	< 0.2	1490	< 1	3	7	< 2	1.6	0.5
5823	205 226	5	-----	< 0.2	520	< 1	4	5	< 2	0.4	0.5
5824	205 226	< 5	-----	< 0.2	104	23	2	51	8	0.4	0.5
5825	205 226	< 5	-----	< 0.2	60	45	3	78	< 2	0.6	0.5
5826	205 226	< 5	-----	< 0.2	72	10	3	33	4	0.6	0.5
5827	205 226	< 5	-----	< 0.2	28	11	4	121	3	0.6	0.5
5828	205 226	30	-----	< 0.2	2100	18	5	10	4	3.0	0.7
5829	205 226	< 5	-----	< 0.2	62	16	3	16	7	0.2	0.1
5830	205 226	25	-----	< 0.2	570	6	4	49	14	1.6	0.9
5831	205 226	< 5	-----	< 0.2	10	54	3	132	< 2	0.2	0.1
5832	205 226	< 5	-----	0.2	8	42	2	118	< 2	< 0.2	0.2
5833	205 226	< 5	-----	0.2	6	95	1	118	< 2	< 0.2	0.1
5834	205 226	< 5	-----	< 0.2	290	37	4	32	< 2	< 0.2	0.4
5835	205 226	< 5	-----	< 0.2	78	20	5	33	4	< 0.2	0.4
5836	205 226	< 5	-----	< 0.2	190	53	7	28	< 2	< 0.2	0.2
5837	205 226	< 5	-----	< 0.2	34	20	6	26	< 2	< 0.2	0.2
5838	205 226	< 5	-----	0.2	1	67	5	28	< 2	< 0.2	0.1
5839	205 226	< 5	-----	< 0.2	32	34	< 1	102	31	0.4	0.2
5840	205 226	< 5	-----	< 0.2	16	125	2	114	8	0.2	1.1
5841	205 226	< 5	-----	< 0.2	10	162	< 1	117	12	0.2	0.4
5842	205 226	< 5	-----	< 0.2	10	54	7	82	3	0.2	0.6
5843	205 226	< 5	-----	< 0.2	1	76	2	50	< 2	< 0.2	0.2
5844	205 226	< 5	-----	< 0.2	1	14	< 1	75	< 2	< 0.2	0.1
5845	205 226	< 5	-----	< 0.2	1	63	2	92	< 2	< 0.2	0.1
5846	205 226	< 5	-----	< 0.2	1	43	2	48	< 2	< 0.2	0.1
5847	205 226	< 5	-----	< 0.2	1	85	6	94	< 2	0.4	0.5
5848	205 226	< 5	-----	< 0.2	4	60	11	66	4	0.4	0.3

CERTIFICATION

Hart Bickler



Chemex Labs, Inc.

Analytical Chemists • Geochemists • Environmental Assayers

994 Glendale Ave., Unit 3,
Nevada, U.S.A.

Sparks
89431

PHONE: 702 356 5395 FAX: 702 355 0179

To: VIKING GOLD CORPORATION

LEVEL 8, 261 GEORGE ST.
SYDNEY, NEW SOUTH WALES
2000 AUSTRALIA

Project:

Comments: ATTN: R. DAY CC: B. FLESHMAN

Page Number : 2
Total Pages : 4
Certificate Date: 11 NOV-96
Invoice No.: 9500
P.O. Number :
Account : OIC

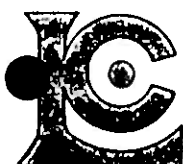
CERTIFICATE OF ANALYSIS

A9639500

SAMPLE	PREP CODE	Au ppb FA+AA	Au FA oz/T	Ag ppm Aqua R	As ppm	Cu ppm	Pb ppm	Zn ppm	W ppm	Sb ppm	Bi ppm
5849	205 226	< 5	-----	0.2	1	74	3	64	< 2	0.8	0.3
5850	205 226	< 5	-----	0.3	1	124	12	91	< 2	0.4	0.5
5851	205 226	< 5	-----	0.2	1	37	2	65	< 2	0.4	0.1
5852	205 226	< 5	-----	0.2	1	16	< 1	75	< 2	0.6	0.1
5853	205 226	< 5	-----	< 0.2	1	60	2	72	< 2	0.2	0.2
5854	205 226	< 5	-----	< 0.2	6	55	1	106	< 2	0.2	0.4
5855	205 226	< 5	-----	< 0.2	1	5	5	80	< 2	0.2	0.3
5856	205 226	< 5	-----	< 0.2	12	66	13	80	3	0.4	0.6
5857	205 226	1600	-----	0.7	>10000	1	30	8	32	22	50.0
5858	205 226	< 5	-----	< 0.2	450	7	2	3	< 2	0.4	0.4
5859	205 226	< 5	-----	< 0.2	354	< 1	3	3	< 2	0.4	0.4
5860	205 226	15	-----	< 0.2	1420	< 1	< 1	2	< 2	1.4	0.8
5861	205 226	800	-----	< 0.2	>10000	< 1	6	7	17	24	14.0
5862	-- --	Not Red	-----	Not Red	Not Red	Not Red	Not Red	Not Red	Not Red	Not Red	Not Red
5863	205 226	>10000	0.317	0.8	>10000	2	2	5	22	51	160.0
5864	205 226	< 5	-----	< 0.2	228	< 1	8	13	< 2	0.2	0.3
5865	205 226	70	-----	< 0.2	1550	< 1	5	8	2	1.4	0.9
5866	-- --	Not Red	-----	Not Red	Not Red	Not Red	Not Red	Not Red	Not Red	Not Red	Not Red
5867	205 226	< 5	-----	< 0.2	16	< 1	7	12	< 2	0.2	0.2
5868	205 226	< 5	-----	< 0.2	100	3	11	104	2	1.8	0.3
5869	205 226	< 5	-----	0.2	22	2	5	17	< 2	0.2	0.2
5870	205 226	6260	-----	1.0	>10000	< 1	25	8	9	16.0	24.0
5871	205 226	20	-----	< 0.2	100	4	17	96	< 2	0.8	0.3
5872	205 226	15	-----	< 0.2	408	8	2	6	350	0.2	8.4
5873	205 226	40	-----	< 0.2	60	66	< 1	129	< 2	1.4	0.5
5874	205 226	< 5	-----	< 0.2	44	< 1	2	2	< 2	< 0.2	0.2
5875	205 226	< 5	-----	< 0.2	10	< 1	< 1	3	< 2	< 0.2	0.2
5876	205 226	< 5	-----	0.6	66	470	< 1	12	< 2	< 0.2	0.6
5877	205 226	< 5	-----	< 0.2	12	10	7	30	< 2	< 0.2	0.5
5878	205 226	< 5	-----	< 0.2	8	7	3	6	< 2	< 0.2	0.2
5879	205 226	< 5	-----	< 0.2	10	< 1	4	2	< 2	< 0.2	0.2
5880	205 226	< 5	-----	< 0.2	6	3	11	14	< 2	< 0.2	< 0.1
5881	205 226	< 5	-----	< 0.2	6	< 1	7	18	< 2	< 0.2	< 0.1
5882	205 226	< 5	-----	< 0.2	6	12	6	19	< 2	< 0.2	0.2
5883	205 226	< 5	-----	< 0.2	86	3	20	130	< 2	2.0	0.2
5884	205 226	< 5	-----	< 0.2	36	2	17	46	< 2	1.0	0.1
5885	205 226	50	-----	< 0.2	26	3	16	62	< 2	0.8	0.1
5886	205 226	15	-----	< 0.2	50	10	31	124	< 2	1.6	0.1
5887	205 226	10	-----	0.6	44	38	25	98	< 2	1.2	0.1
5888	205 226	10	-----	< 0.2	26	8	18	40	< 2	0.6	0.1

CERTIFICATION

John Bickler



Chemex Labs, Inc.

Analytical Chemists * Geochemists * Refractory Assayers

994 Glendale Ave., Unit 3,

Sparks

Nevada, U.S.A.

89431

PHONE 702-356-5395 FAX 702-355-0179

To: VIKING GOLD CORPORATION

LEVEL 8, 261 GEORGE ST
SYDNEY, NEW SOUTH WALES
2000 AUSTRALIA

Project:

Comments: ATTN: R. DAY CC: B. FLESHMAN

Page Number 3
Total Pages 4
Certificate Date 18 NOV 96
Invoice No. 89500
P.O. Number
Account OIC

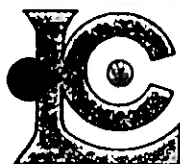
CERTIFICATE OF ANALYSIS

A9639500

SAMPLE	PREP CODE		Au ppb FA+AA	Au FA oz/T	Ag ppm Aqua R	As ppm	Cu ppm	Pb ppm	Zn ppm	W ppm	Sb ppm	Bi ppm
5889	205	226	20	-----	0.2	56	24	46	80	< 2	2.2	0.1
5890	205	226	65	-----	0.2	158	8	13	46	< 2	2.4	< 0.1
5891	205	226	< 5	-----	< 0.2	36	< 1	8	18	< 2	2.2	0.1
5892	205	226	30	-----	< 0.2	20	1	10	10	< 2	0.6	0.1
5893	205	226	< 5	-----	< 0.2	16	3	13	33	< 2	1.0	0.1
5894	205	226	< 5	-----	< 0.2	12	9	19	52	< 2	0.8	0.1
5895	205	226	< 5	-----	< 0.2	1	16	18	28	< 2	0.2	0.1
5896	205	226	< 5	-----	< 0.2	1	< 1	3	4	< 2	< 0.2	0.1
5897	205	226	< 5	-----	< 0.2	1	< 1	< 1	4	< 2	0.2	0.1
5898	205	226	< 5	-----	< 0.2	32	3	< 1	56	< 2	0.8	0.1
5899	205	226	265	-----	0.2	>10000	10	12	4	< 3	26	1.3
5900	205	226	< 5	-----	< 0.2	316	6	< 1	3	< 2	1.8	< 0.1
5901	205	226	< 5	-----	< 0.2	840	5	< 1	2	< 3	2.2	0.1
5902	205	226	< 5	-----	< 0.2	432	3	11	22	< 2	0.4	0.2
5903	205	226	30	-----	< 0.2	3700	13	< 1	2	< 2	7.6	0.2
5904	205	226	< 5	-----	< 0.2	1	8	9	18	< 2	0.2	0.1
5905	205	226	< 5	-----	< 0.2	94	17	1	72	< 2	0.2	0.1
5906	205	226	< 5	-----	< 0.2	1010	4	3	8	< 2	1.6	< 0.1
5907	205	226	< 5	-----	< 0.2	44	3	3	10	< 2	0.8	< 0.1
5908	205	226	< 5	-----	< 0.2	10	3	6	14	< 2	0.4	0.1
5909	205	226	< 5	-----	< 0.2	1	2	5	4	< 2	0.2	0.2
5910	205	226	< 5	-----	< 0.2	4	6	7	16	< 2	0.4	0.3
5911	205	226	4690	-----	0.7	>10000	29	25	4	< 2	105	3.2
5912	205	226	255	-----	< 0.2	5900	35	< 1	3	< 2	11.0	0.5
5913	205	226	2160	-----	0.5	>10000	46	< 1	2	< 2	20	0.6
5914	205	226	5430	-----	0.4	>10000	10	11	6	< 2	59	1.5
5915	205	226	60	-----	< 0.2	3200	4	< 1	2	< 2	6.4	0.5
5916	205	226	180	-----	< 0.2	4500	4	1	1	< 2	9.0	0.3
5917	205	226	< 5	-----	< 0.2	82	8	2	4	< 2	0.6	0.1
5918	205	226	60	-----	< 0.2	3850	3	4	2	< 2	8.8	0.7
5919	205	226	25	-----	< 0.2	2050	8	1	10	7	3.6	0.1
5920	205	226	1480	-----	0.6	>10000	14	60	8	17	68	12.0
5921	205	226	10	-----	< 0.2	2350	11	5	6	< 2	7.4	0.3
5922	205	226	< 5	-----	< 0.2	610	3	< 1	2	< 2	2.0	0.2
5923	205	226	< 5	-----	< 0.2	610	3	2	2	< 2	1.8	0.2
5924	205	226	10	-----	< 0.2	5600	14	92	4	< 2	40	61.0
5925	205	226	< 5	-----	< 0.2	4	13	< 1	10	< 2	0.2	0.1
5926	205	226	< 5	-----	< 0.2	18	7	5	30	< 2	0.2	0.3
5927	205	226	< 5	-----	< 0.2	8	13	8	30	< 2	0.2	0.1
5928	205	226	305	-----	< 0.2	2	13	2	42	85	< 0.2	114.0

CERTIFICATION

Hart Buchler



Chemex Labs, Inc.

Analytical Chemists * Geochemists * Refractory Assayers

994 Glendale Ave., Unit 3,

Sparks

Nevada, U.S.A.

89431

PHONE: 702-356-5395 FAX: 702-355-0179

To: VIKING GOLD CORPORATION

LEVEL 8, 261 GEORGE ST.
SYDNEY, NEW SOUTH WALES
2000 AUSTRALIA

Project:

Comments: ATTN: R. DAY CC: B. FLESHMAN

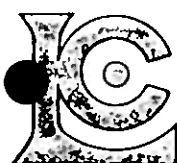
Page Number 4
Total Pages 4
Certificate Date: NOV 96
Invoice No. 89500
P.O. Number
Account OIC

CERTIFICATE OF ANALYSIS

A9639500

SAMPLE	PREP CODE		Au ppb FA+AA	Au FA oz/T	Ag ppm Aqua R	As ppm	Cu ppm	Pb ppm	Zn ppm	W ppm	Sb ppm	Bi ppm
5929	205	226	< 5	-----	< 0.2	1	30	3	54	2	< 0.2	< 0.1
5930	205	226	< 5	-----	< 0.2	1	6	9	14	< 2	0.2	< 0.1
5931	205	226	< 5	-----	< 0.2	1	15	< 1	8	2	0.2	0.1
5932	205	226	1330	-----	< 0.2	>10000	3	4	8	6	11.5	6.8
9610335	205	226	< 5	-----	< 0.2	18	222	< 1	34	38	0.2	0.2
9610336	205	226	< 5	-----	< 0.2	20	280	< 1	38	400	0.2	0.2
9610337	205	226	< 5	-----	< 0.2	1	84	< 1	38	3	0.2	0.1
9610338	205	226	< 5	-----	0.2	1	270	< 1	50	570	0.2	0.3
9610339	205	226	< 5	-----	< 0.2	1	4	6	54	< 2	0.6	0.1
9610340	205	226	< 5	-----	< 0.2	1	82	< 1	82	< 2	0.2	0.1
9610341	205	226	< 5	-----	< 0.2	1	145	2	96	< 2	0.2	< 0.1
9610342	205	226	< 5	-----	< 0.2	1	46	< 1	66	< 2	0.2	< 0.1
9610384	205	226	< 5	-----	< 0.2	12	4	8	4	< 2	0.6	0.1
9610385	205	226	< 5	-----	< 0.2	24	3	7	7	< 2	0.8	0.1
9610386	205	226	< 5	-----	< 0.2	1	95	5	122	< 2	0.4	0.1
9610387	205	226	< 5	-----	< 0.2	268	34	5	14	< 2	0.8	0.2
9610388	205	226	< 5	-----	< 0.2	6	3	6	12	< 2	0.8	< 0.1
9610389	205	226	< 5	-----	< 0.2	218	10	< 1	39	3	3.2	< 0.1
9610390	205	226	< 5	-----	< 0.2	1	19	4	19	4	0.4	0.2

CERTIFICATION: Hart Buchler



Chemex Labs, Inc.

Analytical Chemists • Geochemists • Registered Assayers

994 Glendale Ave., Unit 3,
Nevada, U.S.A.

Sparks
89431

PHONE: 702-356-5395 FAX: 702-355-0179

To: VIKING GOLD CORPORATION

LEVEL 8, 261 GEORGE ST.
SYDNEY, NEW SOUTH WALES
2000 AUSTRALIA

Project:

Comments: ATTN: BILL FLESHMAN FAX: ROSS DAY

Page Number : 1
Total Pages : 2
Certificate Date : DEC-96
Invoice No. : 42561
P.O. Number :
Account : OIC

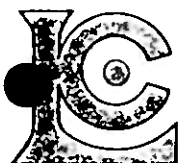
CERTIFICATE OF ANALYSIS

A9642561

SAMPLE	PREP CODE	Au ppb FA+AA	Au FA g/t	Ag ppm Aqua R	As ppm	Cu ppm	Mo ppm	Pb ppm	Sb ppm	Zn ppm	Bi ppm	W ppm			
05933	205 226	< 5	-----	< 0.2	126	< 1	< 1	4	0.6	6	< 0.1	2			
05934	205 226	< 5	-----	< 0.2	1	< 1	< 1	7	0.4	14	0.1	< 2			
05935	205 226	< 5	-----	0.2	38	3	< 1	6	< 0.2	27	< 0.1	< 2			
05936	205 226	< 5	-----	< 0.2	2	< 1	< 1	6	< 0.2	21	< 0.1	< 2			
05937	205 226	< 5	-----	< 0.2	2	< 1	< 1	5	< 0.2	15	< 0.1	< 2			
05938	205 226	5050	-----	< 0.2	7900	< 1	< 1	4	6.2	2	1.1	< 2			
05939	205 226	1170	-----	0.2	9500	4	< 1	14	6.6	2	4.4	< 2			
05940	205 226	405	-----	< 0.2	>10000	< 1	< 1	10	8.2	1	1.4	< 2			
05941	205 226	290	-----	< 0.2	2700	< 1	2	3	3.0	2	0.6	< 2			
05942	205 226	475	-----	< 0.2	6500	< 1	< 1	14	5.6	3	4.6	< 2			
05943	205 226	115	-----	< 0.2	4650	< 1	< 1	4	4.6	2	1.2	< 2			
05944	205 226	25	-----	< 0.2	1620	< 1	< 1	4	1.6	2	0.6	< 2			
05945	205 226	>10000	68.09	13.7	>10000	68	1	2600	380	7	670	80			
05946	205 226	4440	-----	0.9	>10000	3	< 1	37	43	8	22.0	280			
05947	205 226	4910	-----	0.7	>10000	9	1	45	44	25	48.0	19			
05948	205 226	>10000	9.02	1.0	>10000	7	2	64	32	45	11.0	17			
05949	205 226	15	-----	< 0.2	120	< 1	< 1	6	1.0	7	0.8	< 2			
05950	205 226	< 5	-----	< 0.2	54	15	< 1	16	0.6	90	0.6	< 2			
05951	205 226	< 5	-----	< 0.2	16	9	1	17	0.6	81	0.6	2			
05952	205 226	< 5	-----	< 0.2	12	5	< 1	2	0.2	16	0.4	< 2			
05953	205 226	< 5	-----	< 0.2	60	< 1	< 1	4	0.2	3	0.1	< 2			
05954	205 226	< 5	-----	< 0.2	188	< 1	< 1	5	0.4	3	0.1	< 2			
05955	205 226	5	-----	< 0.2	30	3	1	2	0.2	4	0.1	2			
05956	205 226	3050	-----	< 0.2	1060	< 1	1	3	0.8	5	0.1	< 2			
05957	205 226	< 5	-----	0.2	4	218	1	3	< 0.2	22	0.1	2			
05958	205 226	< 5	-----	< 0.2	4	5	1	6	< 0.2	13	0.5	< 2			
05959	205 226	< 5	-----	0.5	34	480	2	2	< 0.2	10	0.2	< 2			
05960	205 226	15	-----	< 0.2	2	7	1	8	< 0.2	27	< 0.1	< 2			
05961	205 226	< 5	-----	< 0.2	6	4	1	6	0.2	6	< 0.1	< 2			
05962	205 226	< 5	-----	< 0.2	4	1	1	5	< 0.2	4	< 0.1	< 2			
05963	205 226	< 5	-----	< 0.2	4	< 1	< 1	9	0.2	4	< 0.1	2			
05964	205 226	< 5	-----	< 0.2	4	2	< 1	7	< 0.2	50	0.1	7			
05965	205 226	< 5	-----	< 0.2	16	< 1	< 1	4	< 0.2	15	< 0.1	4			
05966	205 226	< 5	-----	< 0.2	18	48	< 1	< 1	0.2	26	0.2	< 2			
05967	205 226	10	-----	< 0.2	18	110	6	3	0.2	75	< 0.1	< 2			
05968	205 226	2100	-----	< 0.2	>10000	2	< 1	4	13.0	4	3.6	7			
05969	205 226	5960	-----	1.6	>10000	5	< 1	105	19.5	50	77.0	27			
05970	205 226	< 5	-----	< 0.2	40	160	5	3	< 0.2	33	0.3	< 2			
05971	205 226	< 5	-----	< 0.2	78	35	2	8	1.0	132	0.3	< 2			
05972	205 226	15	-----	< 0.2	4	90	2	< 1	< 0.2	55	0.1	< 2			

CERTIFICATION:

Hart Bickler



Chemex Labs, Inc.

Analytical Chemists • Geochemists • Registered Assayers

994 Glendale Ave., Unit 3, Sparks
Nevada, U.S.A. 89431
PHONE: 702-356-5395 FAX: 702-355-0179

To: VIKING GOLD CORPORATION

LEVEL 8, 261 GEORGE ST.
SYDNEY, NEW SOUTH WALES
2000 AUSTRALIA

Project :

Comments: ATTN: BILL FLESHMAN FAX: ROSS DAY

Page Number : 2
Total Pages : 2
Certificate Date : 10 DEC-96
Invoice No. : 42561
P.O. Number :
Account : OIC

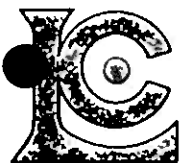
CERTIFICATE OF ANALYSIS

A9642561

SAMPLE	PREP CODE	Au ppb FA+AA	Au FA g/t	Ag ppm Aqua R	As ppm	Cu ppm	Mo ppm	Pb ppm	Sb ppm	Zn ppm	Bi ppm	W ppm			
05973	205 226	>10000	11.45	0.2	>10000	4	2	< 1	13.0	20	6.6	20			
05974	205 226	4140	-----	0.2	8000	30	1	6	5.4	72	25.0	< 2			
05975	205 226	540	-----	< 0.2	2600	16	2	2	2.0	24	1.1	14			
05976	205 226	10	-----	< 0.2	164	32	2	2	1.6	85	0.8	16			

CERTIFICATION:

Hart Buchler



Chemex Labs, Inc.

Analytical Chemists * Geochemists * Registered Assayers

994 Glendale Ave., Unit 3,
Nevada, U.S.A.

Sparks
89431

PHONE: 702-356-5395 FAX: 702-355-0179

To: VIKING GOLD CORPORATION

LEVEL 8, 261 GEORGE STREET
SYDNEY, NEW SOUTH WALES
2000 AUSTRALIA

A9639500

Comments: ATTN: R. DAY CC: B. FLESHMAN

CERTIFICATE

A9639500

(OIC) - VIKING GOLD CORPORATION

Project
P.O. #

Samples submitted to our lab in Vancouver, BC.
This report was printed on 10-DEC-96.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
205	137	Geochem ring to approx 150 mesh
226	137	0-3 Kg crush and split
3202	137	Rock - save entire reject
238	137	Nitric-aqua-regia digestion
287	137	Special dig'n with organic ext'n

ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
983	137	Au ppb: Fuse 30 g sample	FA-AAS	5	10000
996	1	Au oz/T: 1 assay ton	FA-GRAVIMETRIC	0.002	30.000
6	137	Ag ppm: HNO ₃ -aqua regia digest	AAS-BKGD CORR	0.2	100.0
13	137	As ppm: HNO ₃ -aqua regia digest	AAS-HYDRIDE/EDL	1	10000
2	137	Cu ppm: HNO ₃ -aqua regia digest	AAS	1	10000
4	137	Pb ppm: HNO ₃ -aqua regia digest	AAS-BKGD CORR	1	10000
5	137	Zn ppm: HNO ₃ -aqua regia digest	AAS	1	10000
18	137	W ppm: K pyrosulfate fusion	COLORIMETRIC	2	1000
22	137	Sb ppm: HCl-KClO ₃ digest, extrac	AAS-BKGD CORR	0.2	1000
23	137	Bi ppm: HCl-KClO ₃ digest, extrac	AAS-BKGD CORR	0.1	1000

The results of this assay were based solely upon the content of the sample submitted. Any decision to invest should be made only after the potential investment value of the claim or deposit has been determined based on the results of assays of multiple samples of geologic materials collected by the prospective investor or by a qualified person selected by him/her and based on an evaluation of all engineering data which is available concerning any proposed project.

Statement required by Nevada State Law NRS 519

Appendix 10
NGU ROCK CHIP DATA

NGU ROCK DATA-CALEB BRETT LAB RESULTS

Sample no.	Fe	Ag	As	Au (ppb)	Au (ppb) ACME	Ba	Bi	Co	Cu	Mo	Ni	Pb	S	Sb	Se	Sn	Te	Th	U	W	Zn
NO0056 01	27226	< 1	27305	2096		332	45	< 2	26	3	7	14	7640	9	7	< 2	< 1	< 1	4	< 2	13
NO0056 02	105138	2	107395	> 10000	21510	191	276	109	655	16	20	389	40337	42	35	10	15	< 1	7	1315	79
NO0056 03	6453	4	94	6		113	< 1	4	< 1	2	4	7	656	< 1	< 1	8	< 1	10	4	< 2	6
NO0056 04	49680	3	157	6		9	8	8	37	4	6	12	8185	4	< 1	58	< 1	3	4	< 2	60
NO0056 05	119928	< 1	106	13		51	8	32	404	< 1	31	17	87236	2	3	87	< 1	6	12	< 2	74
NO0056 06	45938	< 1	48442	> 10000	8310	332	99	20	39	3	12	10	15526	26	12	5	5	< 1	11	292	4
NO0056 07	126229	< 1	190916	8738	14662	68	436	247	134	8	273	48	57826	77	46	5	11	< 1	4	17	35
NO0056 08	42192	< 1	50301	2342		337	134	47	43	4	7	60	17703	40	17	5	11	< 1	5	3	17
NO0056 09	17931	< 1	19140	2375		339	58	5	19	3	5	26	6346	19	5	7	< 1	3	4	2	< 3
NO0056 10	22709	< 1	7549	974		546	10	9	6	2	17	10	2813	8	2	8	13	12	< 1	47	23
NO0056 11	10441	3	6554	74	147	297	19	17	12	2	8	24	2525	21	< 1	7	< 1	< 1	3	< 2	4
NO0056 12	86531	10	112782	> 10000	99000	26	2305	37	186	9	19	2159	39336	485	28	< 2	5	< 1	< 1	< 2	17
NO0056 13	37093	< 1	38768	1954		< 8	44	13	30	6	6	8	14256	38	11	7	2	< 1	< 1	190	< 3
NO0056 14	63859	< 1	83081	1820		330	185	23	64	3	24	103	25965	103	19	< 2	7	< 1	2	398	81
NO0056 15	25128	< 1	22392	697		264	32	5	19	3	12	26	8581	27	8	4	4	1	2	4	66
NO0056 16	20054	1	16483	934		164	23	9	15	2	6	32	5663	27	3	10	2	< 1	5	< 2	< 3
NO0056 17	9718	< 1	8094	332		208	13	6	5	3	11	42	2788	15	2	4	< 1	5	4	< 2	< 3
NO0056 18	13080	< 1	10623	209		278	16	5	8	2	2	42	4209	17	4	5	< 1	5	5	< 2	< 3
NO0056 19	125968	< 1	188796	3606	4307	26	305	49	166	6	10	53	57646	105	54	< 2	16	< 1	4	< 2	21
NO0056 20	45791	< 1	44086	634		11	60	8	63	6	3	19	19235	30	13	< 2	7	< 1	< 1	2	3
NO0056 21	41707	< 1	192	9		282	4	9	16	1	24	4	2290	6	< 1	13	< 1	12	2	4	43
NO0056 22	82147	< 1	66	4		27	< 1	33	533	5	19	13	71552	2	3	28	< 1	< 1	8	< 2	167
NO0056 23	81219	< 1	101008	2643		76	184	84	71	4	127	9	31134	39	29	3	5	< 1	6	10	17
NO0056 24	163395	4	251460	> 10000	15897	43	4010	66	225	5	22	991	73417	259	68	< 2	3	< 1	< 1	24	65
NO0056 25	103841	< 1	115059	5352		370	797	28	82	4	35	138	31574	132	35	< 2	1	< 1	< 1	46	112
NO0056 26	81051	< 1	93791	> 10000	10592	536	1795	26	77	4	27	291	26980	116	19	< 2	< 1	< 1	2	64	67
NO0056 27	17177	3	196	52		32	4	3	4	< 1	5	8	474	3	< 1	4	13	2	< 1	< 2	16
NO0056 28	6514	4	124	5		154	8	4	< 1	< 1	3	10	405	5	< 1	8	< 1	12	2	< 2	5
NO0056 29	9324	1	7125	821	574	307	10	5	5	1	2	23	2443	10	< 1	9	12	13	6	< 2	< 3
NO0056 30	80672	< 1	117385	> 10000		233	173	70	82	2	105	86	32589	130	37	< 2	3	< 1	2	< 2	7
NO0056 31	23718	< 1	25340	> 10000	36915	282	44	16	27	3	39	29	7876	45	9	5	< 1	3	4	< 2	5
NO0056 32	13014	3	2661	332	598	149	6	3	27	3	3	322	5988	6	< 1	8	11	< 1	4	16	198
NO0056 33	70055	< 1	174	6		596	38	51	399	2	44	32	34257	7	< 1	5	8	7	4	14	44
NO0056 34	51835	< 1	33861	7462		1012	50	21	36	1	54	16	10527	25	13	9	12	1	4	25	39
NO0056 35	75769	< 1	85412	> 10000	13831	609	140	50	65	4	100	47	24392	38	28	14	34	< 1	2	69	66

NGU ROCK DATA-CALEB BRETT LAB RESULTS

Sample no.	Fe	Ag	As	Au (ppb)	Au (ppb) ACME	Ba	Bi	Co	Cu	Mo	Ni	Pb	S	Sb	Se	Sn	Te	Th	U	W	Zn
NO0056.36	93494	6	125881	> 10000	535000	64	443	305	89	4	355	212	36814	163	35	< 2	8	< 1	< 1	227	23
NO0056.37	118646	< 1	171620	> 10000	12060	37	298	62	123	7	23	9	52714	87	48	7	48	< 1	< 1	< 2	7
NO0056.38	20893	< 1	11632	1539		394	18	7	11	1	11	17	4687	3	4	< 2	6	3	3	173	27
NO0056.39	76161	< 1	104219	> 10000	11993	967	173	52	78	5	32	109	31964	49	27	11	12	< 1	2	230	42
NO0056.40	23885	< 1	24561	838	2071	45	45	7	19	3	2	28	9528	13	8	10	6	< 1	< 1	559	< 3
NO0056.41	53273	< 1	72062	> 10000	12687	195	94	61	55	5	24	24	23964	49	26	9	24	< 1	3	2001	14
NO0056.42	184327	< 1	317680	4538		58	832	302	231	16	< 2	53	93592	147	127	< 2	192	< 1	< 1	584	35
NO0056.43	48968	< 1	53624	2118	1965	602	132	28	55	2	< 2	15	18642	26	15	11	17	< 1	2	10	11
NO0056.44	175980	< 1	390	7		78	8	78	1749	6	25	10	112124	< 1	4	16	< 1	3	3	3	75
NO0056.45	70175	< 1	101	5		77	< 1	19	25	3	18	7	2060	< 1	< 1	35	< 1	6	5	< 2	207
NO0056.46	17801	< 1	14094	722		217	23	3	51	2	< 2	96	6278	14	4	5	1	1	5	< 2	5
NO0056.47	65521	< 1	82073	4243		315	137	21	86	5	< 2	186	26300	62	25	7	7	< 1	7	< 2	27
NO0056.48	43792	17	3645	53	219	209	47	5	614	2	24	370	19574	11	3	8	< 1	8	9	< 2	119
NO0056.49	77528	< 1	99694	7361	6922	133	369	50	115	5	13	99	26711	81	33	14	25	< 1	4	< 2	369
NO0056.50	153489	< 1	254863	> 10000	13975	147	465	108	185	8	60	57	72962	164	70	< 2	50	< 1	< 1	< 2	52
NO0056.51	72709	< 1	81608	> 10000	10228	596	419	35	116	2	62	152	23196	88	18	2	< 1	< 1	< 1	32	75
NO0056.52	40824	< 1	44529	> 10000	16914	312	63	13	35	3	17	17	15464	52	10	3	< 1	< 1	2	10	10
NO0056.53	74527	< 1	11013	196		146	23	39	35	< 1	22	14	8205	31	3	12	2	2	6	< 2	136
NO0056.54	100275	< 1	223	15		73	3	20	330	1	29	14	32936	5	< 1	39	1	11	4	< 2	241
NO0056.55	31920	< 1	34148	9647	6526	408	76	12	35	2	7	38	10934	40	8	5	1	3	5	2	< 3
NO0056.56	38971	< 1	40504	4082		233	89	9	93	2	11	41	13726	45	9	3	< 1	< 1	5	< 2	6
NO0056.57	87768	< 1	131188	7764		143	187	29	96	5	7	37	35578	112	39	< 2	8	< 1	3	1138	30
NO0056.58	113905	< 1	170851	4913		19	295	94	125	7	13	264	52050	275	48	< 2	12	< 1	2	5	31
NO0056.59	99323	< 1	126387	3870		168	339	63	101	6	111	41	32824	82	81	13	6	< 1	4	17996	35
NO0056.60	101109	< 1	147981	> 10000	15241	204	955	32	103	5	18	176	40712	138	32	< 2	2	< 1	4	26	30
NO0056.61	47706	< 1	53214	9697	6124	407	351	7	43	3	15	30	16706	58	14	2	< 1	< 1	3	17	10
NO0056.62	106750	< 1	161483	1300		< 8	358	50	112	7	14	38	48278	78	48	6	22	< 1	< 1	< 2	24
NO0056.63	48401	< 1	51471	544	1073	277	140	12	47	1	11	49	16243	35	13	19	11	< 1	3	< 2	21
NO0056.64	101084	< 1	146102	1614		85	415	49	109	5	3	84	47121	75	46	5	31	< 1	3	< 2	20
NO0056.65	81745	< 1	96439	2556		41	195	10	66	3	12	26	30547	105	21	< 2	< 1	< 1	< 1	< 2	33

Caleb Brett Int. Ltd. XRF-analysis, except gold Fire Assay Elemental data are quoted in ppm, except gold in ppb.

NGU ROCK DATA- ACME LAB RESULTS

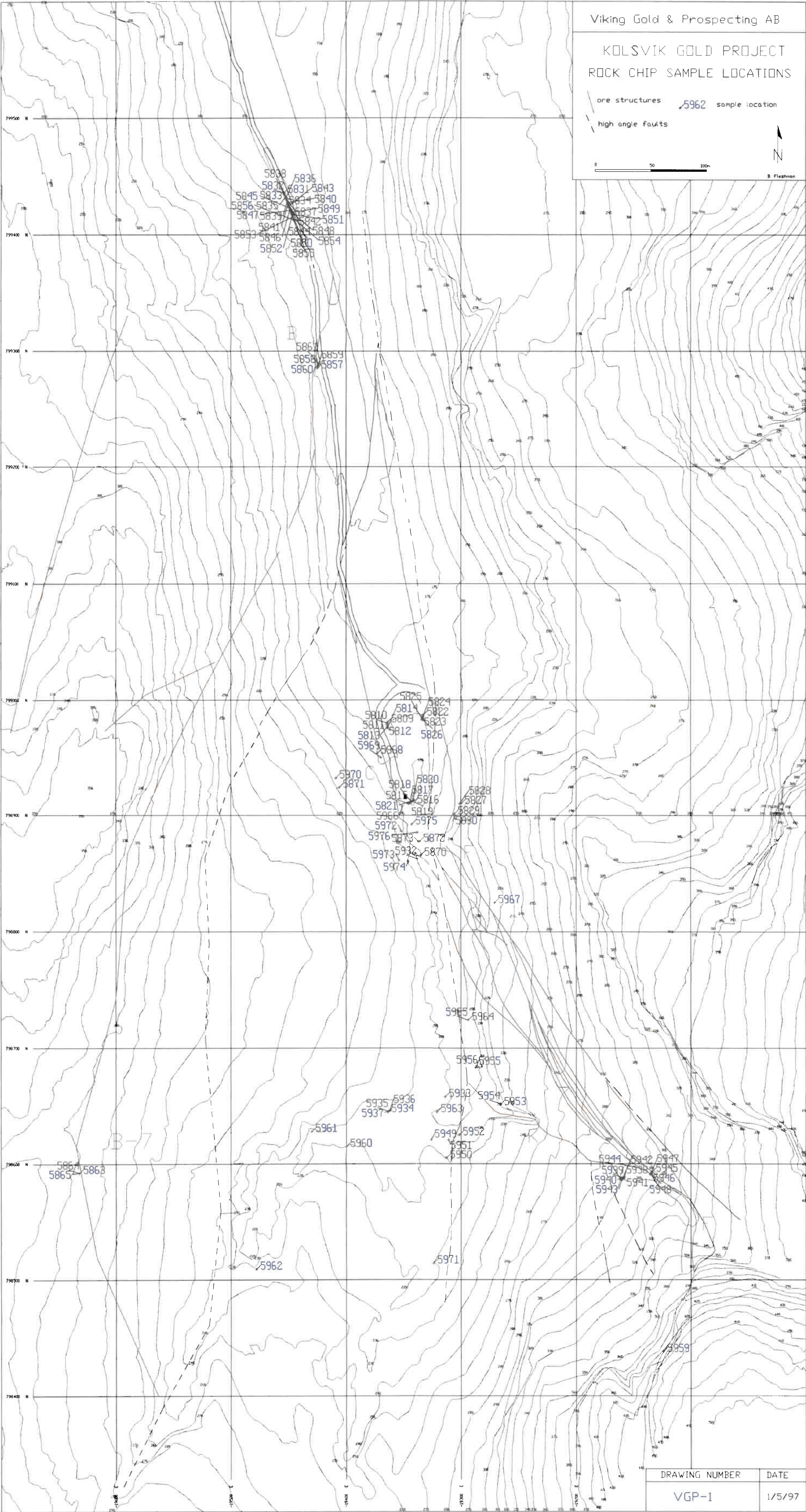
11.04.1997

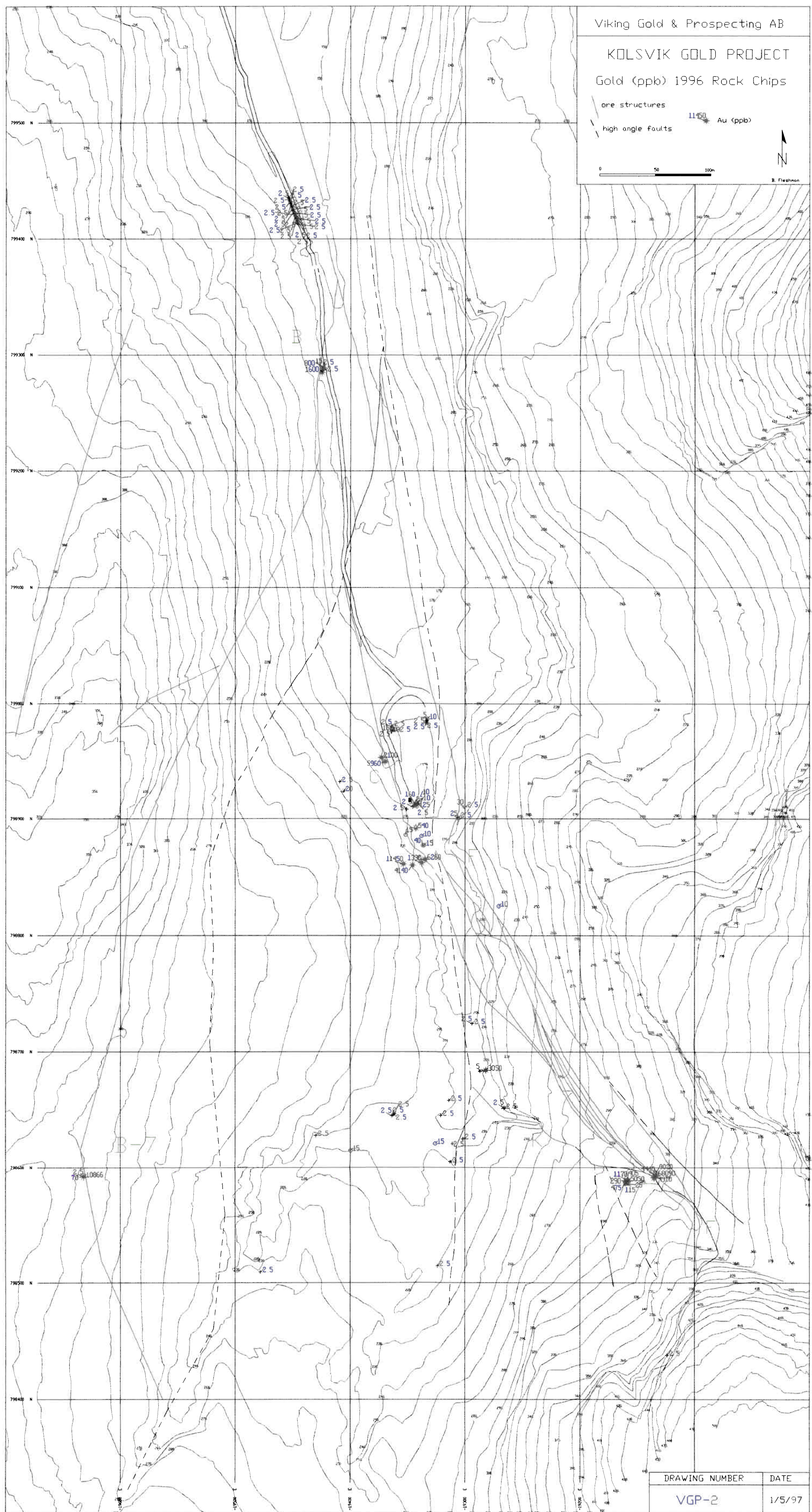
SAMPLE NUMBER	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	Au ppm	Hg ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ti %	B %	Al %	Na %	K %	W ppm	Au** ppb	Pt** ppb	Pd** ppb	Rh** ppb	S %	Sn ppm		
NO0056.66	1	7	26	173	0.2	13	4	459	1.1	26	5	2	1	441	0.4	2	2	12	21.3	0.02	9	22	0.4	4	0	2	2.3	0	0.3	1	164	1	3		0.01	1
NO0056.67	3	1034	28	133	1.1	19	49	418	14.3	5	5	2	3	49	0.5	2	2	3	1.45	0.1	4	3	0.1	5	0.1	4	1.4	0.1	0	1	5	1	4		8.9	1
NO0056.68	1	1280	19	118	0.9	28	43	491	21.3	4	5	2	2	37	1	2	2	10	1.53	0.05	4	8	0.2	5	0.1	4	1.1	0.1	0	1	10	1	3		11.9	1
NO0056.69	2	543	17	163	0.5	17	27	691	11.1	2	5	2	4	40	0.6	2	2	9	1.79	0.05	9	9	0.2	6	0.1	2	1.2	0.1	0.1	1	13	2	3		6.11	1
NO0056.70	5	23	27	22	0.5	6	1	50	16.7	47504	5	6	2	6	0.2	105	221	2	0.06	0	2	14	0	11	0	8	0.1	0	0	17	4216	1	1		7.71	1
NO0056.71	2	9	25	29	65	12	5	94	0.98	5016	5	1235	1	20	0.2	4	4	1	0.47	0	2	8	0.1	1	0	3	0.1	0	0	34	99999	2	2		0.11	2
NO0056.72	3	5	21	16	1	9	1	33	1.52	12332	5	25	9	6	0.2	11	17	1	0.04	0.01	2	9	0	13	0	2	0.1	0	0.1	164	3813	5	5		0.25	2
NO0056.73	6	7	116	16	5.2	42	5	27	22.6	47158	6	29	10	4	0.2	189	88	1	0.05	0.01	2	4	0	5	0	10	0.1	0	0.1	29	23252	2	2		11.9	1
NO0056.74	8	146	286	1	4.1	34	33	10	29.8	46838	8	12	6	14	0.2	233	52	1	0.01	0.01	8	5	0	6	0	17	0.3	0	0.1	33	20012	1	1		15.1	1
NO0056.75	24	7	30	31	1.2	7	57	51	7.35	96953	9	5	11	16	0.2	54	18	4	0.37	0.12	28	2	0.2	25	0	4	0.3	0	0.1	132	5094	3	2		1	4.44
NO0056.76	11	6	14	1	0.6	6	1	15	23.9	99999	5	7	1	2	0.2	94	226	1	0.01	0	2	6	0	5	0	5	0	0	0	72	9639	7	4		1	17.3
NO0056.77	4	5	8	21	0.4	31	21	161	9.3	99999	5	5	8	62	0.2	28	11	41	1.45	0.1	27	50	1.5	38	0.1	2	1.2	0	1.2	26	4710	3	2		1	4.99
NO0056.78	7	8	6	15	0.1	10	8	75	2.01	21514	5	2	7	10	0.2	8	12	5	0.1	0.02	10	10	0.2	13	0	2	0.4	0.1	0.2	1	256	4	2		1	0.43
NO0056.79	4	22	24	3	0.4	4	7	30	4.78	53062	5	2	6	10	0.2	20	11	1	0.08	0.03	8	4	0	11	0	4	0.2	0	0.1	1	293	3	2		1	1.97
NO0056.80	5	6	14	5	0.1	60	14	56	3.49	43609	5	2	2	12	0.2	12	11	5	0.15	0.02	8	24	0.2	8	0	3	0.2	0	0.1	1	477	2	1		1	1.47
NO0056.81	4	6	113	9	2.8	131	62	50	11.7	99999	5	20	6	9	0.2	82	22	6	0.15	0.04	11	10	0.3	6	0	17	0.4	0	0.1	25	16932	6	2		1	7.79
NO0056.82	3	11	5	38	0.1	40	13	209	3.02	15477	5	2	7	15	0.2	13	2	23	0.34	0.08	14	37	0.7	45	0.1	2	1.1	0.1	0.2	1	322	6	2		1	0.32
NO0056.83	4	7	10	2	0.1	12	5	31	3.5	45348	5	2	3	6	0.2	46	4	1	0.04	0.01	2	8	0.1	5	0	2	0.2	0	0.1	1	363	3	1		1	0.93
NO0056.84	5	5	163	1	2.6	10	1	13	13.5	99999	5	12	10	6	0.2	146	100	1	0.02	0.01	5	1	0	8	0	2	0.3	0	0.1	12	11263	3	1		1	7.16
NO0056.85	3	4	11	4	0.4	16	1	79	2.65	38399	5	2	13	17	0.2	27	4	1	0.45	0.05	15	11	0	10	0	12	0.2	0.1	0.2	5	1227	4	2		1	1.11
NO0056.86	1	3	13	16	0.1	6	2	121	0.96	3808	5	2	15	16	0.2	4	2	5	0.39	0.03	21	6	0.2	14	0	3	0.4	0.1	0.2	1	156	2	1		1	0.08
NO0056.87	3	6	52	1	5.5	33	3	22	4.24	50556	16	27	14	9	0.2	41	37	1	0.07	0.02	5	7	0	8	0	15	0.2	0.1	0.2	2	15383	5	2		1	2.47
NO0056.88	1	1	8	6	0.1	4	1	295	0.48	997	5	2	15	38	0.2	2	2	1	1.07	0.03	23	3	0	14	0	3	0.2	0.1	0.1	1	23	2	1		1	0.04
NO0056.89	4	8	150	3	4.6	67	20	13	18.9	99999	13	11	15	13	0.2	166	34	1	0.09	0.04	9	1	0	10	0	7	0.4	0	0.1	22	9485	3	1		1	8.44
NO0056.90	1	1	6	10	0.1	1	1	47	0.49	822	5	2	22	7	0.2	2	2	1	0.17	0.05	18	2	0.1	11	0	4	0.3	0.1	0.2	1	14	4	1		1	0.02
NO0056.91	2	1	10	5	0.1	5	1	26	1.53	21909	5	2	15	8	0.2	9	2	1	0.05	0.02	13	6	0	13	0	2	0.2	0.1	0.1	1	1445	5	1		1	0.08
NO0056.92	2	2	123	1	8	55	20	10	13.6	99999	5	50	13	3	0.2	133	112	1	0.01	0.02	6	1	0	8	0	5	0.2	0	0.1	10	49487	4	1		1	6.06
NO0056.93	2	3	2	2	0.1	6	1	25	0.37	1265	5	2	17	7	0.2	2	2	1	0.1	0.03	10	8	0	13	0	2	0.3	0.1	0.2	1	174	5	1		1	0.01
NO0056.94	1	12	38	1	0.8	3	9	17	11	99999	5	13	3	2	0.2	91	831	1	0.03	0.01	2	1	0	6	0	3	0.1	0	0	569	48159	7	1		1	5.18
NO0056.95	2	5	8	45	0.2	9	3	146	1.42	588	6	2	15	18	0.2	2	2	15	0.18	0.05	29	10	0.3	45	0.1	3	0.7	0.1	0.5	2	32	4	1		1	0.02
NO0056.96	1	4	9	3	1.1	3	1	28	11.3	99999	5	17	2	6	0.2	79	204	1	0.03	0.01	2	2	0	14	0	4	0	0	0	15	22681	1	1		1	7.46
NO0056.97	2	1	6	1	0.3	5	1	13	1.65	25652	5	6	14	6	0.2	17	51	1	0.01	0	4	6	0	13	0	2	0.1	0.1	0.1	82	6836	5	1		1	0.52
NO0056.98	1	2	7	3	0.1	2	1	32	0.7	3380	5	2	20	7	0.2	4	22	1	0.04	0.01	21	3	0.1	14	0	2	0.2	0.1	0.1	5	330	1	1		1	0.08
NO0056.99	5	6	3	2	1.8	9	1	13	17.2	99999	5	29	2	1	0.2	160	105	1	0.01	0	2	3	0	4	0	4	0	0	0	25	19388	3	1		1	14.3
NO0056.100	1	2	7	17	0.1	1	1	69	0.69	477	5	2	15	6	0.2	2	2	3	0.09	0.01	26	2	0.1	11	0	2	0.3	0.1	0.1	1	47	4	1		1	0.03
NO0056.101	2	3	5	46	0.1	14	2	183	1.41	2546	5	2	17	33	0.2	2	2	11	0.76	0.03	31	11	0.8	19	0.1	2	0.8	0.1	0.1	2	212	2	1		1	0.09
NO0056.102	3	46	3	2	0.6	16	7	56	0.7	71	5	10	1	10	0.2	2	2	20	0.3	0	2	15	0	12	0	2	0.1	0	0	31	20006	1	3		1	0.01
NO0056.103	1	10	5	20	9.1	18	6	230	1.15	1802	5	118	2	75	0.2	2	2	15	1.55	0.05	14	16	0.5	23	0	2	0.6	0	0.1	1	99999	3	2		2	0.01
NO0056.104	4	4	14	6	0.2	13	11	40	3.11	35279	9	ND	16	10	0.3	28	5	1	0.1	0.02	8	10	0	17	0	2	0.2	0.1	0.2	1	503	1	1		1	1.15

ICP - 500 gram sample is digested with 3ml 3-1-2 HCl-HNO3-H2O at 95 deg. C for one hour and is diluted to 10 ml with water

This leach is partial for Mn Fe Sr Ca P La Cr Mg Ba Ti B W and limited for Na and Al. Au detection limit by ICP is 3 ppm. Assay recommended for rock and core samples if Cu Pb Zn As > 1%, Ag >30 ppm & Au >1000 ppb.

Sample type: Crushed rock. Au** Pt** Pd** Rh** by fire assay & analysis by ICP/graphite furnace (30g). S by LECO.

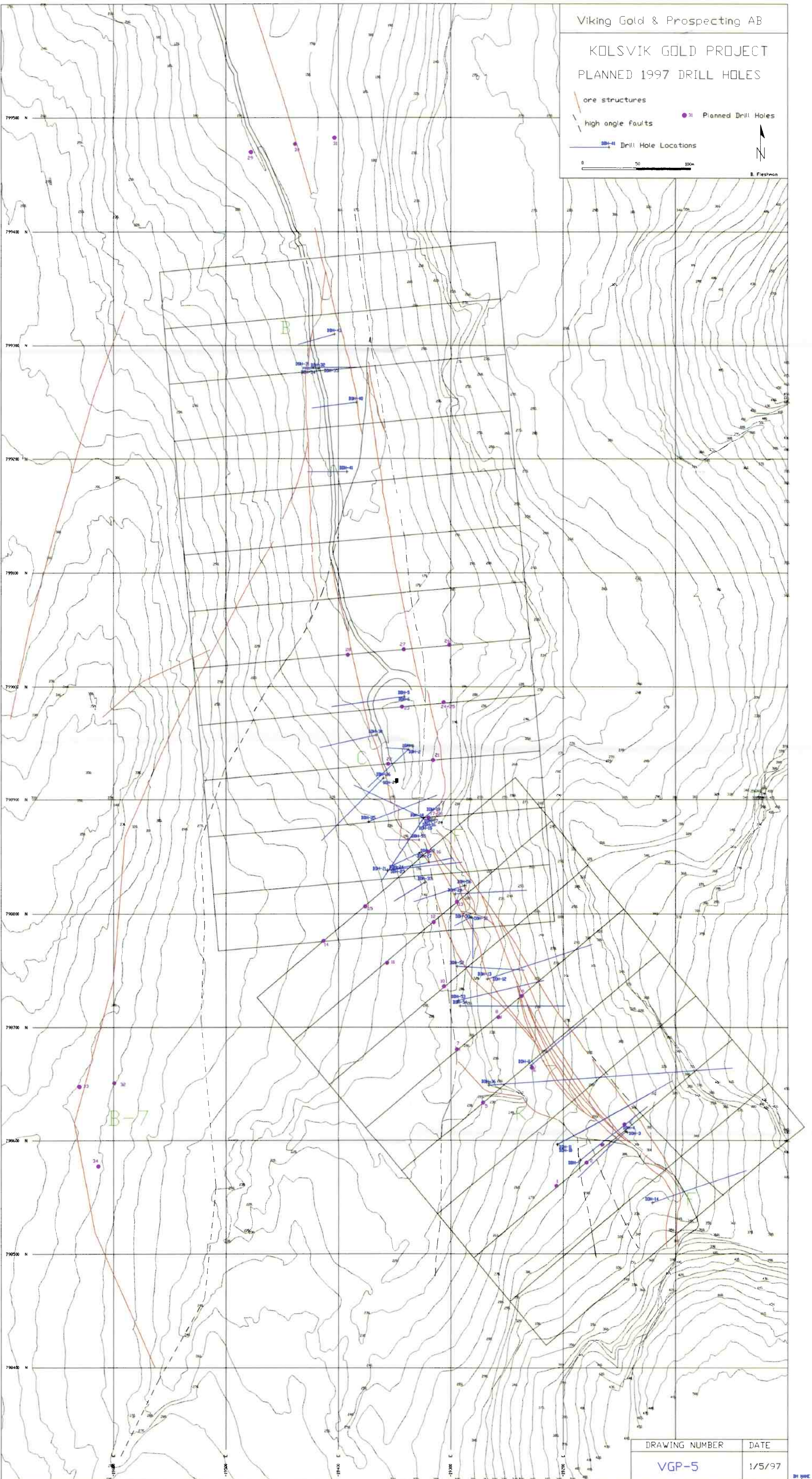




B. Fleishman



KOLSVIK GOLD PROJECT
 PLANNED 1997 DRILL HOLES

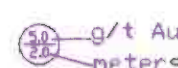


DRAWING NUMBER	DATE
VGP-5	1/5/97

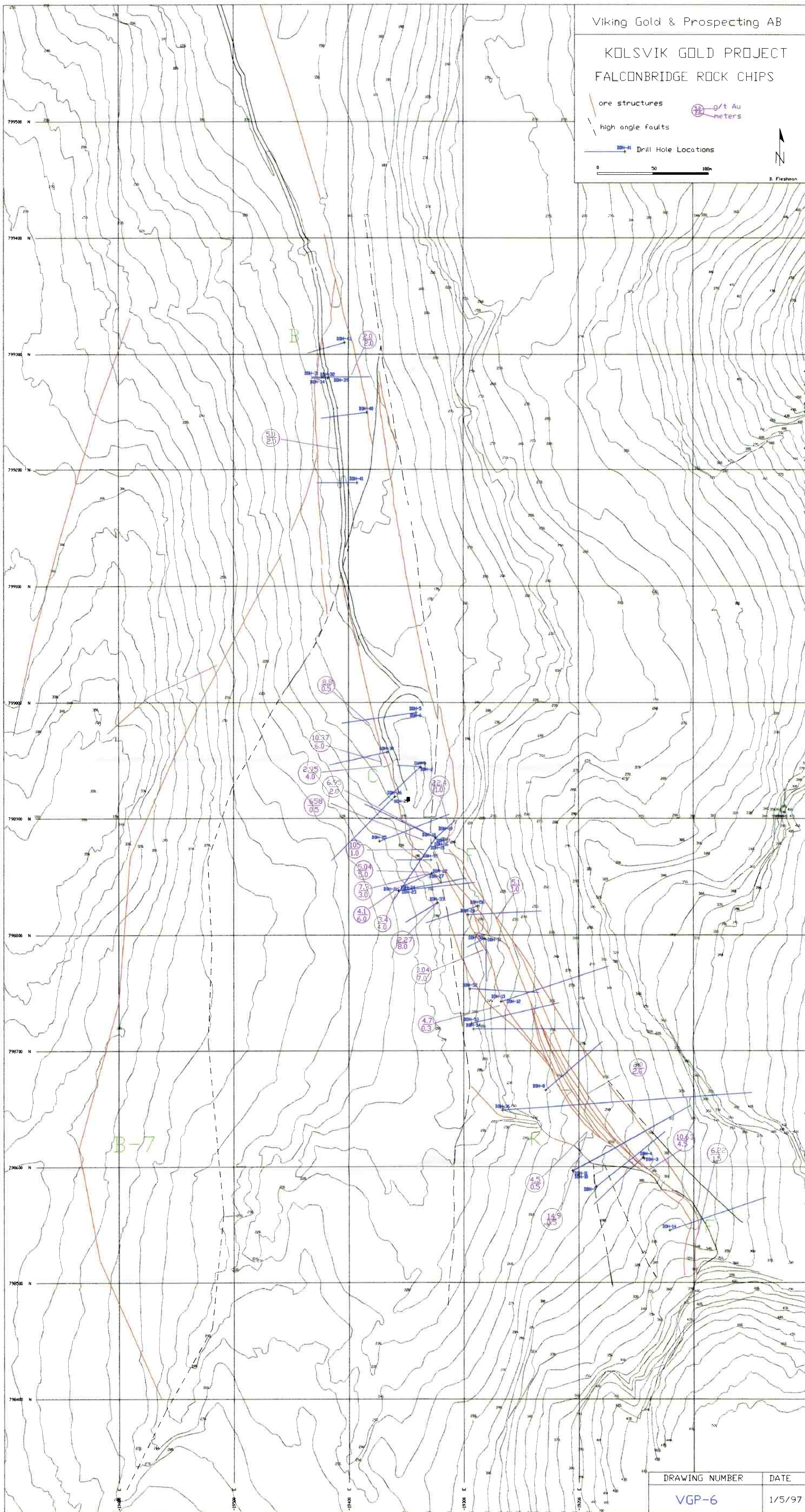
KOLSVIK GOLD PROJECT
FALCONBRIDGE ROCK CHIPS

high angle faults

Drill Hole Locations



B. Flesh on



DRAWING NUMBER

DATE _____

VGP-6

1/5/97

KOLSVIK PROJECT

Bindal, Norway

GEOLOGY MAP

50 100m



Geology: P. Ihlen (NGU) Personal Communication 1996

Viking Gold & Prospecting AB

B-7 TARGET

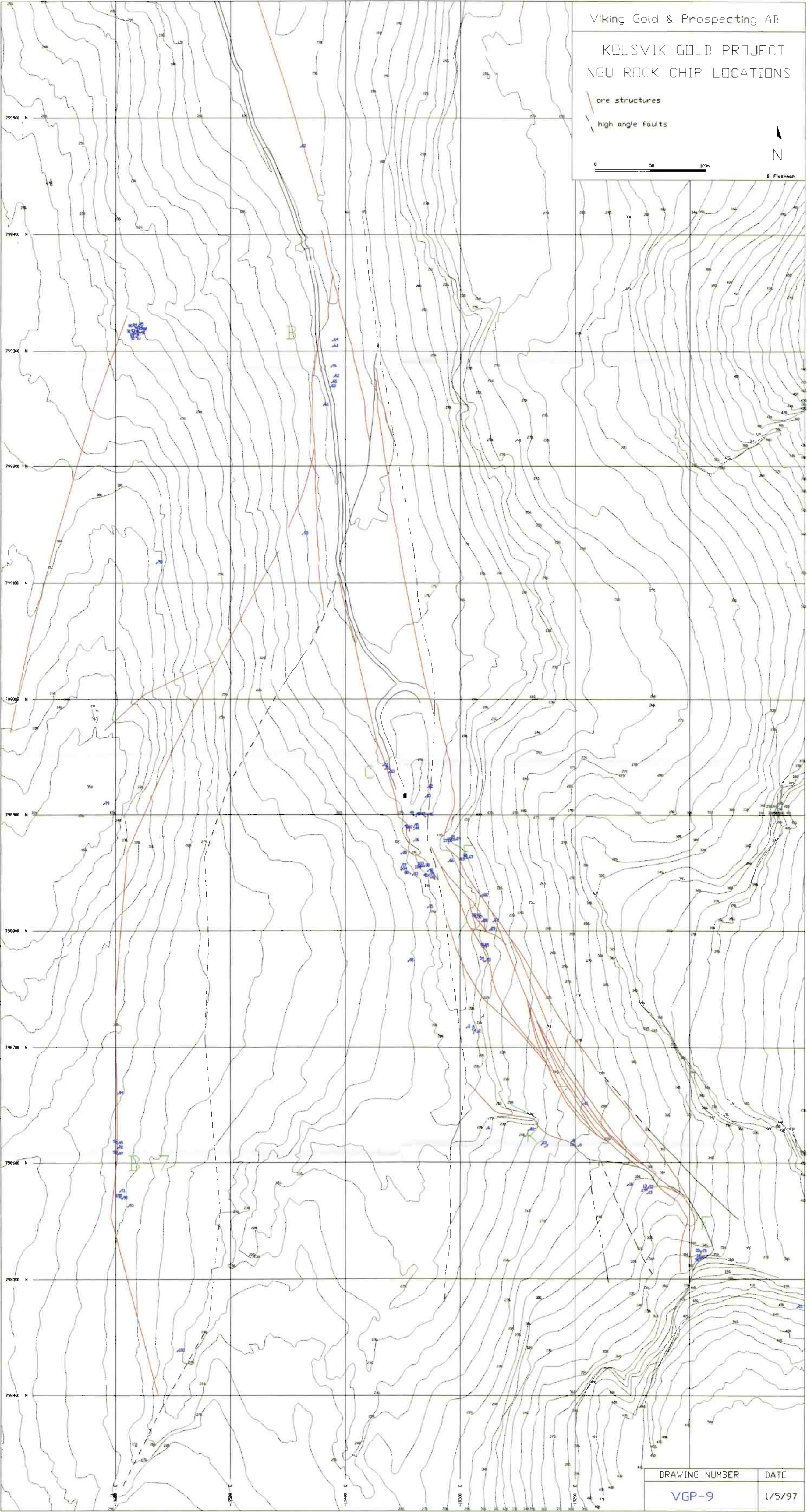
KOLSVIK GOLD PROJECT
NGU ROCK CHIP LOCATIONS

ore structures
high angle faults

0 50 100m



S. Flusman



ore structures

high angle faults

0 50 100m

B. Flesham

