ARIS SUMMARY SHEET

District Geologist, Smithers Off Confidential: 92.03.27

ASSESSMENT REPORT 21173 MINING DIVISION: Skeena

PROPERTY: Kitgold
LOCATION: LAT 55 37 00 LONG 129 33 00
UTM 09 6163339 465357
NTS 103P12E

CAMP: 049 Alice Arm - Anyox Area

CLAIM(S): Kitgold 1-4
OPERATOR(S): Santa Marina Gold
AUTHOR(S): Dewonck, B.
REPORT YEAR: 1991, 54 Pages
COMMODITIES
SEARCHED FOR: Gold,Silver,Copper,Lead,Zinc
KEYWORDS: Jurassic,Sediments,Volcanics,Anticline,Faults,Quartz veins,Gold
Galena,Sphalerite
WORK
DONE: Geological,Geochemical
GEOL 1000.0 ha
Map(s) - 1; Scale(s) - 1:20 000
ROCK 85 sample(s) ;ME
Map(s) - 1; Scale(s) - 1:20 000
SILT 13 sample(s) ;ME
MINFILE: 103P

GEOLOGICAL AND GEOCHEMICAL ASSESSMENT REPORT ON SANTA MARINA GOLD LTD.'S KITGOLD PROJECT

SKEENA MINING DIVISION
KITSAULT RIVER AREA, NW BRITISH COLUMBIA

LATITUDE 55°37'N
LONGITUDE 129°33'W

NTS 103P/12

Bernard Dewonck, F.G.A.C.

March 25, 1991

OREQUEST

OREQUEST CONSULTANTS LTD. 306-595 Howe Street, Vancouver, B.C., Canada, V6C 2T5 Telephone: (604) 688-6788 Fax: (604) 688-9727

SUMMARY

An exploration program by OreQuest Consultants Ltd. was completed between September 11th and September 20th on the KITGOLD mineral claims on behalf of Santa Marina Gold Ltd. of Vancouver. The property consists of 4 contiguous claims comprising 80 units. It lies on the west side of the Kitsault River valley, between Lyall and Klayduc Creeks, 50 km southeast of Stewart, B.C.

Work entailed regional mapping, prospecting and silt sampling, during which a total of 85 grab rock samples and 13 silt samples were gathered.

The lithologies on the property include mudstones, siltstones, sandstone, calcareous sediments, intermediate tuffs, volcaniclastics and mafic flows. These rocks form a conformable, anticlinally folded sequence, of Middle to Lower Jurassic age.

Similar rocks host the Dolly Varden, Northstar, Torbrit and Homestake base metal deposits 10 km to the north. These deposits have been mined periodically since 1915 and have produced a total of 1.3 million tons of ore grading 485 g/t silver, 0.38% lead and 0.02% zinc.

Sulphide mineralization on the property is associated with a system of quartz veins, up to 2.0 m in width, forming a zone over 1 km long and 30 m wide, striking northwest-southeast and dipping to the east. Samples within this zone assayed only up to 25 ppb gold, however there are similar, smaller quartz veins yielding values as

high as 0.252 oz/ton gold up 500 m east of this zone. Grab samples of silicified intermediate volcanics on the east side of the zone also produced anomalous results up to 0.134 oz/ton gold.

Further work in the form of grid-controlled detailed mapping, rock and soil sampling and, if warranted, ground geophysical surveys is recommended in the general area of the anomalous samples. In addition to this work, property-wide prospecting and sampling should continue, particularly in the western part of the property where lithologies similar to those hosting the anomalous samples occur. Successful definition of targets in the area of initial prospecting discoveries would warrant a follow-up diamond drilling program.

TABLE OF CONTENTS

LIST OF FIGURES

LIST OF TABLES

LIST OF APPENDICES

INTRODUCTION

This report, prepared by OreQuest Consultants Ltd. on behalf of Santa Marina Gold Ltd., is based on the results of regional mapping, prospecting, rock and silt sampling conducted by OreQuest during September of 1990 on the Kitgold mineral claims. Recommendations for further work are also included in this report.

PROPERTY DESCRIPTION

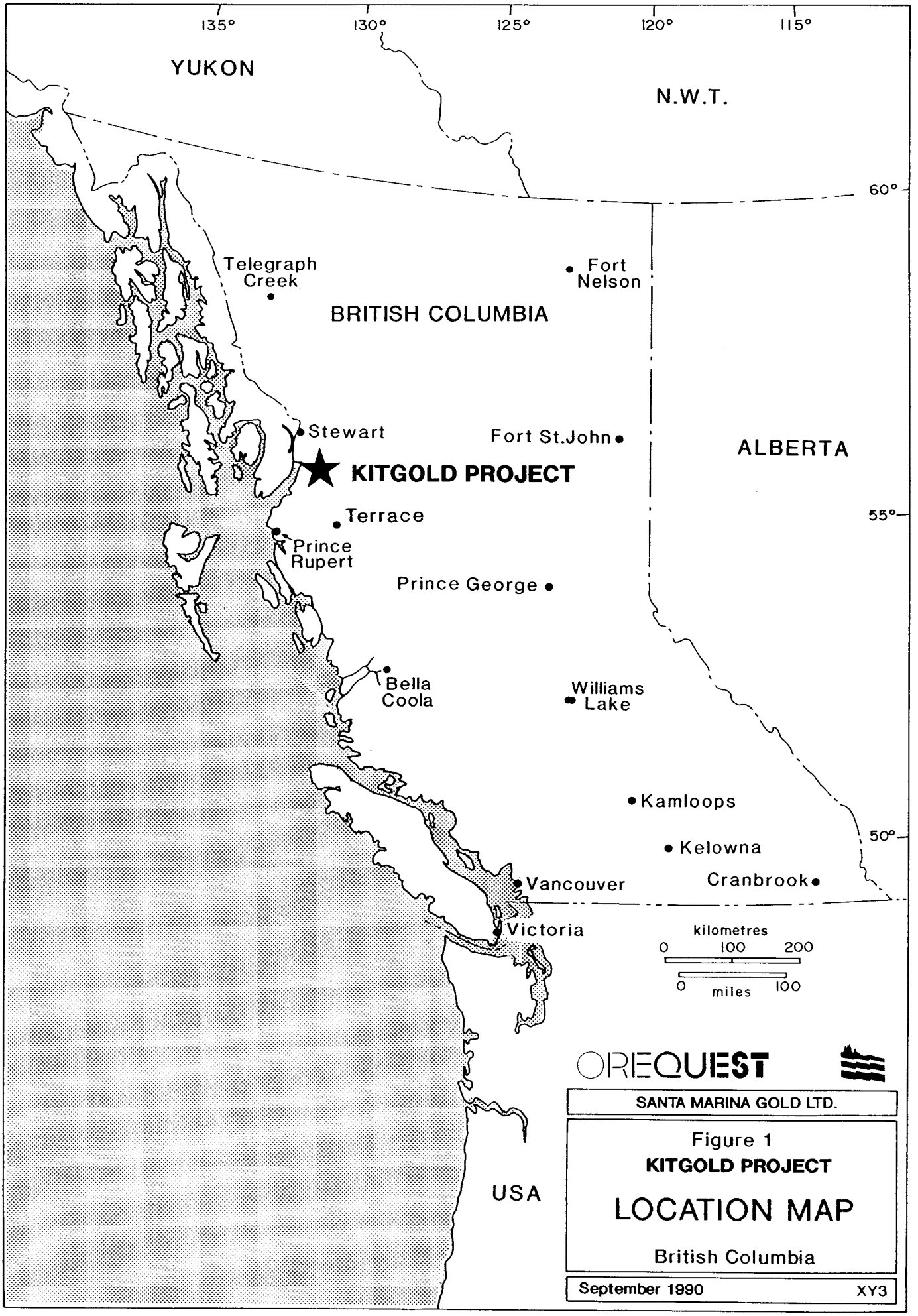
Location and Access

The property is located within the Boundary Mountain Range, 25 km east of the Alaska-B.C. International Boundary, on the western slope of the Kitsault River valley. The claims also lie 50 km southeast of Stewart and 20 km north of Kitsault and Alice Arm at the head of the Alice Arm Inlet (Figure 1). The centre of the claim is located at a latitude of 55°37'N and a longitude of 129°33'W and the NTS map reference is 103P/12.

Access to the property is via helicopter based at Stewart, from which flight time is approximately 30 minutes.

Claim Status

The Kitgold claim consists of 4 contiguous claims comprising 80 units (Figure 2), situated in the Skeena Mining Division and under option to Santa Marina Gold Ltd. They are listed in Table 1 as follows:


135°
130°
125°
120°
115°
YUKON
N.W.T.
60°
Telegraph Creek
Fort Nelson
BRITISH COLUMBIA
Stewart
Fort St.John
ALBERTA
KITGOLD PROJECT
Terrace
55°
Prince Rupert
Prince George
Bella Coola
Williams Lake
Kamloops
50°
Kelowna
Vancouver
Cranbrook
Victoria
kilometres
0 100 200
0 miles 100
USA
OREQUEST
SANTA MARINA GOLD LTD.
Figure 1
KITGOLD PROJECT
LOCATION MAP
British Columbia
September 1990
XY3

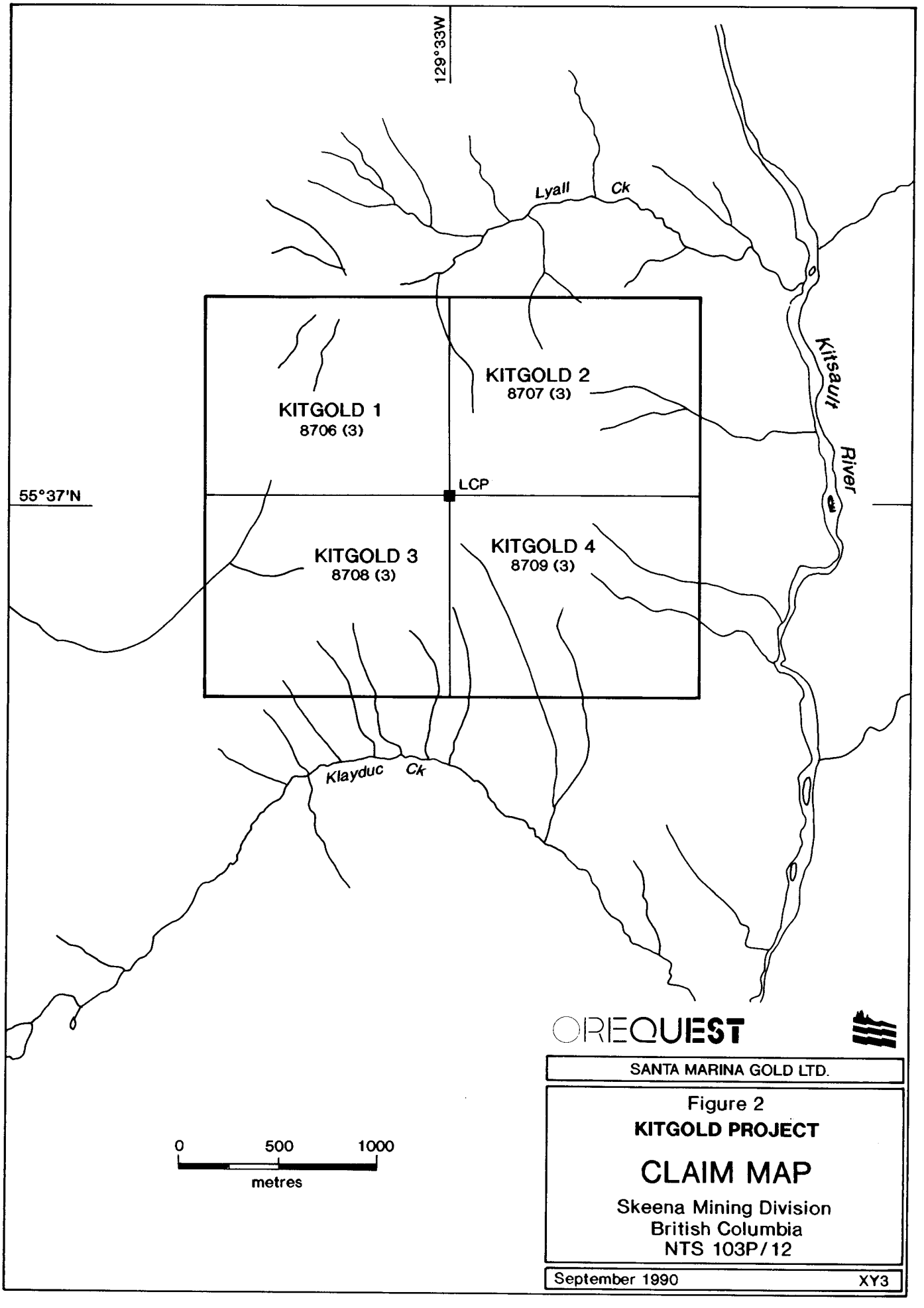


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Figure 2

KITGOLD PROJECT

CLAIM MAP

Skeena Mining Division
British Columbia
NTS 103P/12

September 1990 XY3

TABLE 1: Claim Information

Claim Name	Record No.	No. of Units	Record Date	Expiry Date
Kitgold 1	8706	20	March 30/90	March 30/91
Kitgold 2	8707	20	March 30/90	March 30/91
Kitgold 3	8708	20	March 30/90	March 30/91
Kitgold 4	8709	20	March 30/90	March 30/91

The claims are owned by John Robins. The work described in this report, when filed for assessment, would extend the expiry date beyond 1991.

Physiography and Vegetation

The property overlies typically glaciated, mountainous terrain of northwestern British Columbia. Elevations range from 425 m (1400 ft) on the east side of the property near the Kitsault River, to 1690 m (5500 ft) on the ridge at the west edge of the claims.

Below 1000 m sub-alpine vegetation in the form of spruce, fir, hemlock, slide alder and devil's club are present. Above 1000 m alpine flora exists. The highest elevations are glaciated and support only mosses and lichens.

HISTORY AND PREVIOUS WORK

Exploration started in the upper Kitsault valley in the early 1900's and by 1913 the Dolly Varden property was already staked, along with numerous other claims in the area. Exploration of the Dolly Varden property, located 10 km north of the Kitgold claims, delineated a considerable tonnage of ore and a railway was constructed from Alice

Arm to the deposit. The Dolly Varden deposit was in production from 1919 to 1921. At the same time, several other prospects were explored but interest in the area dropped in 1921 when the price of silver declined. However, a mill to concentrate the ore was built in 1928 on the Torbrit property.

The area remained relatively calm from 1930 to 1946. In 1946, a company controlled by Mining Corporation of Canada acquired the Torbrit mine and started to build the road from Alice Arm up the valley. A new mill was constructed and production started in 1949. Two other prospects, the Galena and the Vanguard, located less than 5 km northeast of the subject claims, were explored in 1951.

The total amount of concentrates produced to the end of 1951 by the Dolly Varden, the Homestake, the North Star, and the Torbrit deposits was: 84 ounces of gold; 7,189,130 ounces of silver; 2,183,965 pounds of lead; 344,832 pounds of zinc; and 1,740 pounds of copper (Black, 1951).

At the present time, the Dolly Varden property includes the Dolly Varden Mine, the Torbrit Mine, the Wolf Mine, the North Star Mine, as well as the Red Point Prospect.

Until recently silver has been the focus of mining in the area, however, results from the 1989 diamond drilling program at the Dolly Varden suggest that mining in the past has been concentrated within

the silver rich zone of a volcanic exhalative formation. The emphasis of current exploration has expanded to include the search for massive sulphide deposits rich in zinc, lead, and silver with appreciable gold, copper and cadmium.

In 1985 the regional geology and mineral deposits of the general area were mapped by Alldrick and others (Alldrick et al, 1986). There is no recorded history of exploration on the Kitgold property specifically.

REGIONAL GEOLOGY AND MINERALIZATION

The northwestern portion of British Columbia has undergone regional mapping by the Geological Survey of Canada over an extended period of time (Kerr, 1930, 1948; Hanson, 1935; GSC 1956, 1979; Anderson, 1984, 1989; Anderson and Thorkelson, 1990). On a more detailed basis, the geological framework from which current mapping is evolving was established by the British Columbia Ministry of Energy Mines and Petroleum Resources (Grove, 1986). Grove defined the Stewart Complex as an assemblage of volcanic and related sedimentary rocks, ranging in age from Upper Triassic to Upper Jurassic, bounded by the Coast Plutonic Complex to the west, the sedimentary Bowser Basin to the east, Alice Arm to the south and the Iskut River to the north. Included in the Complex were the Upper Triassic Takla Group, Lower Jurassic Unuk River and Betty Creek, Middle Jurassic Salmon River Formation and Upper Jurassic Nass Formation of the Hazelton Group.

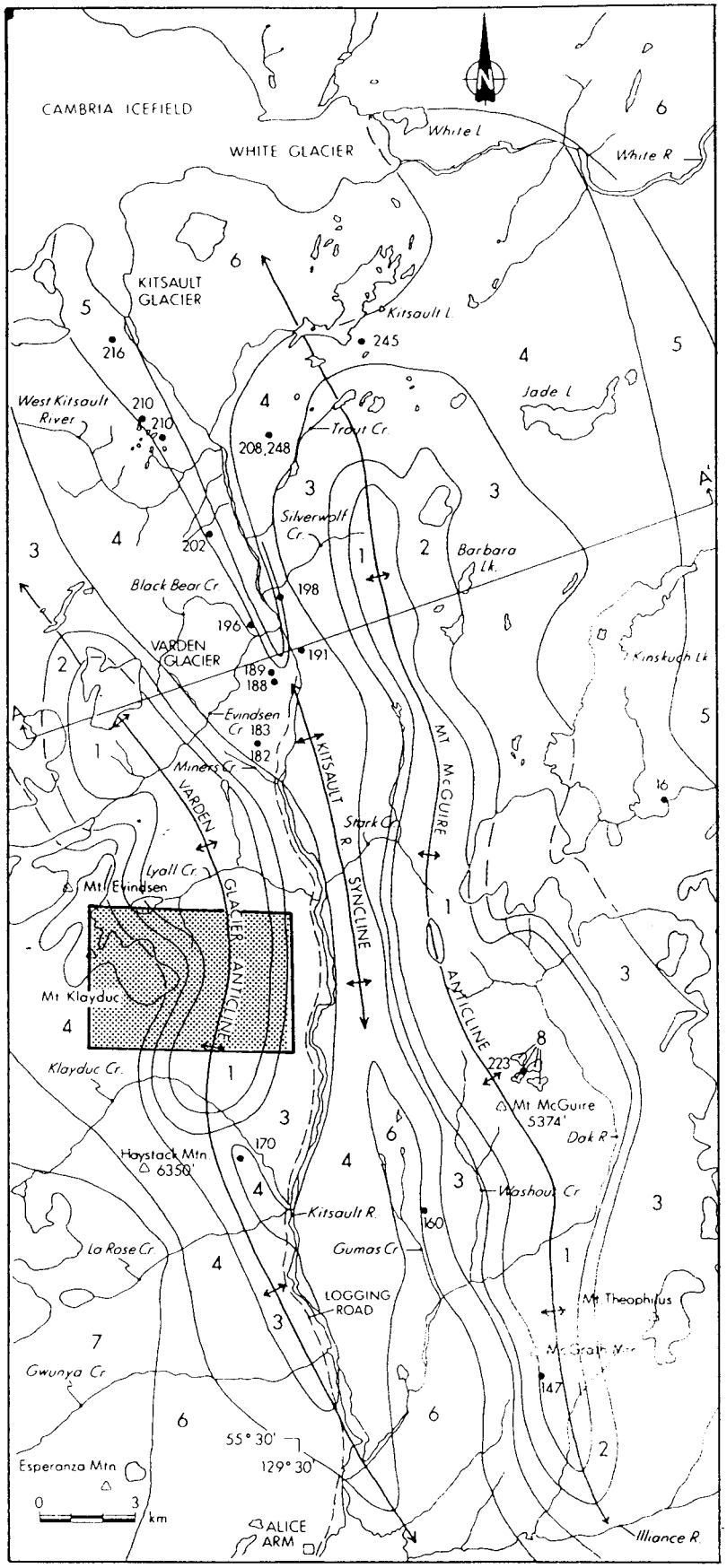
In 1985 the BCMEMPR initiated an on-going regional mapping program by D. J. Alldrick and several co-workers, with the first work conducted in the Kitsault area (Alldrick et al, 1986). Mapping has extended more than 200 kilometres northwest, resulting in constantly evolving formation and age definition of rock units. In the Sulphurets Creek and Unuk River areas the Upper Triassic is referred to as the Stuhini Group, the Hazelton Group includes Unuk River, Betty Creek and the newly defined Mt. Dilworth Formations of Lower Jurassic Age and - on the open file maps for these areas (1988-4 and 1989-10 respectively)- the Middle Jurassic Salmon River Formation. On a more regional scale Alldrick (1989) has limited the Hazelton Group to the Unuk, Betty Creek and Mt. Dilworth Formations and suggested a correlation of the Salmon River Formation to rocks of the Spatzizi Group. The Ashman Formation, also Middle Jurassic, overlies the Salmon River and is part of the Bowser Group. Grove's Upper Jurassic Nass Formation no longer appears in the stratigraphic column.

In order of increasing age, lithologies of the Stewart Complex are described as follows:

1. Spatzizi Group (Middle Jurassic)

   a) Salmon River Formation - thinly bedded alternating siltstones, mudstones and greywacke, and minor andesite pillow lavas and pillow breccias.

2. Hazelton Group (Lower to Middle Jurassic)
   a) Mt. Dilworth Formation - intermediate to felsic pyroclastic rocks, including dust, ash, crystal and lithic tuffs, lapilli tuffs.



MINERAL PROPERTIES	COMMODITIES	MINFILE NUMBERS
KIT	Ag, Pb	103P-245
GALENA (ACE, TYEE)	Ag, Pb	103P-208, 248
WOLF	Ag, Pb, Zn	103P-198
TORBRIT	Ag, Pb, Zn	103P-191
NORTHSTAR	Ag, Pb, Zn	103P-189
DOLLY VARDEN	Ag, Pb, Zn	103P-188
LA ROSE	Ag, Pb	103P-170
HOMESTAKE	Au, Cu	103P-216

LEGEND

INTRUSIVE ROCKS

TERTIARY

9 MINOR DYKES: MICRODIORITE (a); GRANODIORITE (b); LAMPROPHYRE (c)

8 AJAX INTRUSIONS: QUARTZ FELDSPAR PORPHYRITIC QUARTZ MONZONITE (a); BIOTITE QUARTZ MONZONITE (b); 55.1 Ma (K/Ar)

7 COAST PLUTONIC COMPLEX: QUARTZ MONZONITE (a); GRANODIORITE (b); 43-51 Ma (K/Ar)

INTRUSIVE CONTACT

VOLCANIC AND SEDIMENTARY ROCKS

MIDDLE TO UPPER JURASSIC

6 BASAL FOSSILIFEROUS WACKE (a); BLACK SILTSTONE AND WACKE (b); MINOR INTRAFORMATIONAL CONGLOMERATES AND LIMESTONE (c)

LOWER JURASSIC

5 GREEN AND MAROON VOLCANIC BRECCIA (a); EPICLASTIC CONGLOMERATE AND SEDIMENTS (b); LOCAL DACITIC FLOWS AND PYROCLASTICS (c)

4 FELDSPAR-HORNBLENDE PORPHYRITIC ANDESITIC PYROCLASTICS (a) AND FLOWS/SILLS (b); MINOR INTERBEDS OF LIMESTONE, SILTSTONE, SANDSTONE, CHERT, AND BARITE (c)

3 BASAL POLYMICTIC CONGLOMERATE, MINOR INTERBEDDED LIMESTONE, SILTSTONE, GRIT, SANDSTONE (a); SILTSTONE, ARGILLITE (b); VOLCANIC BRECCIA, MINOR INTERBEDDED SILTSTONE, SANDSTONE (c); INTERBEDDED SILTSTONE, SANDSTONE, AND PEBBLE CONGLOMERATE (MARKER HORIZON) (d)

2 AUGITE (OLIVINE) PORPHYRITIC BASALT FLOWS, PILLOWED FLOWS (a); AUGITE-FELDSPAR PORPHYRITIC BASALT PYROCLASTICS AND VOLCANIC BRECCIAS (b); EPICLASTIC CONGLOMERATE, MINOR INTERBEDDED SILTSTONE, ARGILLITE, AND LIMESTONE (c)

1 SILTSTONE, ARGILLITE, WACKE (a); RARE LIMESTONE (b);

(after Dawson & Alldrick, 1986)

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Figure 3

KITGOLD PROJECT

REGIONAL GEOLOGY

British Columbia
NTS 103P/12

September 1990

b) Betty Creek Formation - grey, green, locally maroon massive to bedded pyroclastic and sedimentary rocks, pillow lava.

c) Unuk River Formation - green and grey intermediate to mafic volcaniclastics and flows with local beds of fine grained immature sediments.

3. Stuhini Group (Upper Triassic)

Mixed sedimentary rocks interbedded with mafic to intermediate volcanic and volcaniclastic rocks.

The regional geology depicted in this report (Figure 3) is reproduced from Dawson and Alldrick's summary in Geological Fieldwork 1985 (Dawson and Alldrick, 1986). A more detailed geological map can be found as Open File 1986-2 (Alldrick et al, 1986). It should be noted that no formation designations appear on these maps since the nomenclature described above was published in later years.

The Bowser Lake Group, a large sedimentary basin, in part overlies the Stewart Complex to the east. Previous workers (Hansen, 1935 and Grove, 1971) have interpreted the Bowser Lake Group as a large successor sedimentary basin, consisting of marine and non-marine sediments with only minor volcanics, that extends over an area 160 km wide by 320 km long. The Bowser Lake Group has been unaffected by regional metamorphism, although numerous dykes and small plutons have caused minor metasomatism. Historically the Bowser Lake Group has proven uneconomic, with no significant discoveries associated with it.

The youngest rocks in the region are the Tertiary plutons of the Coast Plutonic Complex which forms the western contact of the Stewart

Complex. Compositionally these plutons range from quartz monzonite and quartz diorite through to granodiorite and granite. They exhibit a typical massive crowsfoot texture and usually are medium to coarse grained and porphyritic. Mafic minerals present are almost always hornblende $\pm$ biotite.

Within the older volcanics regional structural features include a series of parallel anticlines and synclines with the fold axis striking north-south to northwest-southeast. Faults, photolineaments, small and large scale shears and fracturing are common throughout the area.

A number of epithermal and mesothermal precious metal deposits, massive sulphides, skarns and hydrothermal systems, as well as copper-gold porphyries have been found in northwestern British Columbia. The majority of these deposits are hosted by rocks of the Stewart Complex and often show a spatial relationship with Early Jurassic intrusions.

The principal deposits in the Stewart area are hosted by an assemblage of volcanics of Lower Jurassic age, forming a northwest trending belt. Three types of deposits have been found within this belt:

1) - Alkalic Copper-Gold Porphyry: High tonnage copper deposits containing significant amounts of gold. (eg. Galore Creek and Copper Canyon deposits).

2) - Gold-Silver Vein and Stockwork Deposits: High grade veins are found in the Lower Jurassic Hazelton volcanics (e.g. Silbak-Premier Mine). This type of deposit has been the most productive in the area.

3) - Gold-Silver-Lead-Zinc Volcanic Exhalative Deposits: This type of deposit is found at Eskay Creek, within the upper sections of the Lower Jurassic volcanic-arc assemblage. The Dolly Varden Property, located 10 km north of the subject property, is believed to have potential for a similar type deposit as a result of interpretation of recent field mapping and diamond drilling.

The other types of mineralization are:

1) Silver-rich quartz-barite veins
2) Disseminated copper-gold mineralization

The silver-rich mineralization consists of mesothermal to epithermal veins deposited during folding within fractures and faults parallel to the axial plane of the fold. Historically exploration and development at Dolly Varden has been on this type of mineralization. Disseminated copper-gold mineralization includes the Homestake,

Vanguard, Red Point and Red Bluff properties. The mineralization is localized along the upper contact of a feldspar and/or hornblende porphyritic flow or subvolcanic sill. Both types of mineralization occur within andesitic pyroclastics of Middle to Lower Jurassic lithologies.

PROPERTY GEOLOGY AND GEOCHEMISTRY

The Kitgold claims are underlain by volcanic-sedimentary rocks that are Lower to Middle Jurassic in age and form an anticline trending northwest-southeasterly (Figure 4).

The eastern side of the property comprises fine to medium grained interbedded andesitic tuffs, breccias, conglomerates and volcaniclastics, with intercalated mafic volcanics, sandstone and siltstone (Unit #4). They are the youngest of the volcanic and sedimentary rocks on the property, and form the eastern limb of the anticline. The andesite tuffs consist of intermediate lapilli through blocky brecciated tuffs and are intercalated with maroon mafic porphyritic and/or amygdaloidal flows. These comprise the bulk of the exposure in this area of the property. Contacts between the rock types strike north to north by northwest and dip 45^{o}-65^{o} to the east. This unit then forms a syncline with a fold axis parallel to that of the anticline. It is along this axis that the andesitic tuffs of Unit 4 are best exposed. Observed contacts strike parallel to the eastern limb of the anticline but dip more steeply (60^{o} to 70^{o}) to the west. To the west a gradation to fine laminated mudstone, siltstones

and sandstones occurs, forming a sedimentary unit approximately 300 m thick (Unit #3).

The oldest rocks on the property , which lie at the core of the anticline, consist of pillowed basaltic flows, conglomerates and pillow breccia (Unit #2) with small lenses of interbedded siltstones and limestone. These rocks form a northwest-southeasterly striking band 0.5 km to 1.5 km wide through the centre of the property.

Rocks west of the fold axis forming the western limb of the anticline are similar in composition and thickness to those already described on the eastern limb.

Faults and shears within the claim are predominantly oriented north-south to northeast - southwest.

The stratigraphy has also been intruded by a series of fine to medium grained sub-volcanic dykes, of intermediate composition, up to 10 m wide. They usually trend northwest - southeast (parallel to sub-parallel with the fold axis and stratigraphy). Chill margins, alteration and/or brecciation of the country rock are not evident at the dyke contact.

Quartz veins, evident throughout the property, are concentrated along a north-south trending linear zone, 10 to 30 metres wide and 1000 metres long. Veins within the zone may be up to 2 metres thick

and several hundred metres in length. These large veins also give rise to ubiquitous veinlets and stringers between individual veins. Cross cutting relationships indicate at least three phases of emplacement, resulting in a high degree of brecciation and silicification associated with a well developed, elaborate stockwork. Sericitic and limonitic alteration exists but is localized and weakly developed. The veining occurs within a massive intermediate volcanic flow.

Sulphide mineralization occurs mostly as pyrite up to 20% in veins and associated wall rock contacts. Rare arsenopyrite and/or chalcopyrite is occasionally associated with pyrite. In the centre of the property, an old trench had been dug within an interbedded tuff-volcaniclastic siltstone. A localized brecciated quartz vein system parallel to local bedding ($022^{o}/60^{o}E$) was observed in the trench which contained up to 25% red brown (iron rich) sphalerite.

A total of 85 grab rock samples and 13 silt samples were collected from the property. The samples were sent to TSL Laboratories in Saskatoon, Saskatchewan and were analyzed for gold by atomic absorption (with follow up fire assay if >1000 ppb). Inductively coupled plasma (ICP) spectrophotometry was also done on all samples for 35 elements.

Rock sampling produced several anomalous gold results within Unit #4 on the east side of the property where mafic flows are

intercalated with the more predominant intermediate volcanics. Sampling was concentrated within veins and gossanous areas, mostly within the intermediate volcanics but proximal to contacts with the mafic flows.

The following list describes the five samples which assayed over 0.1 oz/ton gold. Refer to Figure 5 for locations of these and all other samples and their gold results.

SAMPLE #37603 (0.230 oz/ton Au) Unit #4
- 3 cm wide quartz vein within an intermediate volcanic tuff
- Silicified wall rock proximal to vein
- Vein strikes @ 322^{o} and dips 50^{o}NE
- No sulphides were visible

SAMPLE #37608 (0.101 oz/ton Au) Unit #4
- 5cm wide quartz vein within an intermediate volcanic tuff
- Silicified wall rock contains $\leq$7% cubic pyrite
- Vein strikes @ 292^{o} and dips 50^{o} NE
- Moderate oxidation observed

SAMPLE #37610 (0.252 oz/ton Au) Unit #4
- 20 cm wide quartz vein within an intermediate blocky tuff
- Vein is moderately brecciated and oxidized
- Vein strikes @ 300^{o} and dips 55^{o} NE

SAMPLE #37614 (0.134 oz/ton Au) Unit #4
- Massive, moderately oxidized intermediate volcanic
- Contains $\leq$2% disseminated fine grained pyrite

SAMPLE #37620 (0.134 oz/ton Au) Unit #3
- Massive, silicified intermediate volcanic
- Numerous quartz stringers (<0.5 cm wide) at random orientations
- $\leq$3% pyrite within the stringers and wall rock.

This initial survey indicates that gold occurs both in 1) narrow quartz veins and small random stringers; and 2) massive silicified intermediate volcanics, with no veins or stringers and little pyrite.

Sample #37620 was taken from an intermediate volcanic within Unit #3, however the large vein stockwork system mentioned previously, which is also located in Unit #3, failed to reveal any significant gold values.

The ICP analyses produced scattered anomalies for various metals. These values as well as gold values are tabulated below as indicated:

Sample #	Au oz/ton (ppb)	Ag(ppm) ≥10	Cu(ppm) ≥100	Pb(ppm) ≥100	Zn(ppm) ≥500	As(ppm) >100
37503	.040					130
37508	.051					
37513						300
37522	(260 ppb)	69	530	(2.6%)	8500	770
37523	(620 ppb)	170	240	2700	740	2100
37524				870		130
37530						180
37541					790	
37603	0.225					
37605	(450 ppb)					100
37608	0.101					95
37610	0.250					
37611	(730 ppb)					220
37614	0.133					250
37620	0.131					170
37631			160			
37635	0.039		230		12%	
37636			130		8900	
37637					588	

All rock sample descriptions appear in Appendix I followed by assay certificates in Appendix II and analytical procedures in Appendix III.

The highest gold values in silt samples were received from samples KG207 and KG208 (20 and 110 ppb respectively), collected in the southeast portion of the property, and sample KG214 (35 ppb), collected just north of the property. These samples are all from drainages influenced in part by the area in which anomalous rock samples were collected.

CONCLUSIONS AND RECOMMENDATIONS

The Kitgold property overlies volcanic - sedimentary rocks of Lower to Middle Jurassic age, which have been subsequently anticlinally and synclinally folded. The stratigraphy and anticline strike roughly north-south, with the core of the anticline trending through the middle of the property. Sampling and prospecting has produced several anomalous rock samples, collected primarily from intermediate volcanics of Unit #4 with one located within Unit #3, on the east side of the property. Five samples assayed over 0.1 oz/ton gold, four of which are associated with quartz veins or stringers. One sample shows no vein association.

Prospecting also located an old trench within Unit #3 containing up to 25% sphalerite in a brecciated stockwork zone. Topography made it impossible to trace out the sphalerite showing to any extent.

Further work, especially in the area of the anomalous samples is necessary to gain a better understanding of the nature and extent of the anomalous rock samples. Grid controlled mapping, rock and soil sampling in the general area of these samples is recommended, followed by trenching and channel sampling of prospective lithologies, veins and/or structures. More extensive prospecting and sampling property-wide is also recommended, particularly in the western portion of the property where rocks of the same units as those hosting the anomalous samples occur. Successful definition of targets in the area of the initial prospecting discoveries would warrant a follow-up diamond drilling program.

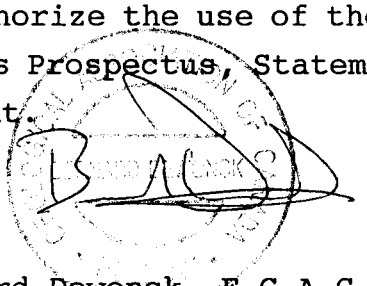
STATEMENT OF EXPENDITURES

Mobilization/Demobilization (pro-rated from Kitsault Project)	$ 650.37
Wages:	
P. Brucciani (geologist) 3 2/3 days @ $330/day	1,210.00
B. LaPeare (") 4 1/2 days @ $340/day	1,530.00
Engineering and Supervision (pro-rated from Kitsault Project)	1,876.67
Support Costs (camp costs, expediting, etc.- pro-rated from Kitsault Project)	1,928.87
Transportation and Commumication (pro-rated from Kitsault Project)	458.47
Helicopter	4,068.82
Analyses	2,119.20
Report Costs	2,446.14
Total Expenditures	$16,063.54

CERTIFICATE OF QUALIFICATIONS

I, Bernard Dewonck, of 11931 Dunford Road, Richmond, British Columbia hereby certify:

1. I am a graduate of the University of British Columbia (1974) and hold a BSc. degree in geology.
2. I am an independent consulting geologist retained by OreQuest Consultants Ltd. of #306-595 Howe Street, Vancouver, British Columbia.
3. I have been employed in my profession by various mining companies since graduation.
4. I am a Fellow of the Geological Association of Canada.
5. I am a member of the Canadian Institute of Mining and Metallurgy.
6. The information contained in this report was obtained by supervision of the work done on the Kitgold property and a review of the materials listed in the bibliography.
7. Neither OreQuest Consultants Ltd. nor myself have or expect to receive direct or indirect interest in the property or in the securities of Santa Marina Gold Ltd.
8. I consent to and authorize the use of the attached report and my name in the Company's Prospectus, Statement of Material Facts or other public document.



Bernard Dewonck, F.G.A.C.
Consulting Geologist

DATED at Vancouver, British Columbia, this 25th day of March, 1991.

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APPENDIX I

ROCK SAMPLE DESCRIPTIONS

APPENDIX I

ROCK SAMPLE DESCRIPTIONS

SAMPLE NO.	DESCRIPTION	ANALYSIS (ppb Au)
37501	- Mafic Volcanic - Vuggy qtz vein, minor hematite alteration - 2-3% pyrite.	10
37502	- Intermediate volcanic - Proximal to qtz vein - 3% Subhedral pyrite	5
37503	- Volcanic Breccia - Quartz vein, 10% coarse grained calcite, chlorite + sericite + limonite + - <1% pyrite	0.040 oz/ton Au
36504	- Quartz vein - Vuggy, 20 cm long, chlorite, alteration.	35
37505	- Volcanic breccia - Stratiform horizon, silicified & chlorite alteration - ≤ 3% medium grained pyrite.	<5
37506	- Andesitic tuff - Silicified, ankerite gossan - 1% pyrite.	10
37507	- Brecciated Siltstone - High limonite alteration, quartz vein (0.3 x 4m).	<5
37508	- Quartz vein - 0.15 m x 10 m	0.051 oz/ton Au
37509	- Andesitic Breccia - Quartz vein stockwork, sericitic + argillic alteration.	<5
37510	- Quartz vein - 0.2 m x 20 m, coarse grained - < 1% fine grained pyrite	20 ppb Au
37511	- Quartz vein - Same as 37510, 1.5 m wide	5

SAMPLE NO.	DESCRIPTION	ANALYSIS (ppb Au)
37512	- Quartz vein - 1.0 m x 100 m, moderate limonite alteration	<5
37513	- Andesitic Tuff/flow - Limonite gossan 3.0m x 2.0m - ≤ 15% fine grained pyrite.	70
37514	- Quartz vein - 0.5m x 30m moderate limonite alteration	<5
37515	- Andesitic Breccia (float) - Quartz vein, sericitic alteration	5
37516	- Basalt (float) - Quartz vein, moderate limonite alteration.	<5
37517	- Andesitic breccia - Quartz vein, 5 cm wide, ankerite staining.	<5
37518	- Siltstone/Sandstone - Quartz & Ankerite vein (0.05m x 3m),geothite	<5
37519	- Intermediate Tuff/conglomerate - Quartz ankerite vein, intersection of 2 shears - ≤ 3% diss pyrite	5
37520	- Intermediate tuffs - Chlorite + Calcite + epidote qtz vein.	<5
37521	- Intermediate volcanic/ conglomerate - Shear (0.20 m x 8 m), sericitic alteration - ≤ 20% medium grained pyrite.	<5
37522	- Andesite - Quartz ankerite limonite vein host is highly sericitized.	260 ppb Au/2.6% Pb/.85% Zn
37523	- Intermediate volcanic/ conglomerate - Qtz & ankerite vein, high limonite alteration. - 10% arsenopyrite, trace cpy.	620ppb Au/0.27% Pb/0.07%Zn

SAMPLE NO.	DESCRIPTION	ANALYSIS (ppb Au)
37524	- Andesitic Tuff - Pegmatitic quartz, feldspar vein	20ppb Au, 870ppm Pb
37525	- Andesite - Pyritiferous shear - 10% pyrite	30
37526	- Breccia tuff(float) - Silicified	<5
37527	- Intermediate volcanics - High sericite, argillite alteration. - Sulphides oxidized to limonite.	<5
37528	- Basalt - Pillow, limonite & jarosite alteration.	<5
37529	- Basalt - Quartz vein, high limonite & jarosite - ≤ 20% pyrite in fractures.	60
37530	- Basalt - Quartz vein, high limonite & jarosite - ≤ 20% pyrite in fractures	80
37531	- Intermediate volcanic tuff - Limonite gossan, 10m x 13m	10
37532	- Intermediate pyroclastic - Quartz ankerite vein in shear, limonite alteration	10
37533	- Mafic volcanic - Part of shear; sericite & limonite & jarosite.	130ppm Mo, <5ppb Au
37534	- Quartz vein (float) - Quartz & calcite & barite float.	<5
37535	- Intermediate pyroclastics - Quartz carbonate vein, sericite & limonite.	<5
37536	- Intermediate pyroclastics - Sheared; limonite & sericite.	15

SAMPLE NO.	DESCRIPTION	ANALYSIS (ppb Au)
37537	- Intermediate pyroclastics - Brecciated quartz vein, intense limonite, jarosite	55
37538	- Intermediate pyroclastics - Same as 37 but more massive.	10
37539	- Intermediate pyroclasitcs - Volcanic has intense limonite & jarosite & argillic alteration	<5
37540	- Siltstone (float) - Brecciated qtz vein, limonite alteration	5
37541	- Chert - Mostly fine to medium grained pyritic - 20% pyrite,trace arsenopyrite	<5
37542	- Chert - Mostly fine to medium grained pyritic - 20% Pyrite,trace arsenopyrite	<5
37601	- Intermediated volcanic - Weekly silicified, 2 thin qtz stringers. - ≤ 2% disseminated cubic pyrite	80
37602	- Intermediated volcanics - Moderate silicified, qtz stringers; epidote & chlorite alteration	10
37603	- Intermediate volcanic tuff - 3.0 cm wide vein, moderately silicified.	0.23 oz/ton Au
37604	- Mafic tuff - Brecciated qtz vein, 1-3 cm wide stringers.	130
37605	- Mafic tuff - 0.3 m wide brecciated vein, 35 m long.	450
37606	- Quartz vein - Brecciated vein with sub-parallel stringers.	60

SAMPLE NO.	DESCRIPTION	ANALYSIS (ppb Au)
37607	- Intermediate volcanic - 3 cm wide qtz vein	95
37608	- Intermediate volcanic tuff - 5 cm wide qtz vein, host rock is moderately silicified. - ≤ 7% cubic pyrite in tuff.	0.101 oz/ton Au
37609	- Intermediate volcanic (tuff) - 0.3 m wide vein with 50% epidote.	30
37610	- Blocky intermediate tuff - 0.2 m wide vein, rusty, brecciated.	0.252 oz/ton Au
37611	- Intermediate volcanic - Wall rock at above sample, rusty - ≤ 12% disseminated cubic pyrite.	730
37612	- Mafic volcanic - Brecciated quartz vein.	50
37613	- Intermediate volcanic - Bullish qtz vein, 8cm wide. - ≤ 1% pyrite in wallrock.	390
37614	- Intermediate volcanic - Oxidized - ≤ 2% disseminated pyrite.	0.134 oz/ton Au
37615	- Intermediate volcanic - 0.3 m wide chlorite & qtz vein; chlorite = 40%.	90
37616	- Intermediate tuff/Mafic volcanic - Vein within contact, wallrock is oxidized.	150
37617	- Blocky tuff - 0.15 m wide vein with 20% chlorite.	30
37618	- Blocky tuff - 0.12 m wide vein, 50-60% massive epidote.	10
37619	- Blocky tuff - 0.2 m wide vein, 30% massive chlorite.	<5

SAMPLE NO.	DESCRIPTION	ANALYSIS (ppb Au)
37620	- Intermediate volcanic - Silicified, numerous ≤ 6mm stringers. - ≤ 3% pyrite in wall rock & stringers.	0.134 oz/ton Au
37621	- Intermediate volcanic - Brecciated qtz veining-extensive stockwork.	5
37622	- Intermediate volcanic - Brecciated qtz veining-extensive stockwork.	25
37623	- Intermediate volcanic - Small gossan; moderate stringer stockwork.	25
37624	- Intermediate volcanic - Brecciated qtz veining - extensive stockwork.	10
37625	- Intermediate volcanic - Brecciated qtz veining - extensive stockwork.	15
37626	- Intermediate volcanic - Medium grained, oxidized - ≤ 4% disseminated pyrite.	<5
37627	- Intermediate volcanic - Gossan, footwall of large fault, silicified. - ≤ 1% disseminated pyrite.	<5
37628	- Intermediate volcanic - Gossan, footwall of large fault, silicified. - ≤ 1% disseminated pyrite.	<5
37629	- Intermediate volcanic - Vein within gossaned footwall.	15
37630	- Mafic volcanic - Silicified, 5 mm qtz - ankerite stringers. - ≤ 1% disseminated pyrite.	<5
37631	- Flow breccia - mafic - 0.2 m wide shear with parallel qtz-ankerite.	10

SAMPLE NO.	DESCRIPTION	ANALYSIS (ppb Au)
37632	- Mafic volcanic - Moderate oxidation, 3cm wide qtz vein. - ≤ 3% disseminated pyrite.	5
37633	- Mafic volcanic - Qtz, sericite alteration.	5
37634	- Mafic volcanic - silicified, grey to pale green. - ≤ 2% disseminated pyrite.	<5
37635	- Mafic volcanic - Old trench, brecciated qtz veining. - ≤ 30% sphalerite.	0.039oz/ton Au, 12% Zn
37636	- Intermediate volcanic - Silicified. - ≤ 5% disseminated pyrite.	0.9% Zn, 55ppb Au
37637	- Intermediated volcanic - Silicified, barren qtz veining.	500ppm Zn, 25ppbAu
37638	- Mudstone - Moderate oxidation, minor qtz carbonate stringers. - ≤ 1% cubic pyrite.	15
37639	- Intermediated volcani (float) - 3 cm wide qtz vein, minor epidote alteration.	<5
37640	- Intermediate volcanic (float) - Rusty, silicifed, minor epidote alteration.	<5
37641	- Intermediate volcanic (float) - Well oxidized - ≤ 25% pyrite.	<5
37642	- Qtz vein (float) - 0.2 m wide qtz vein - ≤ 40% pyrite	400 ppm W, 10 ppm Au
37643	- Intermediate subvolcanic (float) - Oxidized, qtz stringer.	<5

APPENDIX II

ASSAY CERTIFICATES

TSL LABORATORIES
DIV. BURGENER TECHNICAL ENTERPRISES LIMITED

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SASKATOON, SASKATCHEWAN
S7K 6A4
(306) 931-1033 FAX: (306) 242-4717

CERTIFICATE OF ANALYSIS

SAMPLE(S) FROM OreQuest Consultants Ltd.
306 - 595 Howe Street
Vancouver. B.C.
V6C 2T5

REPORT No.
S1058

INVOICE #: 15568
P.O.: R2577

SAMPLE(S) OF Rock

P. Brucciani
Project: KITGOLD

	Au ppb	Au ozt
37630	<5	
37631	10	
37632	5	
37633	5	
37634	<5	
37635	>1000	.039
37636	55	
37637	25	
37638	15	
37601	80	
37602	10	
37603	>1000	.220/.231
37604	130	
37605	450	
37606	60	
37607	95	
37608	>1000	.101
37609	30	
37610	>1000	.252/.247
37611	730	

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SAMPLE(S) OF Rock

P. Brucciani
Project: KITGOLD

	Au ppb	Au ozt
37612	50	
37613	390	
37614	>1000	.134/.132
37615	90	
37616	150	
37617	30	
37618	10	
37619	<5	
37620	>1000	.128/.134
37621	5	
37622	25	
37623	25	
37624	10	
37625	15	
37626	<5	
37627	<5	
37628	<5	
37629	15	
37501	10	
37502	5	

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SAMPLE(S) OF Rock

P. Brucciani
Project: KITGOLD

	Au ppb	Au ozt
37503	>1000	.040
37504	35	
37505	<5	
37506	10	
37507	<5	
37508	>1000	.051
37509	<5	
37510	20	
37511	5	
37512	<5	
37513	70	
37514	<5	
37515	5	
37516	<5	
37517	<5	
37518	<5	
37519	5	
37520	<5	
37521	<5	
37522	260	

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SAMPLE(S) OF Rock

P. Brucciani
Project: KITGOLD

	Au ppb
37523	620
37524	20
37525	30
37526	<5
37527	<5
37528	<5
37529	60
37530	80
37531	10
37532	10
37533	<5
37534	<5
37535	<5
37536	15
37537	55
37538	10
37539	<5

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REPORT No.
S1080

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P.O.: R-2611

SAMPLE(S) OF Rock

B. LaPeare
Project: KITGOLD

	Au ppb
37639	<5
37640	<5
37641	<5
37642	10
37643	<5
37540	5
37541	<5
37542	<5

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REPORT No.
S1112

INVOICE #: 15634
P.O.: R2578

SAMPLE(S) OF Silt

B. R. LaPeare
Project KITGOLD

	Au ppb
KG201	10
KG202	10
KG203	5
KG204	15
KG205	5
KG206	15

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REPORT No.
S1108

INVOICE #: 15631
P.O.: R2613

SAMPLE(S) OF Silt

B.R. LaPeare
Project KITGOLD

	Au ppb
KG 207	20
KG 208	110
KG 209	5
KG 210	10
KG 211	15
KG 212	10
KG 213	5
KG 214	35
KG 215	5
KG 220	5
KG 221	<5
KG 222	<5

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FAX #: (306) 242 - 4717

I.C.A.P. PLASMA SCAN

Aqua-Regia Digestion

OREQUEST CONSULTANTS LTD.
306 - 595 HOWE STREET
VANCOUVER, B.C.
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ATTN: B. DEWONCK, J. CHAPMAN

T.S.L. REPORT No. : S - 1058 - 2
T.S.L. File No. : SE25MD
T.S.L. Invoice No. : 15684

PROJECT: KITGOLD R-2577

ALL RESULTS PPM

ELEMENT		37602	37603	37604	37605	37606	37607	37608	37609	37610	37611
Aluminum	[Al]	9700	8300	7700	4700	11000	6200	12000	6000	1100	10000
Iron	[Fe]	21000	15000	12000	18000	23000	14000	29000	7900	3600	33000
Calcium	[Ca]	11000	9700	3100	3700	3000	680	70000	10000	1100	880
Magnesium	[Mg]	3500	3800	3700	2100	4700	3000	5300	960	460	4900
Sodium	[Na]	40	100	60	80	110	70	140	30	60	150
Potassium	[K]	380	470	1200	870	930	800	1000	190	300	910
Titanium	[Ti]	1500	61	19	25	240	58	20	630	27	38
Manganese	[Mn]	510	670	500	350	550	580	1800	200	73	330
Phosphorus	[P]	510	230	160	220	410	240	460	330	50	460
Barium	[Ba]	150	27	130	57	68	36	31	13	25	35
Chromium	[Cr]	40	51	47	61	67	66	22	81	95	74
Zirconium	[Zr]	9	3	2	2	4	2	6	3	< 1	6
Copper	[Cu]	4	54	35	19	67	9	15	11	26	29
Nickel	[Ni]	< 1	3	3	3	3	4	1	2	1	2
Lead	[Pb]	11	2	5	9	4	6	7	4	39	20
Zinc	[Zn]	96	120	140	64	160	38	48	11	300	200
Vanadium	[V]	62	33	11	11	44	17	36	37	5	35
Strontium	[Sr]	290	30	13	9	11	3	86	490	21	10
Cobalt	[Co]	10	4	5	4	7	5	9	1	1	5
Molybdenum	[Mo]	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Silver	[Ag]	< 1	5	< 1	< 1	< 1	< 1	1	< 1	4	1
Cadmium	[Cd]	< 1	< 1	< 1	1	< 1	< 1	< 1	< 1	< 1	< 1
Beryllium	[Be]	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Boron	[B]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Antimony	[Sb]	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Yttrium	[Y]	11	6	5	3	4	3	9	2	< 1	3
Scandium	[Sc]	7	2	1	1	3	1	3	1	< 1	2
Tungsten	[W]	< 10	< 10	< 10	< 10	20	< 10	< 10	< 10	< 10	< 10
Niobium	[Nb]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Thorium	[Th]	< 10	< 10	< 10	< 10	10	< 10	30	< 10	< 10	< 10
Arsenic	[As]	< 5	< 5	10	100	20	20	95	< 5	15	220
Bismuth	[Bi]	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Tin	[Sn]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Lithium	[Li]	10	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Holmium	[Ho]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10

DATE : SEP-28-1990

SIGNED : Bernie Dunn

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TELEPHONE #: (306) 931 - 1033
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I.C.A.P. PLASMA SCAN

Aqua-Regia Digestion

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ATTN: B. DEWONCK, J. CHAPMAN

T.S.L. REPORT No. : S - 1058 - 3
T.S.L. File No. : SE25MD
T.S.L. Invoice No. : 15684

PROJECT: KITGOLD R-2577

ALL RESULTS PPM

ELEMENT	37612	37613	37614	37615	37616	37617	37618	37619	37620	37621
Aluminum [Al]	2900	1900	14000	32000	5000	43000	9500	31000	14000	1000
Iron [Fe]	10000	6800	42000	49000	11000	66000	12000	51000	42000	3900
Calcium [Ca]	1200	440	1600	400	500	660	6200	11000	2100	220
Magnesium [Mg]	1600	970	5800	9500	3000	10000	4200	9100	4700	480
Sodium [Na]	40	60	190	40	70	80	150	80	40	30
Potassium [K]	770	450	1200	310	530	260	160	260	900	210
Titanium [Ti]	150	63	1000	71	30	44	970	160	62	7
Manganese [Mn]	230	140	740	1900	410	1800	340	1400	280	39
Phosphorus [P]	240	100	610	180	130	220	380	160	530	54
Barium [Ba]	28	19	49	19	30	25	23	24	39	6
Chromium [Cr]	74	95	61	75	110	56	64	45	48	140
Zirconium [Zr]	2	2	9	6	1	10	5	7	7	< 1
Copper [Cu]	8	25	19	3	11	3	4	2	28	7
Nickel [Ni]	6	3	7	6	3	4	3	7	3	4
Lead [Pb]	13	29	17	28	6	9	4	< 1	9	2
Zinc [Zn]	36	26	55	140	28	130	28	110	160	11
Vanadium [V]	3	8	64	21	9	120	39	70	72	5
Strontium [Sr]	6	3	5	3	4	7	650	110	45	4
Cobalt [Co]	3	2	11	14	4	16	6	17	13	1
Molybdenum [Mo]	< 2	4	< 2	< 2	< 2	< 2	< 2	< 2	< 2	4
Silver [Ag]	< 1	< 1	2	< 1	< 1	< 1	< 1	< 1	2	< 1
Cadmium [Cd]	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	3	< 1
Beryllium [Be]	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Boron [B]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Antimony [Sb]	10	< 5	< 5	10	< 5	< 5	< 5	5	< 5	< 5
Yttrium [Y]	2	< 1	5	2	1	2	2	2	8	< 1
Scandium [Sc]	< 1	< 1	6	1	< 1	2	2	< 1	5	< 1
Tungsten [W]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Niobium [Nb]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Thorium [Th]	< 10	< 10	30	50	< 10	60	< 10	60	10	< 10
Arsenic [As]	70	30	250	< 5	25	< 5	< 5	< 5	170	10
Bismuth [Bi]	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Tin [Sn]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Lithium [Li]	15	10	15	25	10	30	10	20	20	< 5
Holmium [Ho]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10

DATE : SEP-28-1990

SIGNED : Bernie Ann

T S L LABORATORIES
2-302-48TH STREET, SASKATOON, SASKATCHEWAN S7K 6A4
TELEPHONE #: (306) 931 - 1033
FAX #: (306) 242 - 4717

I.C.A.P. PLASMA SCAN

Aqua-Regia Digestion

OREQUEST CONSULTANTS LTD.
306 - 595 HOWE STREET
VANCOUVER, B.C.
V6C 2T5
ATTN: B. DEWONCK, J. CHAPMAN

T.S.L. REPORT No. : S - 1058 - 4
T.S.L. File No. : SE25MD
T.S.L. Invoice No. : 15684

PROJECT: KITGOLD R-2577

ALL RESULTS PPM

ELEMENT		37622	37623	37624	37625	37626	37627	37628	37629	37501	37502
Aluminum	[Al]	1200	2900	1100	1200	11000	2300	7500	2400	4300	22000
Iron	[Fe]	8700	16000	7300	7500	45000	37000	25000	20000	12000	57000
Calcium	[Ca]	140	380	420	180	51000	62000	50000	140000	17000	34000
Magnesium	[Mg]	180	1000	220	350	7900	6000	6700	4700	2400	6100
Sodium	[Na]	30	40	30	20	180	210	190	110	70	340
Potassium	[K]	560	630	460	410	560	320	580	310	130	360
Titanium	[Ti]	6	7	4	13	31	1	11	< 1	15	880
Manganese	[Mn]	24	120	66	52	990	1600	1100	1700	340	980
Phosphorus	[P]	160	270	160	140	1100	970	830	420	130	770
Barium	[Ba]	16	23	16	13	92	34	36	46	12	35
Chromium	[Cr]	120	70	100	110	28	11	26	6	79	20
Zirconium	[Zr]	1	2	1	< 1	22	14	10	9	2	20
Copper	[Cu]	13	35	13	15	61	210	140	33	11	7
Nickel	[Ni]	4	11	7	7	11	9	6	4	1	< 1
Lead	[Pb]	9	10	7	5	2	2	< 1	< 1	10	6
Zinc	[Zn]	14	56	24	19	59	52	50	36	39	100
Vanadium	[V]	4	20	6	5	120	31	76	26	30	260
Strontium	[Sr]	4	4	3	2	430	220	260	760	72	100
Cobalt	[Co]	< 1	3	2	2	18	16	9	6	4	21
Molybdenum	[Mo]	6	2	4	6	< 2	< 2	< 2	< 2	< 2	< 2
Silver	[Ag]	< 1	2	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Cadmium	[Cd]	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Beryllium	[Be]	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Boron	[B]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Antimony	[Sb]	< 5	10	< 5	< 5	5	5	< 5	< 5	< 5	< 5
Yttrium	[Y]	< 1	2	< 1	< 1	10	10	9	16	3	23
Scandium	[Sc]	< 1	< 1	< 1	< 1	28	18	14	13	3	23
Tungsten	[W]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Niobium	[Nb]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Thorium	[Th]	< 10	< 10	< 10	< 10	50	50	40	100	< 10	50
Arsenic	[As]	40	25	20	25	30	35	20	15	5	5
Bismuth	[Bi]	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Tin	[Sn]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Lithium	[Li]	< 5	5	< 5	< 5	15	< 5	10	< 5	5	15
Holmium	[Ho]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	10	< 10	< 10

DATE : SEP-28-1990

SIGNED : Bernie Dunn

T S L LABORATORIES
2-302-48TH STREET, SASKATOON, SASKATCHEWAN S7K 6A4
TELEPHONE #: (306) 931 - 1033
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I.C.A.P. PLASMA SCAN

Aqua-Regia Digestion

OREQUEST CONSULTANTS LTD.
306 - 595 HOWE STREET
VANCOUVER, B.C.
V6C 2T5
ATTN: B. DEWONCK, J. CHAPMAN

T.S.L. REPORT No. : S - 1058 - 1
T.S.L. File No. : M - 8121
T.S.L. Invoice No. : 15684

PROJECT: KITBOLD R-2577

ALL RESULTS PPM

ELEMENT		37630	37631	37632	37633	37634	37635	37636	37637	37638	37601
Aluminum	[Al]	5000	13000	2900	14000	24000	2100	21000	4000	4000	19000
Iron	[Fe]	31000	37000	25000	21000	39000	13000	41000	8500	13000	34000
Calcium	[Ca]	44000	64000	49000	45000	27000	11000	7400	26000	2200	4100
Magnesium	[Mg]	7600	7300	6800	7200	9400	1400	8300	2100	2400	7100
Sodium	[Na]	130	110	70	210	170	60	200	500	90	360
Potassium	[K]	820	370	700	340	520	450	350	270	1100	400
Titanium	[Ti]	18	15	5	1100	280	100	1300	45	14	440
Manganese	[Mn]	860	1300	1200	600	1000	230	760	940	110	780
Phosphorus	[P]	860	700	680	590	1000	190	1100	290	350	410
Barium	[Ba]	47	56	49	45	48	45	47	25	55	31
Chromium	[Cr]	30	22	36	100	28	40	48	47	38	30
Zirconium	[Zr]	10	15	6	11	18	3	17	2	2	7
Copper	[Cu]	55	160	38	25	71	230	130	12	61	40
Nickel	[Ni]	7	9	5	31	10	9	10	1	21	5
Lead	[Pb]	3	27	12	6	6	37	10	3	9	8
Zinc	[Zn]	24	47	32	27	90	120000	8900	500	190	120
Vanadium	[V]	38	120	24	75	180	14	190	20	7	78
Strontium	[Sr]	310	590	300	210	140	39	22	490	28	20
Cobalt	[Co]	13	13	8	10	16	11	18	2	9	10
Molybdenum	[Mo]	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Silver	[Ag]	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Cadmium	[Cd]	< 1	< 1	< 1	< 1	< 1	69	66	22	2	< 1
Beryllium	[Be]	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Boron	[B]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Antimony	[Sb]	10	10	5	< 5	15	< 5	10	< 5	< 5	< 5
Yttrium	[Y]	7	8	6	5	8	1	8	6	2	6
Scandium	[Sc]	13	20	8	7	20	2	12	3	1	4
Tungsten	[W]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Niobium	[Nb]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Thorium	[Th]	40	40	40	20	60	< 10	60	< 10	< 10	40
Arsenic	[As]	25	< 5	20	< 5	< 5	10	< 5	< 5	20	< 5
Bismuth	[Bi]	10	< 5	< 5	10	10	< 5	< 5	5	< 5	< 5
Tin	[Sn]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Lithium	[Li]	10	50	35	45	45	25	35	20	15	25
Holmium	[Ho]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10

DATE : SEP-28-1990

SIGNED : Bernie Dunn

T S L LABORATORIES
2-302-48TH STREET, SASKATOON, SASKATCHEWAN S7K 6A4
TELEPHONE #: (306) 931 - 1033
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I.C.A.P. PLASMA SCAN

Aqua-Regia Digestion

OREQUEST CONSULTANTS
306 - 595 HOWE STREET
VANCOUVER, B.C.
V6C 2T5
ATTN: B. DEWONCK, J. CHAPMAN

T.S.L. REPORT No. : S - 1080 - 1
T.S.L. File No. : M - 8141
T.S.L. Invoice No. : 15676

PROJECT: KITGOLD R-2611

ALL RESULTS PPM

ELEMENT		37639	37640	37641	37642	37643	37540	37541	37542
Aluminum	[Al]	6600	11000	16000	1300	15000	890	380	230
Iron	[Fe]	24000	45000	40000	51000	31000	12000	14000	13000
Calcium	[Ca]	4800	4200	5500	720	9700	1700	240	80
Magnesium	[Mg]	3600	5100	6300	650	4600	280	60	40
Sodium	[Na]	430	560	920	130	1800	100	20	10
Potassium	[K]	2900	5700	6000	510	3600	250	140	120
Titanium	[Ti]	690	1200	1700	150	680	37	11	8
Manganese	[Mn]	420	370	490	47	400	56	20	9
Phosphorus	[P]	740	910	690	88	730	330	86	22
Barium	[Ba]	56	71	100	13	64	8	43	35
Chromium	[Cr]	49	33	49	130	78	140	130	80
Zirconium	[Zr]	4	7	8	4	7	2	2	1
Copper	[Cu]	18	48	150	9	67	15	14	7
Nickel	[Ni]	2	4	3	4	5	10	3	2
Lead	[Pb]	16	6	8	< 1	11	6	35	33
Zinc	[Zn]	49	75	69	4	120	32	790	150
Vanadium	[V]	48	71	110	8	76	4	2	< 1
Strontium	[Sr]	24	23	33	4	46	8	2	< 1
Cobalt	[Co]	5	7	10	21	10	3	3	4
Molybdenum	[Mo]	< 2	< 2	< 2	< 2	< 2	4	8	22
Silver	[Ag]	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Cadmium	[Cd]	< 1	< 1	< 1	< 1	2	< 1	12	2
Beryllium	[Be]	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Boron	[B]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Antimony	[Sb]	< 5	< 5	< 5	5	< 5	< 5	5	5
Yttrium	[Y]	4	5	8	1	5	1	< 1	< 1
Scandium	[Sc]	2	3	6	< 1	6	< 1	< 1	< 1
Tungsten	[W]	< 10	< 10	10	400	100	60	< 10	20
Niobium	[Nb]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Thorium	[Th]	10	30	30	< 10	10	< 10	< 10	< 10
Arsenic	[As]	15	15	5	< 5	160	30	90	55
Bismuth	[Bi]	5	< 5	10	< 5	< 5	< 5	< 5	< 5
Tin	[Sn]	10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Lithium	[Li]	< 5	5	10	< 5	< 5	< 5	< 5	< 5
Holmium	[Ho]	< 10	10	20	< 10	< 10	< 10	< 10	< 10

DATE : SEP-27-1990

SIGNED : Bernie Dunn

T S L LABORATORIES
2-302-48TH STREET, SASKATOON, SASKATCHEWAN S7K 6A4
TELEPHONE #: (306) 931 - 1033
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I.C.A.P. PLASMA SCAN

Aqua-Regia Digestion

OREQUEST CONSULTANTS LTD.
306 - 595 HOWE STREET
VANCOUVER, B.C.
V6C 2T5
ATTN: B. DEWONCK, J. CHAPMAN

T.S.L. REPORT No. : S - 1058 - 5
T.S.L. File No. : SE25MD
T.S.L. Invoice No. : 15684

PROJECT: KITGOLD R-2577

ALL RESULTS PPM

ELEMENT		37503	37504	37505	37506	37507	37508	37509	37510	37511	37512
Aluminum	[Al]	3700	10000	9400	2500	1300	4500	3500	4300	810	3300
Iron	[Fe]	19000	21000	21000	13000	12000	18000	4600	11000	3400	11000
Calcium	[Ca]	1300	4300	90000	120000	7000	720	4100	4900	220	180
Magnesium	[Mg]	1700	4600	4400	4200	570	1200	1000	1700	330	1500
Sodium	[Na]	70	60	130	130	50	50	20	60	40	100
Potassium	[K]	950	270	830	1200	540	910	170	640	150	580
Titanium	[Ti]	94	18	410	12	10	21	310	20	4	8
Manganese	[Mn]	360	590	2500	3200	520	110	120	220	24	58
Phosphorus	[P]	260	140	290	1200	110	370	62	220	32	150
Barium	[Ba]	36	14	46	170	110	34	8	14	4	23
Chromium	[Cr]	80	100	16	12	96	47	87	100	100	94
Zirconium	[Zr]	3	3	6	3	2	2	2	2	< 1	2
Copper	[Cu]	11	2	4	8	26	10	2	7	4	59
Nickel	[Ni]	7	2	2	1	13	3	3	2	3	1
Lead	[Pb]	27	4	9	4	110	16	4	6	6	7
Zinc	[Zn]	18	31	30	25	49	44	6	57	16	69
Vanadium	[V]	11	18	110	6	9	10	18	6	2	8
Strontium	[Sr]	6	15	97	250	13	4	52	21	2	3
Cobalt	[Co]	4	6	8	4	3	4	2	3	< 1	1
Molybdenum	[Mo]	< 2	< 2	< 2	< 2	2	< 2	< 2	< 2	< 2	< 2
Silver	[Ag]	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	1
Cadmium	[Cd]	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Beryllium	[Be]	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Boron	[B]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Antimony	[Sb]	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Yttrium	[Y]	3	1	7	14	3	2	1	2	< 1	< 1
Scandium	[Sc]	1	< 1	3	2	1	< 1	2	< 1	< 1	< 1
Tungsten	[W]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Niobium	[Nb]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Thorium	[Th]	< 10	< 10	100	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Arsenic	[As]	130	< 5	5	< 5	< 5	90	< 5	20	< 5	45
Bismuth	[Bi]	< 5	< 5	5	5	< 5	< 5	< 5	< 5	< 5	< 5
Tin	[Sn]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Lithium	[Li]	< 5	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Holmium	[Ho]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10

DATE : SEP-28-1990

SIGNED : Bernie Dunn

T S L LABORATORIES
2-302-48TH STREET, SASKATOON, SASKATCHEWAN S7K 6A4
TELEPHONE #: (306) 931 - 1033
FAX #: (306) 242 - 4717

I.C.A.P. PLASMA SCAN

Aqua-Regia Digestion

OREQUEST CONSULTANTS LTD.
306 - 595 HOWE STREET
VANCOUVER, B.C.
V6C 2T5
ATTN: B. DEWONCK, J. CHAPMAN

T.S.L. REPORT No. : S - 1058 - 6
T.S.L. File No. : SE25MD
T.S.L. Invoice No. : 15684

PROJECT: KITGOLD R-2577

ALL RESULTS PPM

ELEMENT		37513	37514	37515	37516	37517	37518	37519	37520	37521	37522
Aluminum	[Al]	4100	1400	370	380	8500	2000	7500	2600	12000	3400
Iron	[Fe]	37000	4300	3000	2200	24000	9500	30000	4800	36000	91000
Calcium	[Ca]	640	1600	160	200	9700	57000	25000	48000	2000	260
Magnesium	[Mg]	1100	760	80	190	4400	2500	5100	1200	4700	360
Sodium	[Na]	40	40	30	40	220	60	200	30	250	30
Potassium	[K]	890	230	170	40	610	350	1100	640	1100	640
Titanium	[Ti]	8	5	4	11	31	3	27	46	23	6
Manganese	[Mn]	220	94	47	62	710	400	1100	400	310	5600
Phosphorus	[P]	390	78	30	20	820	340	310	16	250	140
Barium	[Ba]	50	8	7	4	210	44	77	130	140	53
Chromium	[Cr]	68	110	120	100	38	82	28	90	23	30
Zirconium	[Zr]	5	< 1	< 1	< 1	10	3	7	1	6	15
Copper	[Cu]	12	9	7	3	43	11	4	4	1	530
Nickel	[Ni]	3	3	4	2	7	11	3	2	2	1
Lead	[Pb]	19	4	5	2	6	< 1	6	5	7	26000
Zinc	[Zn]	57	9	9	4	35	74	33	11	41	6500
Vanadium	[V]	8	5	1	4	64	10	28	2	19	8
Strontium	[Sr]	3	12	2	2	46	390	130	140	30	8
Cobalt	[Co]	10	1	1	1	10	3	6	2	6	20
Molybdenum	[Mo]	18	< 2	4	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Silver	[Ag]	2	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	69
Cadmium	[Cd]	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	10
Beryllium	[Be]	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Boron	[B]	< 10	< 10	< 10	< 10	10	< 10	< 10	< 10	< 10	< 10
Antimony	[Sb]	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	45
Yttrium	[Y]	2	< 1	< 1	< 1	6	6	10	7	3	11
Scandium	[Sc]	1	< 1	< 1	< 1	14	3	5	< 1	2	2
Tungsten	[W]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Niobium	[Nb]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Thorium	[Th]	< 10	< 10	< 10	< 10	80	< 10	50	< 10	70	20
Arsenic	[As]	300	10	5	< 5	5	15	10	< 5	< 5	770
Bismuth	[Bi]	< 5	< 5	< 5	< 5	< 5	5	< 5	10	< 5	< 5
Tin	[Sn]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Lithium	[Li]	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	10	< 5
Holmium	[Ho]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10

DATE : SEP-28-1990

SIGNED : Bernie Dunn

T S L LABORATORIES
2-302-48TH STREET, SASKATOON, SASKATCHEWAN S7K 6A4
TELEPHONE #: (306) 931 - 1033
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I.C.A.P. PLASMA SCAN

Aqua-Regia Digestion

OREQUEST CONSULTANTS LTD.
306 - 595 HOWE STREET
VANCOUVER, B.C.
V6C 2T5
ATTN: B. DEWONCK, J. CHAPMAN PROJECT: KITGOLD R-2577

T.S.L. REPORT No. : S - 1058 - 7
T.S.L. File No. : SE25MD
T.S.L. Invoice No. : 15684

ALL RESULTS PPM

ELEMENT		37523	37524	37525	37526	37527	37528	37529	37530	37531	37532
Aluminum	[Al]	650	7500	17000	2900	14000	17000	6100	1900	11000	3200
Iron	[Fe]	40000	18000	55000	7000	63000	42000	23000	17000	44000	22000
Calcium	[Ca]	480	2900	620	3400	500	1900	2500	920	1600	32000
Magnesium	[Mg]	300	1800	5500	1500	4400	6300	2600	700	4400	3800
Sodium	[Na]	30	50	170	70	30	60	60	50	310	70
Potassium	[K]	190	690	1200	310	1500	1600	1400	790	850	1100
Titanium	[Ti]	9	54	210	21	130	27	13	11	730	23
Manganese	[Mn]	400	2400	370	410	550	160	84	55	260	980
Phosphorus	[P]	44	120	190	50	630	800	1200	470	830	320
Barium	[Ba]	9	130	89	51	220	81	53	31	77	75
Chromium	[Cr]	110	89	25	85	30	42	98	100	21	60
Zirconium	[Zr]	5	2	9	1	9	6	3	3	12	4
Copper	[Cu]	240	42	11	45	210	82	35	26	40	24
Nickel	[Ni]	5	2	3	3	2	42	10	13	< 1	2
Lead	[Pb]	2700	870	50	43	35	20	9	11	12	7
Zinc	[Zn]	740	180	53	21	34	61	20	12	16	22
Vanadium	[V]	3	25	65	13	43	38	31	12	59	11
Strontium	[Sr]	7	7	7	8	5	10	8	4	14	150
Cobalt	[Co]	1	3	5	3	4	7	4	5	4	6
Molybdenum	[Mo]	< 2	< 2	< 2	< 2	22	4	< 2	< 2	6	4
Silver	[Ag]	170	8	< 1	< 1	5	< 1	2	2	< 1	< 1
Cadmium	[Cd]	3	2	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Beryllium	[Be]	< 1	1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Boron	[B]	< 10	30	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Antimony	[Sb]	180	10	< 5	< 5	< 5	< 5	< 5	5	< 5	< 5
Yttrium	[Y]	1	4	4	< 1	2	5	4	2	4	7
Scandium	[Sc]	< 1	2	3	< 1	2	3	2	< 1	4	2
Tungsten	[W]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Niobium	[Nb]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Thorium	[Th]	< 10	< 10	50	< 10	50	40	< 10	< 10	40	60
Arsenic	[As]	2100	130	10	55	100	10	55	180	75	15
Bismuth	[Bi]	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Tin	[Sn]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Lithium	[Li]	< 5	10	15	< 5	< 5	10	< 5	< 5	15	< 5
Holmium	[Ho]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10

DATE : SEP-28-1990

SIGNED : Bernie Dunn

T S L LABORATORIES
2-302-48TH STREET, SASKATOON, SASKATCHEWAN S7K 6A4
TELEPHONE #: (306) 931 - 1033
FAX #: (306) 242 - 4717

I.C.A.P. PLASMA SCAN

Aqua-Regia Digestion

OREQUEST CONSULTANTS LTD.
306 - 595 HOWE STREET
VANCOUVER, B.C.
V6C 2T5
ATTN: B. DEWONCK, J. CHAPMAN

T.S.L. REPORT No. : S - 1058 - B
T.S.L. File No. : SE25MD
T.S.L. Invoice No. : 15684

PROJECT: KITGOLD R-2577

ALL RESULTS PPM

ELEMENT		37533	37534	37535	37536	37537	37538	37539
Aluminum	[Al]	15000	980	20000	17000	2800	530	3100
Iron	[Fe]	46000	3600	34000	44000	14000	3500	21000
Calcium	[Ca]	940	44000	5300	1800	1200	61000	2100
Magnesium	[Mg]	5100	440	7400	6200	730	220	340
Sodium	[Na]	60	40	240	180	90	60	70
Potassium	[K]	950	160	480	900	1100	210	2200
Titanium	[Ti]	44	3	140	44	12	< 1	13
Manganese	[Mn]	210	220	590	280	62	710	31
Phosphorus	[P]	620	12	1000	1200	440	< 2	570
Barium	[Ba]	34	9	26	47	31	10	81
Chromium	[Cr]	30	73	25	12	59	86	19
Zirconium	[Zr]	8	< 1	7	8	2	< 1	3
Copper	[Cu]	40	5	32	41	29	7	18
Nickel	[Ni]	15	2	3	1	5	3	2
Lead	[Pb]	29	5	7	14	7	4	6
Zinc	[Zn]	95	8	57	34	25	5	3
Vanadium	[V]	33	3	92	100	9	2	9
Strontium	[Sr]	6	260	29	11	7	140	9
Cobalt	[Co]	22	1	9	6	3	1	4
Molybdenum	[Mo]	130	8	4	< 2	14	< 2	< 2
Silver	[Ag]	2	< 1	< 1	< 1	1	< 1	< 1
Cadmium	[Cd]	3	< 1	< 1	< 1	< 1	< 1	< 1
Beryllium	[Be]	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Boron	[B]	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Antimony	[Sb]	< 5	< 5	< 5	5	< 5	< 5	< 5
Yttrium	[Y]	3	2	5	3	2	3	1
Scandium	[Sc]	4	< 1	6	6	1	< 1	1
Tungsten	[W]	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Niobium	[Nb]	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Thorium	[Th]	30	< 10	40	60	< 10	< 10	< 10
Arsenic	[As]	45	5	< 5	< 5	20	< 5	30
Bismuth	[Bi]	< 5	5	< 5	< 5	< 5	5	< 5
Tin	[Sn]	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Lithium	[Li]	< 5	< 5	20	5	< 5	< 5	< 5
Holmium	[Ho]	< 10	< 10	< 10	< 10	< 10	< 10	< 10

DATE : SEP-28-1990

SIGNED : Bernie Dunn

APPENDIX III

ANALYTICAL PROCEDURES

T S L LABORATORIES
DIVISION OF BURGENER TECHNICAL ENTERPRISES LIMITED
2 - 302 - 48th STREET,
SASKATOON, SASKATCHEWAN
S7K 6A4
☎ (306) 931-1033 FAX: (306) 242-4717

OreQuest Consultants Ltd.
306 - 595 Howe Street
Vancouver, B.C.
V6C 2T5

Jan.9/90

1 - SAMPLE PREPARATION PROCEDURES
Rock and Core

- Entire sample is crushed, riffled and the subsequent split is pulverized to -150 mesh.

Soils and Silts
- Sample is dried and sieved to -80 mesh.

2 - FIRE ASSAY PROCEDURES
Geochem Gold (Au ppb) -
A 30g subsample is fused, cupelled and the subsequent dore' bead is dissolved in aqua rega. The solution is then analyzed on the Atomic Absorption.

Assay Gold (Au oz/ton) -
A 29.16g subsample is fused, cupelled and the subsequent dore' bead is parted with a dilute nitric acid solution. The gold obtained is rinsed with DI water, annealed and weighed on a microbalance.

3 - Geochem Silver (Ag ppm) -
A 1g subsample is digested with 5mls of aqua rega for 1 1/2 to 2 hours, then diluted with DI H20. The solutions are then run on the Atomic Absorption.

Assay Silver (Ag oz/ton) -
A 2.00g sample is digested with 15mls HCl plus 5mls HNO3 for 1 hour in a covered beaker; diluted to 100mls with 1:1 HCl. The solution is run on the Atomic Absorption.

4 - BASE METALS
Geochem - A 1g subsample is digested with 5mls of aqua rega for 1 1/2 to 2 hours, then diluted with DI H20. The solutions are then run on the Atomic Absorption.

Assay - A 0.500g sample is taken to dryness with 15mls HCl plus 5mls HN03, then redissolved with 5mls HNO3 and diluted to 100mls with DI H20. The solution is run on the Atomic Absorption.

con't...

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5. ICAP Geochemical Analysis -
A 1g subsample is digested with 5mls of aqua rega for 1 1/2 to 2 hours, then diluted with DI H20. The solutions are then run on the ICAP.

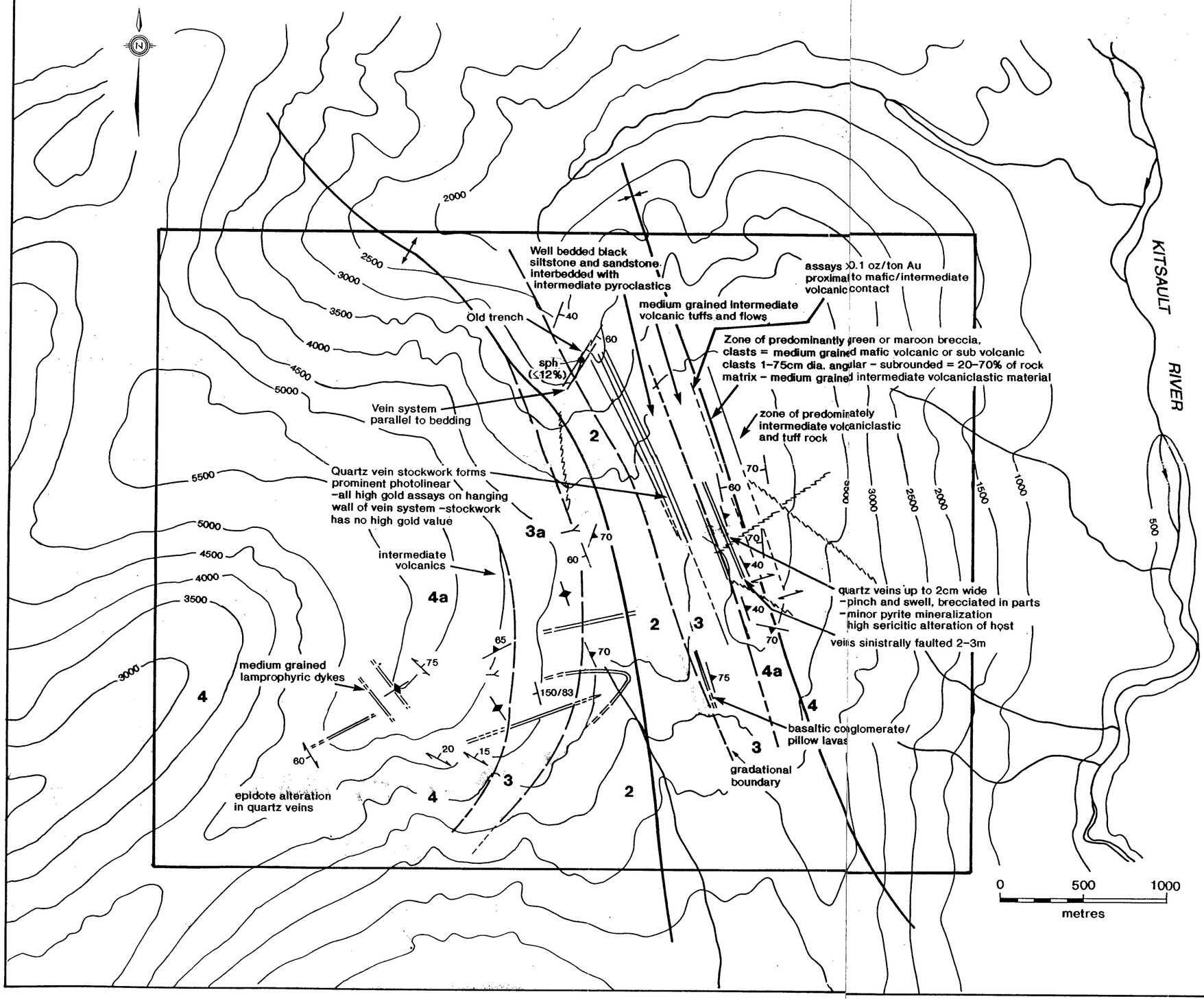
6. Heavy Mineral Concentrates -
The sample is initially wet sieved through -1700 micron, then placed on a shaker table. A heavy liquid separation is performed, Methylene Iodide, (S.G. - 3.3); diluted to give a S.G. of 2.96. The heavies were then analyzed for Au by Fire Assay plus an ICAP Scan.

Yours truly,

Bernie Dunn

Bernie Dunn

BD/vh



LEGEND

JURASSIC
Lower to Middle Jurassic

4 MIDDLE VOLCANIC UNIT
- **a** Green and minor maroon andesite pyroclastic rocks
- **b** Feldspar ± hornblende andesite porphyry
- **c** Black siltstone
- **d** Maroon siltstone, sandstone, and conglomerate

3 MIDDLE SEDIMENTARY UNIT
- **a** Black siltstone
- **c** Green and purple volcanic breccia with minor siltstone, sandstone, and conglomerate
- **d** Interbedded siltstone, sandstone, wacke, and polymictic pebble comglomerate

2 MAFIC VOLCANIC UNIT
- **a** Olivine porphyry basalt flows
- **b** Augite porphyry basalt flows and pillowed flows
- **c** Basaltic pyroclastic rocks
- **d** Basaltic conglomerate

1 LOWER SEDIMENTARY UNIT
- **a** Black siltstone, argillite, shale
- **b** Black wacke, sandstone, limestone

SYMBOLS

- Geological contact (approximate)
- Fault/shear (approximate)
- Bedding
- Foliation
- Anticline,Syncline
- Veins
- Younging

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Figure 4
KITGOLD PROJECT
PROPERTY GEOLOGY
British Columbia
NTS 103P/12

September 1990 XY3

KG215 5
KG214 35
KG213 5
KG222
KG221
KG220 5
2000
2500
3000
3500
4000
4500
5000
5500
Vein system parallel to bedding
638
637 25, 500 ppm Zn 15
636 55
635
0.039 oz/t Au, 12% Zn
634
633
632
631 10
630
629 15
626
627
KG201 10
628
621
622 25
624 10
Quartz vein stockwork photolinear (high gold assays within veins on hanging wall side of system)
?
517
516
518
519
521
520
522 260
529 60
530 80
538 10
537 55
536 15
523 670
524
528
531 10
525 30
532 10
526
535
527
533 130 ppm Mo
534
KG209 5
KG212 10
KG210 10
614 0.134 oz/t Au
613 390
612 50
615 90
609 30
610 0.252 oz/t Au
611 730
608 0.101 oz/t Au
618 10
607 95
605 450
604 130
616 150
606 60
603 0.23 oz/t Au
617 30
619
602 10
601 50
620 0.134 oz/t Au
625 15
501 10
502
623 25
503 0.040 oz/t Au
504 35
506 10
505
507
512
513 70
508 0.051 oz/t Au
511
510 20
509
514
515
KG207 20
KG208 110
541 10, 400 ppm Zn
542
643
642
641
640
639
KG211 15
4000
3500
3000
2500
2000
1500
1000

LEGEND

KG210 ○ Silt sample location and number

501 ● Rock sample location and number (all numbers prefixed by 37)

50 Results in ppb Au unless otherwise noted
Results ≤ 5 ppb Au not plotted on map

0 500 1000
metres

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Figure 5

KITGOLD PROJECT

ROCK and SILT SAMPLE LOCATION MAP

British Columbia
NTS 103P/12

September 1990 XY3