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**1996 DIAMOND DRILLING
REPORT ON
DRILL HOLES KR-96-583, KR-96-584, AND KR-96-585**

ON

**KON 137 (YA90828), KON 308 (YB 34225), AND KON 34 (YA 70945)
MINERAL CLAIMS**

AT THE KETZA RIVER PROPERTY

In The

**WATSON LAKE MINING DISTRICT
YUKON TERRITORY**

**NTS 105 F/9
Latitude 61°32' N Longitude 132°13' W**

AUGUST 21 TO SEPTEMBER 25, 1996

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1.0 INTRODUCTION

YGC Resources Ltd. (YGC) is the owner of the Ketz River mine property consisting of 322 Yukon quartz claims and fractions, 66 of which have been converted to mining leases. The property is located on the headwaters of the Ketz River approximately 80 kilometres by road southeast of Ross River, Yukon Territory (Figure 1).

The property includes a CIP gold mill rated at 320 tonnes per day which processed oxide ores from the Ketz mine from April 1988 to November 1990 when known reserves of oxide ore were depleted. The development and capital costs for the mine and mill in 1987 and 1988 were \$25 million. Total gold production was 100,033 ounces from 340,000 tonnes of oxide ore obtained from eight separate deposits. Average mill through-put was 364 tonnes per day with an average gold recovery of 88.56%. The three main deposits known as the Peel, Ridge and Break-Nuzone produced 85% of the ore from oxide manto replacement deposits. The mill is permitted to process only oxide ore and the known sulphide deposits on the property have not been mined.

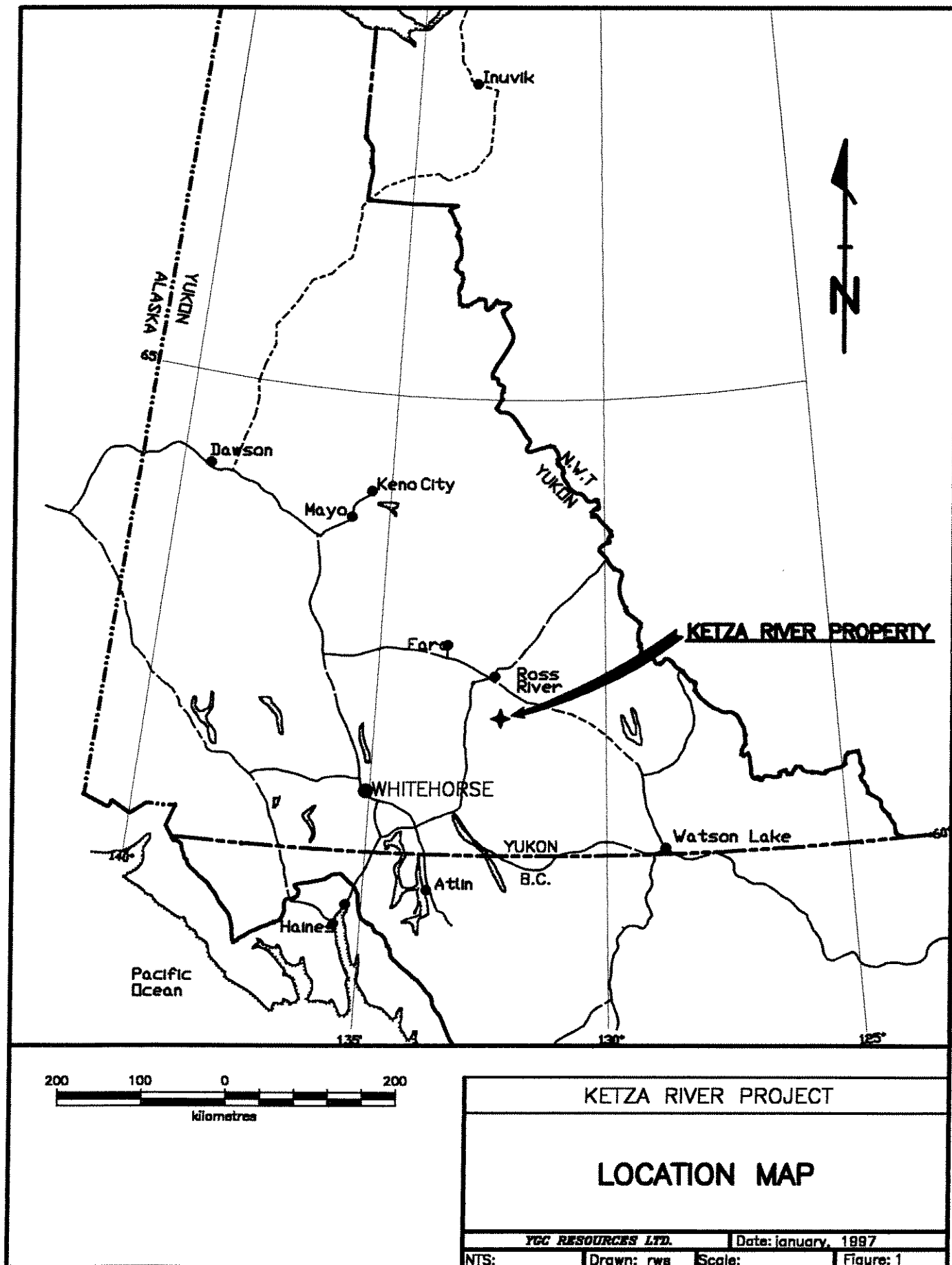
Canamax Resources Inc, the previous operator of the mine, incurred total expenditures of \$ 11.6 million on exploration and feasibility studies beginning in 1984. Exploration summary reports were prepared annually by Canamax describing geophysical ground and airborne surveys, geochemical soil sampling, prospecting, trenching, percussion drilling, reverse circulation drilling, diamond drilling and underground developments.

Since YGC acquired the Ketz River property in 1994 it has expended a total of \$2.18 million on exploration as follows: \$0.52 million in 1994; \$0.76 million in 1995; and \$0.90 million in 1996. Some 11,090 metres of exploration diamond drilling in 107 HQ holes have been carried out on the extensions of mineralized trends, on the peripheries of developed zones and in underexplored anomalous areas. The exploration has been successful, discovering new gold bearing oxide and sulphide mineralization on the property. A summary report on the 1994 and 1995 drilling programs was prepared at the end of the 1995 season.

The 1996 program consisted of 35 widely spaced HQ diamond drill holes totalling 5,567 metres as well as geological mapping, prospecting and sampling a number of other undrilled anomalous zones. This report covers three diamond drill holes on the north end of the Shamrock anomaly specifically KR-96-583, KR-96-584, and KR-96-585.

2.0 SUMMARY

YGC is exploring two general types of gold deposits on the Ketz River property: 1), manto type replacement sulphide/oxide deposits in Lower Cambrian limestones in the Cache Creek valley; and 2), sediment hosted disseminated sulphide and quartz-sulphide fissure vein and stockwork systems in Lower Cambrian sedimentary rocks exposed in the Ketz Uplift.



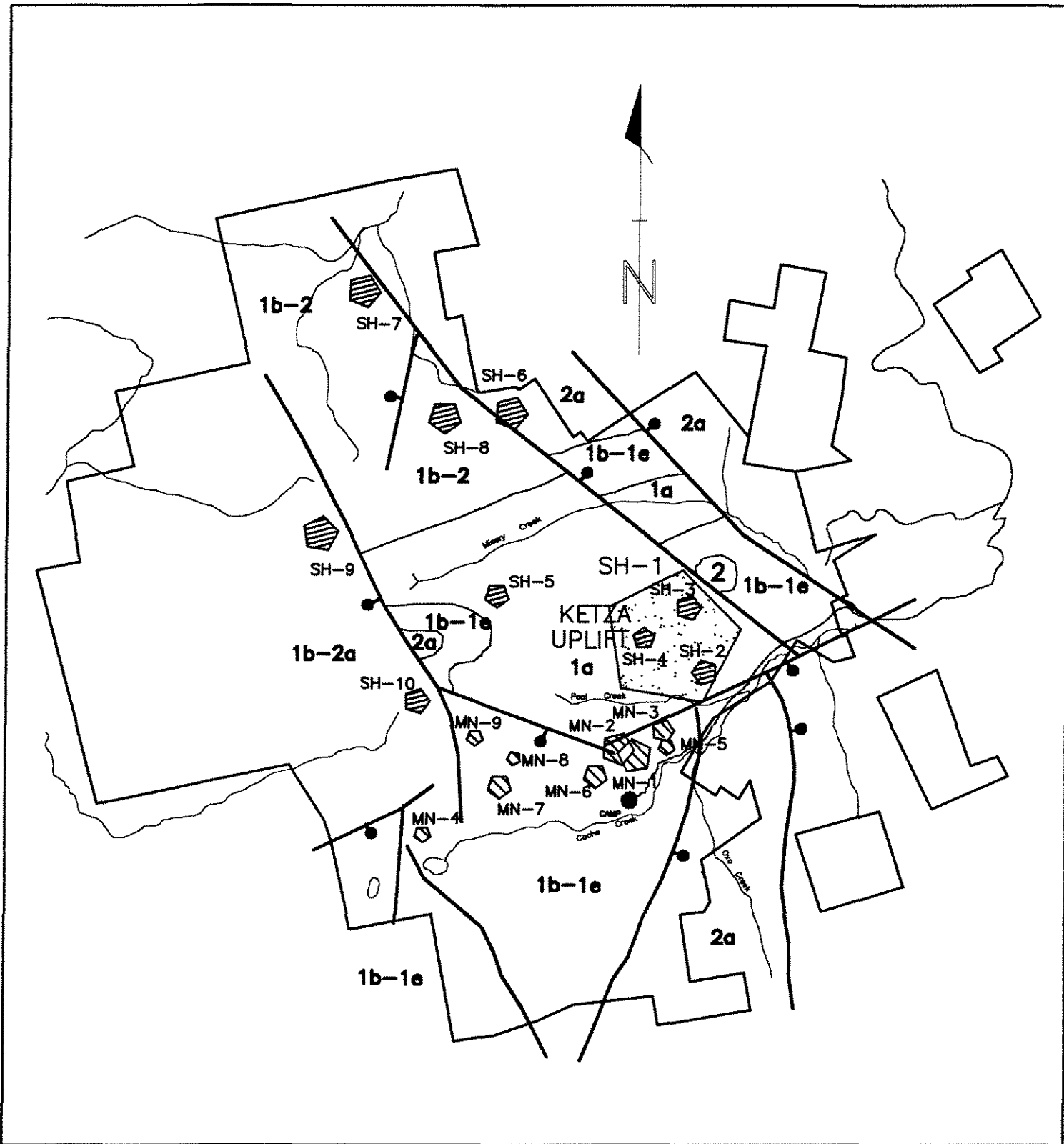
The Shamrock gold geochemical and magnetic target overlying the Ketza Uplift has been partially explored by geological mapping, trenching and diamond drilling. The Ketza uplift is an area of hornfels alteration caused by a buried Cretaceous intrusion as postulated by earlier workers (Parry, et.al.). YGC has expended a total of \$0.57 million on the Shamrock target, all of which was incurred in 1996. The 1996 program included 21 drill holes aggregating 3,613 metres. This drilling by YGC has demonstrated that gold mineralization occurs in multiple zones within Lower Cambrian clastic and carbonate rocks. The structural setting, stratigraphy and mineralogy of the Shamrock zone are consistent with a plutonic related sediment hosted type deposit (Carlin). The Shamrock gold in soil anomaly has not been fully explained and remains as a significant exploration target on the property.

An intensive program of prospecting and mapping carried out in 1996 has demonstrated that the Shamrock stockwork trend continues for at least four kilometres to the northwest and hosts three additional outcropping mineralized zones in the Lower Cambrian sedimentary rocks. The Pass zone, partially drill tested in 1987, contains an estimated 25,000 tonnes grading 3.4 g/t gold in an oxidized quartz breccia vein similar to the QB vein at the Shamrock zone. Assays from surface chip sampling of the Cliff and Lake zones yielded values of up to 5.7 g/t and 4.8 g/t gold respectively. The mapping suggests that there is a second, sub-parallel northwest trending system which connects the Hoodoo - Raven - Fury occurrences two kilometres west of the Shamrock to Lake zone trend.

3.0 RECOMMENDATIONS

A program of definition drilling is recommended for the known Shamrock disseminated and stockwork gold occurrences and initial testing of other regional anomalies such as the Pass, Eileen, Fury, and Lake Zones. The objectives of this program are to test the extent of the known sulphide mineralized occurrences, to assess the potential for high grade sulphide reserves to feed the existing mill, and to outline bulk mineable lower grade mineralization. A program of 6,000 metres of diamond drilling in 38 holes is proposed at an all inclusive estimated cost of \$1.06 million. The following table summarizes the drill targets and proposed drilling.

Lower Shamrock - QB target	
8 drill holes	1600 m
North Face Shamrock	
3 drill holes	600 m
Gully vein	
3 drill holes	450 m
Deep drill hole centre of Ketza Uplift	450 m
Lake/Pass/Eileen/Raven/Fury exploration targets	
15 drill holes	1500 m
Misery Creek Total (38 holes)	6000 m



SELECTED MINERALIZED OCCURRENCES:

MANTO DEPOSITS

MN-1 PEEL OXIDE
 MN-2 RIDGE
 MN-3 BREAK
 MN-4 TARN
 MN-5 FORK
 MN-6 PEEL WEST
 MN-7 LAB
 MN-8 HOODOO
 MN-9 COMET

SEDIMENT HOSTED STOCKWORK

SH-1 SHAMROCK
 SH-2 QB VEIN
 SH-3 3M
 SH-4 GULLY
 SH-5 EILEEN
 SH-6 PASS
 SH-7 LAKE
 SH-8 CLIFF
 SH-9 FURY
 SH-10 RAVEN



KETZA RIVER PROPERTY
 WATSON LAKE MINING DISTRICT

SIMPLIFIED GEOLOGY MAP and SELECTED MINERAL OCCURRENCES

YGC RESOURCES LTD.

Date: JANUARY, 1997

NTS: 105 F Drawn: RWS Scale: AS SHOWN Figure: 2

FOR GEOLOGICAL LEGEND REFER TO TEXT

Geological contact Fault (circle indicates down thrown side)

4.0 PROPERTY DEFINITION

4.1 Location, Infrastructure and Topography

The Ketz River Mine property is located at the headwaters of Cache Creek, a tributary of the Ketz River (Figure 1). The claims are located in the Watson Lake Mining District centred at 61° 32' N and 132° 13' W on NTS map sheet 105 F/9.

The property is accessible by a 40 kilometre all weather road from Km. 323 of the Robert Campbell Highway. The property is approximately 80 kilometres by road from Ross River and 460 kilometres from Whitehorse. YGC maintains an office in Ross River which is a transportation, service, and supply centre providing support for mining and exploration in the region. YGC has implemented a socio-economic agreement with the Ross River Dena First Nation which has offices and facilities in Ross River.

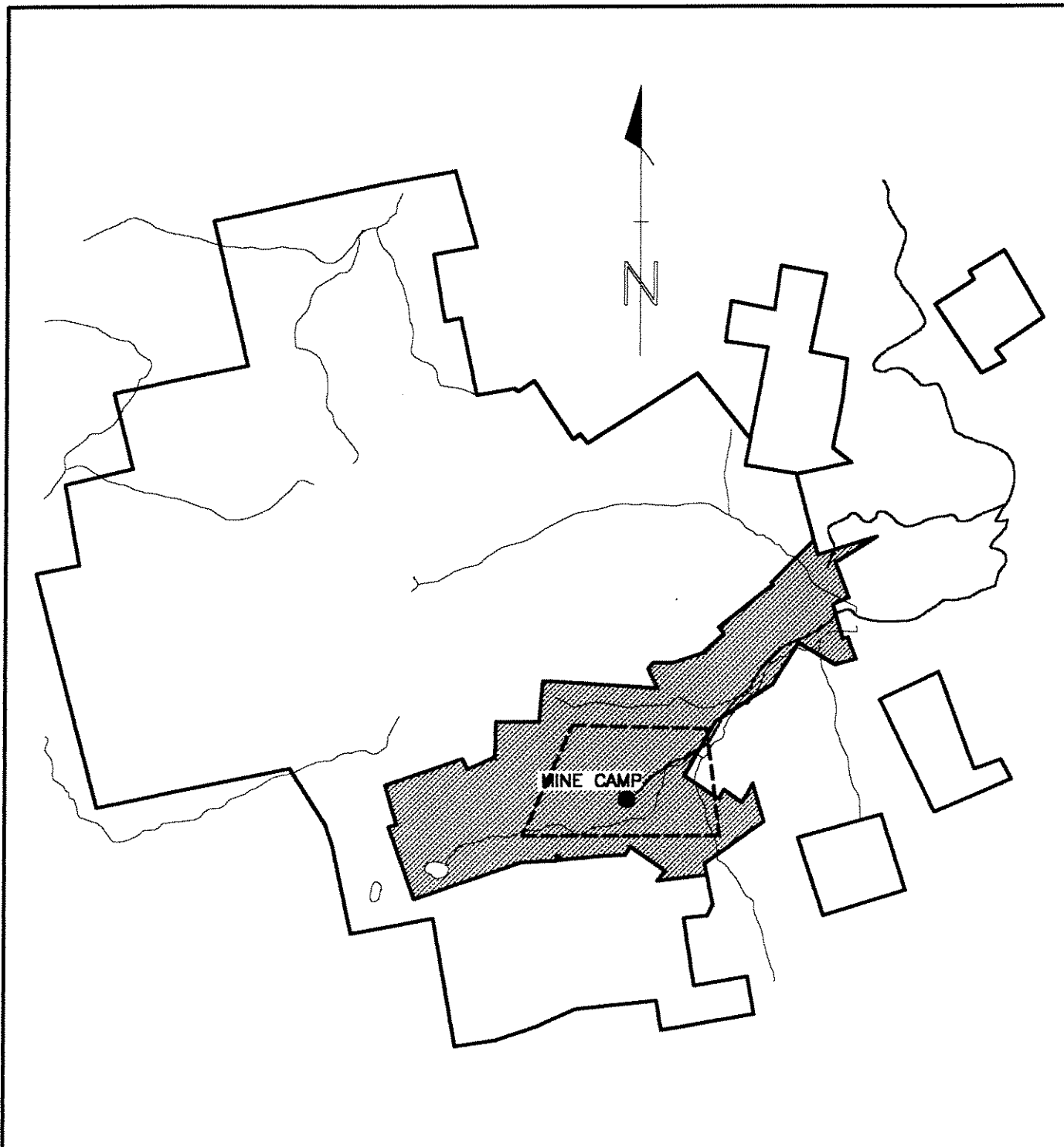
The property is located in mountainous terrain of the Pelly Mountains in south central Yukon. Elevations on the claims range from a low of 1300 metres at the tailings pond to a maximum of 2100 metres on the Misery Creek grid. Seasonal temperatures range from highs of +25° C in summer to - 30° C in the winter months. Summer months especially June have little darkness and winters have short periods of daylight. The exploration season lasts from late May when south slopes become clear of snow until early October. Vegetation consists of dwarf birch, spruce, alder and balsam trees to the treeline elevation at approximately 1600 metres.

Existing infrastructure at Ketz River includes a permitted 320 tonnes/day CIP gold milling facility which operated at 364 tonnes/day and is presently under care and maintenance, a trailer camp, offices and a satellite telephone link. The existing tailings facility has capacity for an additional 525,000 to 700,000 tonnes of tailings.

4.2 Mineral Claims

YGC owns 100 % of the Ketz River mine property which aggregates 14,906 acres and comprises 322 quartz claims and fractions, 66 of which have been taken to lease. Details of the claims and leases are listed in Appendix 2. The majority of the claims are in good standing until between 2002 and 2011 although 11 claims situated outside of the larger claim block have March 21, 1997 expiry dates. YGC also holds a 500 acre surface lease covering the minesite and a water licence governing the mill operation which is valid until December 31, 1998. The outlines of the claim block, mining leases and surface lease are shown in Figure 3.

Wheaton River Minerals Ltd. (WRM), the parent of YGC, holds a 10 % net operating profits royalty on production from ores mined on the Ketz River property. In addition, any ore mined from a property other than Ketz River and processed at Ketz River is subject to a royalty of \$0.75 per tonne payable to WRM.



LEGEND

- | | | | |
|---|--------------------|---|---------------|
|  | YGC CLAIM BOUNDARY |  | CREEK |
|  | MINE LEASES |  | SURFACE LEASE |
|  | ACCESS ROAD | | |



WATSON LAKE MINING DISTRICT

KETZA RIVER PROPERTY CLAIM BOUNDARY LOCATION MAP

YGC RESOURCES LTD. Date: JANUARY, 1997
NTS: 105 F/9 Drawn: JC Scale: 1:60000 Figure: 3

4.3 History

Early explorers travelled into the area via the Pelly River beginning with Robert Campbell in 1843. G.M. Dawson and J.R. Johnson of the Geological Survey of Canada mapped the Pelly River valley in 1888 and 1936. D. Templeman-Kluit, et.al. of the Geological Survey of Canada mapped and compiled the geology of the Quiet Lake and adjoining Finlayson Lake map sheets and released the information in map form as Open File 486 in 1977.

In 1947 prospectors with Hudson Bay Mining and Smelting Company, Limited discovered lead-silver veins in the Ketza River area. Later explorers carried out trenching, road building, diamond drilling and developed exploration adits on the lead-silver veins.

The first Ketza River gold deposits were discovered in 1954 by Conwest Exploration Company, Limited. Conwest explored several occurrences from 1955 until 1960 with trenching and 75 AX diamond drill and packsack holes. A geological reserve of 68,000 tonnes grading 12 g/t gold was reported for the Peel 3 and Peel 3C deposits (now known as the Peel and Ridge zones). The claims were surveyed and taken to lease during this time.

In 1983, Pacific Trans Ocean Resources Ltd. optioned the property from Conwest and carried out limited geochemical and geological surveys before entering into a joint venture with Canamax Resources Inc. in 1984.

In 1984, Canamax (as operator of the joint venture) conducted geological mapping, a 3500 sample soil geochemical (Au-As) soil survey, 102 line kilometre airborne EM-Magnetic survey, rock sampling and 2424 metres of diamond drilling in 59 drill holes at the Peel, Flint, Penguin and Tarn sulphide manto and Ridge oxide zones. The exploration focus shifted from sulphides to oxides with the discovery of the Peel oxide zone and the realization that it and the Ridge zone were connected.

In 1985, Canamax carried out geological mapping, 6158 metres of diamond drilling in 60 holes, 409 metres of underground drifting on the 1510 Level and mining a metallurgical bulk sample from the Peel and Ridge oxide zones. Preliminary geotechnical and environmental studies were completed. The exploration led to the discovery of the QB vein and a reported drill indicated geological reserve of 390,000 tonnes of oxide mineralization in the Peel and Ridge zones grading 0.51 opt (17.48 g/t) gold and a reported sulphide reserve of 470,000 tonnes grading 0.36 opt (12.34 g/t) gold. The Iona Silver property adjoining the east boundary of the Ketza River property was optioned. The Slide Lake property claims immediately north of the Ketza River property were staked.

In 1986, prospecting and trenching led to the discovery of the Break, Gully, 3M and Knoll zones. Canamax conducted 6278 metres of surface diamond drilling in 90 drill holes to infill and expand the Peel zone, and test the Break, QB and 3M showings. Underground exploration included 1200 metres of development headings on the 1550 and 1510 levels followed by 2331 metres of underground definition

drilling in 68 drill holes. New reserves were estimated at 430,000 tonnes of oxide ore in the Peel and Ridge zones grading 18.4 g/t gold and 41,500 tonnes of oxide in the Break zone grading 16.7 g/t gold. A Peel sulphide reserve of 503,000 tonnes grading 9.0 g/t gold was reported. The adjoining High River/Quillo property was optioned.

In February 1987, a feasibility study recommended construction of a 320 tonne per day mill and mine complex at an estimated cost of \$ 21 million. A production decision was made in March 1987, and financing was obtained in October 1987. Exploration in 1987 included a total of 4,990 metres of diamond drilling in 61 holes and 95 reverse circulation drill holes (5,029 metres). The drilling was completed on the Peel fault, Fred's vein, and 3M zone and definition drilling on the Peel zone. The Hoodoo and Eileen oxide zones and the Lab and Raven sulphide zones were discovered. Ground geophysics included 50 km of magnetic and 30 km of HLEM surveys. Soil sampling on 25 metre spacings resulted in 2298 samples for gold analysis. Low altitude aerial photography was carried out over the property.

The mill achieved commercial production in July, 1988. After several months of operation, oxide ore reserves were significantly reduced from feasibility study estimates due to a miscalculation of the bulk density of the oxide ore. In 1988, ground geophysical surveys included 90 km of magnetic and 26 km of VLF. 2310 soil samples were collected and analysed for gold. Diamond drilling on the Lab, Hoodoo, Comet, Knoll, 3M, NW fault, Megawatt, Sue Creek, Penguin, Peel, Break and Nuzone zones totalled 5,549 metres in 70 drill holes (12 u/g holes). Underground drifting of 160 metres on the Nuzone and Break zones was completed followed by 582 metres of underground diamond drilling. The Iona Silver and High River/Quillo options were terminated and sulphide metallurgical investigations were initiated.

Canamax purchased Pacific Trans-Ocean's interest in Ketza River in January 1989. Exploration in 1989 consisted of 36 km of ground magnetic survey, geological mapping and collection of 500 soil samples which led to the discovery of the 1430 East, Tarn and B-Mag oxide zones. Definition diamond drilling was carried out on the Knoll, Tarn, and 1430 East oxide zones and on the Peel East open pit, Peel East underground and Peel West underground and Lab sulphide zones. Preliminary percussion and diamond drilling was also carried out on the Break, B-Mag, Peg-Fury, and Nose zones. Drilling totalled 5,590 metres in 127 diamond drill (7 u/g holes) and 1,215 metres in 79 percussion drill holes in a program which was completed in early 1990. New oxide reserves were identified at the Knoll, Tarn, QB, and 1430 East zones. Metallurgical studies were conducted on sulphide mineralization from several deposits. With oxide reserves rapidly depleting, attention was given to the economic viability of the sulphide deposits.

In 1990, exploration drilling totalled 1,101 metres in nine diamond drill holes on the Flint zone. Fill in definition diamond and percussion drilling was completed during the winter of 1989 - 90 on the sulphide zones in the Peel area: the Peel East open pit; Peel East underground; Peel West underground; and Lab zone. Trenching was carried out on the Penguin and Sauna zones followed by diamond drilling. The mine and mill operations ceased in November 1990 upon depletion of known oxide reserves. Total mineable sulphide reserves were reported to be 175,000 tonnes

grading 11.3 g/t (diluted). Gold recovery from the sulphides of 78.3% was predicted with limited capital additions required to the existing mill. The mill was permitted to treat oxide ore only, and in April 1990 an amended water licence was applied for, to treat sulphide ores. The amended licence was received verbally in June 1991 but due to low gold prices and adverse market and corporate conditions, Canamax did not pursue the amendment.

In 1992, Wheaton River Minerals Ltd. acquired the Ketz River property from Canamax and in 1994 transferred it to YGC Resources Ltd. in exchange for a controlling interest in YGC. The claims outside the minesite area were optioned to Hemlo Gold Mines Inc. from 1993 to 1995. Hemlo carried out soil sampling, magnetic surveys, bulldozer trenching and drilled three diamond drill holes (499 metres) in the Shamrock zone area. YGC conducted diamond drilling in 1994 and 1995 which consisted of 72 HQ diamond drill holes (5622 metres) in the minesite area grid. The program resulted in the discovery of the Chimney and Fork zones.

In 1996 YGC completed 14 HQ holes (1,954 metres) in the minesite area and 21 HQ holes (3,613 metres) at the Shamrock zone.

M.Sc. studies on the property have been carried out by M.S. Cathro in 1990 and J.A. Stavely in 1992. The studies investigated the geology and mineral deposits of the Ketz district or the mineralogy and geochemistry of the Ketz mine deposits. A post graduate investigation is being carried out by A. Fonseca at UBC under the supervision of Dr. J. Mortensen. These studies began in 1996 on the structural geology, stratigraphy, alteration systems, and possible age relationships of mineralization and postulated intrusive activity.

5.0 METALLOGENY

The gold deposits at Ketz River are interpreted to be genetically related to a blind mid-Cretaceous to Tertiary aged stock centred beneath the Ketz Uplift. Steeply dipping faults coeval with uplift and doming during intrusion of this stock are believed to have been the principal ore localizing features. The intersection of stratigraphy, thrust faults, and steep faults control the distribution of the pyrrhotite-arsenopyrite +/- siderite manto and vein showings. The intersecting fault structures formed in response to the doming effects of postulated mid Cretaceous intrusive activity.

The mineralization is epigenetic with deposition occurring as manto type replacement of limestone along fractures or bedding planes or quartz-sulphide veins and vein stockwork zones in brecciated and altered clastic rocks. The style of sulphide emplacement was controlled by the local structural intensity and by the competency and chemical reactivity of the host rocks.

The chemically reactive limestones of Unit 1d are an ideal host for manto replacement mineralization. The average gold grades of the deposits along Cache Creek indicate that the highest grades occur in the deposits closest to the hornfelsing zone enclosing the Ketz Uplift.

Auriferous quartz-sulphide veins and disseminated mineralization intersected in drill holes at the Shamrock target area north of the Peel fault represent potential multiple gold bearing sulphide occurrences in Unit 1a clastic rocks. Gold mineralization was intersected down dip and beneath the QB(Quartz Breccia) vein, with altered and mineralized breccia stock work zones at the 3M occurrence and at the North Face of the Ketza Uplift. Six massive quartz breccia veins containing arsenopyrite-scorodite mineralization occur within a 300 metre broad zone trending northwesterly and apparently extending beyond the margins of the geochemical anomaly. Gold bearing quartz breccia mineralization has been reported on the Ketza River property at the Pass Zone located 2.5 kilometres north of the centre of the Shamrock anomaly.

6.0 REGIONAL GEOLOGICAL SETTING

The Ketza River gold mine is located in the Pelly Mountains of central Yukon. The mountains are made up of a shallow marine miogeoclinal sequence of rocks forming a carbonate platform bounded by the Omenica Tectonic Belt to the southwest and a faulted lobe of the Yukon Tanana Terrane to the northeast across the Tintina Fault. This carbonate platform is the Cassiar Terrane or Pelly-Cassiar Platform. Figure 4 Regional Geology.

The Pelly-Cassiar Platform is a displaced continental margin of the ancient North American continent. Rocks of the Pelly-Cassiar Platform are a continental margin sedimentary sequence of the Rocky Mountain Assemblage composed of Paleozoic aged interbedded carbonate and clastic units. Major deformation events have occurred during a Mesozoic aged arc-continent collision, doming and uplift during intrusion of mid Cretaceous stocks and an estimated 450 kilometres of dextral strike-slip displacement on the Tintina Fault from the Cretaceous to Tertiary periods.

Four significant thrust faults, the McConnell, Porcupine-Seagull, Cloutier, and St. Cyr Thrusts, run parallel to the Tintina fault and dip generally southwest (Abbott, 1986). Thrusting is believed to have occurred during the Late Jurassic and Early Cretaceous. Rocks in the Ketza River District belong to the Cloutier Thrust Sheet which are exposed within a erosional window in the overlying Porcupine-Seagull Thrust Sheet. The window is known as the Ketza-Seagull arch which forms an elongate northwest trending structure probably related to buried Cretaceous intrusions. The intrusions apparently are centred in two local areas which are known as the Ketza Uplift and the Seagull Uplift. Structures in the window are characterized by steeply dipping normal faults.

The Ketza Uplift is situated in the centre of the Ketza River District which Parry et.al. first postulated was caused by a buried intrusion. Supporting evidence has been cited as: the presence of a magnetic anomaly; hornfelsing of sedimentary rocks; and hydrothermal alteration immediately north of the Ketza River gold deposit. The hornfels has been dated by whole rock K-Ar at 101 ± 4 Ma, in the Middle Cretaceous period (Cathro, 1988). The uplift has exposed the oldest rocks of the Clouthier Thrust Sheet which are Lower Cambrian carbonates and older clastic rocks. The rocks surrounding the uplift are Upper Cambrian and younger clastic and carbonate rocks.

LEGEND FIGURE 4

Paleogene

PTk Kamloops Transtensional arc volcanics: rhyolite, basalt

Mid-Cretaceous

mKqc Cassiar Batholith: biotite quartz monzonite and granodiorite

mKg Variably foliated hornblende quartz diorite,
mKqs Selwyn suite: quartz monzonite: granite, granodiorite

mKs South Fork Volcanics: andesite, rhyolite

Devonian-Triassic

DTs Slide Mountain: oceanic volcanics and sediments

TJsa Shale

TJdv Shale

Devonian-Mississippian

DMgm Mink Creek: muscovite granite

DMyp Mariolitic Syenite

DMe Earn Group: chert, shale, chert pebble conglomerate

DMec Volcanics in Pelly Mountains

Cambrian-Devonian

CDrc Limestone, siltstone, argillite

CDr Road River Formation: black shale

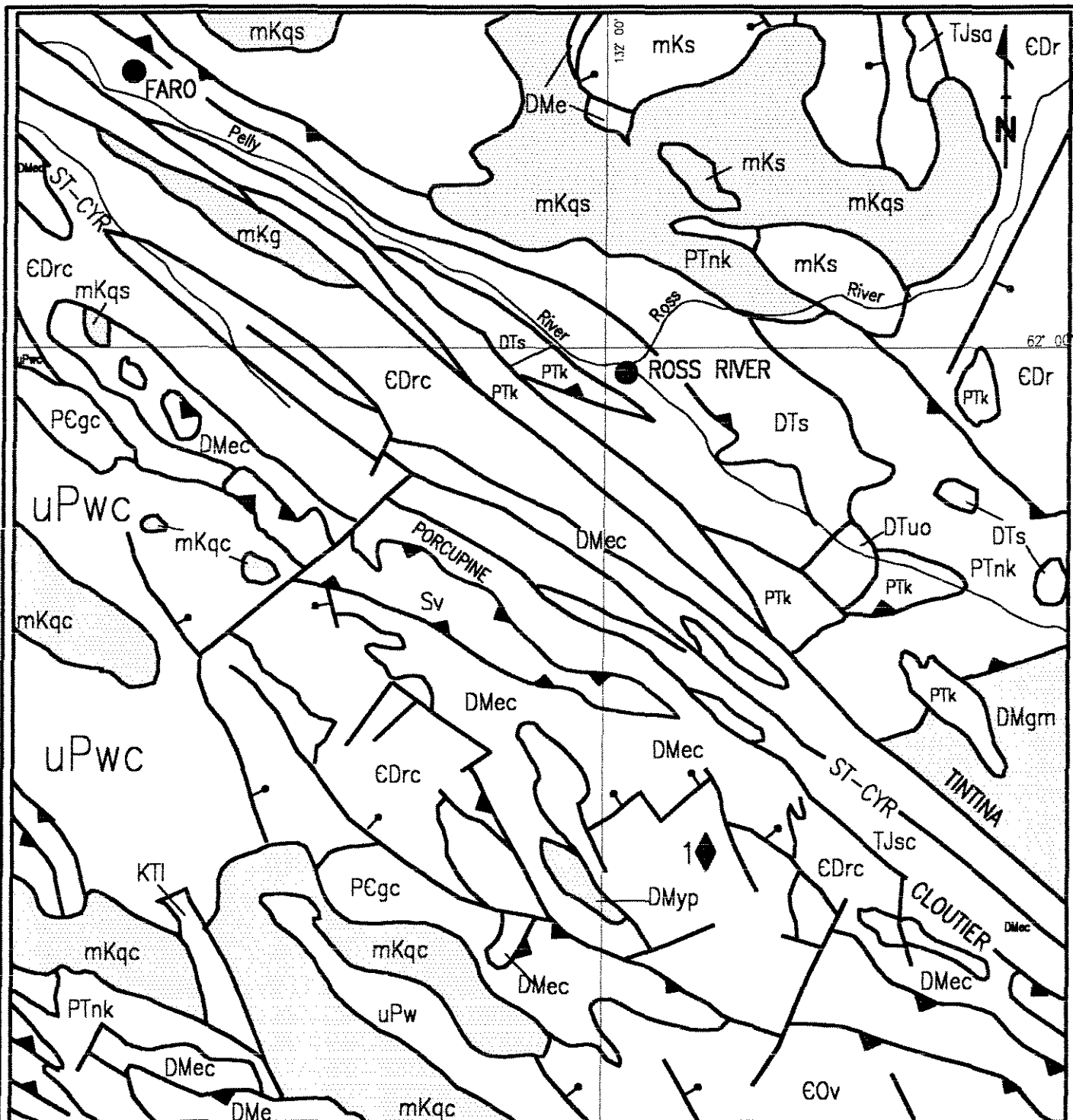
Upper Proterozoic - Triassic

PTnk Nisutlin cataclastic sediments and volcanics

Upper Proterozoic - Lower Cambrian

PCgc Gog Formation: quartzite

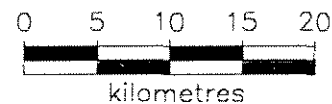
uPw-uPwc Windermere Group: mainly clastic sediments



Legend

-  THRUST FAULT
-  NORMAL FAULT
-  GEOLOGICAL CONTACT

◆ 1 KETZA



KETZA RIVER PROJECT

REGIONAL GEOLOGY

FROM WHEELER & McFEELY 1991

YGC RESOURCES LTD. Date: JANUARY, 1997
NTS: 1:500,000 Drawn: RWS Scale: 1:500,000 Figure: 4

7.0 GEOLOGY AND MINERALIZATION OF THE KETZA RIVER PROPERTY

7.1 Geology

The claims are underlain by Lower Cambrian carbonate and clastic sedimentary rock units. The Lower Cambrian units (Map Units 1a, 1b, 1c, 1d, and 1e) form a conformable series which is unconformably overlain by Late Cambrian black shale (Map Unit 2). The lithostratigraphic succession described below is adopted by previous workers from Read (1980). The simplified geology is outlined on Figure 2.

The oldest rocks are of Unit 1a which is composed of interbedded brown to rusty weathering argillite, phyllite, variably bedded impure siltstone, sandstone, quartzite, limestone and calcareous units. The unit outcrops in the centre of the Ketza Uplift north of the Peel fault which encompasses the Shamrock target.

Unit 1b is a narrow bed (25 to 60 metres) of fossiliferous, well laminated silty limestone which appears to be transitional from the underlying argillite to the overlying phyllitic limestone. The unit does not outcrop on the claims but has been intersected in drill holes.

Unit 1c is a recessive weathering unit of 75 to 105 metres thickness composed of brown to greyish green phyllitic limestone, calcareous mudstone and argillaceous limestone. The upper contact of the unit is gradational with the overlying massive to thick bedded blue grey limestone. The unit outcrops in exposures along Cache Creek above the millsite.

Unit 1d is host to all replacement type manto mineralization on the claims. The lower contact is gradational and arbitrarily defined when the well bedded limestone becomes the major component. The unit is from 120 to 180 metres thick. The limestone is a grey, uniformly bedded, clean limestone with distinctive Archeocyathid fossils (FSLT) occurring near the top of the unit. An internal stratigraphy has been recognized in the minesite area. The internal beds are separated on the basis of textures. Beds of massive fine grained light grey limestone (MSLT), blue fine grained crystalline limestone (BXLt), thin and wispy silt banded limestone (WBN), and silty black limestone (BSLT) are recognizable in drill core and outcrop. The unit is locally dolomitized (DOLT), recrystallized and range weathering near in the vicinity of mineralization. The limestone is resistant and forms prominent cliffs and ridges throughout the region.

Unit 1e is composed of a thin (0 to 50 metres) green mudstone bed which forms a distinctive marker horizon. The unit is locally to pervasively clay or talc altered in the vicinity of mineralization. The mudstone is generally recessive, poorly exposed and often required additional ground support in the underground workings where it formed the hangingwall of the Peel zone.

Unit 2 is composed of carbonaceous to graphite black shale with a well developed slaty cleavage. The thickness of the unit is unknown as the top of the unit

is not exposed on the property. The unit outcrops in the fault bounded panels at the Peel Oxide zone and in the Sue Creek area north of Cache Creek. A discontinuous unit of dull orange weathering dolomite Unit 2a outcrops in the western portion of the property. This is a regional unit mapped by Read (1980) and was not recognized on the property by Canamax mappers.

7.2 Structural Geology

The property is centred on a westward plunging anticline which is cored by the Unit 1a argillite exposed along Peel Creek. The strata are strongly folded with limbs at steep to flat lying attitudes. A later deformation has overprinted the structures and stratigraphy with broad open and drag folds which occur adjacent to thrust faults. A synclinal closure has been mapped in the Peel - Ridge minesite area where mineralized bodies occur on both limbs of the fold. A major synclinal fold with parasitic anticlinal folds has been mapped northwest of the minesite area in the upper plate rocks overlying the Peel thrust fault. Limestone beds of Unit 1d host gold bearing oxides and sulphides at the Hoodoo and Comet zones in the core and on the western limb of a tight anticline.

In the region, the thrust faults are northeast directed with throws of up to 450 metres. The Peel fault is undoubtedly a reactivated thrust fault which pre-dates the block faulting. It is cross cut and offset in the Peel - Ridge fault panel by northwest trending faults. The Peel fault intersects the Ridge zone ore deposit and juxtaposes Lower Cambrian argillite Unit 1a over the Lower Cambrian limestone Unit 1d. The fault has two different orientations changing from steeply dipping east of the Ridge zone to shallow dipping over the Ridge zone and to the west. The fault has been traced westward to the area of the Lab deposit.

The stratigraphy, thrust faults and folds have been disrupted by numerous reverse, normal and strike-slip faults. High angle block faults related to uplift and doming are prominent.

The Ketzia Uplift is composed of block faulted, uplifted and altered Lower Cambrian Unit 1a strata. An apophysis of a mid-Cretaceous stock is postulated to lie beneath the core of the uplift and the Peel Creek anticline. Hornfels in the Unit 1a argillite along Peel Creek and a coincident aeromagnetic anomaly are cited as supporting this hypothesis. The block faulting predates or was contemporaneous with the mineralizing event and the faults acted as conduits for the metal bearing solutions.

7.3 Mineralization

There are two general types of gold deposits on the Ketzia River property: (a) manto type replacement sulphide/oxide deposits, and (b) sediment hosted type disseminated sulphide with quartz-sulphide fissure vein and stockwork systems. The mantos are hosted by favourable limestone beds within deformed limestone south of the Peel Fault. The vein stockwork, disseminated, and silicified sulphide deposits

occur in the Lower Cambrian argillite, phyllite, siltstone, quartzite, limestone and calcareous beds north of the Peel Fault.

Three main oxide manto deposits in the Cache Creek valley were developed and mined by Canamax. The Peel, Ridge and Break zone deposits produced 340,000 tonnes at an average grade of 13 g/t from underground and open pit mines. The deposits consisted of irregular interconnected veins, pods, and tubular bodies separated by barren limestone within a distinctive blue crystalline limestone bed.

Gold bearing quartz-sulphide vein and vein stockwork mineralization is located within the Lower Cambrian well-bedded argillite, phyllite, limestone, quartzite, and calcareous sediments north of the Peel Fault. The mineralized veining in the Shamrock area is widespread within an alteration zone of disseminated pyrite, sericitization or "bleaching" and silicification of well-bedded sedimentary rocks. The alteration zone forms a distinct rusty weathered colour anomaly over a two square kilometre area coincident with a gold in soil anomaly.

The gold mineralization at the Shamrock target occurs with sulphide in quartz breccia veins, vein stockwork, and disseminated in silicified sericite altered clastic and carbonate rich sedimentary rocks. Thick massive quartz breccia veins of up to 30 metres contain abundant sulphide mineralization and scorodite near surface which routinely grade from 0.5 to 2.5 g/t gold. Gold bearing quartz-sulphide vein stockworks occur as anastomosing veins and stringers cross cutting phyllite or angular breccia infilling veinlets in massive quartzite beds. The stockwork type of mineralization locally overlaps the lithological contact between phyllite and massive quartzite. The grades of the stockwork mineralization ranges from 1.76 to 2.36 g/t gold. Silicification occurs with the quartz stockwork veins in all rock types (including calcareous siltstone and limestone) with average grades of 0.5 to 1.5 g/t gold. High grade samples of 9.8 to 15.87 g/t gold occur with stockwork mineralization in the oxidized sections of drill holes while grades of 6.86 and 7.51 g/t gold have been obtained from unoxidized quartz-pyrrhotite-arsenopyrite mineralization.

7.4 Alteration

Silicification, sulphidization, and bleaching is closely associated with quartz-sulphide veins in sedimentary rocks in the Shamrock target. Skarn mineralization associated with the Ketzia uplift has an apparent zoning which requires further evaluation. Epidote hornfelsing appears most wide spread with quartz-sericite enclosing a core of quartz and silicification. Biotite and diopside skarn were most strongly developed in the central portion of the uplift. Skarnoid and hornfelsing is prominent in the drill holes near the top of the hill in the central area of the uplift. These holes did not intersect any significant gold mineralization.

7.5 Mineralized Occurrences at the Shamrock Anomaly

A two square kilometre gold in soil geochemical anomaly coincides with a large magnetic anomaly and a visual colour anomaly in rusty weathering altered and veined mineralized siliclastic and carbonate rocks of Lower Cambrian or Upper Proterozoic

age Figure 5. The area encompasses four small vein and quartz vein stockwork occurrences discovered by Canamax. Minor gold production was achieved in 1990 from oxides in the surface weathered zones of three showings (Gully Vein, QB stockwork, and 3M Zone). The Gully Vein is composed of massive sulphide (pyrrhotite, pyrite, and arsenopyrite in a five metre thick shallow dipping vein. The vein was drilled along 120 metres to a distance of 80 metres down dip. The vein is open in all directions. Gold grades from the massive sulphide average from 1 - 9 g/t. At the QB zone, a 1987 reverse circulation drill hole intersected 105 metres grading 3.77 g/t gold in quartz-sericite-pyrite mineralization below the quartz breccia vein. The shallow dipping vein capping the stockwork zone has a complex morphology and contains high grade gold values in erratic shoots. The 3M zone was drilled in a series of shallow close spaced holes which were unable to explain the extent of high grade gold float located in the down slope talus dispersion train. The float consisted of green scorodite clay with remnant quartz grains and arsenopyrite with gold grades of 93.0 to 994.0 g/t. The Peg/Fury target is highlighted by a very large orange weathered ferricrete deposit on the hillside. Low grade gold values were intersected in the bedrock by percussion drill holes below the ferricrete deposit. The holes encountered narrow gold bearing quartz-arsenopyrite veins and pyritized sediments.

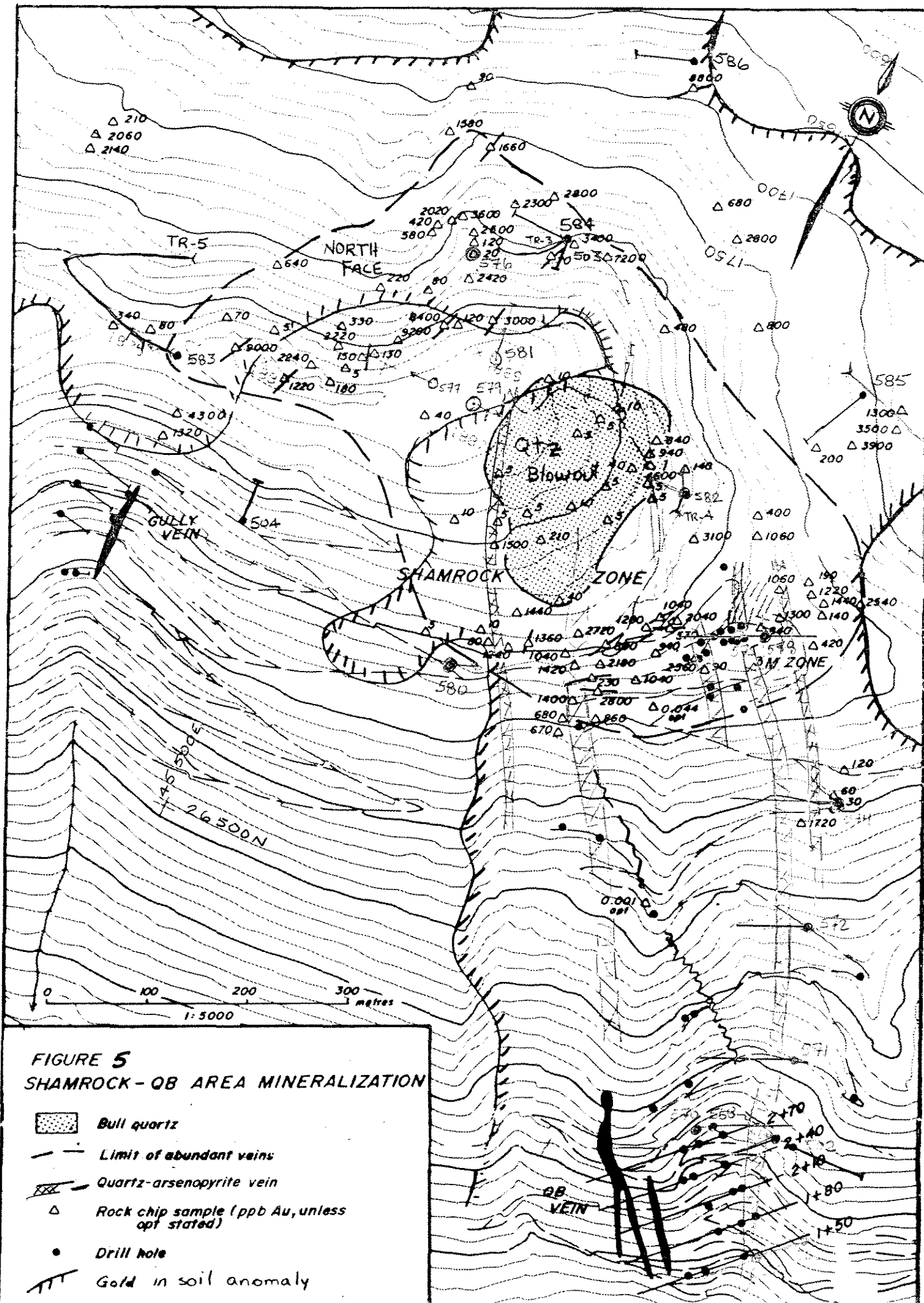
The gold mineralization occurs with sulphide in quartz veins, vein stockwork, and disseminated in sericite altered sediments. Gold bearing quartz-sericite breccia occurs in veins and irregular masses. Alteration is widespread with quartz stringers, silicification, sericitization, pyritization, and argillaceous minerals. A number of drill holes have intersected quartz-sulphide stockwork mineralization in altered sedimentary Unit 1a rocks which contain abundant mineralization within a poorly defined area on the southern lower slope of the Shamrock anomaly.

Diamond drilling followed up with intensive reverse circulation drilling is required to outline the extent of the known mineralization and further test the Shamrock anomaly.

8.0 THE 1996 DIAMOND DRILLING PROGRAM

A three HQ diamond drill holes (567 metres) were completed to test mineralization at the north end of the Shamrock anomaly. The drill hole collars are marked and labelled in the field with painted posts and aluminium tags.

The target area is close to and are readily accessible from the existing network of access and haul roads. Diamond drilling utilized the existing roadways for access and as drill sites in the steep terrain. The Shamrock target encompasses an area of almost two square kilometres where gold mineralization could sub crop. Previous exploration had concentrated on local targets with close-spaced shallow drilling except in one area of notable exception at the southern end of the anomaly.



8.1 Sampling and Assaying

All drill core was visually logged before sampling. The descriptions were entered on prepared log forms using coded entries for lithology, texture, structure and mineralogy. The diamond drill log sheets, rock code descriptions, and cross sections are included in Appendix 3.

All core was sampled on a systematic 1.5 metre sample interval. The core was split for sampling with half the core submitted for assay and the remainder retained for future reference. The retained core is stored on site in core racks at the old exploration camp.

A total of 348 core samples were assayed by Northern Analytical Laboratories Ltd. in Whitehorse, by gold fire assay and AA finish. All gold assay results are reported in the drill log forms in Appendix 3 and copies of the Assay certificates are included in Appendix 4.

8.2 Drill Hole Summary and Results

The mineralized interval, core length intersection, average gold grade in grams per tonne, mineralization type, and zone identifier are tabulated for each drill hole. Drill logs with assays and the descriptive rock codes are included in the Appendix 3.

Drill hole KR-96-583

Drill hole KR-96-583 was drilled to test the northern extension of the Gully Vein with a step out far enough to follow up on gold mineralization discovered in the Hemlo Gold Ltd. trench #5. The drill hole was located at 27+055 N and 45+615 E on the truncated UTM coordinate grid. The hole was drilled grid west, inclined at 70° to a depth of 154.2 metres.

The drill hole intersected interbedded argillite, siltstone, quartzite and carbonate bearing rocks. The drill hole also intersected numerous quartz-sulphide vein stockwork zones and rare thick quartz veins. The best assay results include 2.9 metres grading 0.61 g/t gold in a quartz-pyrrhotite vein at 43.6 metres and 4.5 metres grading 1.70 g/t gold within a mineralized fault zone at 78.0 metres.

Drill hole KR-96-584

Drill hole KR-96-584 was drilled to test the down dip extension of the North Face mineralization intersected in the vertical drill hole KR-96-576. Drill KR-96-576 intersected a 15.5 metre interval of stockwork mineralization which averaged 1.76 g/t gold. KR-96-584 was located to intersect the mineralization approximately 50 metres north of KR-96-576. The collar was located at 27+400 N and 45+630 E on the truncated UTM coordinate grid. The hole was drilled at 65° towards grid west to a depth of 175.9 metres.

The hole intersected interbedded an interbedded sequence of argillite, siltstone, and quartzite. Sulphide mineralization occurs with quartz vein stockwork zones of up to 25 metres in calcareous beds or thick veins of 0.2 to 0.6 metres. Very low grade gold values were obtained quartz-sulphide veins and vein stockwork zones. The best assays were 0.48 g/t and 0.51 g/t gold over 1.5 metre intervals at 88.5 metres and 154.2 metres respectively.

Drill hole KR-96-585

Drill hole KR-96-585 was drilled to test the 3M zone mineralization with a 200 metre down dip step out. Apparent stratiform quartz-sulphide vein stockwork mineralization intersected below the 3M occurrence averages 2.36 g/t gold across 12.0 metres in drill hole KR-96-575. KR-96-585 is located at 27+165 N and 45+960 E on the truncated UTM coordinate grid. The hole was drilled on a bearing of 205° relative to grid north at - 50° to a depth of 206.35 metres.

The drill hole intersected abundant quartz veining within an interbedded sequence of argillite, siltstone, and quartzite. The sequence included hornfelsed and altered calcareous units. Gold assays are very low with the best results grading 0.17 g/t gold in a near surface quartz vein.

8.3 Discussion of Results

Low grade gold bearing quartz-sulphide (pyrrhotite, pyrite, and arsenopyrite) vein, vein stockwork and replacement mineralization was intersected in Lower Cambrian sedimentary rocks within the Shamrock anomaly. Drill hole KR-96-583 intersected an extension of the Gully vein. The down dip extension of the North Face drill target (ddh KR-96-576) was intersected in drill hole KR-96-584 but the gold grades were significantly lesser. The step out from the 3M zone to drill hole KT-96-585 was too great to correlate the geology or mineralization.

9.0 CONCLUSIONS AND RECOMMENDATIONS

In the typical intrusion centred precious metal district, such as postulated at Ketz River, carbonate replacement deposits are fault controlled and located outside and adjacent to the skarn front surrounding the progenitor intrusion. The model for this type of system includes the potential for: porphyry Cu-Au mineralization within the intrusion; Cu-Au skarn deposits at the contact of the intrusion; auriferous and/or base metal carbonate replacement chimneys and mantos outside of the skarn front; and sediment hosted disseminated (Carlin) gold in the distal portion of the district up to several kilometres from the intrusion.

Further drilling to fully define the extent of the mineralized zones tested with these three drill holes is required. The step outs on the drill holes were relatively large for the complex geological setting of the Shamrock anomaly. Closer spaced drill holes are needed to fully understand the distribution and controls on the mineralization.

Gold bearing quartz-sulphide stockwork and replacement mineralization has been intersected in diamond drill holes in four areas within the Shamrock anomaly. Drilling has been recommended to follow up on the QB, 3M, Gully and North Face occurrences on the Shamrock anomaly. A deep drill hole has been proposed to test for porphyry type Cu-Au and proximal auriferous skarnoid mineralization beneath the Ketza Uplift.

A 6,300 metre drill program has been recommended for targets in the Misery Creek area including definition drilling on the Shamrock targets and testing at least five other targets in the area. A budget of \$1.06 million is required to carry out the program.

10.0 LIST OF REFERENCES

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APPENDIX 1

STATEMENT OF QUALIFICATIONS

ROBERT W. STROSHEIN, P. ENG.

I, Robert W. Stroshein of the City of Whitehorse, Yukon Territory, hereby certify that:

1. I am a Professional Engineer registered (No. 1165) as a member of the Association of Professional Engineers of Yukon Territory.
2. I graduated from the University of Saskatchewan at Saskatoon, Saskatchewan in 1973 with a Bachelor of Science Degree in Geological Engineering.
3. I have been actively engaged as an Exploration Geologist in the Mineral Industry in Western Canada since graduation.
4. I have been involved in the exploration of the Ketz River Property since 1994. I planned and supervised the geological aspects of the current program, monitored the contractor's performance and prepared this report on the results of the 1996 diamond drill program.
5. My address is:

26 Liard Road
Whitehorse, Yukon Territory
Y1A 3L4

Signed,



Robert W. Stroshein, P. Eng.

January 7, 1997

APPENDIX 2

LIST OF CLAIMS

KETZA RIVER PROJECT

WATSON LAKE MINING DISTRICT

KETZA RIVER PROPERTY WATSON LAKE M.D.,YUKON NTSW 105 F 9

CLAIM NAME	EXPIRY DATE	RECORD NO	PEND	UNITS	LEASE NO	Acres
** PROPERTY KETZA RIVER						
ANN 2	12/14/2009	71527	A	1	3417	45.62
FRED NO.1 1FR	12/14/2009	Y16372	A	1	3420	1.50
FRED NO.2 2FR	12/14/2009	Y16373	A	1	3421	3.13
FRED NO.3 3FR	12/14/2009	Y16895	A	1	3422	0.36
FRED NO.4 4FR	12/14/2009	Y16896	A	1	3423	11.10
FURY NO.1 1FR	12/14/2009	71077	A	1	3412	53.18
FURY NO.25 25	12/14/2009	69833	A	1	3405	33.49
FURY NO.26 26	12/14/2009	69834	A	1	3406	51.62
FURY NO.27 27	12/14/2009	69835	A	1	3407	40.67
FURY NO.28 28	12/14/2009	69836	A	1	3408	27.93
FURY NO.29 29	12/14/2009	69837	A	1	3409	29.03
FURY NO.30 30	12/14/2009	69838	A	1	3410	35.56
FURY NO.32 32	12/14/2009	69839	A	1	3411	40.00
JAN NO.3 3	12/14/2009	71424	A	1	3413	45.45
JAN NO.4 4	12/14/2009	71425	A	1	3414	20.90
JAN NO.5 5	12/14/2009	71426	A	1	3415	48.83
JAN NO.6 6	12/14/2009	71427	A	1	3416	51.65
KETZA 103	04/14/2002	YB00958	A	1		51.65
KON 1	02/12/2011	YA56473	A	1	3462	46.01
KON 2	02/12/2011	YA56474	A	1	3463	10.60
KON 3	02/03/2011	YA56475	A	1	3464	50.03
KON 4 FR	02/12/2011	YA56476	A	1	3365	43.60
KON 5	02/12/2011	YA56477	A	1	3466	51.50
KON 6	02/12/2011	YA56478	A	1	3467	51.65
KON 7	02/12/2011	YA56479	A	1	3468	45.70
KON 8	02/12/2011	YA56480	A	1	3469	44.10
KON 9	02/12/2011	YA56481	A	1	3470	42.20
KON 10	02/12/2011	YA56482	A	1	3471	41.10
KON 11	02/12/2011	YA56483	A	1	3472	52.10
KON 12	02/12/2011	YA56484	A	1	3473	47.70
KON 13	02/12/2011	YA56485	A	1	3474	51.70
KON 14	02/12/2011	YA56486	A	1	3475	51.70
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KON 16	03/21/2004	YA56488	A	1		51.65
KON 17	03/21/2004	YA56489	A	1		51.65
KON 18	03/21/2004	YA56490	A	1		51.65
KON 19	07/28/2004	YB45994	A	1		51.65
KON 20	07/28/2004	YB45995	A	1		51.65
KON 21	03/21/2004	YA56493	A	1		51.65
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KON 23	02/12/2011	YA70934	A	1	3478	28.60
KON 24	02/12/2011	YA70935	A	1	3479	3.08
KON 25	02/12/2011	YA70936	A	1	3480	30.40
KON 26	02/12/2011	YA70937	A	1	3481	19.40

KETZA RIVER PROPERTY WATSON LAKE M.D.,YUKON NTSW 105 F 9

CLAIM NAME	EXPIRY DATE	RECORD NO	PEND	UNITS	LEASE NO	Acres
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KON 30	03/21/2004	YA70941	A	1		51.65
KON 31	03/21/2004	YA70942	A	1		51.65
KON 32	03/21/2004	YA70943	A	1		51.65
KON 33	03/21/2004	YA70944	A	1		51.65
KON 34	03/21/2004	YA70945	A	1		51.65
KON 45	03/21/2004	YA70956	A	1		51.65
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KON 48	03/21/2004	YA70959	A	1		51.65
KON 49	03/21/2004	YA70960	A	1		51.65
KON 50	03/21/2004	YA70961	A	1		51.65
KON 51	03/21/2004	YA70962	A	1		51.65
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KON 63	03/21/2004	YA70974	A	1		51.65
KON 64	03/21/2004	YA70975	A	1		51.65
KON 65	03/21/2004	YA70976	A	1		51.65
KON 66	03/21/2004	YA70977	A	1		51.65
KON 67	03/21/2004	YA70978	A	1		51.65
KON 68	03/21/2004	YA70979	A	1		51.65
KON 69	03/21/2004	YA70980	A	1		51.65
KON 70	03/21/2004	YA70981	A	1		51.65
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KON 72	03/21/2004	YA71527	A	1		51.65
KON 73	03/21/2002	YA71528	A	1		51.65
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KON 79	03/21/2002	YA71534	A	1		51.65
KON 80	03/21/2002	YA71535	A	1		51.65
KON 81	02/21/2011	YA71536	A	1	3482	11.20

KETZA RIVER PROPERTY WATSON LAKE M.D., YUKON NTSW 105 F 9

CLAIM NAME	EXPIRY DATE	RECORD NO	PEND	UNITS	LEASE NO	Acres
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KON 86	03/21/2003	YA71541	A	1		51.65
KON 87	03/21/2003	YA71542	A	1		51.65
KON 88	03/21/2003	YA71543	A	1		51.65
KON 89	03/21/2003	YA71544	A	1		51.65
KON 90	03/21/2003	YA71545	A	1		51.65
KON 91	03/21/2003	YA71546	A	1		51.65
KON 92	03/21/2003	YA71547	A	1		51.65
KON 93	03/21/2003	YA71548	A	1		51.65
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KON 96	03/21/2003	YA71551	A	1		51.65
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KON 104 FR	02/12/2011	YA90404	A	1	3488	22.00
KON 105FR	10/08/2004	YA90405	A	1		25.00
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KON 108FR	02/12/2011	YA90408	A	1	3490	0.74
KON 109FR	10/08/2000	YA90409	A	1		25.00
KON 110FR	10/08/2004	YA90410	A	1		25.00
KON 111FR	10/08/2001	YA90411	A	1		25.00
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KON 127FR	02/12/2011	YA90427	A	1	3496	14.60
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KON 131FR	02/12/2005	YA90431	A	1		25.00
KON 132FR	03/21/2004	YA90432	A	1		25.00
KON 133FR	08/15/2004	YA91388	A	1		25.00
KON 134	04/14/2004	YA90825	A	1		51.65
KON 134FR	08/15/2004	YA91389	A	1		25.00
KON 135	04/14/2004	YA90826	A	1		51.65
KON 135FR	07/28/2004	YB45996	A	1		25.00
KON 136	04/14/2004	YA90827	A	1		51.65
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KETZA RIVER PROPERTY WATSON LAKE M.D., YUKON NTSW 105 F 9

CLAIM NAME	EXPIRY DATE	RECORD NO	PEND	UNITS	LEASE NO	Acres
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KON 141	04/14/2004	YA90832	A	1		51.65
KON 142	04/14/2004	YA90833	A	1		51.65
KON 143	04/14/2004	YA90834	A	1		51.65
KON 144	04/14/2004	YA90835	A	1		51.65
KON 145	04/14/2004	YA90836	A	1		51.65
KON 146	04/14/2004	YA90837	A	1		51.65
KON 147	04/14/2004	YA90838	A	1		51.65
KON 148	04/14/2004	YA90839	A	1		51.65
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KON 158	04/14/2004	YA90849	A	1		51.65
KON 159	04/14/2004	YA90850	A	1		51.65
KON 160	04/14/2004	YA90851	A	1		51.65
KON 161	04/14/2004	YA90852	A	1		51.65
KON 162	04/14/2004	YA90853	A	1		51.65
KON 163	04/14/2002	YA90854	A	1		51.65
KON 164	04/14/2004	YA90855	A	1		51.65
KON 165	04/14/2002	YA90856	A	1		51.65
KON 166	04/14/2004	YA90857	A	1		51.65
KON 167	04/14/2004	YA90858	A	1		51.65
KON 168	04/14/2004	YA90859	A	1		51.65
KON 169	04/14/2004	YA90860	A	1		51.65
KON 170	04/14/2004	YA90861	A	1		51.65
KON 171	04/14/2004	YA90862	A	1		51.65
KON 172	04/14/2004	YA90863	A	1		51.65
KON 173	04/14/2003	YA90864	A	1		51.65
KON 174	04/14/2001	YA90865	A	1		51.65
KON 175	04/14/2005	YA90866	A	1		51.65
KON 176	04/14/2001	YA90867	A	1		51.65
KON 177	04/14/2005	YA90868	A	1		51.65
KON 178	04/14/2000	YA90869	A	1		51.65
KON 179	04/14/2005	YA90870	A	1		51.65
KON 180	04/14/2004	YA90871	A	1		51.65

KETZA RIVER PROPERTY WATSON LAKE M.D.,YUKON NTSW 105 F 9

CLAIM NAME	EXPIRY DATE	RECORD NO	PEND	LEASE UNITS NO	Acres
KON 181	04/14/2005	YA90872	A	1	51.65
KON 182	04/14/2005	YA90873	A	1	51.65
KON 183	04/14/2005	YA90874	A	1	51.65
KON 184	04/14/2004	YA90875	A	1	51.65
KON 185	04/14/2004	YA90876	A	1	51.65
KON 186	04/14/2004	YA90877	A	1	51.65
KON 187	04/14/2003	YA90878	A	1	51.65
KON 188	04/14/2004	YA90879	A	1	51.65
KON 189	04/14/2004	YA90880	A	1	51.65
KON 190	04/14/2004	YA90881	A	1	51.65
KON 191	04/14/2003	YA90882	A	1	51.65
KON 192	04/14/2003	YA90883	A	1	51.65
KON 193	04/14/2003	YA90884	A	1	51.65
KON 194	04/14/2004	YA90885	A	1	51.65
KON 195	04/14/2004	YA90886	A	1	51.65
KON 196	04/14/2004	YA90887	A	1	51.65
KON 197	04/14/2004	YA90888	A	1	51.65
KON 198	04/14/2004	YA90889	A	1	51.65
KON 199	04/14/2004	YA90890	A	1	51.65
KON 200	04/14/2004	YA90965	A	1	51.65
KON 201	04/14/2004	YA90966	A	1	51.65
KON 202	04/14/2004	YA90967	A	1	51.65
KON 203	04/14/2004	YA90968	A	1	51.65
KON 204	04/14/2004	YA90969	A	1	51.65
KON 205	04/14/2004	YA90970	A	1	51.65
KON 206	04/14/2004	YA90971	A	1	51.65
KON 207	04/14/2004	YA90972	A	1	51.65
KON 208	04/14/2004	YA90973	A	1	51.65
KON 209	04/14/2004	YA90974	A	1	51.65
KON 210	04/14/2004	YA90891	A	1	51.65
KON 211	04/14/2004	YA90892	A	1	51.65
KON 212	04/14/2004	YA90893	A	1	51.65
KON 213	04/14/2004	YA90894	A	1	51.65
KON 214	04/14/2000	YA90895	A	1	51.65
KON 215	04/14/2000	YA90896	A	1	51.65
KON 216	04/14/2004	YA90897	A	1	51.65
KON 217	04/14/2004	YA90898	A	1	51.65
KON 218	04/14/2004	YA90899	A	1	51.65
KON 219	04/14/2004	YA90900	A	1	51.65
KON 220	04/14/2004	YA90901	A	1	51.65
KON 221	04/14/2004	YA90902	A	1	51.65
KON 222	04/14/2004	YA90903	A	1	51.65
KON 223	04/14/2004	YA90904	A	1	51.65
KON 224	04/14/2004	YA90905	A	1	51.65
KON 225	04/14/2004	YA90906	A	1	51.65

KETZA RIVER PROPERTY WATSON LAKE M.D.,YUKON NTSW 105 F 9

CLAIM NAME	EXPIRY DATE	RECORD NO	PEND	LEASE UNITS NO	Acres
KON 226	04/14/2004	YA90907	A	1	51.65
KON 227	04/14/2004	YA90908	A	1	51.65
KON 228	04/14/2004	YA90909	A	1	51.65
KON 229	04/14/2004	YA90910	A	1	51.65
KON 230	04/14/2004	YA90911	A	1	51.65
KON 231	04/14/2004	YA90912	A	1	51.65
KON 232	04/14/2004	YA90913	A	1	51.65
KON 233	04/14/2004	YA90914	A	1	51.65
KON 234	04/14/2004	YA90915	A	1	51.65
KON 235	04/14/2004	YA90916	A	1	51.65
KON 236	04/14/2004	YA90917	A	1	51.65
KON 237	04/14/2004	YA90918	A	1	51.65
KON 238	04/14/2004	YA90919	A	1	51.65
KON 239	04/14/2004	YA90920	A	1	51.65
KON 246	04/14/2004	YA99325	A	1	51.65
KON 247	04/14/2004	YA99326	A	1	51.65
KON 248	04/14/2004	YA99327	A	1	51.65
KON 249	04/14/2004	YA99328	A	1	51.65
KON 250	04/14/2004	YA99329	A	1	51.65
KON 251	04/14/2004	YA99330	A	1	51.65
KON 252	04/14/2004	YA99331	A	1	51.65
KON 253	04/14/2004	YA99332	A	1	51.65
KON 254	04/14/2004	YA99333	A	1	51.65
KON 255	04/14/2004	YA99334	A	1	51.65
KON 256	04/14/2004	YA99335	A	1	51.65
KON 257	04/14/2004	YA99336	A	1	51.65
KON 258	04/14/2004	YA99337	A	1	51.65
KON 259	04/14/2004	YA99338	A	1	51.65
KON 260	04/14/2004	YA99339	A	1	51.65
KON 261	03/21/2004	YA99340	A	1	51.65
KON 262FR	03/21/2004	YB00679	A	1	25.00
KON 263	03/21/2005	YB00680	A	1	51.65
KON 264	03/21/2005	YB00681	A	1	51.65
KON 265	03/21/2004	YB00682	A	1	51.65
KON 266	03/21/2004	YB00683	A	1	51.65
KON 267	03/21/2004	YB00684	A	1	51.65
KON 268	03/21/2004	YB00685	A	1	51.65
KON 269	03/21/2004	YB00686	A	1	51.65
KON 270	03/21/2004	YB00687	A	1	51.65
KON 271	03/21/2004	YB00688	A	1	51.65
KON 272	03/21/1997	YB00957	A	1	51.65
KON 279	03/21/1997	YB01574	A	1	51.65
KON 280	03/21/1997	YB01575	A	1	51.65
KON 281	03/21/1997	YB01576	A	1	51.65
KON 282	03/21/1997	YB01577	A	1	51.65

KETZA RIVER PROPERTY WATSON LAKE M.D.,YUKON NTSW 105 F 9

CLAIM NAME	EXPIRY DATE	RECORD NO	PEND	LEASE UNITS NO	Acres	
KON 293	03/21/1997	YB01588	A	1	51.65	
KON 294	03/21/1997	YB01589	A	1	51.65	
KON 295	03/21/1997	YB01590	A	1	51.65	
KON 296	03/21/1997	YB01591	A	1	51.65	
KON 297	03/21/1997	YB01592	A	1	51.65	
KON 298	03/21/1997	YB01593	A	1	51.65	
KON 305	08/23/2004	YB34222	A	1	51.65	
KON 306	08/23/2004	YB34223	A	1	51.65	
KON 307	08/23/2004	YB34224	A	1	51.65	
KON 308	08/23/2004	YB34225	A	1	51.65	
KON 309	08/23/2004	YB34226	A	1	51.65	
KON 310	08/23/2004	YB34227	A	1	51.65	
KON 311	08/23/2004	YB34228	A	1	51.65	
KON 312	08/23/2004	YB34229	A	1	51.65	
KON 313	08/23/2004	YB34230	A	1	51.65	
KON 314	08/23/2004	YB34231	A	1	51.65	
KON 315	08/23/2004	YB34232	A	1	51.65	
KON 316	08/23/2004	YB34233	A	1	51.65	
KON 317	08/23/2004	YB34234	A	1	51.65	
KON 318	08/23/2004	YB34235	A	1	51.65	
KON 319	08/23/2004	YB34236	A	1	51.65	
KON 320	08/23/2004	YB34237	A	1	51.65	
KON 321FR	08/23/2004	YB34238	A	1	25.00	
KON 322FR	08/23/2004	YB34239	A	1	25.00	
KON 323	08/23/2004	YB34240	A	1	51.65	
KON 324	08/23/2004	YB34241	A	1	51.65	
KON 325	08/23/2004	YB34242	A	1	51.65	
KON 326	08/23/2004	YB34243	A	1	51.65	
KON 327	08/23/2004	YB34244	A	1	51.65	
KON 328	08/23/2004	YB34245	A	1	51.65	
KON 329	08/23/2004	YB34246	A	1	51.65	
KON 330	08/23/2004	YB34247	A	1	51.65	
KON 331	08/23/2004	YB34248	A	1	51.65	
KON 332	08/23/2004	YB34249	A	1	51.65	
KON 333	08/23/2004	YB34250	A	1	51.65	
KON 334	08/23/2004	YB34251	A	1	51.65	
KON 335	08/23/2004	YB34252	A	1	51.65	
KON 336	08/23/2004	YB34253	A	1	51.65	
KON 337	08/23/2004	YB34254	A	1	51.65	
KON 338	08/23/2004	YB34255	A	1	51.65	
KON 339	08/23/2004	YB34256	A	1	51.65	
PEEL NO.1	1	12/14/2009	69368	A	3396	50.12
PEEL NO.2	2	12/14/2009	69369	A	3397	50.12
PEEL NO.3	3	12/14/2009	68370	A	3398	46.96
PEEL NO.4	4	12/14/2009	69371	A	3399	46.97

KETZA RIVER PROPERTY WATSON LAKE M.D.,YUKON NTSW 105 F 9

CLAIM NAME		EXPIRY DATE	RECORD NO	PEND	LEASE UNITS NO	Acres
PEEL NO.5	5	12/14/2009	69372	A	1 3400	51.92
PEEL NO.6	6	12/14/2009	69373	A	1 3401	50.38
PEG NO.17	17	12/14/2009	69488	A	1 3403	47.40
PEG NO.18	18	12/14/2009	69489	A	1 3404	47.40
PENGUIN NO.10	10	12/14/2009	72784	A	1 3418	31.17
PENGUIN NO.4	4	12/14/2009	69367	A	1 3395	51.65
PENGUIN NO.7	7	12/14/2009	69489	A	1 3418	29.30
PIONEER NO.4	4	12/14/2009	69377	A	1 3402	51.65
SURFACE LEASE	0	07/01/1997	105F0900-		0 -0000001	0.00
** Subtotal **						
						322 14906.1
*** Total ***						
						322 14906.1

APPENDIX 3

KETZA RIVER PROJECT

KON CLAIMS

DIAMOND DRILL LOGS

AND

CROSS SECTIONS

FOR DRILL HOLES KR-96-583, KR-96-584, & KR-96-585

Shamrock Diamond Drill Log

Hole No: KR 96 - 583	Grid: SHAMROCK / GULLY	Claim: KON 137	Page 1 of 1
Depth: 153.31 m	Coordinates - Northing: 26915N	Bearing: 270°	Date Started: August 21 / 96
Angle: -65°	- Easting: 45290 E	Elevation: 1874 m	Date Completed: August 23 / 1996
Core Size: HQ	Dip Tests: ACID TEST 67° at	Drilled By: E CARON / SUPER 78	Logged By: N. FIRT

Footage				Structures						Textures				Alteration			Mineralization	Assays															
From {m}	To {m}	Rock Type	Colour	S 1	Core Ang	S 2	Core Ang	S 3	Core Ang	T 1	T 2	S.I. #	Grain Size	qtz cc vns/width	Si	Sul	CO3	Mineral, How, Amount	From {m}	To {m}	Width {m}	Sample No.	Au opt	Au ppb	Rcvry {%}								
0.00	3.65	OVB																															
		— CASING —																															
																		3% limonite on Fract	3.65	5.00	1.35	14966	<0.001		50%								
3.65	18.35	ARG	GN-GY	Fs	45°	UM	60°			Fs	50°	S		8972-94/6				4% limonite on Fract	5.00	6.50	1.50	14967	<0.001		85%								
		strongly foliated Argillite with orange limonite staining of Fract. some sections moderately fractured. several qtz veins with buff colored carbonate and green chlorite? up to 10cm but average 2cm.																1% staining on veins															
																		2% py - sil - in	6.50	8.00	1.50	14968	<0.001		100%								
		occ. green to pink band of QTE BN up to 15cm																stringer 1/2 py - sil - in															
																		5% limonite on Fract	8.00	9.50	1.50	14969	<0.001		30%								
																		veins + on Fract. T - py															
																		3% limonite on Fract	9.50	11.00	1.50	14970	<0.001		95%								
																		2% vein. T - py															
																		2% limonite on Fract	11.00	12.50	1.50	14971	<0.001		100%								
																		fract - sil - in															
																		2% limonite on Fract	12.50	14.00	1.50	14972	<0.001		85%								
																		T - black fine grained carbonate with chlorite?															

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[illegible]

KR 96-583

30F9

Footage		Structures									Textures				Alteration			Mineralization	Assays							
From {m}	To {m}	Rock Type	Colour	S 1	Core Ang	S 2	Core Ang	S 3	Core Ang	T 1	T 2	SI	Grain Size	qtz cc vns/width	Si intensity	Sul	CO3	Mineral, How, Amount	From {m}	To {m}	Width {m}	Sample No.	Au opt	Au ppb	Rcvry %	
29.00	33.10	Q-A-S	GN-WH	BD	65°					BY/6x		S		2 qtz/2%				20% orange limonite w BY, 5% Aspy, 3% py in QTE	27.50	29.00	1.50	14982	0.001		85%	
		INTERBEDDED qtz, QZITE green silty QTE + grey Argillite ~ 20% Arg. occ QTE sulfide up to 1cm, some limonitic staining on Fract (3%) 10cm bw of silicified bx																	2% SCORODITE on Fract, 1% Aspy + py with black carbonaceous in vein Tr dissepo	29.00	30.50	1.50	14983	<0.001		100%
																		2% potpy dis + w stringers to Aspy	30.50	32.00	1.50	14984	<0.001		100%	
33.10	43.60	QSA	BN	BN	68°					BN	7x/4mm	3		10 QTE-cc 5%	ST			1% po dis + stringers 1% po dis	32.00	33.50	1.50	14985	<0.001		100%	
		INTERBEDDED QTE - silty QTE - SLT + Arg. QTE is green to pinkish orange color [w/ FELS?] with BNs up to 50cm, occ grey Arg bry up to 10cm with argon siltstone + silty QTE common. QTE is crystalline. occ QTE - calcite veins up to 1cm Some QTE thinly banded.																	2% po dis + in vein Tr py.	33.50	35.00	1.50	14986	<0.001		100%
																		36.00m; 1cm qtz calcite vein semi = to core	35.00	36.50	1.50	14987	<0.001		100%	
																		42.70-43.20m: calcite rich QTE BN (possible silicified LST) 42.50-42.70m: 1.5cm carbonate vein (calcite + buff carb) semi = to core	1% po dis, Tr py + Aspy in QTE - calcite vein	36.50	38.00	1.50	14988	<0.001		100%
																		1% potpy dis 2% limonite on Fract	38.00	39.50	1.50	14989	<0.001		100%	
																		Tr dis po + py	39.50	41.00	1.50	14990	<0.001		85%	
																		2% py in stringers + dis	41.00	42.50	1.50	14991	0.001		100%	
																		1% py in bry vein + dis	42.50	43.60	1.10	14992	<0.001		100%	

KR96-583

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Footage		Rock Type	Colour	Structures						Textures				Alteration			Mineralization Mineral, How, Amount	Assays							
From (m)	To (m)			S 1	Core Ang	S 2	Core Ang	S 3	Core Ang	T 1	T 2	S.I. #	Grain Size	qtz cc vns/width	Si	Sul		CO3	From (m)	To (m)	Width (m)	Sample No.	Au opt	Au ppb	Rcvry (%)
43.60	45.10	MASSIVE SULFIDE		H.W.	60°	FW	15°			MS	OX	4		1 qtz		I		20% po, 20% Aspy	43.60	45.10	1.50	14993	0.027		100%
		~60% MASSIVE SULFIDE (po + py) in qtz vein + Breccia.															5% py, 2% cpy, in	bx + vein	+ 5% black carbon?						
		Brecciated qtz vein (20% qz frags) in top 2cm with po + py + Aspy + cpy. Below this is Argillite Fragments in MASSIVE SULFIDE MATRIX [po + py + Aspy]															5% py in bx + in	45.10	46.50	1.40	14994	0.008		90%	
		with some purple - green iridescent film.															Stringers + disc. Tr Aspy								
		Bottom 50cm consists of black carbonaceous material + sulfides																							
		[MSRP - BRX] ← style															5% py, 1% Aspy, in	46.50	48.00	1.50	14995	0.001		100%	
																	po, 1% black carbonaceous material in stringers								
45.10	53.60	qtz-arg	PR-GM	bxw	20-25°	BN	65°			BR	XL	3				M		+ veins							
		INTERBLOBBED silty qtz qtz and ARG-SLT MODERATELY OXIDIZED (orange stained) and brecciated. brecciated bxs up to 30cm with large Argillite clasts and sulfide matrix. some qtz is light grey + crystalline.															4% py, 3% Aspy	48.00	49.50	1.50	14996	0.001		100%	
		silty qtz is green. Arg + SLT is orange - purple to red colored.															3% po with black carbonaceous material in veins, stringers + bx.								
																	4% py, 1% Aspy	49.50	51.00	1.50	14997	0.001		100%	
																	1% po, 3% black carbonaceous material in bx + stringers								
																	3% py, 2% Aspy	51.00	52.50	1.50	14998	0.001		100%	
																	1% po, 3% black carbonaceous material in bx								
53.60	62.70	SLT	GY-GM	Fo	55°	BN	70°	VN	65-75°	PH	THIN	4		12-15% W				veins							
		qtz to argillite transition. Argillite and QUARTZ in bedding is folded + foliated (Foliation is axial, planar to folios). 50% of ore is planar in Argillite. one bx of argillite. Transition qtz from 57.50 - 58.50m															5% limonite, 3% py	53.50	54.00	1.50	14999	0.001		100%	
																	1% po + Aspy, 1% carbon in bx								
		Several qtz veins + qtz carbonate veins up to 20cm (buff carbonate)															5% limonite + Feox	54.00	55.50	1.50	15000	0.001		100%	
		Some chlorite in qtz veins + some sulfide.															in veins 3% pyrite								
		15% overall limonite oxidation.															veins, Tr po + Aspy								
		57.50m 1cm Aspy vein at 15° K vein is cut by qtz carbonate vein at 50° K															1% disc po, 2% py	55.50	57.00	1.50	15001	0.001		100%	
																	in veins (with chlorite) 2% limonite in vein								

METRES	ROCK	STRUCT	STRUCTURES			TEXTURE		VEIN	STYLE	ALTERATION		SULPHIDES				OXIDE MINERALS			ASSAYS							
FROM	TYPE	INT	S1	S2	S3	T1	T2	INFO	ALT	SIL	CARB	PO	How	ASPY	How	OX	OX	OX	FROM	TO	WIDTH	SAMPLE	Au	RCVRY		
TO	SOX	COLOUR	CA	CA	CA	T3	T4	no, type, %	TYPE	SER	CLAY	PY	How	CPY	How	MIN 1	MIN 2	MIN 3	{m}	{m}	{m}	NO.	opt/ppb	{%}		
														5%	VN -	limonite 5%				57.00	58.50	1.50	15002	<0.001	100%	
												3%	VN													
												1%	dio	Tr	dio	limonite 2%				58.50	60.00	1.50	15007	<0.001	100%	
												5%	VN/dio							Possibly 1.2% calc. + 1% Fe						
												1%	Fract	1%	Fract					60.00	61.50	1.50	15004	0.001	100%	
62.70	ARG	5%	Fo	VNS		Fo		Sqz-carb				5%	VNS/Fract			2%				Fract + 50% +						
66.15		Green	55°	75°				5%	Foliation	2%										61.50	63.00	1.50	15005	0.005	95%	
Green altered Argillite with strong foliation + some chlorite (white)												5%	VNS/ser			2%										
occ Qtz-carb vein up to 4cm (buff to rusty carbonate)												1%	dio					limonite 5%			63.00	64.50	1.50	15006	<0.001	85%
Veins are partially brecciated and have some chlorite												Tr	VNS													
																			64.50	66.00	1.50	15007	<0.001	100%		
												Tr	VNS													
												2%	dio							66.00	67.50	1.50	15008	<0.001	100%	
												Tr	dio							Possibly 1.2% calc. + 1% Fe						
												2%	dio	Tr	dio					67.50	69.00	1.50	15009	<0.001	100%	
66.15	CSLT	3	Fo	BR		BR	PH				4	Tr	dio													
73.50		GN-GY	45°	55°		Fo						1%	dio/ser			3% Lp				69.00	70.50	1.50	15010	<0.001	100%	
INTERBEDDED green siltstone - green - gray Argillite and gray calcareous siltstone, one or of calcareous siltstone between 66.80m - 67.50m												1%	dio/ser													
BR < 5° near vein - a bright change to 40° through rest of section												Tr	ser													
73.50	MS-SW	5	Fo	BR				5 Qtz	BRX	mo		1%	dio							72.00	73.50	1.50	15012	<0.001	100%	
77.75		Green	40°	60°				10%	SWK	20% Fo		2%	ser													
grey siltstone Argillite siltstone with occasional silty DE veins partially brecciated up to 10cm wide. Areciated stringers and silification												2%	VNS/VN					2% Lp			73.50	75.00	1.50	15013	<0.001	100%
envelope												7%	VNS/VN	Tr	VN											
												5%	VNS/ser			2% C	5% Lm			75.00	76.50	1.50	15014	0.002	100%	
												2%	dio/VNS							Possibly 1.2% calc. + 1% Fe						
												3%	VNS			Tr C				76.50	78.00	1.50	15015	<0.001	95%	

METRES		ROCK	STRUCT	STRUCTURES			TEXTURE		VEIN	STYLE	ALTERATION	SULPHIDES				OXIDE MINERALS			ASSAYS							
FROM	TYPE	INT	S1	S2	S3	T1	T2	INFO	ALT	SIL	CARB	PO	How	ASPY	How	OX	OX	OX	FROM	TO	WIDTH	SAMPLE	Au	RCVRY		
TO	SOX	COLOUR	CA	CA	CA	T3	T4	no, type, %	TYPE	SER	CLAY	PY	How	CPY	How	MIN 1	MIN 2	MIN 3	{m}	{m}	{m}	NO.	opt/ppb	{%}		
77.75	FLT zone	B	BN			Bx	VNS	3QTZ-SUL	QB	4	2	4%	vr	5%	vr	3% C			78.00	79.50	1.50	15016	0.053	95%		
84.33			30°			XL		30%		5% dis		2%	vr			3% C										
Highly to moderately Fractured Section (Fault) with whole core picked up to 20cm in between fract core. - At least 3 QTZ veins up to 60cm with Abundant Sulphides (Aspy Py + Po), Quartzite and silicified siltstone comprise the rest of section. Qtz is XL.												5%	vr	3%	vr	3% C			79.50	81.00	1.50	15017	0.035	95%		
												3%	vr/Fad	1%	vr	3% C										
												4%	Aspy	Tr	vr	1% C			81.00	82.50	1.50	15018	0.061	65%		
												2%	String	Tr	String	1% C										
												2%	Aspy						82.50	84.00	1.50	15019	0.001	95%		
ONE 10cm BN of calcareous crystalline QTE with py dis at ~ 81.20m												Tr	String			Tr-C										
																			84.00	85.50	1.50	15020	0.004	98%		
												4%	String													
84.33	QTE	Z	BN			XL	Stn	4 QTZ	BRX			3%	vr						85.50	87.00	1.50	15021	0.010	80%		
86.80		gn-gy	15°					2%		10% dis		3%	String			Tr-C										
PARTIALY oxidized + Altered QTE with Qtz-pyrite veins + stringers to 1cm												1%	dis			Tr-C			87.00	88.50	1.50	15022	0.007	100%		
												2%	String			Tr-C										
85.60m: 8cm Po and Pb vein AT 75°F												2%	dis			Tr-C			88.50	90.00	1.50	15027	<0.001	100%		
86.80	SLT	4	BN	Fo	VR			5cc-QTE			1	1%	dis													
92.15	irreg.	Green	50°	40°	80°			5%				2%	dis						90.00	91.50	1.50	15024	<0.001	100%		
Green siltstone defined with some bre of Arg and occ br of green QTE up to 15cm. several calcite-QTE veins up to 5cm some bx												1%	dis/w													
												2%	dis			1% LM			91.50	93.00	1.50	15025	<0.001	100%		
																vr										
92.15	2-2.5m	5	Fo			Vy		5QTZ			3	1%	dis			2% LM			93.00	94.50	1.50	15026	<0.001	100%		
94.95		30cm	40°					8%		1% F		2%	vr/dis			vr										
Highly Fractured green siltstone - QTE and Argillite with Abundant Pyrite + vuggy Qtz-carbonate veins + bx veins up to 15cm												3%	dis			Tr-LM			94.50	96.00	1.50	15027	<0.001	100%		
40cm crystalline silicified calcareous rich (greenish) QTE at F.W.												1%	dis/w													
												2%	dis			Tr-LM			96.00	97.50	1.50	15028	<0.001	100%		
94.95	ARC	3	Fo			Fo	PH	1 QTZ			1															
101.00		gn-gy-BN	45-20°					5%		5% As		1%	dis			3% LM			97.50	99.00	1.50	15029	0.001	100%		
Altered + silicified grey to green Argillite. QTE-carb (buff-orange carbonate) vein on E side of core at 99.10m with 10cm alt halo												2%	dis													
A green-grey silicified Arg. some oxidation along foliation plus some chlorite. MCH staining.												3%	dis/st													

METRES	ROCK	STRUCT	STRUCTURES			TEXTURE		VEIN	STYLE	ALTERATION		SULPHIDES				OXIDE MINERALS			ASSAYS					
FROM	TYPE	INT	S1	S2	S3	T1	T2	INFO	ALT	SIL	CARB	PO	How	ASPY	How	OX	OX	OX	FROM	TO	WIDTH	SAMPLE	Au	RCVRY
TO	SOX	COLOUR	CA	CA	CA	T3	T4	no.type.%	TYPE	SER	CLAY	PY	How	CPY	How	MIN 1	MIN 2	MIN 3	{m}	{m}	{m}	NO.	opt/ppb	{%}
101.00		Z	BN							ST	3	1%	dis						100.50	102.00	1.50	15031	<0.001	100%
104.50	EQSA	gy-gr	35°									1%	dis											
green-grey silicified siltstone + Arg + QTE. Light grey to pink crystalline calcareous and silicified BMS up to 15cm [silicified UT??]												2%	dis						102.00	103.50	1.50	15032	<0.001	100%
occ calcite stringers												1%	dis						103.50	105.00	1.50	15033	<0.001	100%
104.50	VEIN	I	UP			DX	ms	100-cc	BX	ST	3	1%	dis											
104.90		white	35°					90%				2%	dis					2% LN Fract	105.00	106.50	1.50	15034	<0.001	100%
QTE calcite veins + 15cm QTE core to vein with calcite fill + brecciated rim												1%	dis						some no cubes					
												3%	dis						106.50	108.00	1.50	15035	<0.001	100%
109.80	EQSA	Z	BN	FO		XL	BM	6cc-QTE		4	3-4	2%	dis						108.00	109.50	1.50	15036	<0.001	100%
123.35		gn-gy	50°	60°				2%	Fract	2%	dis	Tr	dis											
INTERBEDDED calcareous, grey silty clay BMS. Light grey to grey calcareous, crystalline and silicified BMS (usually BN) with thin veins												1%	dis						109.50	111.00	1.50	15037	<0.001	90%
upto 1.5m comprise ~ 40% of section [silicified LST??/calc. QTE?]												1%	dis					2% LN Fract	111.00	112.50	1.50	15038	<0.001	100%
												1%	dis						112.50	114.00	1.50	15039	<0.001	100%
green silty QTE and SILT interbedded with green to black Argillite makes up rest of section. siltstone + Arg. BMS and deformed (possibly soft sediment deformation)												Tr	dis						114.00	115.50	1.50	15040	<0.001	100%
												1%	dis						115.50	117.00	1.50	15041	<0.001	100%
occ calcite + calcite QTE veins + stringers up to 2cm												1%	dis						117.00	118.50	1.50	15042	<0.001	100%
												1%	dis						118.50	120.00	1.50	15043	<0.001	100%
												2%	dis	Tr	dis	1% LN Fract			120.00	121.50	1.50	15044	<0.001	100%
												2%	dis	Tr	dis	1% LN Fract			silicified LST.					
												2%	dis	Tr	dis	1% LN Fract			121.50	123.00	1.50	15045	<0.001	100%

METRES		ROCK	STRUCT	STRUCTURES			TEXTURE		VEIN	STYLE	ALTERATION		SULPHIDES				OXIDE MINERALS			ASSAYS										
FROM	TYPE	INT	S1	S2	S3	T1	T2	INFO	ALT	SIL	CARB	PO	How	ASPY	How	OX	OX	OX	FROM	TO	WIDTH	SAMPLE	Au	RCVRY						
TO	SOX	COLOUR	CA	CA	CA	T3	T4	no, type, %	TYPE	SER	CLAY	PY	How	CPY	How	MIN 1	MIN 2	MIN 3	{m}	{m}	{m}	NO.	opt/ppb	{%}						
123.35	Q VELN	4	VM			MS		1 QTZ 90%		4	1	2%	dis/vn		-				123.00	124.50	1.50	15046	<0.001	100%						
124.90		white	65°								1-2	Tr	dis						Hit at center of po dissemination											
80cm QTZ VELN at 65°K with smaller veins in F.W.												1%	dis			1% LM Fract			124.50	126.00	1.50	15047	<0.001	100%						
20% chlorite, 15% buff to cream colored carbonate 5% argy												Tr	dis/str																	
phyllitic clasts 1-2% po. QTZ VELN is milky white												1%	dis			1% LM vuggy serp.							126.00	127.50	1.50	15048	<0.001	100%		
some clay alteration in F.W. of vein																														
												2%	dis			4%			127.50	129.00	1.50	15049	<0.001	95%						
												1%	dis			0-2 clay			Py as diss cubes											
												3%	dis/vn						129.00	130.50	1.50	15050	<0.001	100%						
												Tr	dis																	
124.90	CSAQ	4	BN	FO		BN		5qtz/qa		3	3	3%	dis/vn						130.50	132.00	1.50	15051	<0.001	100%						
137.60		GN-GY	50°	55°				5-10%		2% F	1	2%	str/dis																	
Dark gray to green Anorthite + sillimanite (45%) interbedded with												3%	dis							132.00	133.50	1.50	15052	<0.001	100%					
light gray to green silicified, crystalline & calcareous sections												1%	dis																	
(silicified Lst?) up to 1m (30%) also green silty quartzite (5%)												3%	dis		2%	vn				133.50	135.00	1.50	15053	0.001	100%					
												3%	vn/dis						some ASPY + py diss around ASPY + py vein											
												2%	dis			2% LM Fract			135.00	136.50	1.50	15054	0.001	90%						
occ Qtz - calc. + Qtz - carbonate up to 25 cm.												2%	dis																	
127.50 - 128.30m, several highly fractured interbed with green to brown												3%	dis		5%	vn/dis	TRSc			136.50	138.00	1.50	15055	0.001	100%					
clay alteration between whole core parcel												3%	dis/vn				Fract													
130.35m - 132.75m - brecciated Qtz - carb. vein with grey phyllite +																														
chlorite 20% po. at 65-70°K. Calcite to cream carbonate																														
134.20m: 1m calcite - calc. (ASMA) vein at 20°K																														
137.60m: 8cm Qtz vein with 25% ASPY + 5-10% py. at 40-55°K																														
at F.W. contact with ARGILL.																														

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Shamrock Diamond Drill Log

Hole No: KR96-584				Grid: SHAMROCK / NORTH FACE				Claim: KON 308				Page 1 of 10																		
Depth: 175.87m				Coordinates - Northing: 27 400				Bearing: 270° AZIMUTH				Date Started: SEPT. 15/1996																		
Angle: -65°				- Easting: 45 630				Elevation: 1810 m				Date Completed: SEPT. 19/1996																		
Core Size: HQ				Dip Tests: Acid test 16Tm / 67°				Drilled By: E. CARON / VALDOCK				Loaded By:																		
METRES		ROCK	STRUCT	STRUCTURES			TEXTURE		VEIN	STYLE	ALTERATION			SULPHIDES			OXIDE MINERALS			ASSAYS										
FROM	TO	TYPE	INT	S1	S2	S3	T1	T2	INFO	ALT	SIL	CARB	PO	How	ASPY	How	OX	OX	OX	FROM	TO	WIDTH	SAMPLE	Au	RCVRY					
		SOX	COLOUR	CA	CA	CA	T3	T4	no type %	TYPE	SER	CLAY	PY	How	CPY	How	MIN 1	MIN 2	MIN 3	(m)	(m)	(m)	NO	001/cdb	(%)					
0.00	3.00	SOX	COLOUR	CA	CA	CA	T3	T4	no type %	TYPE	SER	CLAY	PY	How	CPY	How	MIN 1	MIN 2	MIN 3											
																					3.00	4.50	1.50	17751	20.001	100%				
																					occ. py bleb in Arg - SLT									
																					4.50	6.00	1.50	17752	20.001	100%				
3.00	5.00	SEA	5	BN	CCVN		BN		3% 92/cc		2	1					5% LM	Tr C												
																					occ. py bleb in Arg - SLT									
5.00	6.00	MOD	30-40%	62	25				3%			1	Tr	dis			3% LM	Fr/V	Tr C											
																					6.00	7.50	1.50	17753	20.001	85%				
																					grey-green silty QTE, SLT with 10 BN of Argillite. Partially silicified									
																					Fractured with orange limonite - staining on Fracts + occ limonitic clay									
																					BN, massive white-vuggy - limonitic QTY vein Frags up to 5cm at 3.00m									

METRES	ROCK	STRUCT	STRUCTURES			TEXTURE		VEIN	STYLE	ALTERATION		SULPHIDES				OXIDE MINERALS			ASSAYS					
FROM	TYPE	INT	S1	S2	S3	T1	T2	INFO	ALT	SIL	CARB	PO	How	ASPY	How	OX	OX	OX	FROM	TO	WIDTH	SAMPLE	Au	RCVRY
TO	SOX	COLOUR	CA	CA	CA	T3	T4	no.type %	TYPE	SER	CLAY	PY	How	CPY	How	MIN 1	MIN 2	MIN 3	(m)	(m)	(m)	NO	oot/pob	(%)
14.90	SALD	6	BM	Fo	-	BM	PH	3 QZ		2		1%	dis		-	1% Lm			15.00	16.50	1.50	17759	<0.001	90%
16.60	Strong	grn-pur	65	60		Fr		2%		Fl	1					1% Lm								
INTERBEDDED SLT-QTE-ARC with AHarp purple-orange color (hematite?) MOD FRACTURED OCC clay on Fract + LM																								
												10%	dis			4% Lm			16.50	18.00	1.50	17760	<0.001	95%
16.60	FLT/GRS	7	Fo	BM		Bx	Fr	2-3 QZ	FLT	3		7%	dis											
18.65	MOD	gy-or-wh	60	60		PH		10%		10% Fl	2	3%	dis/vn			2% Lm	4% C		18.00	19.50	1.50	17761	<0.001	95%
Fract + clay (altered) siltstone / QTE + Arg some INTERSEDIMENTARY blanchard + silicified sections (white) with ABUNDANT SERICITE (pale green) yellow-green - more clay alt. with Lm on Fract. Fractured QTS veins																								
18.65	C SALD	4	BM	Fo	VNS	BM	PH	4 QZ		2	3	1%	dis			2% Lm			21.00	22.50	1.50	17763	<0.001	100%
23.30	MOD	grn-gr	60	55	40			2%		3% Fl		1%	VNS			2% Vm								
grt green - INTERBEDDED QTE-SLT-Arg-LST. Light grey - silty LST BM 15cm thick at 21.90m grey Arg strongly foliated + interbedded with dm SLT some silicified + QTE																								
												3%	dis/vn	Tr	dis				24.00	25.50	1.50	17765	<0.001	100%
23.90	QTE/RT	4	VN	BM	Fo	BM	XL	2 QZ	VNS/SLT	5	2	1%	VNS/ds											
26.80		grn-gr	30	68	42			5%				8%	VN/ds	Tr	dis				29.50	27.00	1.50	17766	<0.001	100%
Light grey to green intensely silicified QTE/SLT/LST? Some calcareous (weakly) section. Several - QTE veins + structures with 2, 1.5 dm Lm at 20.5m veins are partially oxidized - grey																								
												1%	dis			1% Lm			27.00	28.50	1.50	17767	<0.001	100%
26.80	ARS	5	BM	Fo	VN	BM	PH	5 QZ/RC				1%	dis			1% Lm	Tr chl		28.50	30.00	1.50	17768	<0.001	100%
35.35		grn-gr	65	45	35-55	Fr		5%								1% Lm								
interbedded Argyllite (grey-black) and green siltstone BMs up to 5-10cm strong Fo in Arg. Several QTE + QTE-calcite veins up to 15cm wide with sulfides + some with Lm on white																								
												5%	VN/ds	1%	VNS	1% Lm			31.50	33.00	1.50	17770	0.006	100%
												1%	VN			1% Lm								
												5%	VN/ds	Tr	VNS	1% Lm			33.00	34.50	1.50	17771	0.004	90%
												1%	VN											
												3%	dis			1% Lm			34.50	36.00	1.50	17772	0.001	100%

METRES		ROCK	STRUCT	STRUCTURES			TEXTURE		VEIN	STYLE	ALTERATION		SULPHIDES				OXIDE MINERALS			ASSAYS						
FROM	TYPE	INT	S1	S2	S3	T1	T2	INFO	ALT	SIL	CARB	PO	How	ASPY	How	OX	OX	OX	FROM	TO	WIDTH	SAMPLE	Au	RCVRY		
TO	SOX	COLOUR	CA	CA	CA	T3	T4	no.type %	TYPE	SER	CLAY	PY	How	CPY	How	MIN 1	MIN 2	MIN 3	(m)	(m)	(m)	NO	opt/ppb	(%)		
35.35	ARG	5	Fo			Fo	ms	2-3 cc stringer			1	Tr	2:5:1			2% Lm			36.00	37.50	1.50	17773	20.001	100%		
42.00		gray	40-50													Fr										
well foliated gray Argillite with limonite on Fract. occ. calcite stringer												1%	2:5:1			2% Lm			37.50	39.00	1.50	17774	20.001	95%		
																Fr										
												2%	2:5:1			1% Lm			39.00	40.50	1.50	17775	20.001	100%		
42.00	CARS	3	BM	Fo		BM	PH	4cc str		Z	Z					Fr										
47.00			70	40-50				2-3%		Tr-Fo						1% Lm			40.50	42.00	1.50	17776	20.001	100%		
Altered light gray to green ~~Argillite~~ Argillite + siltstone with section of white-orange carbonates stringer + blue up to 1cm limonite on Fract.																		Fr/Vn								
Fo cross cutting BN calcareous silt (siltstone) BN up to 15cm																		Tr			42.00	43.50	1.50	17777	20.001	100%
47.00	QVN	1	VN			mo	on	1qtz		4						Tr			43.50	45.00	1.50	17778	20.001	100%		
47.25		un-chngd	65°							2:5:1																
with 10-20% VN with some sericite + phyllosis wallrock												4%	2:5:1						45.00	46.50	1.50	17779	20.001	100%		
Tr fine grains py + Asph in VN												2%	2:5:1						up to 1cm py cubes, being replaced by Po							
												1%	2:5:1	Tr	QVN	4% Lm			46.50	48.00	1.50	17780	20.001	100%		
47.25	CQSA	4	BN	Fo	VNS	3N	XL	7qtz/cc		4	3					VN										
63.50		gray-arg	60°	42°	100%	LN		3-5%		2% Fo						Tr			48.00	49.50	1.50	17781	20.001	100%		
interbedded silt Arg qtz, LST and chert. LST / SLT?																										
50% Fracture (or print of bleached) light gray-green crystalline												1%	2:5:1						49.50	51.00	1.50	17782	20.001	100%		
highly siliceous qtz siliceous units are partially calcareous																										
+ small dark spots - py + Asph (up to 50cm)																					51.00	52.50	1.50	17783	20.001	100%
rounded ss gray siltstone - Argillite with some calcareous stringer												2%	2:5:1			3% Lm			52.50	54.00	1.50	17784	20.001	95%		
up to 2cm silty LST - limy silt																Fr										
occ. calcite + grey stringers												1%	2:5:1						54.00	55.50	1.50	17785	20.001	100%		
												Tr	2:5:1													
												Tr	2:5:1			3% Lm			55.50	57.00	1.50	17786	20.001	100%		
61.80 m 4cm wide 2qtz calcite vein at 70°																3% Lm										
												Tr	2:5:1						57.00	58.50	1.50	17787	20.001	100%		
												Tr	2:5:1													

[illegible]

[illegible]

METRES		ROCK	STRUCT	STRUCTURES			TEXTURE		VEIN	STYLE	ALTERATION		SULPHIDES				OXIDE MINERALS			ASSAYS																							
FROM	TO	TYPE	INT	S1	S2	S3	T1	T2	INFO	ALT	SIL	CARB	PO	How	ASPY	How	OX	OX	OX	FROM	TO	WIDTH	SAMPLE	Au	RCVRY																		
		COLOUR		CA	CA	CA	T3	T4	no.type,%	TYPE	SER	CLAY	PY	How	CPY	How	MIN 1	MIN 2	MIN 3	{m}	{m}	{m}	NO.	opt/ppb	{%}																		
125.75	140.10	py/csqn	3	BN	VNS		BN	6x	15 QTZ	VN/stwk	1		7%	VN/ds	3%	VN/ds	Tr			126.00	127.50	1.50	17833	0.032	100%																		
Series of QTZ-sulfide veins up to 30cm. with associated Alteration and breccia (po dominant sulfide). lime green to grey & purple SCL, ARG-QTE and silicified grey-green calcareous (weakly) BNS																				127.50	129.00	1.50	17834	20.001	100%																		
Fairly large magnetite crystal in vein																																											
																											1%	str								129.00	130.50	1.50	17835	20.001	100%		
																											2%	str															
																											5%	VN/ds									130.50	132.00	1.50	17836	20.001	100%	
silky, talc like, green alteration adjacent to some veins.																				Tr	VN/ds	tr	VN																				
light green silicified crystalline gr up to 60cm																				4%	VN/ds																132.00	133.50	1.50	17837	20.001	100%	
126.30 m : 20cm wide QTZ vein at 50°K																				1%	VN	Tr	VN																				
126.65 m : 3cm QTZ vein at 30°K 30% sulfide (po-Ay-cr)																				4%	VN/ds																133.50	135.00	1.50	17838	20.001	100%	
126.80 m : 6cm QTZ vein at 55°K 5%																				2%	VN	Tr	VN																				
127.20 m : 7cm QTZ vein at 50°K with 10% sulfide																				3%	str/ds																135.00	136.50	1.50	17839	20.001	100%	
130.80 m : 6cm QTZ-po vein at 60°K (60% sulfide)																				Tr	str																						
131.40 m : 7cm irregular QTZ vein with 20% sulfide																				5%	VN/ds	1%	ds														136.50	138.00	1.50	17840	0.003	75%	
131.70-132.00 m : QTZ vein + bx with green Arg clay + 30% sulfide																				1%	VN	1%	VN																				
132.60 m : 2cm QTZ vein = to core 100% sulfide																				4%	VN/ds	1%	ds														138.00	139.50	1.50	17841	0.004	100%	
137.55 m : 10cm QTZ vein at 40°K with 5% sulfide																				2%	VN/ds	Tr	VN																				
138.35m : 8cm QTZ vein at 45°K with 5-10% sulfide																				3%	VN/ds	Tr	ds														139.50	141.00	1.50	17842	20.001	100%	
140.10 SAC 3 F0 MS PH 3QTZ 2																				2%	str/ds																141.00	142.50	1.50	17843	0.002	100%	
143.90 = gry-gr 55																				2%	str/ds																						
arg. iron massive breccia Argill. with some silky green																				6%	str/ds	Tr	VN														142.50	144.00	1.50	17844	0.003		
SCL + calc band of crystalline gr with 25cm NEAR H.V.																																					10cm or less	40% ds po	at 142.65m				
Several mineralized + irregular QTZ po veins NEAR H.V.																				3%	VN/ds																144.00	145.50	1.50	17845	0.001	100%	
ARG = SCL dominant argill. with 10cm NEAR H.V. (HARMESSE?)																																											
																				2%	ds/str															145.50	147.00	1.50	17846	20.001	100%		
																				1%	ds/str																147.00	148.50	1.50	17847	0.002	100%	
																				1%	str																						

[illegible]

Shamrock Diamond Drill Log

Hole No: KR96-585				Grid: SHAMROCK								Claim: KON 34						Page 1 of 10											
Depth: 206.35m				Coordinates - Northing: 27165 N								Bearing: 205° Azimuth						Date Started: SEPT 21/96											
Angle: -50°				- Easting: 45960 E								Elevation: 1705m						Date Completed: SEPT 25/96											
Core Size: HQ				Dip Tests: (Acid test at 206.35m) 49°								Drilled By: E. CARON / VALCOOR						Loaded By: N. FIRT-											
METRES	ROCK	STRUCT	STRUCTURES			TEXTURE		VEIN	STYLE	ALTERATION			SULPHIDES				OXIDE MINERALS			ASSAYS									
FROM	TYPE	INT	S1	S2	S3	T1	T2	INFO	ALT	SIL	CARB	PO	How	ASPY	How	OX	OX	OX	FROM	TO	WIDTH	SAMPLE	Au	RCVRY					
TO	SOX	COLOUR	CA	CA	CA	T3	T4	no type %	TYPE	SER	CLAY	PY	How	CPY	How	MIN 1	MIN 2	MIN 3	(m)	(m)	(m)	NO	opt/cpb	%					
0	OVB											1%	vr	7%	vr	8% Sc	5% Lm		6.40	8.22	1.82	17866	0.005	55%					
6.40												2%	vr																
ROUNDED QTZ VEIN PEBBLES many smaller pebbles with some clay												+	vr	3%	vr	1% Sc	5% Lm		8.22	9.75	1.57	17867	0.001	55%					
												+	vr																
												+	d/d			3% Lm			9.75	11.50	1.75	17868	<0.001	85%					
6.40	QV	8				Vy	BX	qtz	(vms)																				
9.75	Stony whgn-dr							65%			Z	2%	St/ds	3%	St/ds	1% Lm			11.50	13.00	1.50	17869	<0.001	100%					
Highly fractured interval with Qtz vein fragments (some with scarnite + Asp), kaolinitic clay and some Anhydrite + siltstone whole core picked up to 10cm max.												2%	St/vr																
												4%	d/vms	+	vms								13.00	14.50	1.50	17870	<0.001	90%	
												2%	v/st																
9.75	SAD	5	FU	BN		FH	XL	4QTZ	(vms)	Z		2%	d/s						14.50	16.00	1.50	17871	<0.001	100%					
13.55		gr-grn	65°	50°				5%		fol																			
INTERMEDIATE GREY phylitic Arg; blk Arg; green sct + light grey-green												2%	v/ds	4%	vr								16.00	17.50	1.50	17872	0.001	100%	
XL QTE. QTE BLK up to 40cm with QTZ veins. Irregular QTE veins up to 2cm with sulfides.												3%	vr																
												6%	d/s										17.50	19.00	1.50	17873	<0.001	100%	
13.55	SSA	5	BD			SS	XL	3QTZ		2	2	2%	d/s																
17.10		grn	ss-gr			BF		3%																					
GREEN siltstone + QTE (some calcareous) with OCC BLK OF Black Arg.																													
Some fine grained siltstone, green and calcareous. Several QTE																													
Sulfide veins up to 3cm irregular.																													
17.00-17.50 : highly fractured with QTZ-sulfide vein																													

[illegible]

METRES	ROCK	STRUCT	STRUCTURES			TEXTURE		VEIN	STYLE	ALTERATION		SULPHIDES				OXIDE MINERALS			ASSAYS					
FROM	TYPE	INT	S1	S2	S3	T1	T2	INFO	ALT	SIL	CARB	PO	How	ASPY	How	OX	OX	OX	FROM	TO	WIDTH	SAMPLE	Au	RCVRY
TO	SOX	COLOUR	CA	CA	CA	T3	T4	no.type %	TYPE	SER	CLAY	PY-	How	CPY	How	MIN 1	MIN 2	MIN 3	(m)	(m)	(m)	NO	ool/ool	%
34.00	SLT	3	B0	F0		BM		3 Qtz		Z		8%	dis/bm						34.00	35.50	1.50	17884	<0.001	100%
36.65		green	70	60				2%				1%	str											
green SLT + silty Qtz with ~ 20% grey to black Arg BM occ BM												3%	ur/dis						35.50	37.00	1.50	17885	<0.001	100%
of 30% dis po up to 10cm												2%	ur/str											
												2%	dis						37.00	38.50	1.50	17886	<0.001	100%
36.65	ARS	4	F0			PH MS		Qtz str																
41.75		grt-gr	55					2%				2%	gr/dis						38.50	40.00	1.50	17887	<0.001	100%
grey-arg phyllitic Arg - SLT with some sericized remnants of BM occ.												3%	dis/str											
Qtz stringers some = to K up to 2cm with some calc dis												1%	tr						40.00	41.50	1.50	17888	<0.001	100%
41.75	ARG	4	F0	BM		PH B		700	str	Z		8%	BM/un/str						41.00	43.00	1.50	17889	<0.001	100%
50.50		grn-arg	65	50-70		XL		5%	tr-arg			2%	un	1%	un									
green SLT silty Qtz interbedded with grey Arg. BM of Qtz up to 2cm												5%	dis/un						43.00	44.50	1.50	17890	<0.001	100%
(some calc illite) occ string Qtz - silty, up to 2cm. some purple												3%	tr/dis						44.50	46.00	1.50	17891	<0.001	100%
15cm SLT (Hornblende?)												4%	ur/str											
42.70m	then on of 40% po + 60% Qtz at 70%											4%	ur/str											
45.35m	3 trander 2cm Qtz - 1% vein											4%	un/dis						46.00	47.50	1.50	17892	<0.001	100%
46.00-46.60m	3 Qtz - con po veins up to 2cm (yellow-buff carbonate)											2%	ur/str	tr	un									
												3%	ur/dis						47.50	49.00	1.50	17893	<0.001	100%
												2%	un	tr	un									
50.00	ARG	4	F0			MS		100% co				3%	dis						49.00	50.50	1.50	17894	<0.001	100%
58.65		blk-gr	60					10%																
black to brown foliated Argillite												3%	un/dis						50.50	52.00	1.50	17895	<0.001	100%
Qtz vein at 51.80m some = to calc, 1cm wide with some po												1%	un											
												3%	dis						52.00	53.50	1.50	17896	<0.001	100%
												tr	str											
												3%	dis						53.50	55.00	1.50	17897	<0.001	100%
												tr	dis											
												2%	dis						55.00	56.50	1.50	17898	<0.001	100%

METRES	ROCK	STRUCT	STRUCTURES			TEXTURE		VEIN	STYLE	ALTERATION		SULPHIDES				OXIDE MINERALS			ASSAYS												
			S1	S2	S3	T1	T2			INFO	ALT	SIL	CARB	PO	How	ASPY	How	OX	OX	OX	FROM	TO	WIDTH	SAMPLE	Au	RCVRY					
			CA	CA	CA	T3	T4	no. lvs. %	TYPE																		SER	CLAY	PY	How	CPY
58.65	ARC	5	VM	Fo				1 Qz				3%	dis						56.90	58.00	1.10	17899	<0.001	100%							
61.65		grn	45	55°	-			3%																							
Green, Altered Argillite with dis po												3%	dis								58.00	59.80	1.80	17900	<0.001	95%					
59.15m: 5cm Qtz-c. vein at 45° N, brecciated with white carbonate.												tr	vn																		
												3%	dis																		
61.65		4	Bv	gr		Bv		4 Qtz		Z																					
67.30		grn-prpl	55°	50-60°				<1%	Hrnf			3%	dis/stk						61.00	62.50	1.50	17902	<0.001	100%							
Altered green-purple (Hornfelsed - SHAEN) SLT - silty QTE and green Arg												1%	dis																		
occ DM or crystalline light green-green calcareous vte? (silicified LST?)												2%	dis/stk																		
Section with fine purple stringers in green-purple SLT-Arg																															
67.30	SQA/QV	5	VN	Bv		Bv	xL	7 Qtz	JWK	3	Z	2%	dis/stk						64.00	65.50	1.50	17904	<0.001	100%							
73.60		gr-gr-pr	15-55	60-80				8%	Hrnf			2%	dis						some py cubes up to 5mm												
gray-green-purple SLT, silty QTE and minor Arg (highly altered) interbedded												2%	dis																		
with light gray-green crystalline QTE. some calcareous silicified with												2%	dis																		
upto 20cm. Several QTE + QTE-sulfide veins upto 10cm.												3%	dis/vn						1% so?												
67.30m:	10cm	mauve white	Qtz	vpr	at	15° N						1%	vn	tr	vn				1% disse grains oxide on Fract												
70.15m:	7cm	Qtz-sulfid	vpr	at	40° N	(30% po-py)	[0.1% vn]					2%	dis/stk	tr	stn				68.50	70.00	1.50	17907	<0.001	100%							
70.60-71.00m: 4 Qtz-po veins upto 2cm, 55° N (70% po)												1%	stn																		
71.30m: 3cm Qtz vpr at 15° N, 5% po+cpy												5%	dis/vn	tr	dis	tr	orp	tr	c												
												1%	vn	tr	vn																
73.60	SAI=	4	BD	VM		Bv	Bv	3 Qtz	#	Z		3%	vn-stk						71.50	73.00	1.50	17909	<0.001	100%							
78.65		grn-arg	55°	<5°		5°		5%				1%	vn																		
Interbedded argilla SLT with upto 20cm red grn-blk Arg DMS up												2%	dis																		
to 5cm with some silty QTE and light green crystalline brecciated																															
QTE upto 2.5cm												2%	dis																		
77.50m:	8cm	Bv and o. frct	core	with	fil	of	limonite	on	Fract																						
												2%	dis/stk																		
74.30-74.90m: Irregular massive white QTE vein upto 4cm, width = to 4												1%	stk																		
76.90-77.50m: brecciated xL QTE DM with Qtz vpr (2cm) - to core												2%	dis						2% Lm												
												tr	dis																		

METRES	ROCK	STRUCT	STRUCTURES			TEXTURE		VEIN	STYLE	ALTERATION		SULPHIDES				OXIDE MINERALS			ASSAYS					
FROM	TYPE	INT	S1	S2	S3	T1	T2	INFO	ALT	SIL	CARB	PO	How	ASPY	How	OX	OX	OX	FROM	TO	WIDTH	SAMPLE	Au	RCVRY
TO	SOX	COLOUR	CA	CA	CA	T3	T4	no.type.%	TYPE	SER	CLAY	PY	How	CPY	How	MIN 1	MIN 2	MIN 3	(m)	(m)	(m)	NO	opt/cob	(%)
78.65	c qsa	3	BN	100		XL	BN	2 QTZ		3	Z	1%	dis						79.00	80.50	1.50	17914	<0.001	100%
90.00		grn	40-80	55				1%			1	tr	dis											
highly altered light green to green silty QTE SLT QTE and brs of green Arg. occ calcareous bn & some light green crystalline QTE												1%	dis						80.50	82.00	1.50	17915	<0.001	100%
												tr	dis											
												2%	dis						82.00	83.50	1.50	17916	<0.001	100%
86.50-86.80m: 2 QTZ VEINS, top one is locn bottom one is 7cm.												1%	dis											
both veins white at 55%												1%	dis						83.50	85.00	1.50	17917	<0.001	100%
												1%	dis						85.00	86.50	1.50	17918	<0.001	100%
												1%	dis											
90.00	SQA	5	BN			bn	bn	20 QO	st/bn	Z	1	1%	dis/st	tr	bn				86.50	88.00	1.50	17919	0.001	100%
95.75		grn-arg	50-60			XL		8%				1%	bn/st											
Altered green SLT, silty QTE, Argillite + QTE. Several QTZ + QTE - calcite												2%	dis/st						88.00	89.50	1.50	17920	<0.001	100%
VEINS with 10-60% sulphides (po dominant) veins range from 4cm to 2m												1%	tr											
and from 5cm to 75cm. Some calcareous bn (crystalline + silty)												3%	dis/st	tr	dis				89.50	91.00	1.50	17921	<0.001	100%
												tr	dis											
												3%	bn/st						91.00	92.50	1.50	17922	0.003	100%
												1%	tr											
												5%	bn/st	tr	dis				92.50	94.00	1.50	17923	0.003	100%
												tr	bn/st	tr	bn									
95.75	ARS	6	BN			PH	MS	90% arg			1	4%	bn/st	1%	bn	1%	bn		94.00	95.50	1.50	17924	0.001	100%
100.15		grn	60-80	55-65				1%			2	1%	bn											
Gr. Arg. (40-60) Arg. with some SLT (silty QTE). several white-bn												3%	dis			tr _{sc}	tr _{sp}		95.50	97.00	1.50	17925	<0.001	100%
QTZ-cc stringers up to 2m																								
98.5-98.65m: Fractures with several clay-rich BN up to 2cm (argn-argn)												2%	dis/st						97.00	98.50	1.50	17926	<0.001	95%
clay with Argillite Arg Fracture (FLT?)																								
												1%	dis						98.50	100.00	1.50	17927	<0.001	100%
96.25m QTZ/CO? stringer with red brown sphaerulite																								
												2%	dis/st						100.00	101.50	1.50	17928	<0.001	100%

METRES		ROCK	STRUCT	STRUCTURES			TEXTURE		VEIN	STYLE			ALTERATION			SULPHIDES				OXIDE MINERALS			ASSAYS					
FROM	TO	TYPE	INT	S1	S2	S3	T1	T2	INFO	ALT	SIL	CARB	PO	How	ASPY	How	OX	OX	OX	FROM	TO	WIDTH	SAMPLE	Au	RCVRY			
		SOX	COLOUR	CA	CA	CA	T3	T4	no.type.%	TYPE	SER	CLAY	PY	How	CPY	How	MIN 1	MIN 2	MIN 3	{m}	{m}	{m}	NO.	opt/ppb	{%}			
109.15	105.65	AQS	3	BR			MS	XL	6 Qtz/cc		2	1	2%	dis						101.50	103.00	1.50	17920	<0.001	100%			
Blk Arg - interbedded with crystalline QTE DM up to 60cm with some SCT. Streak of Qtz-calcite. no stringer in crystalline silicified units													2%	dis								103.00	104.50	1.50	17930	<0.001	100%	
105.65	106.10	QTE VM	5	VM			MS	3X	3 Qtz-cc	VM/BR										104.50	106.00	1.50	17931	<0.001	100%			
106.10	106.10	wht-grn	85°						50%				2%	dis						106.00	107.50	1.50	17972	<0.001	100%			
2 Qtz veins with irregular Qtz vein + Breccia in H.W. 2 Qtz vein are Ben + 10cm. nearly L to core. some yellow-buff carbonate. wallrocks are green altered ARG													1%	dis								107.50	109.00	1.50	17933	<0.001	100%	
106.10	112.90	SLT	3	VM	BR	BD	MS	BR	3 Qtz			1	3%	dis						109.00	110.50	1.50	17934	<0.001	100%			
112.90	108.40	grn-grn	<5	43	65	PH			2%																			
Altered green SCT + argon - green Arg, becoming more altered towards E.W.													2%	dis								110.50	112.00	1.50	17935	<0.001	100%	
108.40- 109.70 Fractured with some clay.													2%	dis														
111.10-112.90m - highly altered with thin wispy, line green bands of Arg													3%	dis								112.00	113.50	1.50	17936	<0.001	100%	
ant Qtz - sulfide vein still up to 1cm.													2%	dis														
													3%	dis								113.50	115.00	1.50	17937	<0.001	90%	
Fracture surface at 25° with slickensides (dextral). slickensides trend 20°E and are bent (folded)													1%	dis														
													4%	dis								115.00	116.50	1.50	17938	<0.001	100%	
112.90	114.05	FLT	7				5X	FR	Qo	FLT	3	1	3%	dis						116.50	118.00	1.50	17939	<0.001	100%			
114.05	114.05	grn-grn							2%			1	1%	dis														
no Fractures light green QTE + altered green SLT + Arg? Qtz veins up to 1cm with some buff carbonate, some green oxide (scandite)													3%	dis								118.00	119.50	1.50	17940	<0.001	100%	
													1%	dis														
													3%	dis								119.50	121.00	1.50	17941	<0.001	100%	
114.05	126.20	ALT C SQA	4	BM			BR	XL	2 Qtz		2	2	1%	dis														
126.20	126.20	grn	65°						1%			1	2%	dis						121.00	122.50	1.50	17942	<0.001	100%			
VERY Highly altered SLT-QTE-Arg? green with strong foliation.													3%	dis														
light line green bands and rft (Arg?) either more silicified units (sil-grn)													2%	dis								122.50	124.00	1.50	17943	<0.001	100%	
Some calcareous sil. occ Qtz-cc-co VM + stringer																												

METRES		ROCK	STRUCT	STRUCTURES			TEXTURE		VEIN	STYLE	ALTERATION			SULPHIDES				OXIDE MINERALS			ASSAYS						
FROM	TO	TYPE	INT	S1	S2	S3	T1	T2	INFO	ALT	SIL	CARB	PO	How	ASPY	How	OX	OX	OX	FROM	TO	WIDTH	SAMPLE	Au	RCVRY		
		SOX	COLOUR	CA	CA	CA	T3	T4	no.type %	TYPE	SER	CLAY	PY	How	CPY	How	MIN 1	MIN 2	MIN 3	(m)	(m)	(m)	NO	opt/obd	(%)		
													5%	dis/vr						167.50	169.00	1.50	17973	<0.001	100%		
													1%	str/vr													
hornfelsed BMS are purple - green banded. small purple - brown specks with cores of P and pyroxene + minor Fe.													5%	dis/vr								169.00	170.50	1.50	17974	0.001	100%
													1%	str													
													4%	dis/vr						170.50	172.00	1.50	17975	<0.001	100%		
169.65	QVN	2	VN				M3	BA	1872	QVN			1%	vr/str	tr	vr											
170.10		wht-grn	75						80%				3%	dis/vr						172.00	173.50	1.50	17976	<0.001	100%		
15cm massive white Qtz vein with 2cm wide Qtz-chlorite breccia in F.W.													tr	str													
													2%	str/dis						173.50	175.00	1.50	17977	<0.001	100%		
													tr	str	tr	str											
170.10	hornfelsed	3	BM	VMS					5qtz/ep		2		1%	str/dis						175.00	176.50	1.50	17978	<0.001	100%		
184.00		gn-qz-pr	0-65	5-40					2-3%	hrf																	
green purple-grey hornfelsed SGT - Arg with some Qtz, banding is chaotic. Occ Qtz-cc - po vein + stringers in silicified unit													2%	dis								176.50	178.00	1.50	17979	<0.001	100%
													5%	vr/dis	tr	dis				178.00	179.50	1.50	17980	<0.001	100%		
													1%	str	tr	vr											
													5%	vr/dis						179.50	181.00	1.50	17981	<0.001	100%		
													1%	vr	1%	vr											
slight alteration on fractures at 70° (Frac)													2%	dis								181.00	182.50	1.50	17992	<0.001	100%
177.10m: 10cm hor of green clay with small Arg frags (Frac?)																											
184.00	CUTE /	3	BM	VN					5qtz	hrf	4	5	4%	dis/vr	1%	vr				182.50	184.00	1.50	17993	0.001	100%		
191.15	RUSS		BS	BS					5%	hrf			3%	str													
Strongly altered (hornfelsed?) Qtz + calcareous Qtz (silicified + crystalline) + silty Qtz with some hrf - and light green base of partially silicified SGT + Arg. Several Qtz veins up to 10cm thick, some with po													4%	dis/vr	2%	vr/dis						184.00	185.50	1.50	17994	0.001	100%
													2%	vr/dis	1%	vr				185.50	187.00	1.50	17995	0.001	100%		
184.50m	10cm	Terminator	Qtz vein										4%	vr/dis						187.00	188.50	1.50	17996	0.001	100%		
186.00m: 7cm Qtz vein at 35°													tr	str/vr													
187.75m: 5cm Qtz vein at 40°													2%	dis/vr								189.50	190.00	1.50	17997	<0.001	
189.60m: 2cm Qtz vein at 10°																											

[illegible]

SHAMROCK CODES

ROCK TYPE

ARG Argillite
QTE Quartzite
SST Sandstone
SLT Siltstone/ Argillite (Siltstone Dominant)
LST Limestone
ARS Argillite/ Siltstone (Argillite Dominant)
QTZ Vein +/- Sulphide
ASQ, QAS, SAQ, etc. Combinations in order of abundance
CHT Chert

STRUCTURES

VNS Veins: Qtz, Carb/ Calcite, Qtz-Carb, Qtz-Sulph
SH Shear
FR Fracture
FO Foliation
BN Banding
BD Bedding

ALTERATION INTENSITIES

Silicification:

- 1: WK, vein selvages
- 2: MK, patchy
- 3: MD, veins with intermittent bands
- 4: ST, broad bands
- 5: Pervasive, completely silicified

Sericite:

FOL - folia form (along foliation)
DIS - disseminated
SEL - vein selvages
% - percentage

ALTERATION STYLE

STWK Stock work, eg: Anastomosing vns
BRX Breccia, eg: Angular BX in QTE
SHR Shear (Fault Gouge), eg: Scazy Zone
MSRP Massive Replacement, eg: Gully Zone
DSRP Disseminated Replacement
QB Quartz Breccia Vein

ALTERATION TYPE

SILC Silicification
QSV Quartz-sulphide vein
QSE Quartz-sericite

TEXTURES

MS Massive
BN Banded
PH Phyllitic
BX Brecciated
VG Vuggy
SS Soft Sed Deformation
Bioturbation
XL Crystalline
LM Laminated

GRAIN SIZE

FG Fine
MG Medium
CG Course

SURF OX

MS QTZ/ Scor

(Not primary QTZ/ aspy-po-py, etc)

Carbonate:

- 1: QTZ/ CC stringers
- 2: Stringers and local patches
- 3: Widespread weak effervescence
- 4: Effervesces readily in broad bands
- 5: Strongly effervescent (LST)

Argillic:

- 1: Along fractures, vein fill
- 2: Narrow seams or veinlets
- 3: Moderate clay and rock frags
- 4: Equal clay and rock frags
- 5: Completely clay, minor rock frags

OX MIN

%HM Hematite
%LM Limonite
%SC Scorodite
%MA Malachite
%C Carbon

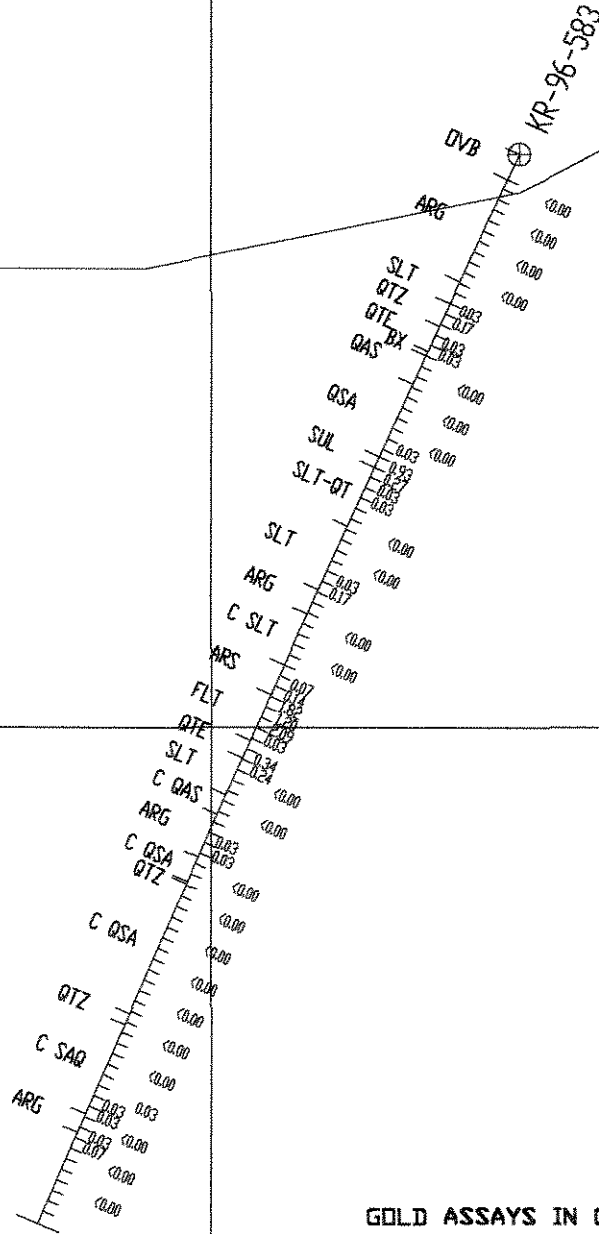
SKN Skarn
PRP Propylitic (Chlorite-edpidote-pyrrhotite)
HRNF Hornfels

45+250.00 E

1900.0 EL

1800.0 EL

1700.0 EL



GOLD ASSAYS IN GRAMS/TONNE
BLANK INTERVALS = VALUE OF <0.005 G/T

YGC RESOURCES LTD
KETZA RIVER PROJECT

DRILL SECTION
KR-96-583
LOOKING NORTH

DATE: 97/01/03

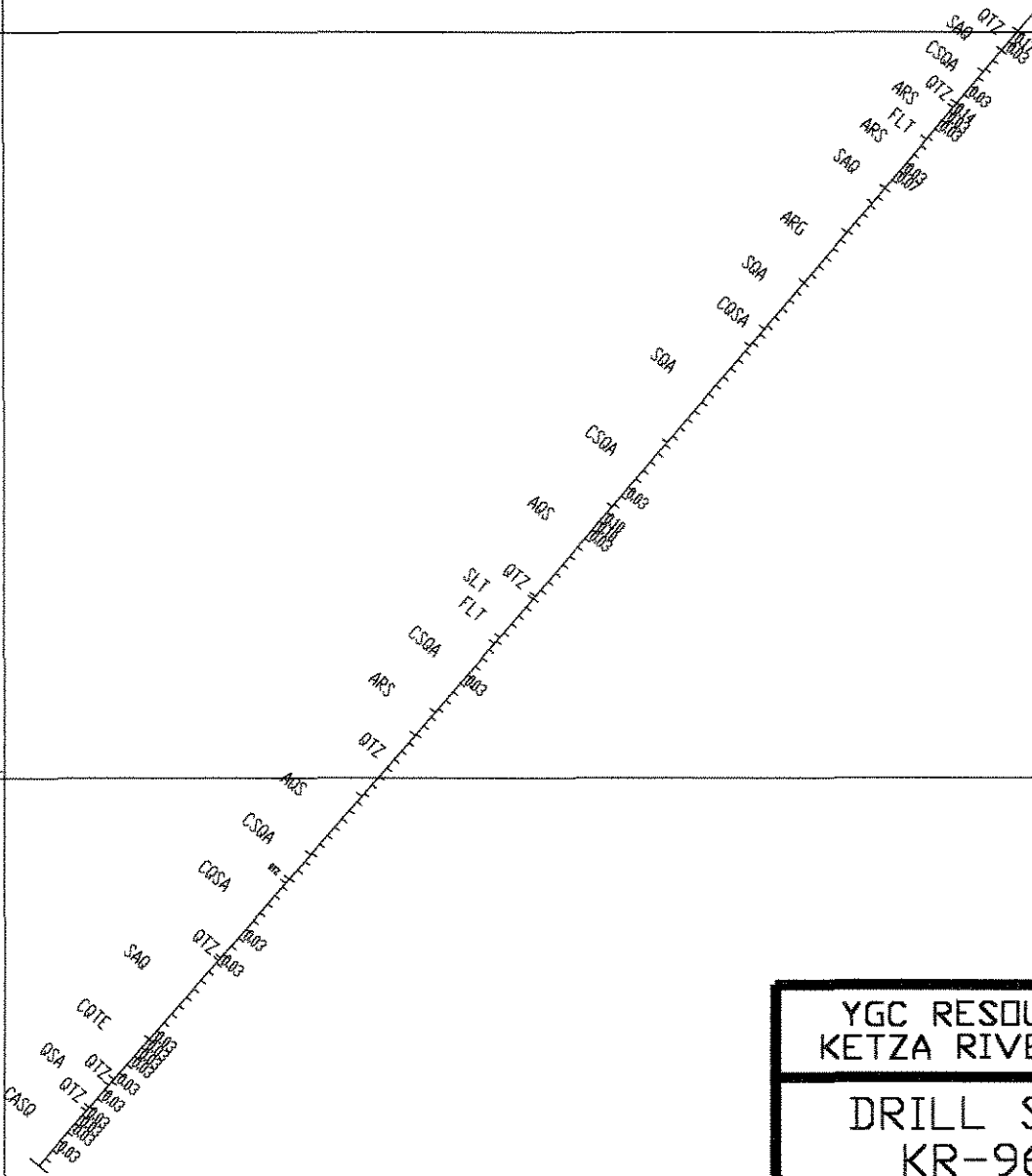
SCALE: 1/1000

27040.0 N
45900.0 E
1750.0 EL

1700.0 EL

1600.0 EL

KR-96-585



GOLD ASSAYS IN GRAMS/TONNE

BLANK INTERVALS = BELOW DETECTION LIMIT <0.001 G/T

YGC RESOURCES LTD.
KETZA RIVER PROJECT

DRILL SECTION
KR-96-585

LOOKING NORTHWEST

DATE: 97/01/03

SCALE: 1/1000

APPENDIX 4

KETZA RIVER PROJECT

ANALYTICAL RESULTS

ASSAY CERTIFICATES

FROM

NORTHERN ANALYTICAL LABORATORIES LTD.

16/09/96

Assay Certificate

Page 1

YGC Resources

WO# 07049

Shipment # 961-179

Sample #	Au oz/ton	DDH	KR-96-583
14966	<0.001		
14967	<0.001		
14968	<0.001		
14969	<0.001		
14970	<0.001		
14971	<0.001		
14972	<0.001		
14973	<0.001		
14974	<0.001		
14975	<0.001		
14976	<0.001		
14977	<0.001		
14978	0.001		
14979	0.005		
14980	<0.001		
14981	0.001		
14982	0.001		
14983	<0.001		
14984	<0.001		
14985	<0.001		
14986	<0.001		
14987	<0.001		
14988	<0.001		
14989	<0.001		
14990	<0.001		
14991	0.001		
14992	<0.001		
14993	0.027		
14994	0.008		
14995	0.001		

Certified by



16/09/96

Assay Certificate

Page 2

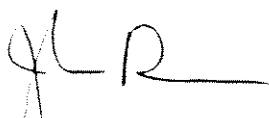
YGC Resources

WO# 07049

Shipment # 961-179

Sample #	Au oz/ton
14996	0.001
14997	<0.001
14998	<0.001

Certified by



18/09/96

Assay Certificate

Page 1

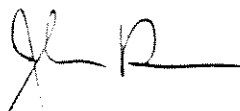
YGC Resources

WO# 07059

Shipment # 961-181

Sample #	Au oz/ton	DDH	KR-96-583
14999	<0.001		
15000	<0.001		
15001	<0.001		
15002	<0.001		
15003	<0.001		
15004	0.001		
15005	0.005		
15006	<0.001		
15007	<0.001		
15008	<0.001		
15009	<0.001		
15010	<0.001		
15011	<0.001		
15012	<0.001		
15013	<0.001		
15014	0.002		
15015	<0.001		
15016	0.053		
15017	0.035		
15018	0.061		
15019	0.001		
15020	0.004		
15021	0.010		
15022	0.007		
15023	<0.001		
15024	<0.001		
15025	<0.001		
15026	<0.001		
15027	<0.001		
15028	<0.001		

Certified by



18/09/96

Assay Certificate

Page 2

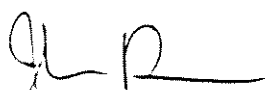
YGC Resources

WO# 07059

Shipment # 961-181

Sample #	Au oz/ton
15029	0.001
15030	0.001
15031	<0.001
15032	<0.001
15033	<0.001
15034	<0.001
15035	<0.001
15036	<0.001
15037	<0.001
15038	<0.001
15039	<0.001
15040	<0.001
15041	<0.001
15042	<0.001
15043	<0.001
15044	<0.001
15045	<0.001
15046	<0.001
15047	<0.001
15048	<0.001
15049	<0.001
15050	<0.001
15051	<0.001
15052	<0.001
15053	0.001
15054	0.001
15055	0.001
15056	<0.001
15057	0.001
15058	0.002

Certified by



18/09/96

Assay Certificate

Page 3

YGC Resources

WO# 07059

Shipment # 961-181

Sample #	Au oz/ton
15059	<0.001
15060	<0.001
15061	<0.001
15062	<0.001
15063	<0.001
15064	<0.001
15065	<0.001

Certified by



07/10/96

Assay Certificate

Page 1

YGC Resources

WO# 07108

Shipment # 961-186

Sample #	Au oz/ton	DDH	KR-96-584
17751	<0.001		
17752	<0.001		
17753	<0.001		
17754	<0.001		
17755	<0.001		
17756	0.001		
17757	0.001		
17758	0.001		
17759	<0.001		
17760	<0.001		
17761	<0.001		
17762	<0.001		
17763	<0.001		
17764	<0.001		
17765	<0.001		
17766	<0.001		
17767	<0.001		
17768	<0.001		
17769	<0.001		
17770	0.006		
17771	0.004		
17772	0.001		
17773	<0.001		
17774	<0.001		
17775	<0.001		
17776	<0.001		
17777	<0.001		
17778	<0.001		
17779	<0.001		
17780	<0.001		

Certified by



07/10/96

Assay Certificate

Page 2

YGC Resources

WO# 07108

Shipment # 961-186

Sample #	Au oz/ton
17781	<0.001
17782	0.001
17783	<0.001
17784	<0.001
17785	<0.001
17786	<0.001
17787	<0.001
17788	<0.001
17789	<0.001
17790	<0.001
17791	<0.001
17792	<0.001
17793	0.001

Certified by



17/10/96

Assay Certificate

Page 1

YGC Resources

WO#07113

Shipment # 961-187

Sample #	Au oz/ton	DD#	KR-96-584
17794	<0.001		
17795	0.001		
17796	<0.001		
17797	<0.001		
17798	<0.001		
17799	<0.001		
17800	0.001		
17801	0.001		
17802	0.001		
17803	0.001		
17804	0.001		
17805	0.002		
17806	0.003		
17807	<0.001		
17808	0.014		
17809	0.001		
17810	0.009		
17811	0.003		
17812	0.001		
17813	0.001		
17814	<0.001		
17815	0.001		
17816	0.001		
17817	0.001		
17818	0.001		
17819	<0.001		
17820	<0.001		
17821	0.001		
17822	0.003		
17823	0.003		

Certified by



17/10/96

Assay Certificate

Page 2

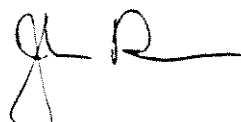
YGC Resources

WO# 07113

Shipment # 961-187

Sample #	Au oz/ton
17824	0.001
17825	0.001
17826	0.001
17827	<0.001
17828	<0.001
17829	0.001
17830	0.001
17831	<0.001
17832	0.001
17833	0.032
17834	<0.001
17835	<0.001
17836	<0.001
17837	<0.001
17838	<0.001
17839	<0.001
17840	0.003
17841	0.004
17842	<0.001
17843	0.002
17844	0.003
17845	0.001
17846	<0.001
17847	0.002
17848	<0.001
17849	<0.001
17850	<0.001
17851	<0.001
17852	0.015
17853	0.002

Certified by



17/10/96

Assay Certificate

Page 3

YGC Resources

WO# 07113

Shipment # 961-187

Sample #	Au oz/ton
17854	0.009
17855	0.001
17856	<0.001
17857	<0.001
17858	<0.001
17859	0.001
17860	<0.001
17861	0.002
17862	<0.001
17863	<0.001
17864	0.002
17865	<0.001

Certified by

18/10/96

Assay Certificate

Page 1

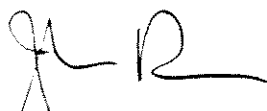
YGC Resources

WO#07124

Shipment # 961-188

Sample #	Au oz/ton	DDH	KR-96-585
17866	0.005		
17867	0.001		
17868	<0.001		
17869	<0.001		
17870	<0.001		
17871	<0.001		
17872	0.001		
17873	<0.001		
17874	0.004		
17875	0.001		
17876	0.001		
17877	<0.001		
17878	<0.001		
17879	<0.001		
17880	<0.001		
17881	0.001		
17882	0.002		
17883	<0.001		
17884	<0.001		
17885	<0.001		
17886	<0.001		
17887	<0.001		
17888	<0.001		
17889	<0.001		
17890	<0.001		
17891	<0.001		
17892	<0.001		
17893	<0.001		
17894	<0.001		
17895	<0.001		

Certified by



18/10/96

Assay Certificate

Page 2

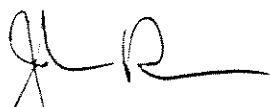
YGC Resources

WO# 07124

Shipment-# 961-188

Sample #	Au oz/ton
17896	<0.001
17897	<0.001
17898	<0.001
17899	<0.001
17900	<0.001
17901	<0.001
17902	<0.001
17903	<0.001
17904	<0.001
17905	<0.001
17906	<0.001
17907	<0.001
17908	<0.001
17909	<0.001
17910	<0.001
17911	<0.001
17912	<0.001
17913	<0.001
17914	<0.001
17915	<0.001
17916	<0.001
17917	<0.001
17918	<0.001
17919	0.001
17920	<0.001
17921	<0.001
17922	0.003
17923	0.003
17924	0.001
17925	<0.001

Certified by



18/10/96

Assay Certificate

Page 3

YGC Resources

WO#07124

Shipment # 961-188

Sample #	Au oz/ton
17926	<0.001
17927	<0.001
17928	<0.001
17929	<0.001
17930	<0.001
17931	<0.001
17932	<0.001
17933	<0.001
17934	<0.001
17935	<0.001
17936	<0.001
17937	<0.001
17938	<0.001
17939	<0.001
17940	<0.001
17941	0.001
17942	<0.001
17943	<0.001
17944	<0.001
17945	<0.001
17946	<0.001
17947	<0.001
17948	<0.001

Certified by



22/10/96

Assay Certificate

Page 1

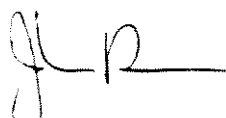
YGC Resources

WO#07130

Shipment # 961-189

Sample #	Au oz/ton	DD#	KR-96-585
17949	<0.001		
17950	<0.001		
17951	<0.001		
17952	<0.001		
17953	<0.001		
17954	<0.001		
17955	<0.001		
17956	<0.001		
17957	<0.001		
17958	<0.001		
17959	<0.001		
17960	<0.001		
17961	<0.001		
17962	<0.001		
17963	<0.001		
17964	<0.001		
17965	<0.001		
17966	<0.001		
17967	<0.001		
17968	<0.001		
17969	<0.001		
17970	<0.001		
17971	0.001		
17972	<0.001		
17973	<0.001		
17974	0.001		
17975	<0.001		
17976	<0.001		
17977	<0.001		
17978	<0.001		

Certified by



18/10/96

Assay Certificate

Page 3

YGC Resources

WO# 07124

Shipment # 961-188

Sample #	Au oz/ton
17926	<0.001
17927	<0.001
17928	<0.001
17929	<0.001
17930	<0.001
17931	<0.001
17932	<0.001
17933	<0.001
17934	<0.001
17935	<0.001
17936	<0.001
17937	<0.001
17938	<0.001
17939	<0.001
17940	<0.001
17941	0.001
17942	<0.001
17943	<0.001
17944	<0.001
17945	<0.001
17946	<0.001
17947	<0.001
17948	<0.001

Certified by



APPENDIX 5

KETZA RIVER PROJECT

1996 DIAMOND DRILLING

INVOICES FROM E.CARON DD LTD.

FOR DRILL HOLES KR-96-583, KR-96-584, & KR-96-585



CARON DIAMOND DRILLING LTD.

7 Roundel Road Whitehorse, Yukon Y1A 3H3

Phone (403) 668-2424 FAX (403) 668-4520

August 25, 1996

Invoice #3463

Drill: #11

IN ACCOUNT WITH

YGC Resources Ltd.,
1500 - 700 West Pender Street,
Vancouver, B. C.
V6C 1G8

Drilling Charges August 16 to 25, 1996: (Ketza River)

Hole: 96-581/-70/HQConditioning Hole

✓ 2 man hrs. @ \$35.00 per hr. = \$ 70.00
✓ 1 machine hr. @ \$21.00 per hr. = \$ 21.00 \$ 91.00

Coring

✓ 55 - 553 = 498 ft. @ \$22.00 per ft. = \$10,956.00 \$11,047.00

Hole: 96-582/-55/HQWaterline

✓ 7 man hrs. @ \$35.00 per hr. = \$ 245.00

Conditioning Hole

✓ 2 man hrs. @ \$35.00 per hr. = \$ 70.00
✓ 1 machine hr. @ \$21.00 per hr. = \$ 21.00 \$ 91.00

Casing

✓ 0 - 18 = 18 ft. @ \$22.00 per ft. = \$ 396.00

Coring

✓ 18 - 515 = 497 ft. @ \$22.00 per ft. = \$10,934.00 \$11,666.00

Hole: 96-583/-65/HQMoving

✓ 67 man hrs. @ \$35.00 per hr. = \$ 2,345.00

Waterline

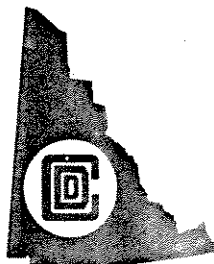
✓ 4 man hrs. @ \$35.00 per hr. = \$ 140.00

Casing

✓ 0 - 8 = 8 ft. @ \$22.00 per ft. = \$ 176.00

Coring

✓ 8 - 503 = 495 ft. @ \$22.00 per ft. = \$10,890.00 \$13,551.00





CARON DIAMOND DRILLING LTD.

7 Roundel Road Whitehorse, Yukon Y1A 3H3

Phone (403) 668-2424 FAX (403) 668-4520

PropaneAug 20/96

✓ 12 refills @ \$50.00 each = \$ 600.00

Tractor D-7

✓ 13 machine hrs. @ \$130.00 per hr. = \$ 1,690.00

Items Consumed & Chargeable

✓ 96 bags Quik Gel- @ \$15.00 each = \$ 1,440.00

Hole: 581

✓ 1 - 2 ft. HW casing @ \$80.50 each = \$ 80.50

✓ 1 HW shoe #2T2608 @ \$440.40 each = \$ 440.40 \$ 520.90

Sub Total

\$40,514.90

40 16490

G.S.T. 10155 7122 RT @ 7%

\$ 2,836.04

2 31154

Total Invoice

\$ 43,350.94

42,976.44

Reports missing for Aug 16/96

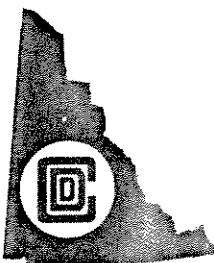
1 bag for payment
Robert Stecker
Sept 2/96

Hecaw Corp

Sifamir 2001

20020-82

B 40 164.90





CARON DIAMOND DRILLING LTD.

7 Roundel Road Whitehorse, Yukon Y1A 3H3

Phone (403) 668-2424 FAX (403) 668-4520

October 1, 1996

Invoice #3490

Drill: #11

IN ACCOUNT WITH

YGC Resources Ltd.,
1500 - 700 West Pender Street,
Vancouver, B. C.
V6C 1G8

Drilling Charges September 13 to October 1, 1996:

(Ketza River)

Hole: 96-584/-65/HQWaterline

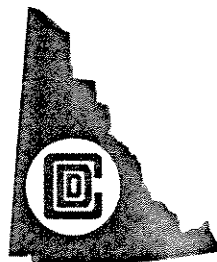
✓ 18 man hrs.	@ \$35.00 per hr.	=	\$	630.00	
<u>Casing</u>					
✓ 0 - 10 = 10 ft.	@ \$22.00 per ft.	=	\$	220.00	
<u>Coring</u>					
✓ 10 - 577 = 567 ft.	@ \$22.00 per ft.	=	<u>\$12,474.00</u>		\$13,324.00

Hole: 96-585/-50/HQMoving

✓ 28 man hrs.	@ \$35.00 per hr.	=	\$	980.00	
<u>Reaming Casing</u>					
✓ 5 man hrs.	@ \$35.00 per hr.	=	\$	175.00	
✓ 2.5 machine hr.	@ \$21.00 per hr.	=	<u>\$ 52.50</u>	\$	227.50
<u>Waterline</u>					
✓ 36 man hrs.	@ \$35.00 per hr.	=	\$	1,260.00	
<u>Casing</u>					
✓ 0 - 10 = 10 ft.	@ \$22.00 per ft.	=	\$	220.00	
<u>Coring</u>					
✓ 10 - 677 = 667 ft.	@ \$22.00 per ft.	=	<u>\$14,674.00</u>		\$17,361.50

Hole: 96-586/-65/HQMoving

80 man hrs.	@ \$35.00 per hr.	=	\$	2,800.00	
<u>Waterline</u>					
✓ 26 man hrs.	@ \$35.00 per hr.	=	\$	910.00	
<u>Conditioning Hole</u>					
✓ 2 man hrs.	@ \$35.00 per hr.	=	\$	70.00	
✓ 1 machine hr.	@ \$21.00 per hr.	=	<u>\$ 21.00</u>	\$	91.00
<u>Casing</u>					
✓ 0 - 18 = 18 ft.	@ \$22.00 per ft.	=	\$	396.00	
<u>Coring</u>					
✓ 18 - 495 = 477 ft.	@ \$22.00 per ft.	=	<u>\$10,494.00</u>		\$14,691.00





CARON DIAMOND DRILLING LTD.

7 Roundel Road Whitehorse, Yukon Y1A 3H3

Phone (403) 668-2424 FAX (403) 668-4520

PropaneAug 30/96

✓ 6 refills @ \$50.00 each = \$ 300.00

Dena Petroleum

✓ Invoice # 0410 (8 refills) = \$ 416.00 \$ 716.00

Tractor D-7

✓ 37 machine hrs. @ \$130.00 per hr. = \$ 4,810.00

Aug 31/J.P.

✓ 5 machine hrs. - @ \$130.00 per hr. = \$ 650.00 \$ 5,460.00

Items Consumed & Chargeable

✓ 136 bags Quik Gel @ \$15.00 each = \$ 2,040.00

✓ 26 bags Poly Gel @ \$15.00 each = \$ 390.00

✓ 2 pails Rod Grease @ \$92.00 each = \$ 184.00

Aug 16/96

✓ 16 bags Quik Gel @ \$15.00 each = \$ 240.00 \$ 2,854.00

J.P. Larouche

	<u>Tractor</u>	<u>GMC</u>	<u>Man Hrs.</u>
Sept 25	7.5 hrs.		
Sept 26	11.5 hrs.		
Sept 27	7 hrs.	2 hrs.	10.5 hrs.
Sept 28	4 hrs.	6 hrs.	14 hrs.
Sept 29	3.5 hrs.	2 hrs.	0 hrs.
	33.5 hrs.	10 hrs.	24.5 hrs.

Tractor

33.5 machine hrs. @ \$130.00 per hr. = \$ 4,355.00

GMC Truck

10 truck hrs. @ \$85.00 per hr. = \$ 850.00

Man Hours

24.5 man hrs. @ \$35.00 per hr. = \$ 857.50

Sub Total

\$60,469.00

G.S.T. 10155 7122 RT @ 7%

\$ 4,232.83

Total Invoice

\$64,701.83

Handwritten:
By [Signature]
John [Signature]
October 9, 1996

Handwritten:
Account done
2000-82
L. [Signature]

