REPORT ON THE 1999 EXPLORATION PROGRAM,

on the

BRASSIE CREEK PROPERTY

KAMLOOPS MINING DIVISION, BC

92I/11E, 14E AND 1OW

for

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January 20, 2000

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SUMMARY

Christopher James Gold Corp holds a 100% interest in the Brassie Creek property located 48 kilometres west of Kamloops and near Wallachin BC. Twelve mineral claims cover approximately 3200 hectares of easily accessible benchland and low hills south of the Thompson River.

In 1999 the company conducted two geological-sampling programs, detailed compilations of previous work and a three hole diamond drilling program on this promising skarn property. The company objective for the 1999 exploration program was to build upon the work completed earlier, investigating the extent of mineralization and obtaining a greater understanding of the property's geological environment.

Geologically the property covers the northern edge of the large Guichon Creek Batholith which further to the south hosts the world class copper-molybdenum porphyry deposits of the Highland Valley and Craigmont Cu-Fe skarn deposit (near Merritt).

On the property, border phase Guichon diorites intrude Nicola Group (upper Triassic age) mafic volcanic flows and volcaniclastic rocks with thick limestone beds. The limey sequence in the Brassy Creek area has been converted to skarn, hornfels and marble in the thermal aureole to the dioritic intrusions. Several polymetallic (from Cu, Pb, Zn, Ag and Au) were encountered by earlier exploration programs in the area. Previous exploration in the property focussed on either Craigmont style Cu-Fe skarn or copper porphyry targets largely ignoring the potential for polymetallic skarns or mantos.

1996 exploration by Christopher James Gold Corp outlined coincident soil geochemical, IP and magnetic geophysical anomalies in favourable geological settings for skarns in the Brassy

Creek area. One very strong zinc in soils anomaly 300 to 400 metres long by up to 200 metres in width followed a thick marble and calc-silicate altered marble sequence along Brassy Creek gorge. A follow-up two hole diamond drilling program in 1998 tested part of this target just east of the old Brassie and Hasso magnetite skarn (Cu, Pb, Zn, Ag, Au) occurrences. A polymetallic mineralized skarn-marble-magnetite interval 13.99 metres long in BR98-01 averaged 0.23 g/t Au, 7.25 g/t Ag, 0.24% Cu and 1.90% Zn and included 3.62 metres averaging 5.90% Zn and 11.02 g/t Ag.

The first 1999 geological program in the Brassy Creek gorge area revealed a very promising skarn environment that has features in common with documented polymetallic copper and lead-zinc-silver skarn types. Several new polymetallic skarn showings were discovered within and above the gorge. The skarn system appears quite extensive and polymetallic (Au, Ag, Cu, Pb, Zn), precious metal enriched and very probably zoned; it is centred on a marble unit greater than 60 metres thick. Highlights include: a new garnet PME skarn showing with chalcopyrite that averaged 0.91 g/t gold, 0.11% copper over its 3.3m exposed width; manto style, structurally controlled mineralization in the old adit area (marble hosted) with zinc values from 1.58% up to 19.80% within a 2.4 metre true width assay section averaging 4.0% Zn, 7.35 g/t Ag and 0.124% Cu; a structurally controlled silicified limestone breccia (SBX) unit over 250 metres long with widespread disseminated and fracture controlled polymetallic (Au, Ag, Zn, Cu, Pb) mineralization with zinc up to 3.10% and up to 70 g/t silver..

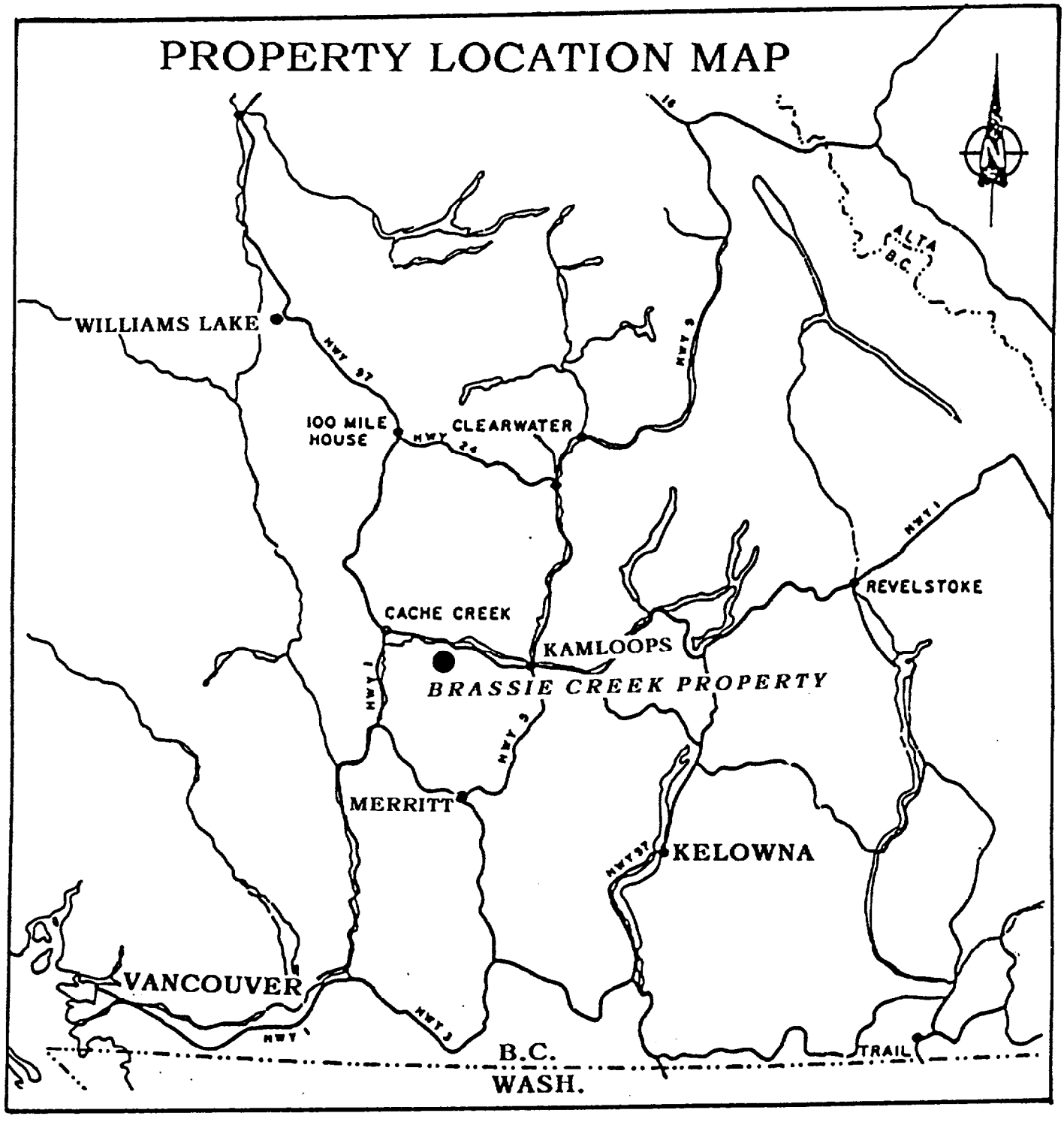
A later far more extensive geological mapping and sampling program covered the less well exposed benchland north and east of the gorge. This program revealed a 2 to 3 square kilometre area with similar geological settings and equal polymetallic skarn-manto potential to the gorge. Sampling returned widespread Cu, Zn, Ag and Au values mainly from fractured and veined marble and magnetite skarn at contacts. IP chargeability and polymetallic soil anomalies coincide with some of these mineralized areas.

During August, a three hole NQ diamond drilling program (total 324.6 metres) tested two geological-geochemical targets along Brassy Creek gorge. The first hole BR 99-03 was drilled at a steeper angle below BR 98-01. This geologically was an important hole as it demonstrated that the main magnetite rich polymetallic (Au, Ag, Cu, Zn) skarn zone has a probable steep west dip and is not linked to the nearby Brassie-Hasso zone (Au, Ag, Cu, Pb, Zn) as previously interpreted. It appears to be a buried parallel zone.

Holes BR99-04 and 05 were collared 100 metres to the north and drilled west and east across the mineralized silicified-marble breccia zone (SBX). On section the SBX unit is 30 to 40 metres wide and occurs in the upper parts of both holes beneath the shallow overburden. This unit produced significant zinc with spotty silver, gold, copper and lead values; for example hole 04 returned 29.45 metres averaging 0.82% zinc and 4.74 g/t silver. Within this intersection the top 7.27 metres averaged 1.82% zinc, followed by 4.63 metres averaging 20.0 g/t silver with gold up to 0.2 g/t. Fractured and veined marble lower in this hole returned two 2.7 metre intersections averaging 1.54% and 1.05% zinc with elevated gold, silver and copper.

The 1999 exploration program met the company's objectives. It indicated good potential for polymetallic skarn, manto and possibly porphyry zones in a 2 to 3 square kilometre area along Brassy Creek gorge and benchlands to the northeast. This potential is for both bulk tonnage and smaller high grade zones with combinations from zinc, gold, silver, copper and lead.

A systematic exploration program with a $160,000 budget is recommended to further advance this promising polymetallic property. This program consists of further surface geological studies, trenching and sampling with 1000 metres of follow-up drilling.



CHRISTOPHER JAMES GOLD CORP	
BRASSIE CREEK PROPERTY	
PROPERTY LOCATION MAP	
Date: March 1998	Prepared by: RCW. FIGURE: 1

1.0 INTRODUCTION

This report on the Brassie Creek Property, Kamloops Mining Division, BC was prepared at the request of Christopher James Gold Corp. (CDNX). It presents the results from a staged geological mapping, prospecting and diamond drilling program conducted on the property between May and December 1999. The total cost of this program excluding GST was $58,187.62 of which $52,000 is being applied to the Brassie claims for assessment work credit (see Appendix A). All exploration was funded by Christopher James Gold Corp. and was supervised by R.C. Wells, FGAC, consulting geologist for Kamloops Geological Services Ltd.

The property is being explored for polymetallic skarn and manto deposits hosted by Nicola Group (Triassic age) volcanic rocks with thick limestone units in the contact metamorphic (thermal) aureole to the Guichon Creek Batholith.

The company's exploration objectives in 1999 were to build upon earlier work; investigating the extent of mineralization and its geological setting.

1.1 LOCATION AND ACCESS

The Brassie Creek property is located 48 km west of Kamloops, 30 km southeast of Cache Creek and 1 km south of the Thompson River in southern British Columbia (Figure 1), latitude 50^0 44' North, longitude 121^0 02' West. This 33 square kilometre property covers the Brassy and Rattlesnake creek drainage basins straddling NTS topographic map sheets 92I/11E, 14E and 10W.

Access to the property from Highway 1 is by the Wallachin turnoff 25 km east of Cache Creek. A 'T' junction 2 km west of the settlement of Wallachin leads south across the CN rail line and up Brassy Creek onto the property. There is a network of old 4x4 logging roads and

ranch trails that access large parts of the property. A 4x4 trail which loops south from Brassy Creek into the main anomaly areas in the southern part of the Brassie 101 mineral claim.

1.2 TOPOGRAPHY, VEGETATION, AND CLIMATE

The property covers the southern slopes of the Thompson valley and the undulating upland region to the south with elevations ranging from 350 to over 1000 metres. The valley and bench areas on the northern claims are dominated by grassland and sage with local groves of birch, Douglas fir and yellow pine. To the south the higher ground features more continuous stands of similar timber with local cleared areas.

The property lies within a dry area in the interior; summers are hot with little precipitation. Winters are cool to cold, with snow accumulations rarely greater than 1 metre. Diamond drilling is recommended during spring and early summer when some water is available, otherwise hauling is required from the Thompson River.

1.3 PROPERTY

The property consists of 8 Modified Grid and 4 Two-Post mineral claims (Brassie 101 to 112 incl.) for a total of 130 units and approximately 3,250 hectares (Figure 2). Table 1 should be consulted for general claim information.

Christopher James Gold Corp. with offices at First Bank Tower, 440-175 Second Avenue, Kamloops BC has been exploring the property since 1996 and holds a 100% interest subject to an NSR (with buy out agreement).

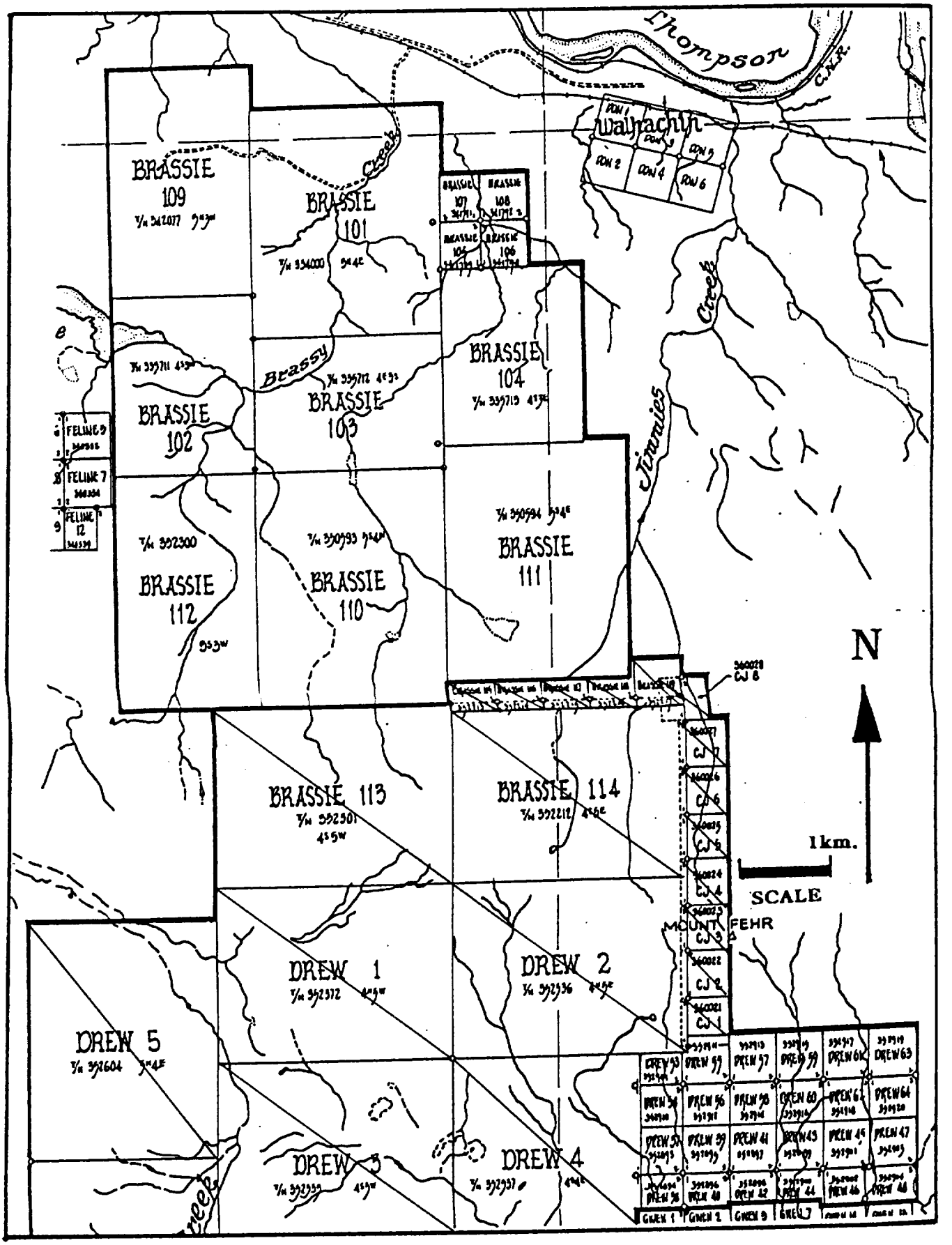


FIGURE 2

BRASSIE CREEK PROPERTY : CLAIM LOCATION MAP

TABLE 1: BRASSIE CREEK PROPERTY

CLAIM INFORMATION

CLAIM	TENURE NO.	UNITS	EXPIRY DATE
Brassie101	334000	20	4 February 2003
Brassie 102	335711	12	01 May 2002
Brassie 103	335712	12	01 May 2002
Brassie 104	335713	12	30 April 2002
Brassie 105	341789	1	24 October 2002
Brassie 106	341790	1	24 October 2002
Brassie 107	341791	1	24 October 2002
Brassie 108	341792	1	24 October 2002
Brassie 109	342077	15	2 November 2002
Brassie 110	350593	20	29 August 2002
Brassie 111	350594	20	30 August 2002
Brassie 112	352300	15	13 October 2002

1.4 EXPLORATION HISTORY

Most of the previous exploration on the property has focussed on the Brassy and Rattlesnake Creek areas in the northern claims. The exploration targets for these programs were:

1. Copper skarn zones hosted by Nicola Group limestone and volcanics intruded by diorite at the northern edge of the Guichon Creek Batholith (or satellite bodies). The Craigmont copper-iron skarn deposit which occurs at the southern edge of the same batholith near Merritt was the model for this exploration. Magnetite pods and lenses with associated chalcopyrite mineralization occur at the Brassie and Hasso occurrences on the eastern slopes of Brassy Creek gorge.

2. Quartz monzonite, diorite and intrusion breccias with disseminated and quartz veinlet hosted copper mineralization (locally with gold values). This style of target occurs in the Rattlesnake Creek area.

3. Epithermal gold zones. The Rattlesnake Creek fault and surrounding rocks have locally returned strongly anomalous gold, arsenic and mercury values (Minequest 1980's). The fault may be a branch to the Deadman Creek fault-zone and feature Tertiary age epithermal gold mineralization.

Exploration by the various operators up to 1987 is summarized in the following Table 2 (after Piroshco and Leriche, 1996).

TABLE 2: SUMMARY OF PREVIOUS EXPLORATION

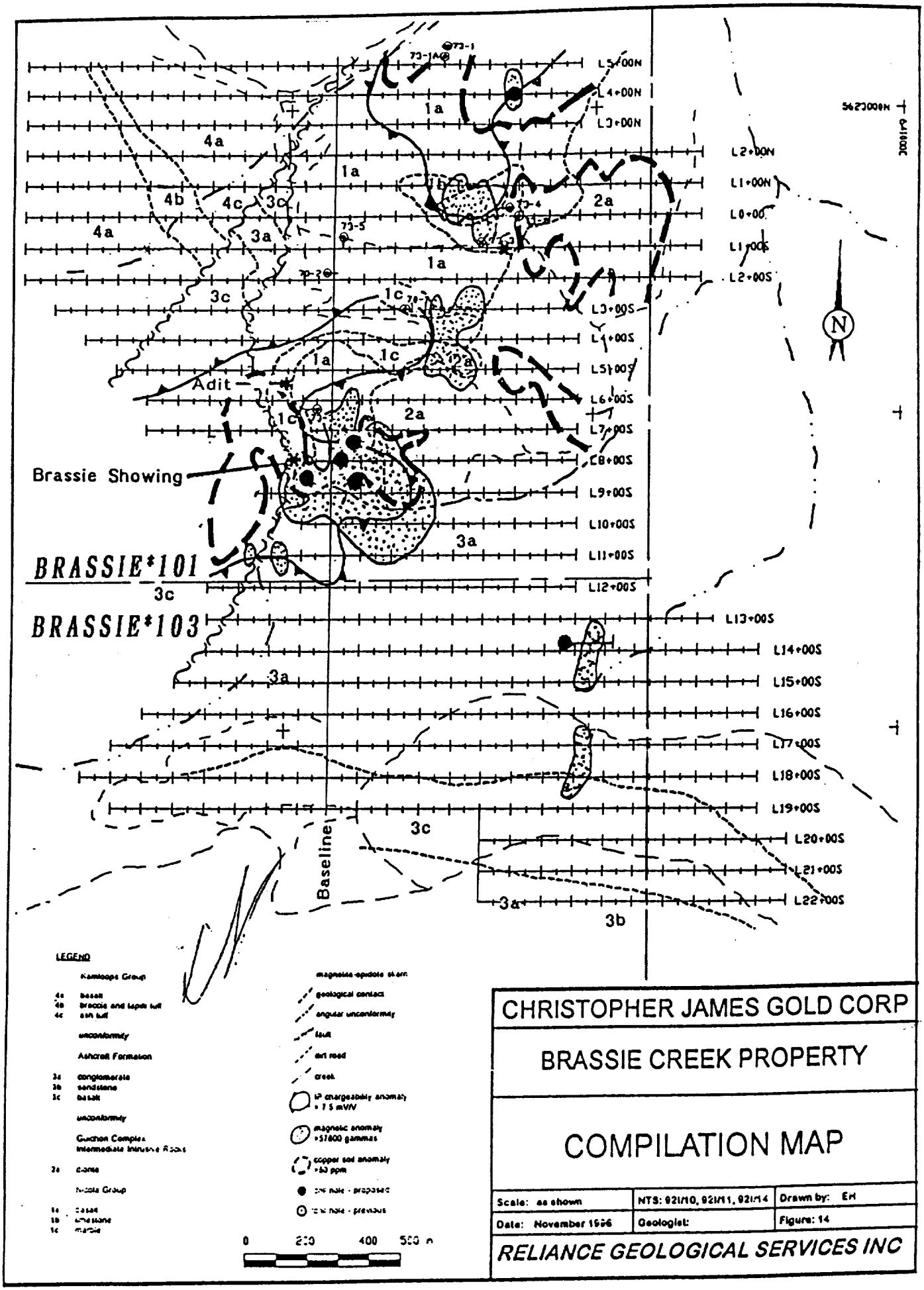
Year	Company	Description of Work	Assessment Report No.	Area
1970	Supertest Investment Ltd	EM Survey	2746	Brassy
1970	Supertest Investment Ltd	IP Survey	2772	Brassy
1970	Supertest Investment Ltd	Geological mapping	2773	Brassy
1970	Supertest Investment Ltd	Diamond drilling (3 holes)	N/A	Brassy
1970	Supertest Investment	Magnetic survey and geology	3506	Brassy
1973	BP Minerals	Diamond drilling (6 holes)	N/A	Brassy
1974	BP Minerals	IP and magnetic surveys	5730	Brassy
1975	BP Minerals	Soil geochemistry and geological mapping	N/A	Brassy
1976	BP Minerals	Percussion drilling (5 holes)	6107	Rattlesnake
1979	Bethlehem Copper	Soil and rock geochemistry, geophysics (Pulse Em) and percussion diamond drilling (6 holes)	7531 7736	Rattlesnake
1982	Minequest	Airborne VLF-EM and magnetic survey	10148	Rattlesnake
1983	Minequest	Prospecting and rock sampling	12258,13329	Rattlesnake
1987	Minequest	IP-Resistivity, soil sampling, reverse circulation percussion drilling (7 holes - 655 meters)	16641	Rattlesnake

A few comments follow regarding previous exploration results by other companies in the Brassy and Rattlesnake Creek areas.

The Brassy Creek gorge and adjacent areas were explored by Supertest Investments and Petroleum Ltd in 1970 on widely spaced east-west grid lines (400 feet). Geological mapping and sampling indicated fracture zones in limestone with significant silver, up to 19.84 oz/t and copper to 0.31%. Massive magnetite zones at a limestone contact (Brassie showing) returned copper, zinc and silver values. There is very little information on three 1970 diamond drillholes other than some brief geological comments by Wendeborne (1970). Hole 70-3 did encounter malachite and sphalerite in intercalated limestone-andesite, however there is no mention of metal values.

Exploration by BP Minerals in the mid 1970's initially focussed on the Brassy Creek area (1974) but later moved east to Rattlesnake Creek where disseminated copper mineralization was identified in intrusive breccia and diorite settings. Much of the property area was geologically mapped by A. Findlay (1975) but no maps are available. The results from the 1975 diamond drilling program (5 holes) were not filed however potassic altered intrusive rocks are documented in hole 73-5; siliceous green skarn with chalcopyrite, chalcocite at a limestone, diorite contact in hole 73-4 by Findlay (1975). These holes were drilled in the bench area northeast of Brassy Creek gorge.

In 1979 Bethlehem Copper Corp. conducted reconnaissance geological, rock and soil geochemical surveys over Brassy, Rattlesnake and surrounding areas. The target for exploration appears to have been massive sulfides? (Simpson, 1979). Geophysical surveys in the Rattlesnake Creek area (pulse EM) was followed by 6 percussion drillholes, the latter returned low copper values. Further exploration in the Rattlesnake area by Minequest in the 1980's (Thom Property) identified anomalous gold values in silicified Ashcroft conglomerate (335 ppb), rhyolite (100 ppb) and a quartz veinlet stockwork in diorite (780 ppb). Some of this mineralization is clearly of Tertiary age and probably epithermal in nature possibly related to the Deadman Creek trend.



CHRISTOPHER JAMES GOLD CORP

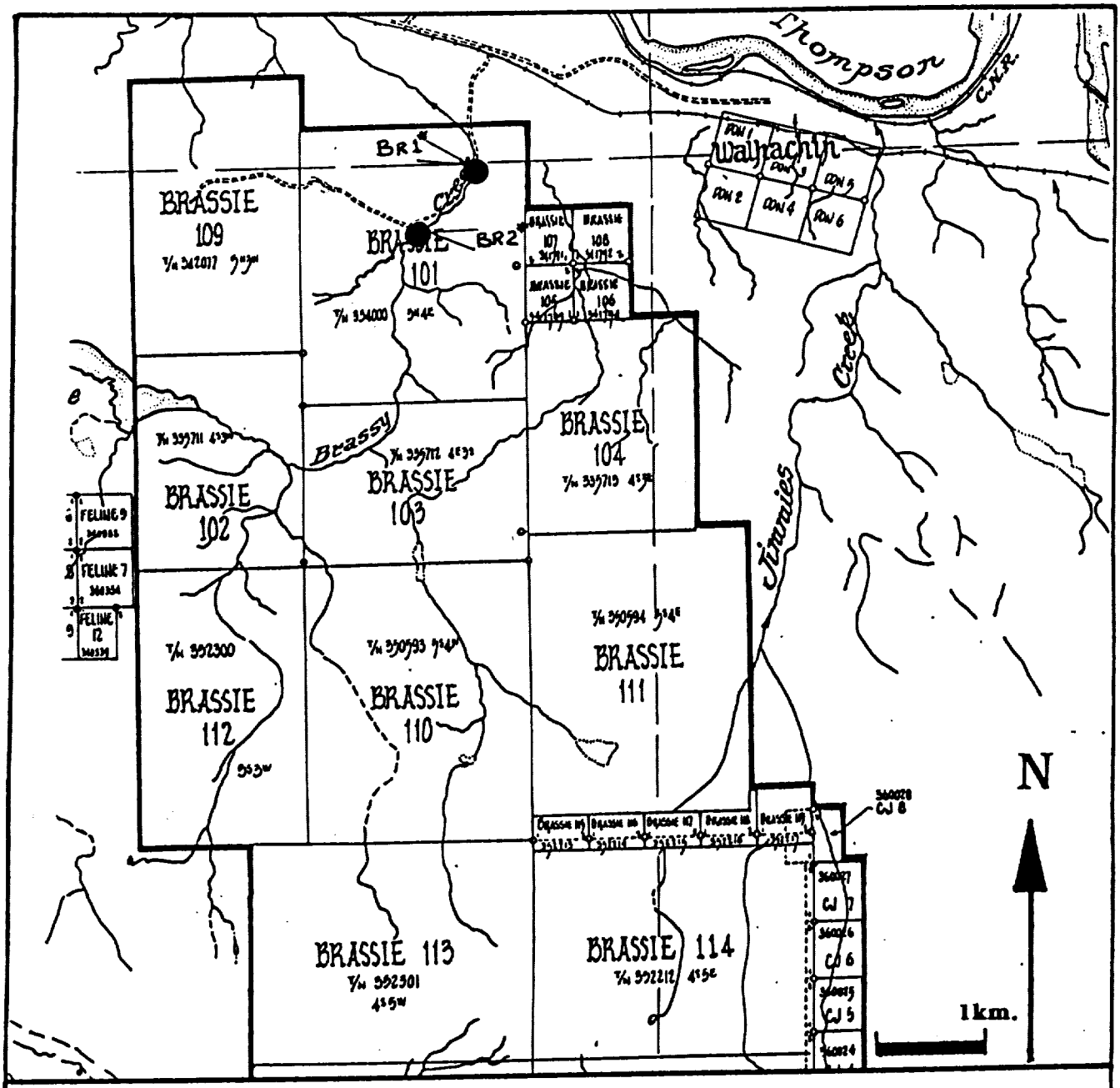
BRASSIE CREEK PROPERTY

COMPILATION MAP

Scale: as shown	NTS: 92I/10, 92I/11, 92I/14	Drawn by: EH
Date: November 1996	Geologist:	Figure: 14

RELIANCE GEOLOGICAL SERVICES INC

FIGURE:3



LEGEND

BR 1 — HEAVY MINERAL CONCENTRATE SAMPLE

CHRISTOPHER JAMES GOLD CORP
BRASSIE CREEK PROPERTY
1997 HEAVY MINERAL CONCENTRATE SAMPLES
Date: March 1998 Prepared by: RCW. FIGURE: 4

In 1996 Christopher James Gold Corp optioned the Brassie Creek property from A. Ablett of Kamloops, BC. At that time Mr. Ablett held a core group of claims which covered the known showings and areas explored previously at Brassy Creek. The property was expanded through staking to the south as far as the northern boundary to Getty Copper's Krain (Getty North) holdings. The Company contracted Reliance Geological Services Inc to manage an exploration program consisting of grid preparation, geological mapping, soil geochemistry, IP and magnetic surveys on the Brassie 101 and 103 mineral claims. Very little exploration was conducted outside of this area (over 90% of property). Exploration was completed by the end of 1996, the exploration target was 'Craigmont style' copper-iron skarn deposits. Compilation map (Figure 3) shows grid coverage and three target areas outlined by Reliance Geological in 1996 for drill testing. Several holes were recommended for the main target around the Brassie showing which featured near coincident soil (copper, lead, zinc, some gold), magnetic and IP chargeability anomalies around a favourable limestone/marble unit. Within this target area, sampling by Reliance returned significant polymetallic values from the Brassie magnetite skarn (Cu, Au, Ag, Zn) and Hasso vein (Cu, Au, Ag, Zn, Pb) showings. Both are hosted by the limestone/marble unit.

During a field visit to the property by the author in June 1997 heavy mineral concentrate samples were taken from two locations on Brassy Creek as shown in Figure 4. The object was to determine if gold was present in the heavy mineral fraction of stream sediments downstream from the showing areas. Highly anomalous gold assays were returned from both sites with BR1* (-230) 1.43 g/t, BR2* (-230) 2,21 g/t and (+230) 3.48 g/t. Zinc was weakly anomalous in these samples (98 to 127 ppm), copper, silver and lead values were low.

In February 1998 a two hole 254.81 metre diamond drilling program tested part of the geochemical-geophysical target area on the eastern flanks of the Brassy Creek gorge (Figure 5). Only one of the holes BR98-01 reached its target depth due to adverse spring break-up conditions. This hole was drilled between the Hasso and Brassie showings and intersected a

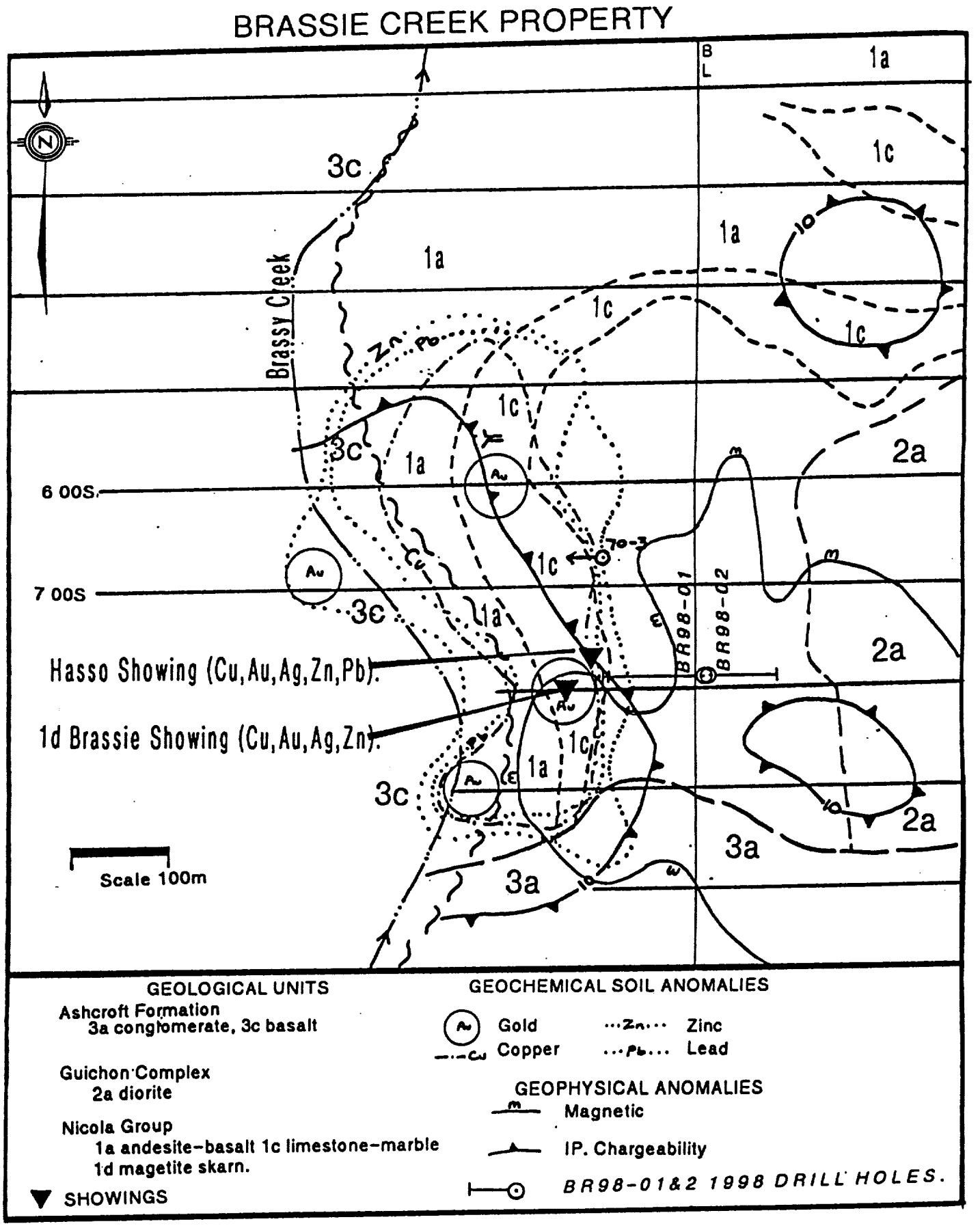


FIGURE 5

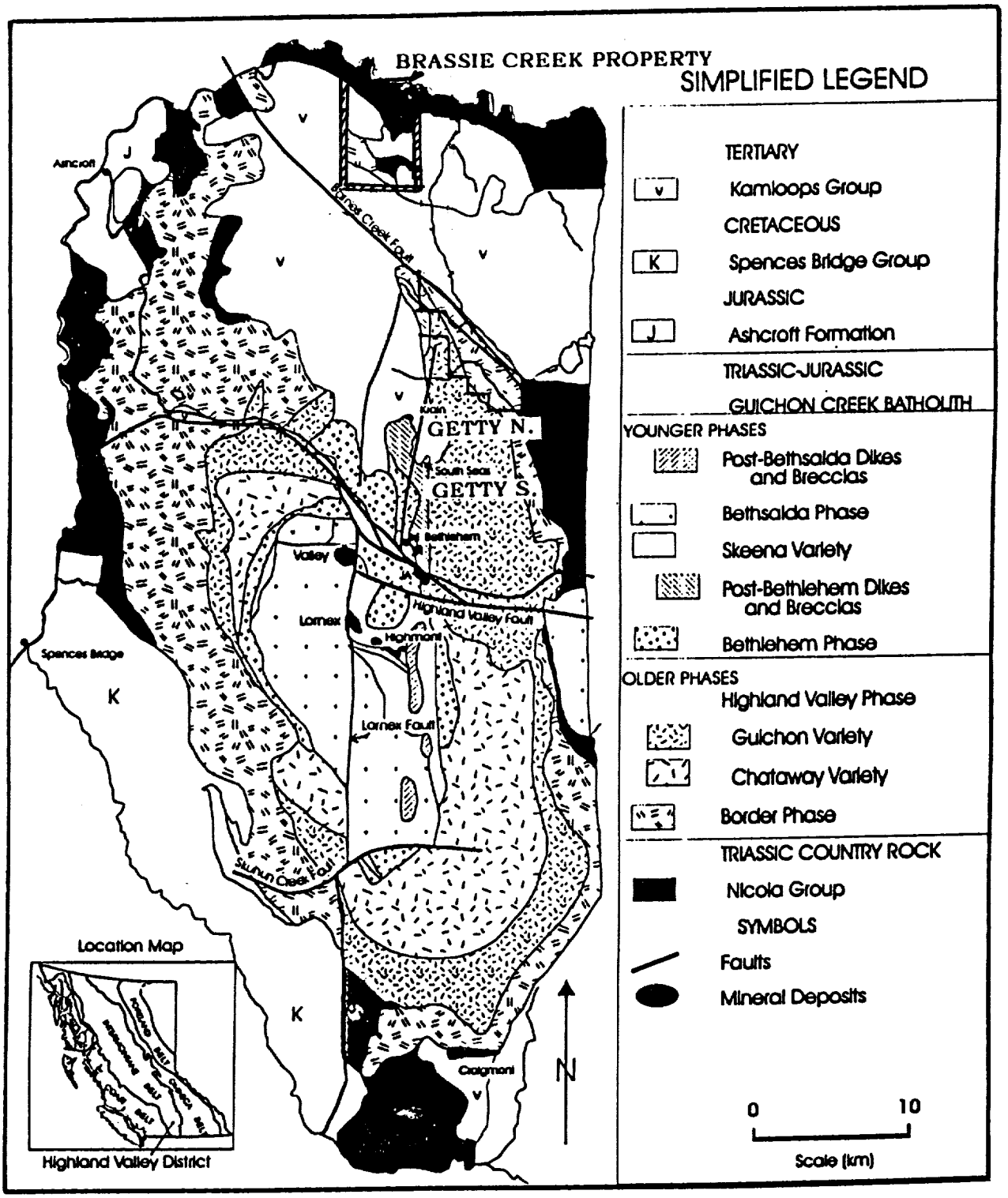
Compilation Map with 1998 Drill Holes.

mixed sequence of hornfelsed mafic volcanics, marble, calc-silicate hornfels and skarn. The marble, calc-silicate hornfels and skarn sequence was variably mineralized with: 1) local metre scale magnetite bands, 2) disseminated and vein/fracture controlled chalcopyrite, pyrite, sphalerite and some secondary copper minerals (malachite, azurite). A polymetallic skarn-marble-magnetite interval (upper limestone contact area with tuffs) 13.99 metres long from 64.03 to 78.02 metres averaged 0.23 g/t gold, 7.25 g/t silver, 0.24% copper and 1.90% zinc. DDH.BR98-02 drilled in the opposite direction (east) intersected a variably altered sequence of massive andesitic to basaltic flows and volcaniclastic rocks. A narrow carbonate (quartz) veinlet stockwork zone at 37 metres returned 0.87% zinc over 0.4 metre core length.

1.5 REGIONAL GEOLOGY

The property area lies in the southern portion of the Quesnel Trough in the Intermontane Belt. A succession of Late Triassic age Nicola group Island arc volcanic rocks, predominantly andesitic to basaltic in composition are intruded by a large composite intrusion called the Guichon Creek Batholith (Figure 6). The batholith is a flattened, funnel shaped body, elliptical in plan, 65 km long (north-south) and 20 km wide; it is calc-alkaline in composition. Jurassic age sediments of the Ashcroft Formation occur in basins on the northern flanks of the batholith and overlie the Nicola Group with angular unconformity (McMillan, 1974). These sediments include siltstones, shales and sandstones commonly above basal conglomerate beds. The Tertiary Age Kamloops Group constitute a younger volcanic dominated succession (local sedimentary basins) which blankets large areas around the Thompson valley and Kamloops Lake.

Major northerly and northwesterly trending faults occur in the area; these appear to have been long lived and periodically reactivated. Northerly faults include the Lornex and Guichon Creek-Deadman Creek structures; the Barnes Creek fault is a northwesterly structure.
The Guichon Creek Batholith hosts several large to world-class porphyry deposits which are largely confined to the central part of the intrusion (Figure 6). These are calc-alkaline copper



After Casselman et.al.1995.

FIGURE 6: BRASSIE CREEK PROPERTY, REGIONAL GEOLOGY.

(molybdenum) deposits with sulfide mineralization associated with fractures veins, faults or breccias. Supergene enrichment is not notable in Highland Valley deposits other than at the Krain (Getty North). The Krain and South Seas (Getty South) porphyry deposits are presently being explored by Getty Copper.

The Craigmont mine is located northwest of Merritt at the southern end of the Guichon Creek Batholith. Western facies Nicola Group volcanics with limestone units lie in the contact aureole to Guichon border phase dioritic intrusions. Copper mineralization (chalcopyrite-bornite) is associated with skarn alteration, magnetite and specularite. Between 1961 and 1982 open pit and underground development on five orebodies produced a total of 29.325 MT averaging 1.37% copper. There was also significant iron production from ores averaging 18%. Currently magnetite from a stockpile is being shipped from Craigmont to various coalfields for heavy media coal separation.

1.6 PROPERTY GEOLOGY

The property area has been covered by regional scale geological mapping by McMillan (1978) and Monger and McMillan (1984, 1989). These maps are the main source of geological reference for the central and southern parts of the property. More detailed geological mapping took place in the Brassy-Rattlesnake Creek areas by company geologists, notably Wendeborn (1970), Findlay (1975, no map with report), Simpson (1979) and Piroshco (1996). Minequest did complete some detailed mapping along Rattlesnake Creek during exploration in the mid 1980's.

The Northern Brassy-Rattlesnake Creek area features a mixed sequence of Nicola Group (Triassic) mafic volcanic and sedimentary rocks (mainly thick limestone beds) intruded by dioritic to monzonite composition dikes, sills and stocks. These are overlain with angular unconformity by Ashcroft Formation (Jurassic) clastic sediments with basal conglomerates.

Younger, still Tertiary age Kamloops Group basaltic flows and local volcaniclastic units overlie the older sequences west of Brassy Creek area and the higher ground to the south.

The Pennie Lake to Rattlesnake Creek area including the Brassy Creek gorge is geological quite complex with patchy bedrock exposures. It probably represents a roof zone to border phase monzonitic to dioritic intrusions of the Guichon Creek Batholith (Triassic). Two kilometre scale dioritic stocks occur in this area, one southeast of Pennie Lake and the other beneath the benchland northeast of Brassy gorge (to Rattlesnake Creek). Contact metamorphism is evident over a large area with conversion of limestone to marble and mafic volcanics to variably magnetic hornfels with patchy epidote. This setting is complicated by displacements along northwest trending fault zones. Previous exploration identified several magnetite lenses at marble-volcanic contacts in Brassy Creek gorge. The best known of these are the Brassie (Cu, Au, Ag, Zn) and Hasso (Cu, Ag, Au, Zn, Pb) occurrences. These returned copper and zinc values in the 0.2% to 0.45% range, gold up to 1 g/t and silver up to 200 g/t (Hasso) during 1996 exploration (Piroshco, 1996). Fracture controlled mineralization in the adit area 200 to 300 meters to the north has previously returned silver values up to 19.84 oz/t, 0.31% copper and 0.12% lead (Wendeborn, 1970). In the lower Rattlesnake Creek area BP. Minerals identified disseminated copper mineralization in intrusive breccia in an area where diorites are intruded by later quartz monzonite and porphyry bodies (Findlay, 1975). Minequest (Ridley, 1983) suggested that a rhyolite intrusion in this area was Tertiary in age (the quartz porphyry?). The Rattlesnake Creek area has gold mineralization in a variety of settings including silicified Ashcroft conglomerate (up tp 335 ppb Au), disseminated in porphyry (100ppb) and quartz veinlet stockworks in diorite (further to south up to 780ppb Au). Some of this gold mineralization is clearly post-Jurassic (Tertiary age?) and has associated anomalous arsenic and mercury values (epithermal).

The area to the south of the property between Brassy and Barnes creeks around Mount Fehr features a thick blanket of Kamloops Group mafic volcanic flows. This cover is probably

underlain by Guichon complex intrusive rocks. No mineralization has been recorded from this area.

2.0 1999 PHASE 1, GEOLOGICAL MAPPING AND SAMPLING PROGRAM

2.1 INTRODUCTION

The results from the 1998 drill program (Wells, 1998) combined with a compilation of previous exploration data suggested a more complex and varied skarn environment in the Brassy Creek gorge area than was allowed by Craigmont copper-iron skarn model. The main similarities are that both feature Nicola Group volcanic rocks with thick limestone beds in the contact aureole to Guichon complex border phase intrusions and copper (chalcopyrite) mineralization is associated with massive magnetite (iron skarn) lenses at marble contacts. Significant differences include: 1) the polymetallic (Au, Ag, Cu, Pb, Zn) mineralization at Brassie compared to copper-iron at Craigmont with little to no Au, Ag, Pb and Zn; 2) the (suggested) shallow dip of the Nicola stratigraphy at Brassie compared to the very steep dips at Craigmont. Shallow dips at Brassie were suggested by previous geological mapping and apparent, shallow east dips on the 1998 drill section. Detailed geological mapping and sampling was recommended along Brassy Creek gorge (Wells, 1998) to develop a better understanding of the skarn environment and controls on mineralization prior to further drilling. Previous exploration programs clearly lacked sufficient prospecting and sampling in the gorge area along Brassy Creek.

2.2 THE PROGRAM

A seven day field program took place on the property during late May 1999. This program included detailed geological mapping, prospecting and sampling by personnel from Kamloops Geological Services Ltd., namely R.C. Wells, consulting geologist and P. Watt, an experienced prospector-sampler. The area covered by this program was a 500 metre north-south section of Brassy gorge between grid 5+00S and 10+00S west of the base line (Figure 5). Brief examinations were made of some outcrops on the benchland northeast of this area for comparisons and checking purposes. The 1996 grid was still in good condition, however several

tie-lines were added for control within the gorge. Results from the 1999 geological mapping are shown on Figure 7 with sample locations. A total of 38 mineralized samples were taken from bedrock and subcrop within this area. All samples were analysed for gold geochemically (30 gram) and multi-element ICP by Eco-Tech Laboratories Ltd. in Kamloops, BC. Higher gold, silver and zinc values were checked by assay. Brief sample descriptions occur in Table 3 in Appendix 2 with laboratory certificates of analysis. Three intrusive rock samples were taken from the grid and area to the northeast for whole rock and multi-element ICP. This data with selected lithogeochemical discrimination diagrams can also be found in Appendix 2.

2.3 GORGE GEOLOGY

Nicola Group (Triassic) rocks which consist mainly of andesite to basalt volcanic flows and fragmental rocks with thick limestone beds underlie the mapped area. These lie within the thermal aureole of an intrusion(s). Exposures of intrusive rocks are rare in the mapped area; one narrow, subvertical porphyry dike was mapped on the western valley slopes (cliffs). The Nicola sequence has been displaced along major northwesterly and secondary westerly trending faults, some larger scale folding or doming is also suggested. Several mineralized (combinations from Cu, Au, Ag, Zn, Pb) skarn zones were identified in proximal settings to marble contacts and fracture zones cutting the marble.

A. ROCK TYPES

NICOLA GROUP-VOLCANIC ROCKS

Andesite and basalt flows (map unit 1ab) where fresh are typically medium to dark green or black in colour, fine grained and variably magnetic. Equigranular varieties predominate however some flows are fine porphyritic throughout with 1 to 2mm plagioclase laths, local hornblende or augite. Flow contacts and autobreccias are rarely exposed or strongly masked by alteration.

Volcaniclastic rocks. These are quite common in the volcanic sequence above the main limestone, marble unit and are interbedded with the massive flow units (1ab). Light to medium green to grey andesitic lapilli **(1Lct)** predominate. Ash to fine lithic tuffs **(1t)** appear rare though may be masked by strong calc-silicate **(cs)** alteration proximal to marble units. Plagioclase crystals 1 to 2mm long predominate in 1Lct units and are interstitial to 1- 2 cm angular to subrounded lapilli. Lapilli tuffs have angular clasts in the 1- 4cm range, locally coarser up to 10cm. Some are weakly heterolithic with local sedimentary clasts (siltstone, greywacke). The 1998 drill holes were collared in 1Lct, DDH.BR98-01 terminated in andesitic lapilli tuff below the main marble unit.

NICOLA GROUP-SEDIMENTARY ROCKS

Marble, Limestone (map unit 1c). A massive limestone unit over 60 metres thick forms the higher cliffs on the eastern side of the gorge and lower cliffs on the west bank of Brassy Creek. The geological mapping by Wendeborn (1970) and Piroshco (1996) somehow missed the western limestone unit which is probably a down-dropped portion of the main unit on the other side of the northerly trending Brassy Creek fault. The limestone has variable locally steep dips and has been metamorphosed to a fine to medium grained, white to grey coloured marble. Local areas of less altered fine grained grey limestone are evident. In contact areas the limestone is commonly interbedded with andesitic tuffs which have been altered to calc-silicate (cs) and skarn **(sk)** with local massive magnetite lenses.

INTRUSIVE ROCKS (Map Unit 2)

One 6 metre wide, sub-vertical west trending dyke was encountered during mapping on the west side of Brassy Creek cutting the marble-volcanic sequence. The dyke is moderately magnetic with numerous 1 to 3mm tabular plagioclase phenocrysts, hornblende (locally

chloritized) laths in a fine grained groundmass with significant amounts K.feldspar, altered mafics and carbonate. It is not clear whether this is a syn or post (main phase) skarn intrusion.

The dyke rock and two samples from dioritic intrusions exposed on the bench to the northeast (see Figure 8, grid 3+50S/7+70E and 3+10S/1+20E) were analysed using ICP-whole rock for major oxides for comparison purposes (Appendix 2). The northeast stock is thought to represent a border phase satellite intrusion to the Guichon Creek Batholith (Triassic). Compositionally all three samples are quite similar and quartz monzonites to quartz monzodiorites with calc-alkaline affinity (comagmatic). This chemistry is consistent with Guichon border phase intrusions (McMillan 1985)

B. STRUCTURE

The lack of clear bedding contacts in the mapped area makes structural interpretations difficult. Some bedding attitudes can be inferred from calc-silicate compositional bands and gross unit geometry. This suggests northwesterly strike and intermediate to steep dips in the northern area. In the Brassie-Hasso area the stratigraphy appears to swing to the southwest with possible dips both to the west and east (drill area) suggesting an anticlinal fold or rotation between faults? On the west side of Brassy Creek units appear to dip steeply to the west.

A steep northwesterly trending fault follows Brassy Creek and has an apparent down-drop to the west. A parallel steeply dipping fault follows a topographic depression 150 metres to the east. This structure is very interesting since it features a broad zone of strongly silicified and mineralized limestone breccia **(SBX)** between 10 and 30 metres wide. Strong calc-silicate (epidote-carbonate) alteration occurs in the volcanic flows and fragmental units to the east. The SBX appears to be a structurally controlled alteration unit at the eastern edge of the limestone which may be syn-marble and/or skarn. It is mainly steep dipping following the main fault,

however at its western margins it is locally flat lying to gentle west dipping following shallow structures or bedding contacts?

During mapping in the southern gorge and northern adit areas numerous secondary faults and fracture zones were observed with west, northwest and northeast trends. Many of these appear to be late and feature small vertical displacements on limestone contacts. In the adit area northwest, northeast and flat lying faults in the marble are mineralized. A northwest fracture zone links the Brassie and Hasso showings near to the upper marble contact.

The volcanic rocks in the mapped area are commonly jointed. A widespread and closely spaced, subvertical joint set trends northwest parallel to the main faults. Another weaker joint set with wider spacing has northeast trend and variable dips.

C. ALTERATION AND METAMORPHISM

In this geological environment with mixed reactive (carbonated) and non reactive rocks proximal to felsic intrusions it is often very difficult to distinguish between the effects of thermal metamorphism from hydrothermal (skarn) alteration. The Nicola Group rocks in the gorge area have been subjected to thermal metamorphism. Volcanics are converted to variable magnetic, spotty epidote hornfels; calcareous volcaniclastics to calc-silicate hornfels; and limestone to medium grained variably recrystallized marble. Calc-silicate hornfels can not be distinguished from (finer grained) skarn alteration; both are **CS** on Figure 7.

The tuff and volcanic flow sequences directly above and below the main marble unit are converted to fine, (locally) coarse grained epidote-carbonate mineral assemblages with local pinkish hematite and/or K.feldspar. Proximal to sulfide mineralization and massive magnetite zones the calc-silicate mineralogy is medium grained and more appropriately called skarn (**SK**). In these areas the silicates-oxides may be banded and include a variety of green to reddish

coloured garnets, magnetite and/or hematite, local chlorite, K.feldspar and fine silica with predominant epidote and carbonate. Manganese staining is very common on fractures and joints throughout calc-silicate, magnetite and skarn areas.

Calc-silicate alteration is locally associated with fractures and fault zones crosscutting the marble and may be centimetre to metre scale. Epidote-carbonate-hematite /fine silica (jaspery) alteration zones are associated with mineralized faults and fractures cutting the marble in the adit area (north). A broad zone of calc-silicate alteration (hornfels?) with fine grained epidote and patchy carbonate (rare garnet, magnetite and sulfides) occurs on the eastern side of the SBX fault-silicified zone. The **SBX** unit itself represents a limestone breccia (probably tectonic, pre to syn skarn) with strong to intense silicification of the matrix and locally some fragments. These limestone fragments are angular and centimetre size. The silicified matrix contains local sulfides including sphalerite and manganese minerals that are fine grained, frequently weathered and difficult to identify.

Volcaniclastic sequences away from the main limestone unit display areas of fine grained epidote and weak patchy carbonate which is probably metamorphic in origin (hornfels).

D. MINERALIZATION

The geological mapping and prospecting in the gorge area revealed polymetallic mineralization in several skarn related settings. Previous experience gained from the 1998 drill program made identification of zinc mineralization (fine sphalerite) a little easier. The polymetallic mineralization was more extensive than expected, several localities represent new discoveries. Reference should be made to Figure 7 for sample locations and Table 3 for brief descriptions with more significant metal values. Mineralization can be described from north to south as follows:

1. Polymetallic Mineralized Fracture-Alteration Zones cutting Marble

The controlling structures have a variety of orientations, mainly NW (Adit S.06625 to 628 inc) to NE (S.06629 & 630), some are flat lying (S.06631 and 632). These fractures or fracture zones are strongly oxidized with narrow calc-silicate alteration envelopes to a maximum of 2 metres wide grading outward into marble. Some patchy jasper (fine silica with hematite) and discontinuous quartz-carbonate veinlets may occur with the calc-silicate. Locally fine grained dark coloured sphalerite is recognizable with tetrahedrite and malachite staining; manganese staining on fractures is widespread. Narrow chip samples from these areas (up to 1.0m) produced significant zinc (to 19.80%), silver (to 45.2 g/t) and copper (to 0.22%) values with anomalous arsenic (to 1875 ppm), lead (to 398 ppm) and gold (to 190 ppb). A 2.4 assay section across the adit mouth (3 samples) averaged 4.0% Zn, 7.35 g/t Ag and 0.124% Cu. Zinc values of 1.58% and 5.70% were returned from narrow chip samples from two other structures nearby.

2. Polymetallic Mineralized Siliceous Breccia (SBX)

The northwest trending silicified limestone breccia (SBX) unit is over 200 metres long with variable width up to 35 metres (Figure 7). A much narrower parallel zone may occur to the west in the northern area. The SBX unit is variably exposed along the bench and is fairly uniform with strong to intense matrix silicification. Fine disseminated to patchy dark minerals including locally recognizable sphalerite are widespread making choice of samples difficult. Ten samples were taken along the length of this unit as a first pass (S.06603 to 607, 623, 624, 633 to 635). Gold is clearly anomalous with four samples in the 255 to 375 ppb range, five samples had silver in the 21.0 to 70.0 g/t range, zinc up to 3.10%, copper up to 0.12%, lead up to 0.17%, anomalous arsenic and variable manganese.

It is an interesting coincidence that low anomalous gold values up to 90 ppb were returned from oxidized fractures within the volcanics proximal and to the east of the SBX structure (S.06601) possibly representing leakage. The SBX structure projects through DDH98-02 in an area of bleaching and quartz-carbonate veinlet stockworks within unit 1ab. Samples

from this zone in the drillhole returned one zinc value of 0.87% and low anomalous gold, 20 to 25 ppb.

3. Massive Magnetite Zones near Marble Contacts

The Brassie and Hasso occurrences in the central grid area (Figure 7) and feature massive magnetite lenses and bands with malachite staining at, or close to the upper marble contact with calc-silicate altered metavolcanics. They are approximately 70 metres apart and 40 to 50 metres vertical. The Brassie showing has been known for over 30 years, apparently drill hole 3 (Figure 7) was drilled to test this zone to the north and at depth but did not reach the target (Wendeborn 1970). Close inspection of the two showings and area between indicates that they both lie along the same northeast, steeply dipping fracture zone near the upper marble contact. This zone is covered by talus in large part and both showings have been heavily blasted. The magnetite forms lenses and bands up to 40 cm wide, hosted by bleached locally banded marble and calc-silicate alteration with epidote, carbonate and local dark to pinkish coloured garnets. Local silicification is evident with patchy discontinuous quartz-carbonate veinlet zones. Strong to intense manganese staining is widespread on joints and fractures, malachite staining is common in magnetite areas (some fine chalcopyrite). Chip sampling was possible in some areas as follows:

Brassie (true width samples)

2.0 metres (S.06614, 615) @ 0.43 g/t Au, 3.4 g/t Ag, 0.06% Cu, 0.27% Zn

1.7 metres (S.06617, 618) @ 67 ppb Au, 4.1 g/t Ag, 0.24% Cu, 0.17% Zn

1.0 metres (S.06615) @ 0.85g/t Au, 5.6 g/t Ag, 0.12% Cu, 0.51% Zn

Hasso (true width samples)

1.2 metres (S.06609) @ 70 ppb Au, 8.2 g/t Ag, 0.02% Cu, 0.22% Zn, 0.14% Pb

grab (S.06610) 0.60 g/t Au, 94.0 g/t Ag, 0.05% Cu, 0.18% Zn, 0.20% Pb

The 1996 sampling by Reliance (Piroshco, 1996) produced similar metal values but did not indicate any widths to mineralization.

A **new zone** of poorly exposed massive magnetite was discovered during prospecting along the upper marble contact west of Brassy Creek (S.06637, 638). Magnetite bands up to 0.8 metres occur at the marble contact with strong calc-silicate alteration. Some fine chalcopyrite occurs with the magnetite. One 0.8 metre chip (S.06638) returned 0.22 g/t Au, 3.3 g/t Ag, 0.1% Cu and 0.42% Zn.

All of the magnetite skarn zones to date have produced copper, silver, zinc and gold values.

4. Precious Metal Enriched Skarn

During prospecting in the southwestern part of the grid, west of Brassy Creek a **new garnet-copper skarn showing** was discovered within a talus covered area on the lower slopes (Figure 7). The original small exposure was enlarged to over 3 metres during sampling; the skarn displays crude banding. Abundant though patchy fine to medium grained, green to yellowish, pink and dark red garnets (spessartine, grossular, andradite!) occur with local epidote, light green pyroxene?, calcite, possible rhodonite, minor magnetite and disseminated to fracture controlled chalcopyrite. Centimetre scale bands of bladed actinolite and cross-cutting carbonate lenses probably represent retrograde overprints. Some erthyrite dust coats fractures on the southern face of the outcrop.

Four chip samples taken across the outcrop (S.06619 to 622) returned gold values in the 0.24 to 1.54 g/t range, with copper up to 0.29%, low silver 2.0 to 4.2 g/t, strongly anomalous arsenic (to 1175 ppm) and cobalt (to 663 ppm). The entire 3.3 metre exposed section averaged 0.91 g/t gold and is open (under talus) in all directions.

2.4 COMPARISONS WITH THE 1998 DRILLING RESULTS

The 1998 drill hole DDH.BR98-01 encountered a broad zone of mixed skarn, hornfels with several magnetite bands up to a metre in width. Copper-zinc mineralization occurred intermittently over a 40 metre core section (60.68 to 99.07) straddling the upper marble contact with calc silicate altered metavolcanics above. It is interesting to compare the metal distribution either side of the marble contact at approximately 72.40 metres in the hole.

Above: 64.00-72.40 m (8.37m) @0.37 g/t Au, 7.16 g/t Ag, 0.29% Cu, 0.46% Zn
Below: 72.40-78.02 m (5.62m) @0.03 g/t Au, 7.39 g/t Ag, 0.16% Cu, 4.03% Zn

Higher copper and gold values (up to 1.24 g/t) are associated with the calc-silicate altered sequence with magnetite bands. Higher zinc values are associated with fracture controlled and disseminated mineralization in the marble, both settings are clearly polymetallic. The metal distributions are very similar to those observed in type 1 and 3 mineralization described in the previous section.

Another important observation regarding the mineralization is that in the drill hole it is far more extensive than at surface 120 metres to the west. This can be related to restricted bedrock exposure in the gorge due to talus cover. It follows from this that even in the relatively well exposed gorge area much fracture controlled and contact related mineralization (recessive) could be buried.

2.5 COMMENTS ON THE SKARN ENVIRONMENT AT BRASSIE

Previous exploration in the Brassy Creek area used Craigmont style copper-iron skarn models. Quartz monzonite to quartz monzodiorite dikes and stocks with Guichon affinity do

underlie much of the Brassy Creek area and are probably responsible for the observed thermal metamorphism and skarn mineralization.

The recent detailed geological work in the gorge area indicates for the first time a variety of skarn settings which are polymetallic (Cu, Pb, Zn) and precious metal (Au, Ag) enriched. Metal zoning is suggested with copper-gold (Ag) near the intrusive-skarn-marble contact whereas zinc-silver (Cu, Pb, Au) occur further out in structural and contact settings proximal to the marble (limestone) units. The high manganese in most types of mineralization is notable and more consistent with skarn zinc-lead-silver. Some of the more peripheral structurally controlled and better grade zinc-silver (Cu) mineralization like that in the adit area appears to be transitional between skarn and manto. Very high grade polymetallic mineralization is possible in this environment. The structurally controlled siliceous breccia mineralized zone with Zn-Ag-Au (Cu, Pb) may represent another higher level skarn and/or intrusive related feature.

2.6 CONCLUSIONS

The detailed mapping and prospecting program in the Brassy Creek gorge area revealed a very interesting skarn environment at the northern edge of the Guichon Creek Batholith. Several new polymetallic skarn showings with significant gold values were discovered during this program within the gorge.

A variety of structural and stratigraphic traps for mineralization occur in the thermal aureole to the intrusions within a sequence of Nicola Group (Triassic age) volcanic flows, volcaniclastic rocks and a thick limestone unit(s). In the mapped area all of the mineralization occurs within, or proximal to the marble (limestone) unit.

The skarn system is polymetallic, precious metal enriched and probably zoned. More proximal garnet rich skarn has Cu-Au (As, Co). Bedding to fracture controlled magnetite skarn

bands and lenses have Cu-Au-Zn-Ag. More distal manto like fracture controlled zones with narrow calc-silicate alteration have high Zn and Ag (Cu, Pb, Au). A silicified limestone breccia zone along a northwest fault (syn-skarn?) features widespread Zn, Ag, Au (Cu, Pb) values. The mineralization system is characterized also by high iron, manganese with variable commonly high arsenic (cobalt in proximal settings).

The skarn system has features in common with skarn-copper and skarn lead-zinc-silver deposits. A Craigmont Cu-Fe skarn model is not a good template for Brassie though sizeable deposits of this type could well occur in the northern parts of the property.

A large kilometre scale area northeast of the mapped area including the benchland between Brassy and Rattlesnake creeks has high exploration potential for similar skarn environments as well as intrusion hosted mineralization. This area has sparse bedrock exposures and has received very limited (focussed) skarn exploration in the past.

3.0 1999 PHASE 2 GEOLOGICAL MAPPING AND SAMPLING PROGRAM

3.1 INTRODUCTION

The following recommendation was made by the author at the end of Phase 1 Geological program *"detailed mapping and prospecting in the Brassy Creek gorge should be expanded to cover the area with known limestone beds to the northeast. Any intrusive areas should be closely examined and sampled for alteration and mineralization."* (Wells 1999). Some previous geological mapping was conducted in the Brassy Rattlesnake Creeks area by Wenderborn (1970), Findlay (1975), Simpson (1979) and Piroshco (1996). None of this had any 'skarn focus' and very few samples were taken.

3.2 THE PROGRAM

A 14 day field program rook place on the property during late June 1999 including detailed geological mapping, prospecting, and sampling by personnel from Kamloops Geological Services Ltd., namely R. C. Wells, consulting geologist and assistant G. Wells.

The area covered by this program is on the southern Brassy 101 mineral claim, grid 6+00S to 3+00N and 3+00W to 9+00E approximately 1.25 km^2. The 1996 grid by Reliance Geological Services (for the company) covered the program area, however many stations were missing or difficult to read. P. Cox of Amex Exploration Services Ltd. was contracted to refurbish the grid prior to the geological mapping. Results from the geological mapping are shown on Figure 8. This map includes the previously mapped gorge area to the southwest. For clarity the limestone/marble units code was changed from 1c to 1m.

A total of 31 mineralized samples were collected during prospecting from bedrock, subcrop, and float. The locations of these are shown on Figure 9. All samples were analyzed for

gold geochemically (30gram) and multi-element ICP by Eco-Tech Laboratories Ltd in Kamloops. One high silver value was checked by assay. Brief sample descriptions occur in Table 4 with Au, Ag, Cu, Zn, Pb, As, and Co values.

Drill core from the 1973 BP drilling program on the property was still on site, in several stacks, at the north end of the grid (see Figure 8). Much of the core was in poor condition or dumped, though it was possible to salvage 30 or so boxes, mainly from 1973 holes 3A, 4, and 5. The approximate locations of these holes are shown on the sampling map in Figure 9. 13 samples were taken from the old core; these are described with summary analytic data in Table 5 .

Several days were spent late in the season compiling previous exploration data with the mapping results.

3.3 GEOLOGY

The area covered by the Phase 2 geological mapping program is underlain by Nicola Group(Triassic Age) rocks which consist predominantly of andesite to basalt volcanic flows, fragmental rocks, and thick limestone beds. This sequence has been intruded by a stock with quartz monzonite to dioritic phases in the eastern area, and by dykes with similar compositions to the west. All of the intrusives probably belong to the Guichon Complex (Triassic-Jurassic age) and represent border phases.

Widespread thermal metamorphism related to the intrusions has converted the Nicola volcanics to basic and calc-silicate hornfels which are often strongly magnetic. Limestone units have been converted to marble with local skarn, especially near contacts. Pyrite mineralization is widespread in the hornfels. Local copper, lead, zinc, silver and gold mineralization is associated with skarn and fracture zones within or near marble units.

Several major northwest trending faults are evident and appear to be responsible for stratigraphic repetitions.

A . ROCK TYPES

NICOLA GROUP-VOLCANIC ROCKS

Andesite to basalt flow units (lab) underlie large areas in the central northern parts of the mapped grid. These are dark coloured, fine grained, locally plagioclase phyric. Thermal metamorphism has converted these rocks to variably, often strong magnetic basic hornfels with patchy pervasive epidote, carbonate, fine grained disseminated to veinlet magnetite.

Volcaniclastic rocks are less abundant, often occurring poximal to limestone units. Green to grey andesitic lapilli, crystal-ash tuffs (ILCT) are well exposed east of the limestone in the gorge area. Finer grained varieties display some bedding, lamination. Poorly exposed tuff sequences also occur in the central and northern grid area. Thick sequences of pyritic and calc-silicate altered tuffs were observed in remnant drill core from DDH 1973-5 in the north central area. Thermal metamorphism has converted tuff units to generally fine grained, calc-silicate hornfels with significant carbonate, epidote, disseminated pyrite, local garnet, hematite and K. feldspar.

NICOLA GROUP-SEDIMENTARY ROCKS

Five large limestone/marble bodies (1m) occur within the mapped area. These are often fault bounded and appear to have steep dips. Thicknesses are estimated at between 50 and 75 meters, possibly more in the gorge area. It is quite possible that these separate bodies represent structural repetition through faulting (and folding?) of one or two of the main units. Thermal metamorphism has largely converted the limestone to fairly uniform, white to grey coloured, massive, medium grained crystalline marble.

Silicified limestone breccia (SBX) is an alteration unit featuring variably brecciated limestone/marble with weak to intense matrix and some fragment silicification. Significant amounts of fine disseminated and fracture sulfides (mainly pyrite, local sphalerite) is indicated by strong oxidation at surface. This unit probably represents a tectonic rather than a sedimentary limestone breccia, and is well developed along the faulted eastern margin of the gorge limestone band. Another poorly exposed and strongly oxidized SBX unit occurs at the western margin of the northwestern limestone band.

CONGLOMERATES-UNKNOWN AGE

Polymictic conglomerates, composed predominantly of clasts from local lithologies (Nicola volcanics, Guichon intrusives) outcrop on the hillsides to the southeast of the mapped area. These are clast to matrix (silt-sand) supported and have been previously assigned to the Coldwater Group(Tertiary) by Findlay (1975) and Ashcroft Formation (Jurassic) by McMillan (1985). Shallow dips indicate an angular unconformity with the Nicola units below.

FELSIC INTRUSIVE ROCKS (UNIT 2)

Felsic intrusive rocks underlie large areas in the eastern grid. They are part of an elongate north trending stock with associated dykes that intrude the Nicola Group rock, between Brassy and Rattlesnake Creeks. Earlier work (this report section 2.3) indicated that the dioritic intrusions in the grid area were chemically similar to Guichon Creek (Triassic) border phase monzonites-monzodiorites. Several northwest trending dykes up to 354 metres wide, displaced by faults west of the main stock and are compositionally similar.

Fine to medium grained, grey coloured, equigranular to plagioclase-hornblende porphyritic monzodiorites predominate. K. feldspar is often present in the fine grained groundmass, hence monzodiorite is preferred over diorite. The hornblende phenocrysts, 1-3mm long, are often chloritized, and the plagioclase in structural zones may be clay altered. Minor

amounts of fine disseminated pyrite occur in the groundmass with finer magnetite. These felsic intrusions are weakly magnetic compared to basic (volcanic) hornfels.

Micromonzonite (2a) was differentiated during mapping in the northeastern area of the stock. These are gradational with monzodiorites (2) but can be distinguished by local pink tabular K. feldspar and recognizable groundmass quartz. Igneous textures in these rocks may become blurred as a result of alteration.

The contacts between unit 2 felsic intrusions and country rock hornfels are generally sharp and easy to map. In the northeastern area, contacts are highly irregular with calc-silicate and basic hornfels, suggesting a roof zone. This area features very strong magnetics. Intrusion breccias are rare, occurring locally near contacts.

B. STRUCTURE

Bedding is rarely observed throughout much of the mapped area, making structural interpretations difficult. The north to northwest strikes and west dips observed in the Nicola sequence within the gorge appear to continue to the northeast. Some larger scale folds are probable, based on limestone repetitions in the northern grid area and bedding attitudes in the southern gorge.

Several subparallel northwest trending faults and fault zones have displaced the Nicola sequence and intrusive rocks. These often occur close to, or at limestone-volcanic contacts. Early movements along these may be responsible for the limestone breccias. Closely spaced jointing in the hornfels, and coarser joints in the marble and felsic intrusives often have similar north to northwest strikes and steep dips. Another lesser joint set trends northeast.

In the roof zone to intrusives (northeastern area) some more northerly trending and late faults are evident. Flat to shallow dipping joint sets occur in both intrusives and country-rock hornfels.

C. ALTERATION AND MINERALIZATION

The June mapping and sampling program revealed similar styles of polymetallic skarn-limestone related mineralization to the gorge, however the amount of exposure is far more limited. Favorable limestone contacts and structural zones are often recessive, and covered by overburden. Large prospective areas along the main west trending bench have no exposure at all and float is sparse. Fairly thorough prospecting revealed mineralization in two main areas on the better exposed north and south sides to the bench. Sample locations are shown on Figure 9 with summary geology. Brief sample descriptions with analytic data occur in Table 4.

1. Southern Area: Grid 4+00 to 6+00S

This area has interesting geology with limestone bands, felsic dykes and major northwest trending fault zones proximal to the contact with the main northeast trending felsic stock. Strong calc-silicate alteration is evident where contacts are exposed, with broad zones of fine to medium grained epidote-carbonate, local garnet, hematite, and magnetite. In the sample 71 to 73 area (Figure 9) the calc-silicate alteration along the main marble-intrusive contact features local fracture controlled and disseminated fine pyrite, chalcopyrite, sphalerite with secondary copper (azurite, malachite) staining. One 0.7m chip sample (71) returned 0.45% Zn, 0.23% Cu and 3.2 g/t Ag. Garnet skarn float, coarser grained and copper mineralized, was discovered to the west of this area (sample 75) but could not be traced to bedrock.

2. Northern Area- East Limestone/Marble Unit

This is a structurally complex area with northwest and north trending faults, north trending limestone-marble unit (50 metres apparent width), and west trending felsic dykes in the

contact aureole to the main felsic stock. There are obvious similarities with the southern area; this area is however, better exposed and has received some previous exploration. Bulldozer stripping and three diamond drill holes tested skarn zones in the southern part of the area in the early 1970's. Unfortunately, no information could be found on results from these.

The mineralization in this area is polymetallic (Cu, Zn, Ag, Au, Pb, As) and can be related to: **1)** skarn zones proximal to marble contacts with felsic dykes or calc-silicate hornfels and **2)** silicified-quartz veinlet zones in fractured marble (again) proximal to felsic dykes.

Contact related skarn zones occur north and south of main west trending fault. To the north, massive magnetite lenses and veins with local garnet and fine chalcopyrite (malachite staining) occur at the western contact of the marble band with calc-silicate hornfels (metavolcanics). Chip sample 62 returned 0.42% Zn and 0.14% Cu over 1.1 metres. A felsic dyke appears to follow the fault, and a broader skarn zone up to 10 metres wide occurs along its southern contact with the marble. This skarn features medium to coarse grained brown to pink garnet, epidote, and carbonate with patchy magnetite locally as semi-massive lenses and veins. Malachite staining and fine disseminated chalcopyrite are present in some magnetite rich areas. Samples 51 to 58, taken from this skarn zone produced copper values to 0.24%, and zinc to 1000 ppm, with anomalous Au, Ag, Pb, and As.

Northerly trending fracture zones within the marble are patchy silicified with numerous fine quartz-carbonate veinlets and some druse. In these areas, malachite staining and fine dark coloured sulfide minerals are locally evident. To the north of the fault, samples 78 and 79 were taken across a 2 to 2.5 metre wide fracture zone with patchy silicification and oxidation. One of these samples (79) returned 101.1 g/t Ag, 0.17g/t Au and 0.1% Cu over 1.33 metres with strongly anomalous Pb, Zn and As. A similar zone with stronger quartz veining occurs south of the fault and was clearly subject to previous bulldozer trenching. Sampling was difficult in this area

because of this disturbance, however a 2 metre panel/grab returned 21.6 g/t Ag, 0.34 g/t Au, 0.17% Cu, and 0.19% Pb, with anomalous Zn and As.

Some remnant drill core was examined and sampled from drillhole 1973-74 from this area (Figure 9 and Table 5). A section of fractured marble between 14.0 and 20.22 metres in this hole contained fine fracture and disseminated pyrite and local dark sphalerite. The entire section returned 0.1% Zn with anomalous Pb, Cu and Ag.

3. Northern Area-West Limestone/ Marble Unit

This area lies 300 to 400 metres west of the previous, and is at the western margin of another limestone/marble unit. The two areas have the same northwest trending fault in common, the marble units are however separated by magnetic basic hornfels after mafic volcanic flows, and minor tuffs. In this area the fault is associated with a zone of brecciated and patchy silicified marble, another SBX unit similar to that above the gorge. Unfortunately, bedrock exposures are very limited in this area. In the sample 65 to 68 area (Figure 9) the SBX unit is strongly oxidized and returned zinc values up to 454 ppm with associated anomalous arsenic. Samples 63 and 64 from the SBX further to the south returned similar zinc values with local anomalous silver.

The collar to DDH 1973-5 is roughly 200 metres to the southwest. Some core was left from this hole, and indicated broad zones of strong calc-silicate alteration with significant K. feldspar in Nicola volcaniclastic rocks intruded by feldspar porphyry dyke. Unfortunately little was left to sample. A few grab samples from pyritic hornfels returned low values (Table 4).

3.4 DISCUSSION

The two geological mapping programs at Brassie indicate excellent potential for mineralized skarn environments over a 2 to 3 kilometre square area (and to depth). This area

features a highly favorable geological environment for this target type, with a combination of thick limestone units and long lived structures in the thermal aureole to mineralized intrusives. The potential is for economic bulk tonnage and smaller high grade polymetallic skarn-manto deposits, as well as Craigmont copper-iron skarn targets.

A compilation of exploration data for the bench area indicates semi-coincident geophysical and geochemical anomalies over the three mineralized areas outlined in the previous section. Many anomalies terminate at the edges of the main bench which has thicker overburden cover.

Zinc in soils anomalies coincide with all of the exposed limestone/marble units with the strongest values in the gorge area (>1000 ppm). IP chargeability anomalies >10mV sec/V occur over the Southern and Northern (east limestone) mineralized areas. Magnetic anomalies >57800 gammas are also broadly coincident with these areas. High background magnetics, IP. Resistivity and copper in soils coincide with the main felsic intrusives stock in the eastern area.

Examination of remnant drill core from 1973 holes indicated many unsampled sections (not split). Records of Inco core sampling during a 1990 property examination by Jim Morin (A. Ablett files) showed some interesting results. In hole 1973-4 (Northern area), a grab from veined garnet-epidote skarn at 50m depth returned 5.16% Zn. Hole 1973-1a from the Brassie gossan area 800 metres to the north (and north of grid coverage) contained sections of silicified limestone proximal to felsic intrusions. One grab sample at 98.45 metres returned 1.29% Zn and 0.13% Pb. This is significant as it extends the area of interest a further 500 metres north from 1999 coverage.

4.0 1999 DIAMOND DRILLING PROGRAM

Following the summer geological mapping program and compilation, a recommendation was made to proceed with a short NQ diamond drilling program on the property. The object was to start testing some of the better geological targets in the gorge area. Initial drilling in this area in 1988 (2 holes) had met with some success, in particular hole BR98-01 (-50W). This hole encountered a highly favourable skarn environment with a polymetallic mineralized skarn-marble-magnetite interval with a 13.99 core length averaging 0.23g/t Au, 7.25g/t Ag, 0.24% Cu and 1.90% Zn 3.62 metres with 5.90% Zn and 11.02g/t Ag. Hole BR98-02 drilled from the same pad east was terminated short of its target depth due to access problems.

The first 1999 drillhole, BR99-03 was drilled at a steeper angle below BR99-01 from the same pad. The object was to determine the geometry of the polymetallic mineralization and its relationship to surface skarn zones, in particular the Brassie and Hasso occurrences. The second (and third) hole was targeted at a wide section of silicified limestone breccia (SBX) 1000 metres to the north. This area had been drilled previously by Supertest Investment Ltd. with DDH.1970-3 but the results were unknown. 1999 company sampling in this area (this report) had returned zinc values up to 3.10% and silver to 70g/t from mineralized SBX with associated copper, gold, lead, and arsenic. This area also featured coincident copper, lead, zinc(>100ppm) soil and IP chargeability anomalies (Figure 5). The first hole on this target BR99-04 was drilled west from the access trail to test the SBX zone and gorge anomalies. Because this hole was collared in mineralized SBX, another short hole, BR99-05 was drilled east to test the remainder of the zone and its contact with the metavolcanic rocks.

4.1 PROCEDURE

The 1999 diamond drilling program consisted of three NQ holes totaling 342.6 metres. These were completed between the 14 and 30 of August using a single shift by Core Enterprises

Ltd. based in Clinton, B.C. Water was pumped from Brassie Creek at the bottom of the gorge, using a mobile system and holding tank.

All of the drilling was supervised by the author, and the core was transported to Kamloops on a regular basis for logging, splitting and sampling. All of the work was by Kamloops Geological Services Ltd.

Core samples were split using a standard Longyear splitter, and one half of the core was sent to Eco-Tech Laboratories in Kamloops for geochemical gold (30 gram) and 28 element ICP analyses. Samples yielding >700ppm zinc and >30 g/t silver were routinely assayed. The remaining core is stored at the Amex site near Kamloops B.C. with that from the 1998 program.

4.2 RESULTS

Diamond drill logs with relevant analytical data can be found in Appendix D with drillhole profiles, Figures 10 to 15. All of this data is organized by hole number. For each hole there is a profile with sample locations and Au, Ag, Cu, and Zn values (Figures 10, 12 and 13). There are also drillhole profiles with summary geology and selected intervals (Figures 11 and 14).

A. Section 7+92S- DDH.BR99-03

Hole BR99-03 (-62) was drilled on section 7+92S below BR98-01 as shown on Figure 11. Hole 03 encountered a similar stratigraphic sequence to 01 with a 30 metre section of limestone sandwiched between andesitic flows and volcaniclastic rocks. This sequence has been variably converted to marble, basic and calc-silicate hornfels by thermal metamorphism. It is often difficult to distinguish between calc-silicate hornfels (metaphoric) and skarn (alteration) outside of contact areas; in many cases both are probably present. Both patchy pervasive and fracture controlled epidote-carbonate (hematite, magnetite, pyrite) is widespread. Within 20 to 30 metres

of marble contacts there are combinations from calc-silicate hornfels, reaction skarns and skarnoid (after Meinert, 1993) involving variable mass transfer between layers and along structures. The skarns are multi-coloured, fine-medium to local coarse grained mixtures of calcite, epidote, silica, pink to brown garnet, dark chlorite, magnetite, hematite, pyrite, and minor chalcopyrite. One nine metre wide skarn zone (134.58-143.17m) is wedged between mafic lapilli tuff sequences (basic hornfels) below the marble unit. Central to this zone is a 2 metre wide band of massive magnetite with variable amounts of pink/brown garnet, calcite, local hematite-epidote, and patchy fine pyrite(some narrow bands up to 10%).

Fracturing and fine veining occur throughout the hole, low angle to subparallel (to core axis) structures predominate over high angle sets. Some fractures are oxidized as deep as 125 metres in the hole. One zone of intense carbonate alteration occurs at 37.64 to 40.79 metres depth within basic hornfels (andesite-basalt flows) and is associated with banded epithermal style quartz-carbonate veins and widespread quartz veinlets.

Pyrite and magnetite mineralization is widespread in the hole both as fine veinlets and disseminations; concentrations tend to be higher in calc-silicate and skarn zones. Brownish coloured sphalerite was locally recognizable within fracture-veinlet zones hosted by marble. At the top of the hole altered fine lapilli tuffs with pyrite and patchy silicification returned zinc values up to 2273 ppm with weakly elevated gold and silver (Figure 10). The calc-silicate and skarn altered sections lower in the hole generally produced anomalous zinc and local copper values up to 900ppm. Fractured and skarn altered sections of marble returned zinc up to 1847 ppm with anomalous silver up to 2.4 g/t. The zone of intense carbonate and alteration with quartz veining returned elevated Zn, Ag and Cu values.

B. Section 6+97S-DDH's. BR99-04 and 05.

Two holes were drilled on section line 6+97S and were collared on the bench approximately 5 metres apart. The holes were scissored so that there was some overlap with

sampling in the weathered SBX bedrock below the shallow overburden.

Hole **BR99-04**, 147.82 metres long was drilled west at -47^0 below the eastern slopes of Brassy Creek gorge, as shown in Figures 12 and 14. This hole encountered a long section of carbonate rocks from surface down to 124.55 metres, with variably altered andesitic volcanclastic rocks and minor marble below.

At the top of the hole, the SBX unit features strongly fractured to brecciated, oxidized and manganese stained, fine grained, silicified marble with local disseminated and veinlet, fine to medium grained pyrite. Quartz (carbonate) veinlets are also common and locally form stockwork zones. Zinc mineralization is widespread, indicated by reaction to zinc-zap solution. Zinc mineralogy is however unclear, probably a combination of secondary oxides and carbonates with some dark coloured primary sphalerite? The SBX continues from hole collar down to 41.27 metres, below this it interfingers with grey to white, massive medium grained and crystalline marble. Strong brecciation in the SBX appears to be tectonic, related to faulting near the eastern marble contact. Silicification, and probably mineralization can be related to hornblende-plagioclase porphyry dykes; three of these occur in DDH.BR99-04. The uppermost and within the SBX (15.90-24.66 metres) has a fine grained siliceous and patchy carbonated groundmass with local fracturing and zinc mineralization. Dyke contacts are strongly altered and appear gradational. Below 70 metres in the hole, the marble is quite massive, with narrow oxidized fracture zones and local silica alteration. This marble is intruded by a multi-phase dyke zone between 94.14 and 106.52 metres. There is no peripheral SBX and dyke contacts are sharp. Narrow (internal) sections of exoskarn or endoskarn are often banded with dark chlorite, magnetite, calcite, epidote, green to pinkish garnet, and local K. feldspar; fine pyrite is rare. Another narrow dyke occurs below at 111.1 to 112.16 metres, has sharp contacts, and narrow contact skarns with epidote, magnetite, specularite and garnet.

Below 124.55 metres in the hole, two sequences of andesitic lapilli tuffs and breccias are

separated by a narrow faulted marble unit with strong pyrite veining, chlorite, hematite and local oxidation. The upper lapilli tuffs are also strongly fractured with pyrite veinlets and patchy pervasive carbonate alteration. The lower are more varied and contain both disseminated and fracture-veinlet, fine pyrite, as well as patchy sericite? and chlorite alteration.

Significant zinc mineralization occurs throughout hole 04 in all geological units, which explains the strong zinc in soils anomaly on the gorge slopes above. Zinc commonly has associated silver values with spotty copper and gold (Figure 12). A 29.45 metre long section of SBX and mineralized dyke at the top of the hole averaged 0.82% Zn and 4.74 g/t Ag. The 8.76 metre dyke interval within averaged 0.35% Zn. Below shallow overburden, 7.27 metres of SBX averaged 1.82% Zn, followed by 4.63 metres of SBX at the dyke upper contact with 0.32% Zn, 20 g/t Ag and gold up to 0.2g/t. Near the dyke's lower contact, one 0.96 metre interval of SBX ran 1.95% Zn, 25 g/t Ag and 0.22 g/t Au. Lower in the hole at 110 metres, a 2.76 metre interval containing felsic dyke and contact skarn averaged 1.54% Zn with associated Cu (to 0,21%), Ag and Au. In the fractured and pyritic lower marble unit a 2.70 metre interval averaged 1.05% Zn. Of interest are the zinc values in the adjacent tuffs which are in the 0.1 to 0.27% range, similar to those in the massive marble above.

Hole BR99-05 drilled to the east at -55^0 was 25.30 metres long and encountered a sequence of fractured and oxidized SBX above feldspar phyric andesites. The high degree of fracturing and oxidation throughout the hole suggests a broad fault zone. There are strong similarities between the SBX at the top of the two holes. In Hole 05 breccias range from matrix to fragment supported to crackle breccias. Silicification in the matrix may be quite intense, with fine to coarse grained disseminated pyrite, locally as aggregates. The transition to weak carbonated, non silicified volcanics is sharp; these wallrocks are also non magnetic (in the hole).

Zinc values from the SBX in Hole 05 are similar to 04; the whole unit length of 14.10 metres averaged 0.83% Zn. Below overburden, 6.84 metres averaged 1.14% Zn. Silver values

were in the 0.2 to 3 g/t range with low Au and Cu. High background zinc values, up to 970 ppm were obtained from the fracture andesites.

4.3 COMMENTS

Hole BR99-03 was a geologically important hole, as it demonstrated that the main magnetite rich polymetallic skarn zone (Zn, Ag, Cu, Au) has a probable steep west dip and is not linked to the nearby Brassie-Hasso zone (Cu, Zn, Ag, Pb, Au); it appears to be a buried parallel zone. Significant potential exists for many similar zones in this strongly faulted area.

Holes BR99-04 and 05 indicate that the mineralized silicified marble zone (SBX) is 30 to 40 metres wide on the drill section (6+97S) with shallow overburden cover. The 30 to 40 metre wide SBX unit averages 0.82% Zn with 3 to 4 g/t Ag, plus local Au, Cu and Pb. Potential for higher grade zinc-silver zones is evident from values at the top of the hole, and at surface to the west (up to 3.10% Zn, 70g/t Ag).

Polymetallic zones related to structural (intrusive) zones within the marble below returned 1 to 2% Zn values with associated Ag, Au and Cu. Again, significant potential exists for higher grade zones as those in the adit are to the northwest, with up to 19.80% Zn, 30 to 40 g/t Ag plus Au, Cu and Pb.

The exciting potential at Brassie lies in the extent of the intrusive-skarn system and the variety of skarn targets. Economic bulk tonnage skarns, and higher grade polymetallic mantos are possible. There is potential for such environments over a 2 to 3 square kilometres area including the gorge and benchland to the north and northeast. To the writer's knowledge there are no similar polymetallic skarn-manto settings at the margins to the Guichon Creek Batholith with high zinc, silver and gold. There are several mineral occurrences in the Merrit area that have combinations from Cu, Pb, Zn and Ag which are skarn related; gold in these settings is

however rare. The gold-copper skarn with retrograde actinolite in the Brassy Creek gorge is more typical of some skarns in the Greenwood-Grand Forks area. Manto style mineralization with Zn, Ag, Au, and Cu is poorly documented in southern BC; some examples may occur in the Tulameen area near Princeton.

5.0 RECOMMENDATIONS

A staged exploration program is recommended to further advance this promising property.

Further geological mapping and prospecting should cover the areas adjacent to the 1999 program, in particular to the north, south and east. Rattlesnake Creek and its western tributaries are a priority as exploration by previous operators, in particular Minequest (1982-87), identified gold values in a variety of settings, including quartz veined diorite (780 ppb). The southeast trending zinc anomaly from the gorge to line 12+00S outlined by the 1996 Reliance soil program is another priority area, as is Brassy Creek gorge north of 1999 coverage.

Trenching is strongly recommended, mainly on the SBX above the gorge. This bench area could be tested by a small machine with little environmental impact. Drilling can take place on priority targets following data compilation. 1000 metres total would allow 6 to 8 holes between 100 and 150 metres in length.

5.1 COST ESTIMATE: YEAR 2000 EXPLORATION

1. Geological Mapping and Prospecting- 2 weeks

Geologist	6000.00	
Prospector	3000.00	
Support costs	1500.00	
Maps, Analyses etc.	2500.00	
	13,000.00.....	$13,000.00

2. Trenching – Approx 10 days

Machine, operator	6000.00	
Geologist	4000.00	
Support costs	2500.00	
Reclamation	1500.00	
Analyses, Report	3000.00	
	17,000.00.....	$17,000.00

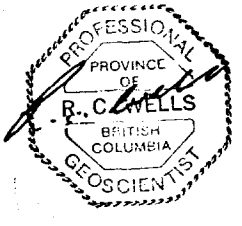
3. Diamond Drilling

Preparation	2,000.00	
Drilling 1000m.		
Cost all in@$180/m	110,000.00	
Reclamation	1000.00	
	113,000.00.....	$113,000.00

4. Compilation, Reports, Maps..... $7,000.00

Contingencies $10,000.00

Total $160, 000.00



6.0 REFERENCES

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Wells, R.C. (1998). Diamond Drilling Report for the Brassie Creek Property. Assessment Report for Christopher James Gold Corp.

Wells, R.C. (1999). Report on a 1999 Geological Mapping, Prospecting and Sampling, Brassy Creek Gorge Area. Report for Christopher James Gold Corp.

7.0 STATEMENT OF COSTS

7.1 PHASE 1 GEOLOGICAL MAPPING

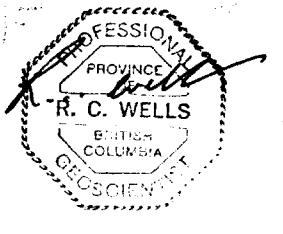
May 5 - June 5, 1999

1. Personnel: Kamloops Geological Services Ltd.
   R.C. Wells, P.Geo. Consulting Geologist
   7 days $2,975.00
   P. Watt, Geotech
   6 days 1,350.00
   Report Costs 3,000.00
   $7,325.00

2. Support Costs-Expenses
   Transport $250.00
   Fuel 265.38
   Food 182.19
   Supplies 40.47
   (Less GST $37.82) Sub Total $700.22

5. Analysis Eco-tech Laboratories Ltd. Kamloops
   ETK Certificate No's 99-91, 95, 96 and 97 ..... $1,067.00

TOTAL **$9,092.22**



7.2 PHASE 2 GEOLOGICAL MAPPING

June 14 to October 28, 1999

1. Personnel: Kamloops Geological Services Ltd.

R.C. Wells, P.Geo. Consulting Geologist	
14 days	$5,950.00
Field Assistant G.Wells	750.00
	6,700.00

2. Grid refurbishing, Amex Exploration Services (P. Cox) 858.00

3. Support Costs - Expenses

Transport	1,090.20
Fuel	210.50
Food	97.44
Supplies	120.00
	1,518.14

4. Report Compilation 2,085.87

5. Analysis Eco Tech Laboratories Ltd. Kamloops
   ETK Certificate No. 99-216, 99-217 ..... 617.50

Total $11,779.50

7.3 DIAMOND DRILLING PROGRAM

August 13 to December 20, 1999

1. Diamond Drilling Costs
   Core Enterprises Ltd., Clinton, BC
   3 NQ holes total 324.6 metres $18,282.50

2. Analytical Costs
   Eco-Tech Laboratories Ltd, Kamloops, BC
   ETK. Certificates Nos 99-434, 461, 485 ..... $2,742.20

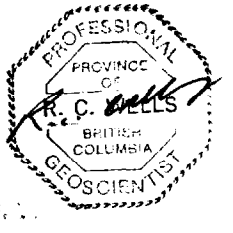
3. Geological Services
   Personnel
   R.C. Wells P.Geo., Consulting Geologist 21 days $8,925.00
   Core Splitting - Kamloops Geological Services Ltd 500.00
   Core splitting - Amex Exploration Services Ltd 676.00
   Sub Total $10,101.00

4. Expenses

   Transport $1,140.00
   Gas 187.67
   Food 25.05
   Supplies 337.48
   Sub Total $1,690.20

5. Report $4,500.00

Total (No Gst) $37,315.90



8.0 STATEMENT OF QUALIFICATIONS

I, Ronald C. Wells, of the City of Kamloops, British Columbia, hereby certify that:

1. I am a Fellow of the Geological Association of Canada

2. I am a member in good standing of the Association of Professional Engineers and Geoscientists of British Columbia.

3. I am a graduate of the University of Wales, U.K. with a B. Sc. Hons. in Geology (1974), did post graduate (M. Sc.) studies at Laurentian University, Sudbury, Ontario (1976-77) in Economic Geology.

4. I am presently employed as Consulting Geologist and President of Kamloops Geological Services Ltd., Kamloops, B.C.

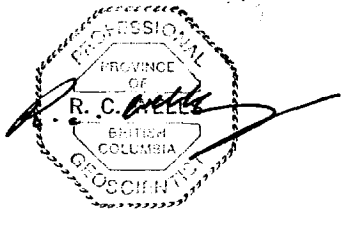
5. I have practised continuously as a geologist for the last 19 years throughout Canada, USA and Latin America and have past experience and employment as a geologist in Europe.

6. Ten of these years were in the capacity of Regional Geologist for Lacana Mining Corp., then Corona Corporation in both N. Ontario / Quebec and S. British Columbia.

7. The author supervised the 1999 geological program on the Brassie Creek property for Christopher James Gold Corp.

8. The author has no interests in the Brassie Property, or securities of Christopher James Gold Corp nor does he expect any.

R.C. Wells, P.Geo., FGAC

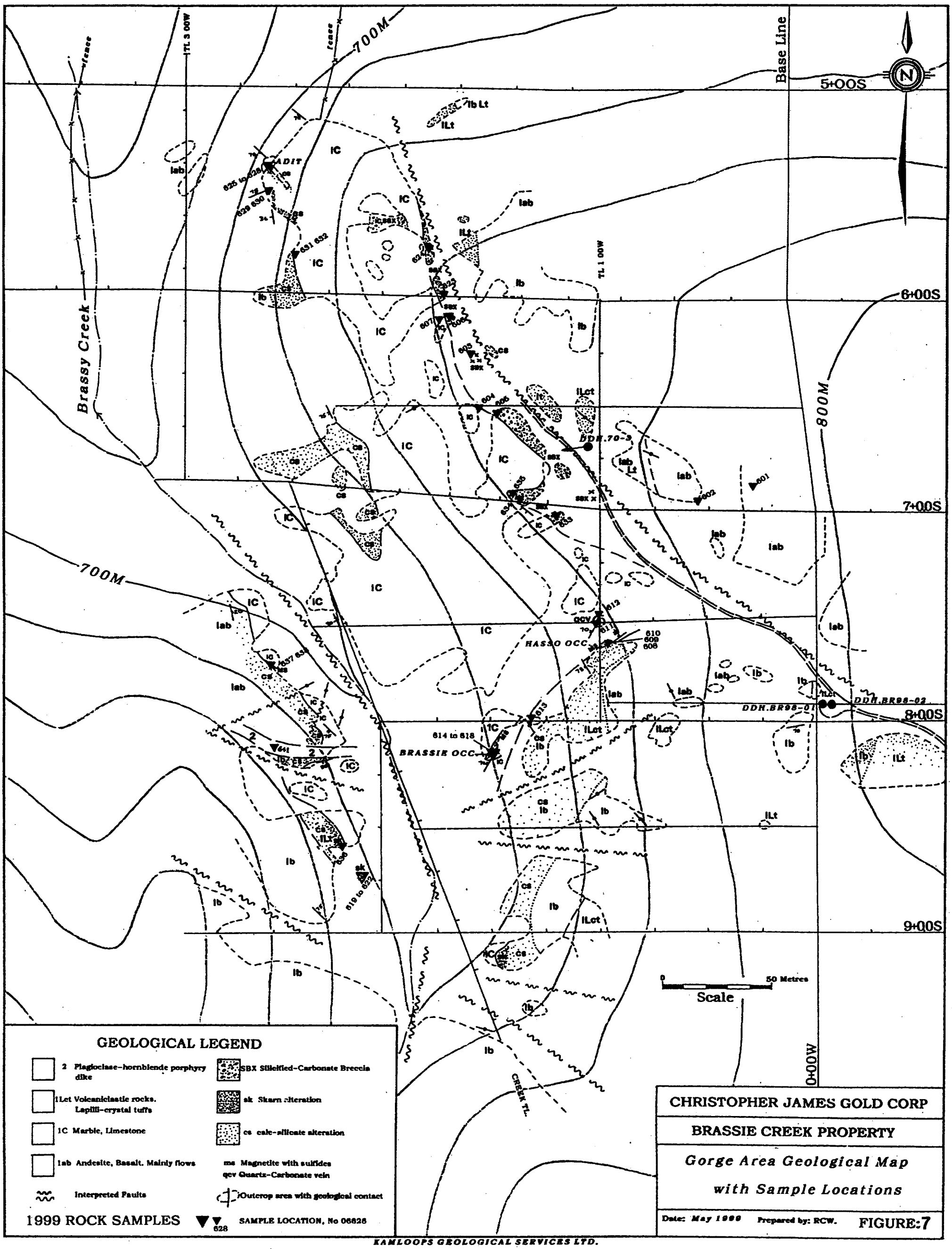


APPENDIX A
Statment of Work 1999

APPENDIX B
Geological Mapping: Gorge Area
Figure 7
Table 3 with Laboratory Certificates
Whole Rock Discrimination Plots

Table 3, ETK Certificates and Whole Rock Discrimination Plots

R. C. Wells, P.Geo., FGAC. Kamloops Geological Services Ltd.


Base Line
5+00S
6+00S
7+00S
8+00S
9+00S
700M
800M
TL 3 00W
TL 1 00W
Brassy Creek
CREEK TL
fence
lab
IC
ILt
lb Lt
lb
ILct
cs
sbx
sk
ADIT
DDH.70-3
DDH.BR98-01
DDH.BR98-02
HASSO OCC.
BRASSIE OCC.
QCV
614 to 618
619 to 622
0
50 Metres
Scale
GEOLOGICAL LEGEND
2 Plagioclase-hornblende porphyry dike
1Lct Volcaniclastic rocks. Lapilli-crystal tuffs
1C Marble, Limestone
1ab Andesite, Basalt. Mainly flows
Interpreted Faults
SBX Silicified-Carbonate Breccia
sk Skarn Alteration
cs calc-silicate alteration
ms Magnetite with sulfides
qcv Quartz-Carbonate vein
Outcrop area with geological contact
1999 ROCK SAMPLES
SAMPLE LOCATION, No 06626
CHRISTOPHER JAMES GOLD CORP
BRASSIE CREEK PROPERTY
Gorge Area Geological Map
with Sample Locations
Date: May 1999
Prepared by: RCW.
FIGURE:7
KAMLOOPS GEOLOGICAL SERVICES LTD.

BRASSIE CREEK PROPERTY: 1999 PROGRAM-MINERALIZED SAMPLES. CERTIFICATE AK99-91

TABLE 3

SAMPLE NO	GRID LOCATION	SAMPLE TYPE	SAMPLE DESCRIPTION	Au ppb	Ag ppm	Cu ppm	Zn ppm	Pb ppm	As ppm	Co ppm
06601	6+89 S, 0+30 W	Grab, s/c	Oxidized, siliceous/bleached, fractured andesite.	90	3.4	15	93	126	45	1
06602	6+96 S, 0+57 W	Grab, o/c	Altered breccia/lapilli tuff with fine grey quartz veinlet stockwork. Weak oxidized.	15	1.6	24	<1	18	25	8
06603	6+28 S, 1+55 W	Grab, o/c	Siliceous breccias 7 metres from limestone/contact. Minor fine grained black sulfide minerals ?	85	12.2	184	439	282	145	1
06604	6+51 S, 1+49 W	3m Grab, o/c	Contact area, siliceous breccias and marble, fine black sulfides, manganese staining.	20	7.2	168	364	200	75	1
06605	6+45 S, 1+45 W	1m Chip, o/c	Contact area, siliceous breccia and marble, fine black sulfides, local manganese staining.	270	23.4	149	306	702	95	1
06606	6+10 S, 1+64 W	Grab, o/c	Siliceous breccias with fine dark sulfides, sphalerite possible tetrahedrite.	80	21.0	299	1654	494	250	4
06607	6+11 S, 1+70 W	3m Grab, o/c	Marble, fractured near contact with siliceous breccia, some fine sphalerite, manganese staining.	10	3.2	110	770	76	35	1

R. C. Wells, P.Geo., FGAC. Kamloops Geological Services Ltd.

SAMPLE NO	GRID LOCATION	SAMPLE TYPE	SAMPLE DESCRIPTION	Au ppb	Ag ppm	Cu ppm	Zn ppm	Pb ppm	As ppm	Co ppm
06608	7+64 S, 0+98 W	0.8m Grab/Chip	Hasso Showing. Sample across massive magnetite, epidote contact with marble/limestone.	10	2.4	165	3671	40	260	25
06609	7+63 S, 0+96 W	1.2m Chip, o/c	Hasso Showing. Sample across magnetite skarn in blast pit.	70	8.2	181	2165	1388	165	24
06610	7+62 S, 0+99 SW	Grab, Dump	Hasso Showing. Select magnetite sample.	600	94.0	538	1758	1984	275	18
06611	7+52 S, 1+00 W	0.6m Chip, o/c	Quartz-carbonate veining in marble/limestone with manganese staining, fine sulfides?	20	2.0	141	546	128	115	12
06612	7+48 S, 1+00 W	Grab, o/c	0.35m quartz-carbonate vein near above sample manganese staining, fine black sulfides?	5	1.4	98	478	116	110	2
06613	8+00 S, 1+32 W	0.7m Chip, o/c	Contact between calc-silicate and marble with dark sphalerite. Appears to be a lens! Manganese staining.	45	5.0	987	1651	28	180	49
06614	8+18 S, 1+55 W	1.0m chip, o/c	Brassie Showing. Sample across marble, massive magnetite.	5	1.2	26	254	4	70	2

R. C. Wells, P.Geo., FGAC. Kamloops Geological Services Ltd.

TABLE 3

SAMPLE NO	GRID LOCATION	SAMPLE TYPE	SAMPLE DESCRIPTION	Au ppb	Ag ppm	Cu ppm	Zn ppm	Pb ppm	As ppm	Co ppm
06615	8+18 S, 1+55 W	1.0m Chip, o/c	magnetite, garnet, epidote skarn of Brassie Showing with malachite specks, strong manganese staining	850	5.6	1178	5055	<2	320	76
06616	8+18 S, 1+56 W	0.6m Chip, o/c	Sample across marble-skarn contact. Magnetite, garnet, epidote. Brassie Showing.	5	0.8	17	244	6	35	1
06617	8+20 S, 1+56 W	0.7m Chip, o/c	Sample across magnetite skarn, malachite, manganese zone. Brassie Showing.	155	7.4	4351	3583	324	325	210
06618	8+20 S, 1+56 W	1.0m Chip, o/c	As above. Brassie Showing.	5	1.8	980	358	54	55	12

R. C. Wells, P.Geo., FGAC. Kamloops Geological Services Ltd.

TABLE 3

SAMPLE NO	GRID LOCATION	SAMPLE TYPE	SAMPLE DESCRIPTION	Au ppb	Ag ppm	Cu ppm	Zn ppm	Pb ppm	As ppm	Co ppm
06619	8+72 S, 2+10 W	1.0m Chip o/c	**New Garnet-Cu Showing.** Dark red to green garnet >epidote. Carbonate, patchy actinolite. F/m grained dissem. cpy.	270 (0.24 g/t)	4.2	2877	243	116	1080	129
06620	As above	1.0m Chip o/c	Banded cm scale-actinolite with reddish brown garnet, local magnetite, dissem f/m Cpy.	630 (0.87 g/t)	2.8	1123	211	54	1105	216
06621	As above	1.0m Chip o/c	Red to green garnet, coarser carbonate, local actinolite with pink rhodonite, some erthyrite? Rare magnetite.	>10. (1.54 g/t)	2.4	21	64	<2	1175	663
06622	As above	0.3m Chip, o/c	As sample above, fine reddish garnet, sparse sulfides.	845 (1.12 g/t)	2.0	39	96	2	825	257

R. C. Wells, P.Geo., FGAC. Kamloops Geological Services Ltd.

TABLE 3

BRASSIE CREEK PROPERTY: 1999 PROGRAM-MINERALIZED SAMPLES. CERTIFICATE AK99-95

SAMPLE NO	GRID LOCATION	SAMPLE TYPE	SAMPLE DESCRIPTION	Au ppb	Ag ppm	Cu ppm	Zn ppm	Pb ppm	As ppm	Co ppm
06623	6+00 S, 1+72 W	1.5m Chip, o/c	Siliceous breccia with abundant fine grained dark minerals, possible sphalerite. Manganese staining.	65	4.2	340	2225	405	105	5
06624	5+75 S, 1+76 W	Grab, 0.5m o/c	Siliceous breccia with fine grained dark minerals as above.	40	2.6	292	604	408	70	2
06625	5+40 S, 2+60 W	1.1m Chip, o/c	Sample across marble, oxidized fracture zone. Southern side of Adit. Galena, malchite, hematite, some tetrahydrite.	10	5.2	1273	2.08 %	24	100	5
06626	5+40 S, 2+60 W	0.3m Chip, o/c	Adit, oxidized structural zone with malachite.	40	39.5	1195	19.80 %	97	1875	7
06627	5+40 S, 2+60 W	1.0m Chip, o/c	Sample across calc-silicate alteration at adit entrance. Minor galena, malachite staining.	5	0.07	1210	1.36 %	8	100	18
06628	5+40 S, 2+60 W	0.2m Chip, o/c	North side of Adit. Sample across a siliceous jaspery zone.	5	1.4	838	76	305	535	21
06629	5+50 S, 2+62 W	1.0m Chip, o/c	Oxidized fracture sone 11 meters south of adit within limestone/marble. Possible sphalerite, manganese.	5	1.6	225	92	398	30	2

R. C. Wells, P.Geo., FGAC. Kamloops Geological Services Ltd.

TABLE 3

SAMPLE NO	GRID LOCATION	SAMPLE TYPE	SAMPLE DESCRIPTION	Au ppb	Ag ppm	Cu ppm	Zn ppm	Pb ppm	As ppm	Co ppm
06630	5+50 S, 2+64 W	0.3m Chip, o/c	Sample of strongly oxidized fractured marble with malachite staining, possible sphalerite.	90	9.8	2167	1.58 %	336	185	5
06631	5+76 S, 2+47 W	0.3m Chip, o/c	Strongly oxidized fracture zone in marble.	190	45.2	286	1953	60	75	2
06632	5+76 S, 2+47 W	0.5m Chip, o/c	Jaspery vein along flat lying structure in marble/limestone.	45	8.0	186	5.70 %	250	400	2
06633	7+05 S, 1+23 W	0.6m Chip, o/c	Silicified breccia with fine grained black minerals. Possible sphalerite, tetrahedrite, manganese.	340	24.0	186	812	546	90	1
06634	6+99 S, 1+45 W	1.3m Chip, o/c	Silicified breccia near marble contact with 15% fine dark minerals possible sphalerite, tetrahedrite.	255	41.8	1028	3.10 %	1300	280	2
06635	6+93 S, 1+48 W	Grab, s/c	Silicified breccia at marble contact, sphalerite?	375	70.0	1156	7749	1650	280	4

R. C. Wells, P.Geo., FGAC. Kamloops Geological Services Ltd.

TABLE 3

BRASSIE CREEK PROPERTY: 1999 PROGRAM MINERALIZED SAMPLES. CERTIFICATE AK-99-96

06636	8+60 S, 2+20 W	Grab, o/c	Sample across garnet skarn with epidote.	55	2	528	1426	507	105	17
06637	7+77 S, 2+50 W	Grab,	Massive magnetite at marble, calc-silicate contact.	30	1.2	24	218	L 0.2	74	90
06638	7+77 S, 2+50 W	0.8m Chip, Grab, o/c	Massive magnetite with fine chalcopyrite.	220	3.3	992	4225	18	206	148

R. C. Wells, P.Geo., FGAC. Kamloops Geological Services Ltd.

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CERTIFICATE OF ASSAY AK 99-91

CHRISTOPHER JAMES GOLD CORP.
1381 MAPLE STREET
VANCOUVER, BC
V6J 3S1

20-May-99

ATTENTION: BRIAN HIGGS

No. of samples received: 22
Sample type: Rock
PROJECT #: BR-01
SHIPMENT #: 1
Samples submitted by: Ron Wells

ET #.	Tag #	Au (g/t)	Au (oz/t)	Ag (g/t)	Ag (oz/t)
10	06610	-	-	94.0	2.74
20	06620	0.87	0.025	-	-
21	06621	1.54	0.045	-	-

QC DATA:

Repeat:					
21	06621	1.38	0.040	-	-
Standard:					
STD-M		1.41	0.041	-	-

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B.C. Certified Assayer

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cc: ron wells fax @ 372-1012

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CERTIFICATE OF ASSAY AK 99-91R

CHRISTOPHER JAMES GOLD CORP.
1381 MAPLE STREET
VANCOUVER, BC
V6J 3S1

27-May-99

ATTENTION: BRIAN HIGGS

No. of samples received: 22
Sample type: Rock
PROJECT #: BR-01
SHIPMENT #: 1
Samples submitted by: Ron Wells

		Requested Resplits	
ET #.	Tag #	Au (g/t)	Au (oz/t)
19	06619	0.24	0.007
22	06622	1.12	0.033

QC DATA:

Repeat:			
22	06622	1.03	0.030
Standard:			
STD-M		1.42	0.041

per

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cc: ron wells fax @ 372-1012

19-May-99

ECO-TECH LABORATORIES LTD.
10041 East Trans Canada Highway
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Phone: 604-573-5700
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ICP CERTIFICATE OF ANALYSIS AK 99-91

CHRISTOPHER JAMES GOLD CORP.
1381 MAPLE STREET
VANCOUVER, BC
V6J 3S1

ATTENTION: BRIAN HIGGS

No. of samples received: 22
Sample type: Rock
PROJECT #: BR-01
SHIPMENT #: 1
Samples submitted by: R. Wells

Values in ppm unless otherwise reported

Et #.	Tag #	Au(ppb)	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
1	06601	90	3.4	0.28	45	240	<5	0.16	1	1	31	15	2.26	<10	0.02	105	6	<0.01	1	690	126	5	<20	12	0.01	<10	36	<10	27	93
2	06602	15	1.6	0.63	25	95	10	0.46	1	8	57	24	3.91	<10	0.27	333	1	0.05	4	860	18	<5	<20	10	0.10	20	68	<10	10	<1
3	06603	85	12.2	0.05	145	160	<5	2.65	9	1	175	184	1.35	<10	<0.01	364	17	<0.01	6	150	282	60	<20	16	<0.01	<10	6	<10	<1	439
4	06604	20	7.2	0.05	75	45	<5	9.30	6	1	156	168	1.22	<10	<0.01	1146	12	<0.01	6	1060	200	15	<20	38	<0.01	<10	11	<10	17	364
5	06605	270	23.4	0.03	95	50	<5	4.41	4	1	167	149	1.03	<10	<0.01	511	16	<0.01	5	170	702	15	<20	21	<0.01	<10	8	<10	1	306
6	06606	80	21.0	0.07	250	55	<5	>10	28	4	89	299	2.13	<10	<0.01	2752	10	<0.01	6	560	494	65	<20	58	<0.01	<10	17	<10	11	1654
7	06607	10	3.2	0.03	35	10	<5	>10	55	1	52	110	0.74	<10	0.06	2536	6	0.01	2	190	76	30	<20	384	<0.01	<10	6	<10	8	770
8	06608	10	2.4	0.20	260	65	<5	>10	34	25	29	165	8.53	<10	0.04	6299	9	<0.01	3	600	40	<5	<20	88	0.02	<10	19	<10	<1	3671
9	06609	70	8.2	0.20	165	360	10	9.31	33	24	41	161	>10	<10	0.04	2634	19	<0.01	6	380	1388	20	<20	53	<0.01	<10	25	<10	<1	2165
10	06610	600	>30	0.08	275	160	<5	0.26	4	18	105	538	>10	<10	<0.01	346	41	<0.01	6	130	1984	15	<20	24	<0.01	30	15	<10	<1	1758
11	06611	20	2.0	0.06	115	65	<5	>10	7	12	109	141	1.78	<10	0.03	2930	8	<0.01	4	180	128	15	<20	67	<0.01	<10	13	<10	<1	546
12	06612	5	1.4	0.04	110	40	<5	>10	9	2	95	98	0.64	<10	0.02	1595	3	<0.01	3	180	116	15	<20	55	<0.01	<10	8	<10	2	478
13	06613	45	5.0	0.50	180	410	<5	>10	15	49	27	987	4.07	<10	0.45	4671	5	<0.01	5	530	28	15	<20	121	0.01	<10	27	<10	10	1651
14	06614	5	1.2	0.01	70	15	<5	>10	5	2	7	26	0.22	<10	0.31	3650	<1	0.01	<1	220	4	20	<20	381	<0.01	<10	5	<10	<1	254
15	06615	850	5.6	0.04	370	595	<5	>10	20	76	47	1178	>10	<10	0.16	10000	15	0.01	4	50	<2	30	<20	108	0.07	<10	7	<10	<1	5055
16	06616	5	0.8	<0.01	35	20	<5	>10	5	1	3	17	0.20	<10	0.22	1522	1	<0.01	<1	180	6	10	<20	300	<0.01	<10	4	<10	<1	244
17	06617	155	7.4	0.03	325	160	<5	6.27	41	210	22	4350	>10	<10	<0.01	6324	24	0.01	2	<10	324	65	<20	28	0.01	<10	7	<10	<1	3583
18	06618	5	1.8	0.01	55	95	<5	>10	10	12	3	980	0.49	<10	0.21	2031	2	0.01	<1	140	54	75	<20	290	<0.01	<10	5	<10	<1	358
19	06619	270	4.2	0.11	1080	75	<5	>10	3	129	37	2877	>10	<10	0.06	6297	20	0.01	1	<10	116	<5	<20	38	0.01	<10	5	<10	<1	243
20	06620	630	2.8	0.11	1105	75	<5	>10	3	216	36	1123	>10	<10	0.06	5943	19	0.01	<1	150	54	<5	<20	37	0.01	<10	4	<10	<1	211
21	06621	>1000	2.4	0.10	1175	70	25	>10	2	663	35	21	>10	<10	0.04	7605	19	<0.01	<1	160	<2	<5	<20	28	0.01	<10	5	<10	<1	64
22	06622	845	2.0	0.13	825	65	10	>10	2	257	30	39	>10	<10	0.12	6738	16	0.01	2	240	2	<5	<20	40	0.01	<10	5	<10	<1	96

CHRISTOPHER JAMES GOLD CORP. ICP CERTIFICATE OF ANALYSIS AK 99-91 ECO-TECH LABORATORIES LTD.

Et #.	Tag #	Au(ppb)	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
QC DATA:																														
Resplit:																														
1	06601	100	3.6	0.29	50	265	<5	0.16	<1	<1	41	17	2.26	<10	0.02	108	7	<0.01	2	690	128	<5	<20	8	0.01	<10	36	<10	27	113
Repeat:																														
1	06601	90	3.8	0.27	45	235	<5	0.16	1	<1	30	14	2.22	<10	0.02	102	5	<0.01	1	690	126	5	<20	8	0.01	20	36	<10	26	94
10	06610	600	>30	0.08	270	165	<5	0.24	4	19	101	526	>10	<10	<0.01	335	40	<0.01	7	120	1962	25	<20	26	<0.01	20	15	<10	<1	1725
Standard:																														
GEO'99		125	1.4	1.70	55	175	<5	1.70	1	19	58	89	3.93	<10	0.94	697	<1	0.02	24	650	18	10	<20	57	0.10	<10	74	<10	6	70

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CERTIFICATE OF ASSAY AK 99-95

CHRISTOPHER JAMES GOLD CORP.
1381 MAPLE STREET
VANCOUVER, BC
V6J 3S1

27-May-99

ATTENTION: BRIAN HIGGS

No. of samples received: 13
Sample type: Rock
PROJECT #: BR-02
SHIPMENT #: 1
Samples submitted by: R. Wells

ET #.	Tag #	Ag (g/t)	Ag (oz/t)	Zn (%)
3	06625	-	-	2.08
4	06626	39.4	1.15	19.8
5	06627	-	-	1.36
8	06630	-	-	1.58
9	06631	45.2	1.32	-
10	06632	-	-	5.70
12	06634	58.0	1.69	3.10
13	06635	70.0	2.04	-

QC DATA:

Repeat:				
3	06625	-	-	2.08
9	06631	45.2	1.32	
Standard:				
Mpla		70.0	2.04	18.6
CCU-1a		-	-	2.90

ECO-TECH LABORATORIES LTD.
per Frank J. Pezzotti, A.Sc.T.
B.C. Certified Assayer

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cc: ron wells fax @ 372-1012

27-May-99

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10041 East Trans Canada Highway
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ICP CERTIFICATE OF ANALYSIS AK 99-95

CHRISTOPHER JAMES GOLD CORP.
1381 MAPLE STREET
VANCOUVER, BC
V6J 3S1

ATTENTION: BRIAN HIGGS

No. of samples received: 13
Sample type: Rock
PROJECT #: BR-02
SHIPMENT #: 1
Samples submitted by: R. Wells

Values in ppm unless otherwise reported

Et #.	Tag #	Au(ppb)	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
1	06623	65	4.2	0.13	105	85	<5	2.76	28	5	141	340	2.53	<10	0.01	842	12	<0.01	6	360	406	10	<20	17	<0.01	<10	11	<10	9	2225
2	06624	40	2.6	0.05	70	75	<5	7.95	50	2	177	292	1.64	<10	<0.01	659	16	<0.01	6	170	408	105	<20	38	<0.01	<10	5	<10	<1	605
3	06625	10	5.4	0.33	100	145	<5	>10	225	5	34	1274	2.44	<10	0.44	4257	<1	0.01	3	510	24	30	<20	191	0.01	<10	18	<10	<1	>10000
4	06626	40	>30	0.49	1875	85	<5	>10	>1000	7	33	1196	6.25	<10	0.23	3320	<1	<0.01	3	280	98	<5	20	82	<0.01	<10	28	<10	<1	>10000
5	06627	5	<0.2	2.42	100	80	<5	>10	101	18	27	1211	5.69	<10	1.76	5387	<1	0.01	6	2030	8	25	<20	150	0.26	<10	157	<10	6	>10000
6	06628	5	1.4	0.41	535	130	<5	0.30	7	21	43	838	>10	<10	<0.01	787	87	0.01	5	470	306	<5	60	30	0.02	10	37	<10	<1	7674
7	06629	5	1.6	0.42	30	35	<5	>10	179	2	12	226	1.57	<10	0.59	4823	2	0.06	<1	340	398	30	<20	266	0.02	<10	24	<10	4	920
8	06630	90	9.8	0.31	185	50	<5	>10	205	5	60	2168	3.47	<10	0.05	3743	<1	0.01	3	410	336	360	<20	109	<0.01	<10	35	<10	11	>10000
9	06631	190	>30	0.19	75	35	<5	>10	113	2	51	287	2.10	<10	0.16	2050	5	0.01	2	220	62	85	<20	316	<0.01	<10	26	<10	23	1954
10	06632	45	8.0	0.16	400	175	<5	>10	>1000	2	55	186	1.66	<10	0.07	6948	<1	<0.01	3	160	250	20	<20	111	0.02	<10	28	<10	<1	>10000
11	06633	340	24.2	0.02	90	175	<5	0.95	7	1	214	186	1.76	<10	<0.01	242	24	<0.01	7	200	546	70	<20	11	<0.01	<10	11	<10	<1	813
12	06634	255	>30	0.07	280	30	<5	2.69	67	2	125	1029	0.86	<10	<0.01	332	<1	<0.01	5	650	1306	190	<20	15	<0.01	<10	15	<10	<1	>10000
13	06635	375	>30	0.04	280	20	<5	>10	11	4	113	1156	1.57	<10	<0.01	1531	21	<0.01	5	860	1660	205	<20	58	<0.01	<10	15	<10	18	7749
QC DATA:																														
Resplit:																														
1	06623	65	4.4	0.13	105	75	<5	2.62	26	5	160	341	2.52	<10	<0.01	837	14	<0.01	7	370	404	10	<20	16	<0.01	<10	10	<10	7	2150
Repeat:																														
1	06623	65	4.6	0.13	105	80	<5	2.77	27	5	141	347	2.54	<10	<0.01	848	12	<0.01	6	370	412	10	<20	17	<0.01	<10	11	<10	9	2229
Standard:																														
GEO'99		125	1.2	1.85	70	165	5	1.91	1	21	68	80	4.01	10	1.03	710	1	0.01	22	710	20	5	20	60	0.10	10	81	10	7	74

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cc: ron wells fax @ 372-1012

ECO-TECH LABORATORIES LTD.
Frank J. Pezzotti, A.Sc.T.
B.C. Certified Assayer

27-May-99

ECO-TECH LABORATORIES LTD.
10041 East Trans Canada Highway
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ICP CERTIFICATE OF ANALYSIS AK 99-96

CHRISTOPHER JAMES GOLD CORP.
1381 MAPLE STREET
VANCOUVER, BC
V6J 3S1

ATTENTION: BRIAN HIGGS

No. of samples received: 3
Sample type: Rock
PROJECT #: BR-03
SHIPMENT #: 3
Samples submitted by: R. Wells

Values in ppm unless otherwise reported

Et #.	Tag #	Au(ppb)	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
1	06636	55	2.0	0.16	105	35	<5	>10	59	17	56	529	2.94	<10	0.06	6539	5	<0.01	2	190	508	165	<20	83	0.01	<10	16	<10	43	1427
2	06637	30	1.2	0.18	75	295	70	4.51	4	91	24	24	>10	<10	<0.01	3819	30	<0.01	7	140	<2	<5	<20	16	0.01	<10	16	<10	<1	218
3	06638	220	3.4	0.42	205	645	<5	>10	28	149	42	993	5.36	<10	0.11	>10000	7	<0.01	3	310	18	<5	<20	102	0.06	<10	15	<10	<1	4226
QC DATA:																														
Resplit:																														
1	06636	50	2.0	0.15	105	25	<5	>10	55	19	57	520	3.00	<10	0.06	6443	7	<0.01	3	200	502	165	<20	73	0.01	<10	16	<10	43	1412
Repeat:																														
1	06636	50	2.0	0.15	110	30	<5	>10	59	18	55	532	3.01	<10	0.06	6567	6	<0.01	2	210	514	160	<20	76	0.01	<10	16	<10	47	1430
Standard:																														
GEO'99		135	0.8	1.74	60	155	<5	1.80	<1	19	61	81	3.96	<10	0.98	699	<1	0.03	25	620	18	15	<20	56	0.12	<10	76	<10	6	74

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cc: ron wells fax @ 372-1012

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WHOLE ROCK CERTIFICATE OF ANALYSIS AK99-97

CHRISTOPHER JAMES GOLD CORP.
1381 MAPLE STREET
VANCOUVER, BC
V6J 3S1

27-May-99

ATTENTION: BRIAN HIGGS

No. of samples Received: 3
Sample Type: Rock
PROJECT #: BR-03
SHIPMENT #: 3
Sample submitted by: Ron Wells

Values expressed in percent

ET #.	Tag #	BaO	P205	SiO2	MnO	Fe203	MgO	Al203	CaO	TiO2	Na2O	K20	L.O.I.
1	06639	0.11	0.25	60.09	0.16	5.92	2.35	16.90	5.21	0.65	4.43	2.43	1.50
2	06640	0.12	0.33	60.19	0.10	5.34	1.50	17.86	3.19	0.59	5.53	3.15	2.10
3	06641	0.07	0.25	58.65	0.12	6.00	3.27	16.46	3.19	0.69	5.21	3.38	2.70
QC/DATA:													
Repeat #:													
1	06639	0.10	0.30	60.21	0.15	5.97	2.35	16.80	5.21	0.64	4.39	2.39	1.50
Standard:													
SY2		0.08	0.45	59.77	0.32	6.18	2.81	11.89	7.80	0.13	4.21	4.52	1.84
MRG1		0.01	0.04	39.16	0.17	17.73	13.02	8.42	14.79	3.58	0.70	0.16	2.22

ECO-TECH LABORATORIES LTD.
Frank J. Pezzotti, A.Sc.T.
B.C. Certified Assayer

XLS/98
df/wr97
cc: ron wells fax @ 372-1012

27-May-99

ECO-TECH LABORATORIES LTD.
10041 East Trans Canada Highway
KAMLOOPS, B.C.
V2C 6T4

Phone: 604-573-5700
Fax : 604-573-4557

ICP CERTIFICATE OF ANALYSIS AK 99-97

CHRISTOPHER JAMES GOLD CORP.
1381 MAPLE STREET
VANCOUVER, BC
V6J 3S1

ATTENTION: BRIAN HIGGS

No. of samples received: 3
Sample type: Rock
PROJECT #: BR-03
SHIPMENT #: 3
Samples submitted by: R. Wells

Values in ppm unless otherwise reported

Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
1	06639	<0.2	1.30	<5	55	<5	1.63	<1	15	64	70	3.79	<10	0.57	448	<1	0.08	9	1010	4	<5	<20	40	0.13	<10	111	<10	<1	79
2	06640	<0.2	0.94	15	235	<5	1.04	<1	9	41	60	3.38	<10	0.71	493	2	0.06	3	1230	2	5	<20	56	0.08	<10	78	<10	<1	46
3	06641	<0.2	1.24	<5	95	<5	1.68	<1	20	45	110	4.10	<10	1.58	808	<1	0.08	16	830	<2	15	<20	30	0.14	<10	127	<10	<1	39
QC DATA:																													
Repeat:																													
1	06639	<0.2	1.29	<5	50	<5	1.59	<1	14	63	69	3.72	<10	0.57	436	<1	0.08	9	1020	4	<5	<20	36	0.12	<10	109	<10	<1	78
Standard:																													
GEO'99		1.0	1.72	65	160	5	1.67	<1	18	59	78	3.91	<10	0.96	656	<1	0.03	26	630	16	10	<20	54	0.11	<10	76	<10	6	65

df/96
XLS/99
cc: ron wells fax @ 372-1012

ECO-TECH LABORATORIES LTD.
Frank J. Pezzotti, A.Sc.T.
B.C. Certified Assayer

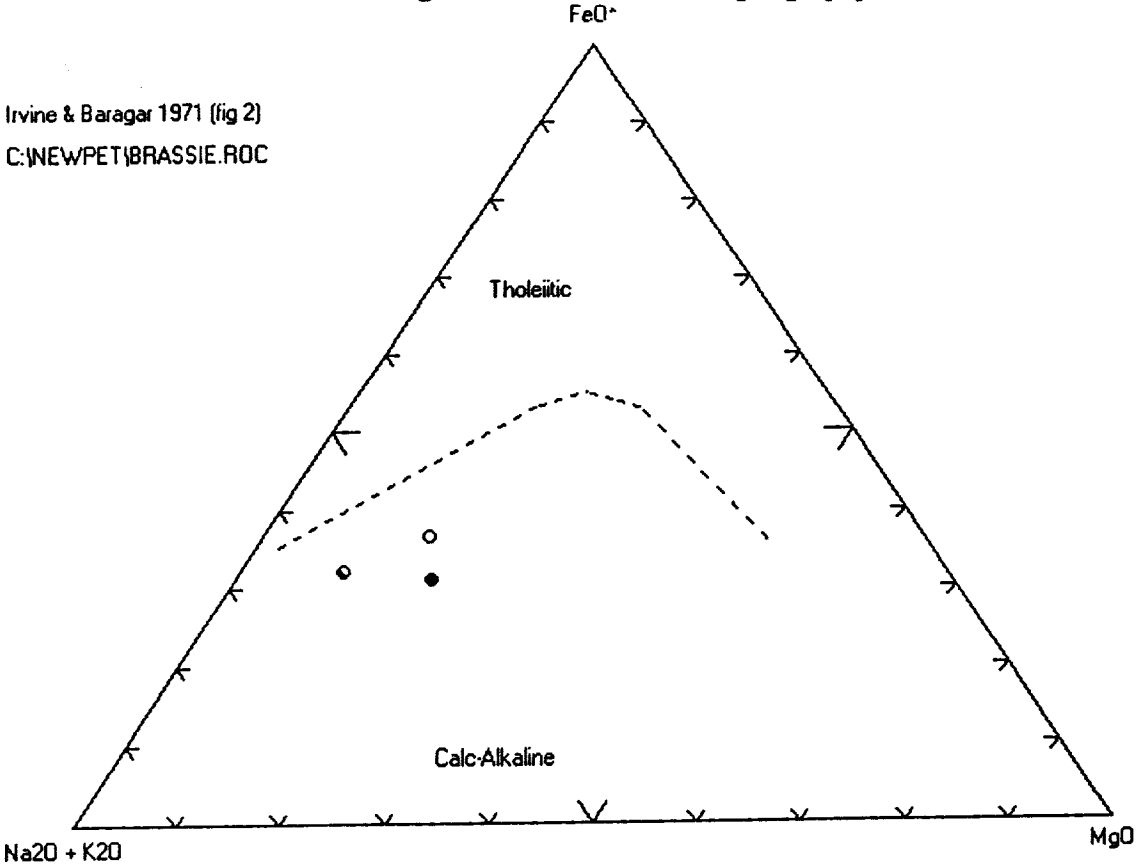
WHOLE ROCK DATA AND DISCRIMINATION DIAGRAMS FOR INTRUSIVE ROCK SAMPLES

File Name	C:\NEWPET\BRASSIE.ROC		Anhydrous
05-27-1999	18:09:28		
Sample	06639	06640	06641
Locality 1			
Locality 2			
Plot Symbol	1	2	3
Plot Colour	1	1	1
Rock Type	MD.	MD.	PH.POR.
Anhyd Coeff	1.01636	1.02270	1.02859
SiO2	61.07	61.56	60.33
TiO2	0.66	0.60	0.71
Al2O3	17.18	18.27	16.93
Fe2O3*	6.02	5.46	6.17
MnO	0.16	0.10	0.12
MgO	2.39	1.53	3.36
CaO	5.30	3.26	3.28
Na2O	4.50	5.66	5.36
K2O	2.47	3.22	3.48
P2O5	0.25	0.34	0.26
Total	100.00	100.00	100.00
LOI	1.50	2.10	2.70

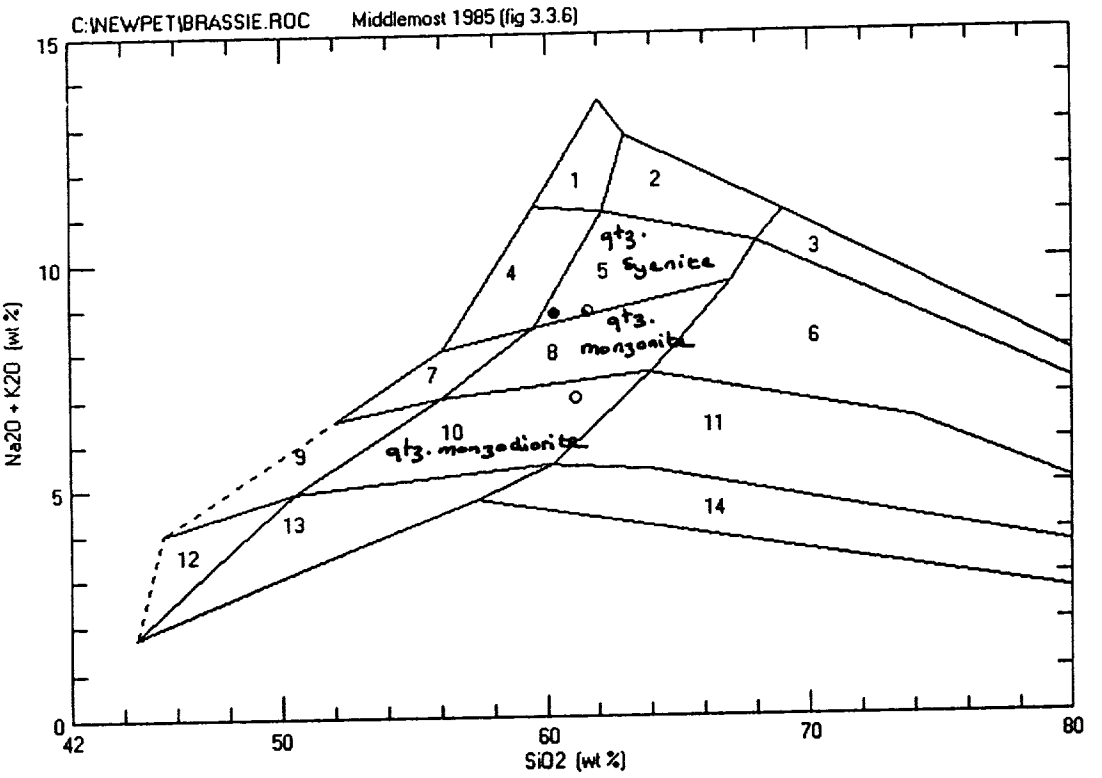
S.06639 400S/770E Equigranular, med.grained monzonite/diorite

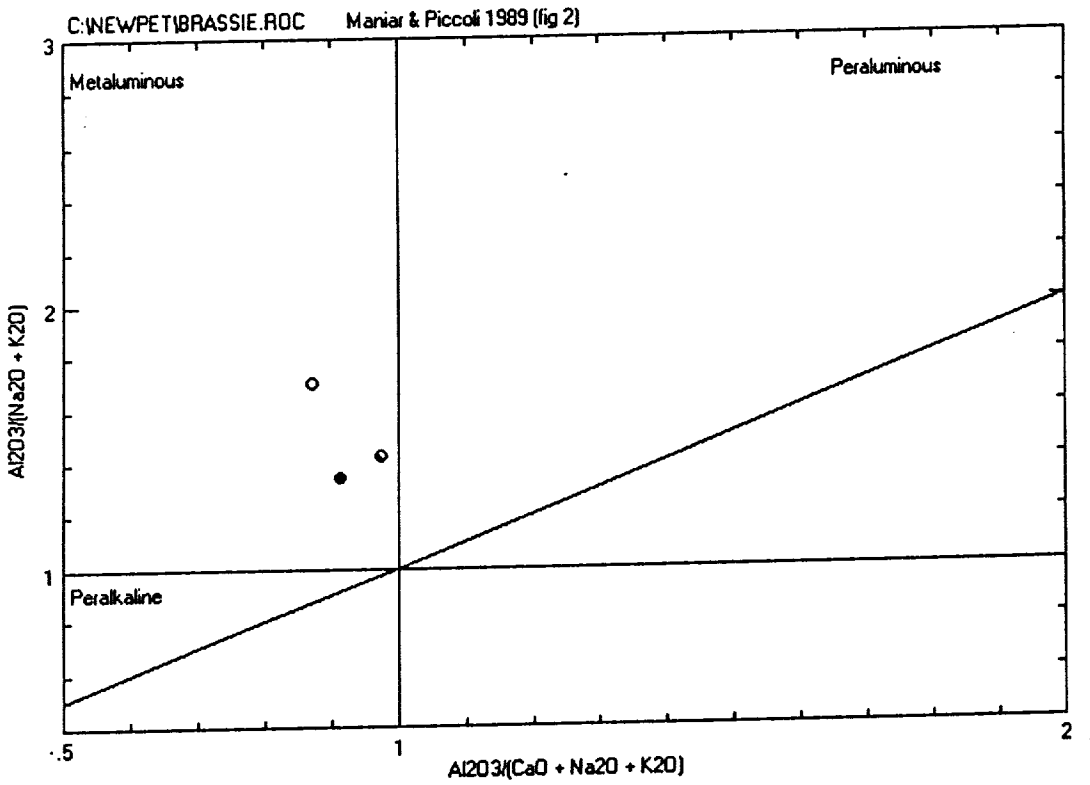
S.06640 310S/120E Fine-med. grained monzonite

S.06641 815S/250W Plagioclase-hornblende porphyry dike



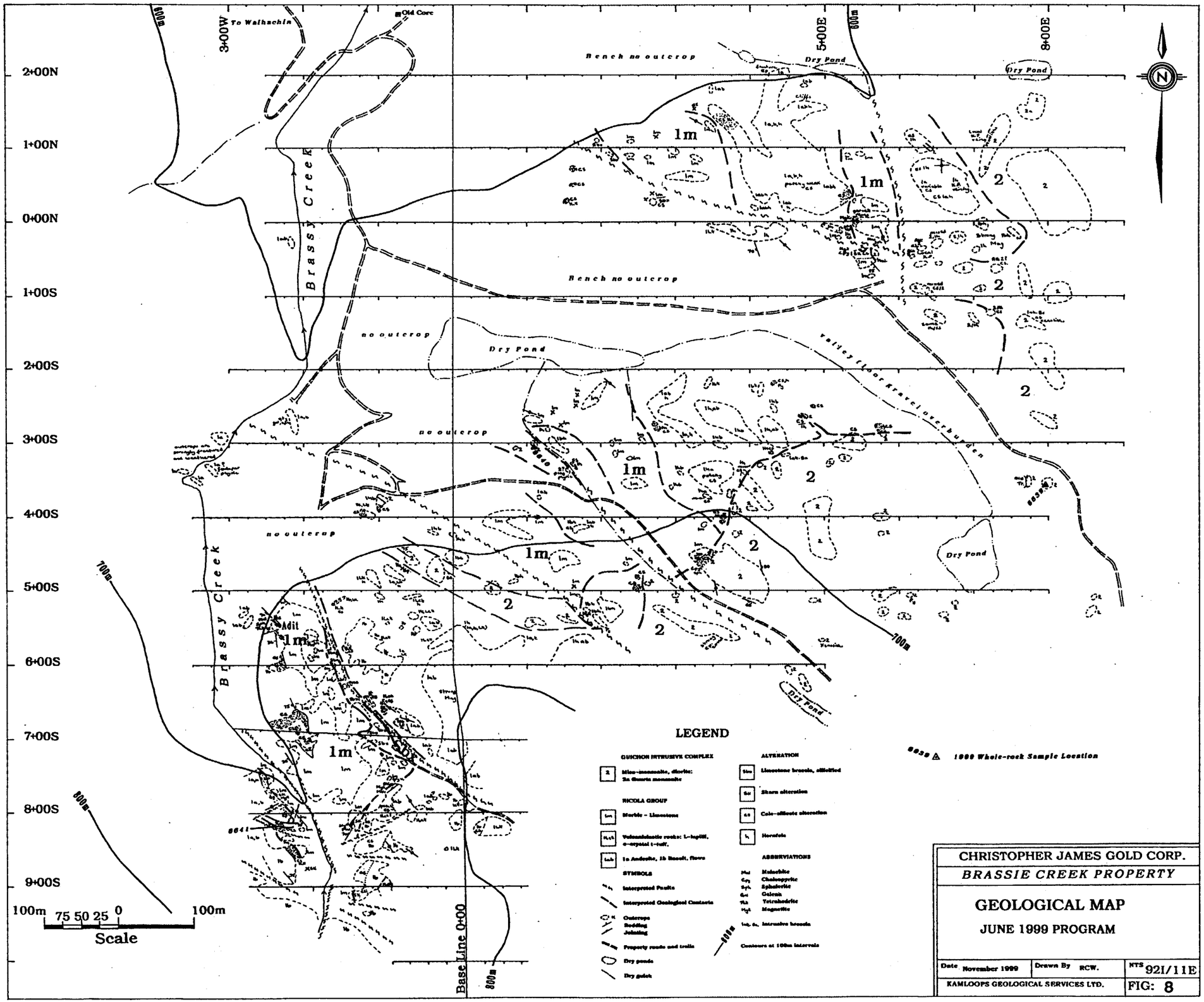
DISCRIMINATION DIAGRAMS FOR INTRUSIVE ROCK SAMPLES

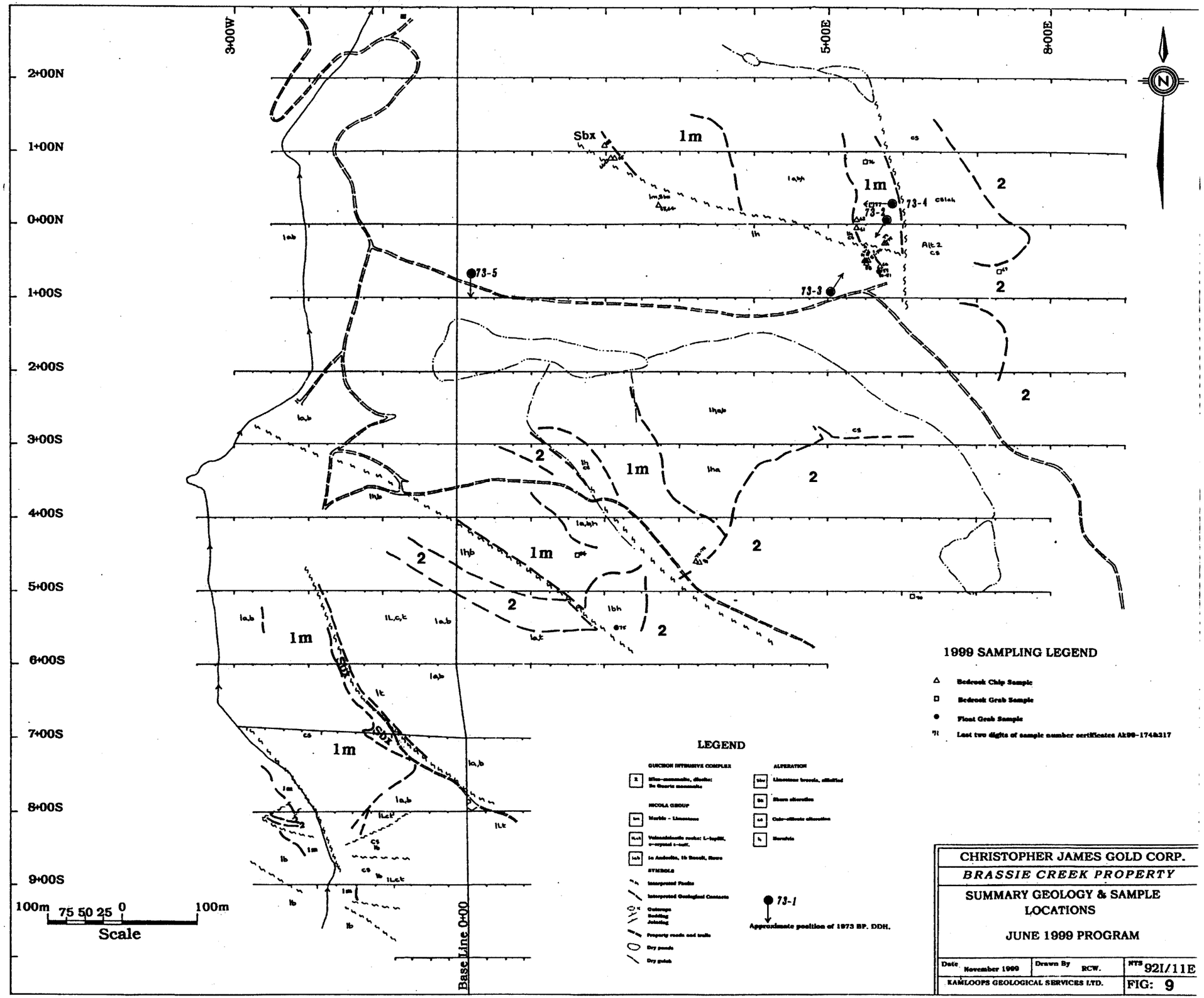




APPENDIX C
Geological Mapping: Benchland Area
Figures 8 and 9
Tables 4 and 5 with Laboratory Certificates

R. C. Wells, P.Geo., FGAC. Kamloops Geological Services Ltd.


3+00W
5+00E
8+00E
2+00N
1+00N
0+00N
1+00S
2+00S
3+00S
4+00S
5+00S
6+00S
7+00S
8+00S
9+00S
800m
To Walhachin
Old Core
Brassy Creek
Bench no outcrop
Dry Pond
no outcrop
valley floor gravel overburden
1m
2
Adit
100m 75 50 25 0 100m
Scale
Base Line 0+00
LEGEND
GUICHON INTRUSIVE COMPLEX
NICOLA GROUP
Marble – Limestone
SYMBOLS
Interpreted Faults
Interpreted Geological Contacts
Outcrops
Bedding
Jointing
Property roads and trails
Dry ponds
Dry gulch
ALTERATION
Limestone breccia, silicified
Skarn alteration
Calc-silicate alteration
Hornfels
ABBREVIATIONS
Malachite
Chalcopyrite
Sphalerite
Galena
Tetrahedrite
Magnetite
Intrusive breccia
Contours at 100m intervals
1999 Whole-rock Sample Location
CHRISTOPHER JAMES GOLD CORP.
BRASSIE CREEK PROPERTY
GEOLOGICAL MAP
JUNE 1999 PROGRAM
Date November 1999
Drawn By RCW.
NTS 92I/11E
KAMLOOPS GEOLOGICAL SERVICES LTD.
FIG: 8


3+00W
5+00E
8+00E
2+00N
1+00N
0+00N
1+00S
2+00S
3+00S
4+00S
5+00S
6+00S
7+00S
8+00S
9+00S
Sbx
1m
2
73-1
73-2
73-3
73-4
73-5
Alt.2
cs
Base Line 0+00
100m 75 50 25 0 100m
Scale
1999 SAMPLING LEGEND
Bedrock Chip Sample
Bedrock Grab Sample
Float Grab Sample
Last two digits of sample number certificates Ak98-174&217
LEGEND
GUICHON INTRUSIVE COMPLEX
NICOLA GROUP
Marble - Limestone
SYMBOLS
Interpreted Faults
Interpreted Geological Contacts
Property roads and trails
Dry ponds
Dry gulch
ALTERATION
Silica alteration
Calc-silicate alteration
Skarnoids
Approximate position of 1973 BP. DDH.
CHRISTOPHER JAMES GOLD CORP.
BRASSIE CREEK PROPERTY
SUMMARY GEOLOGY & SAMPLE LOCATIONS
JUNE 1999 PROGRAM
Date November 1999
Drawn By RCW.
NTS 92I/11E
KAMLOOPS GEOLOGICAL SERVICES LTD.
FIG: 9

BRASSIE CREEK PROPERTY: 1999 PROGRAM -MINERALIZED SAMPLES. CERTIFICATE AK99-174

SAMPLE NO.	GRID LOCATION	SAMPLE TYPE	SAMPLE DESCRIPTION	Au ppb	Ag ppm	Cu ppm	Zn ppm	Pb ppm	As ppm	Co ppm
06651	0+47S 5+58E	1.4 m chip Az. 065E	Massive magnetic lens approx. 1m wide. Calc-silicate, epidote-carbonate wallrocks. Local malachite with the magnetite	15	0.8	1882	128	<2	195	37
06652	0+49S 5+58E	1.0m chip Az 140S	Upper part of outcrop, strong epidote, patchy carbonate. Some fine metallics and hematite. Local small magnetite lens, bands.	10	1.0	943	687	2	50	34
06653	0+48S 5+58E	1.0m chip Az 140S	Adjacent to above. Epidote-carbonate skarn. Fine to medium grained	10	0.4	255	378	10	35	17
06654	0+47S 5+58E	1.0m chip Az 140 S	Adjacent to above. Epidote-carbonate skarn with massive magnetite lens, bands plus malachite. Local garnet.	55	0.6	2443	272	4	115	49
06655	0+48S 5+53E	1.0m chip	Garnet skarn, carbonate with magnetite lens, bands up to 20cm wide. Minor malachite.	10	<0.2	186	634	6	225	16
06656	0+50S 5+51E	1.5m chip	Garnet skarn with epidote minor magnetite.	10	0.4	275	989	16	100	7

R. C. Wells, P.Geo., FGAC. Kamloops Geological Services Ltd.

Table 4-Brassie Benchland Area.

SAMPLE NO.	GRID LOCATION	SAMPLE TYPE	SAMPLE DESCRIPTION	Au ppb	Ag ppm	Cu ppm	Zn ppm	Pb ppm	As ppm	Co ppm
06657	0+50S 5+51E	1.0m chip	Adjacent to above. Marble line. Medium grained marble with rusty zones, local malachite.	25	3.0	1141	771	206	215	11
06658	0+52S 5+55E	grab sample o/c	Rusty zone in marble. About 20cm exposed width, local malachite staining.	120	8.0	772	709	450	50	5
06659	0+68S 5+70E	grab sample	Rusty silicified marble with malachite. Much fracture controlled mineralization. Select sample.	235	21.6	1619	945	1866	290	6
06660	0+65S 5+69E	1.5m chip	Rubbly marble, oxidized fractures, local malachite. May be other fine sulfides?	40	1.8	477	692	280	145	5
06661	0+02S 5+35E	1.5m chip, panel	Marble-metavolcanic (hornfels) contact with magnetite lenses and veins mainly in volcanics, maximum width of magnetite 15cm.	70	0.8	287	1888	42	50	30
06662	0+02N 5+35E	1.1m chip Az 135SE	Marble with garnet veins up to 15cm wide. Local fine chalcopyrite. Malachite.	15	1.4	1363	4780	32	75	11
06663	0+25N 2+70E	1.2m chip Az 000N	Carbonate breccia silicified matrix, with strongly oxidized fractures-limonitic.	10	0.2	23	548	24	30	1

R. C. Wells, P.Geo., FGAC. Kamloops Geological Services Ltd.

Table 4-Brassie Benchland Area.

SAMPLE NO.	GRID LOCATION	SAMPLE TYPE	SAMPLE DESCRIPTION	Au ppb	Ag ppm	Cu ppm	Zn ppm	Pb ppm	As ppm	Co ppm
06664	0+25N 2+70E	Grab sample	Silicified marble with oxidized sulphide blebs.	15	0.8	57	57	24	25	<1
06665	0+87N 2+17E	1.3m chip Az 90E	Silicified carbonate breccia with strong limonitic zones.	10	0.4	49	302	22	80	4
06666	0+85N 2+05E	1.1m chip Az 90E	Silicified-carbonate breccia, limonitic.	10	0.4	15	124	36	22	2
06667	0+85N 2+03E	1.5m chip Az 90E	Adjacent and west of above, more oxidized silicified-carbonate breccia.	5	<0.2	16	363	28	70	5
06668	1+10N 1+98E	1.3m chip Az 90E	Strongly oxidized, cherty limestone breccia locally jaspery.	20	0.2	35	454	42	120	4

R. C. Wells, P.Geo., FGAC. Kamloops Geological Services Ltd.

Table 4–Brassie Benchland Area.

BRASSIE CREEK PROPERTY: 1999 PROGRAM -MINERALIZED SAMPLES. CERTIFICATE AK99-217

SAMPLE NO.	GRID LOCATION	SAMPLE TYPE	SAMPLE DESCRIPTON	Au ppb	Ag ppm	Cu ppm	Zn ppm	Pb ppm	As ppm	Co ppm
06669	0+65S 7+30E	Grab o/c	Epidote-carbonate-garnet skarn possible endoskarn.	<5	<0.2	12	602	94	35	23
06670	5+05S 6+15E	Grab o/c	Micro-diorite with 4-5% dissem. med./coarse Py.Possible Cpy?	<5	<0.2	79	24	8	<5	12
06671	4+64S 3+20E	0.70m chip Az 090E	Calc-silicate alteration with epidote, minor carbonate. Patchy dissem. Cpy. Azurite, malachite staining.	25	3.2	4543	2261	12	680	11
06672	4+65S 3+18E	0.50m chip Az 090E	Calc-silicate alteration. Local strong oxidation, manganese staining, some sphalerite? Local malachite.	10	0.8	744	2936	4	370	12
06673	4+65S 3+18E	0.70m chip Az 090E	Same as previous sample part of zone.	5	0.4	46	116	2	300	5
06674	4+50S 1+65E	Grab o/c, Talus	Marble with hematitic, oxidized veinlets/fractures.	10	0.4	25	318	10	30	2
06675	5+47S 2+15E	Float 15cm Dia. Grab	Medium grained calc-silicate, garnet skarn, some malchite on fractures.	25	<0.2	526	73	8	5	19

R. C. Wells, P.Geo., FGAC. Kamloops Geological Services Ltd

Table 4-Brassie Benchland Area.

SAMPLE NO.	GRID LOCATION	SAMPLE TYPE	SAMPLE DESCRIPTON	Au ppb	Ag ppm	Cu ppm	Zn ppm	Pb ppm	As ppm	Co ppm
06676	0+85N 5+40E	Grab from o/c	Fractured marble with some malachite. Low density of oxidized veinlets.	10	0.8	287	113	18	20	1
06677	0+23N 5+46E	Grab from o/c	Marble with mm. scale brown oxidized veinlets. 2m east of contact with hornfels. Local malachite.	5	0.8	19	106	10	25	1
06678	0+30S 5+76E	1m chip Az 090E	silicified marble. North side of gully. Patchy oxidation.	10	5.2	218	659	454	50	3
06679	0+30S 5+76E	1.33m chip Az 090E	As above adjacent sample. Local strong oxidation and malachite.	170	>30 101.1 g/t	1023	987	870	205	6
06680	0+68S 5+20E	Grab Float	Silicified marble with some quartz veinlets. Patchy oxidation. Some quartz druse. Local malachite	330	9.6	859	776	570	65	3
06681	0+68S 5+20E	Grab Float	Silicified marble, brecciated. Very fine quartz veinlets. Local malachite.	130	10.8	2569	870	1462	510	5

R. C. Wells, P.Geo., FGAC. Kamloops Geological Services Ltd

Table 4-Brassie Benchland Area.

28-Jun-99

ECO-TECH LABORATORIES LTD.
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V2C 6T4

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Fax : 604-573-4557

ICP CERTIFICATE OF ANALYSIS AK 99-174

CHRISTOPHER JAMES GOLD CORP.
C/O RON WELLS
910 HEATHERTON CRT.
KAMLOOPS, BC, V1S 1P9

ATTENTION: BRIAN HIGGS

No. of samples received: 18
Sample type: Rock
PROJECT #: BR
SHIPMENT #: BR:P2-1
Samples submitted by: R. Wells

Values in ppm unless otherwise reported

Et #.	Tag #	Au(ppb)	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
1	06651	15	0.8	0.97	195	115	<5	9.46	3	37	29	1882	>10	<10	0.33	1804	15	0.01	9	400	<2	<5	<20	55	0.02	<10	43	<10	<1	128
2	06652	10	1.0	1.58	50	80	<5	>10	4	34	34	943	9.50	<10	0.37	2487	9	0.01	9	740	2	<5	<20	34	0.07	<10	68	<10	<1	687
3	06653	10	0.4	1.43	35	95	<5	>10	3	17	45	255	8.93	<10	0.24	2052	4	<0.01	6	680	10	<5	<20	30	0.13	<10	38	<10	13	378
4	06654	55	0.6	0.94	115	90	<5	9.71	3	49	32	2443	>10	<10	0.21	1567	12	<0.01	43	140	4	<5	<20	23	0.08	<10	29	<10	<1	272
5	06655	10	<0.2	0.54	225	120	<5	>10	5	16	30	186	>10	20	0.11	2061	9	<0.01	12	4160	6	<5	<20	50	0.05	<10	129	<10	<1	634
6	06656	10	0.4	0.69	100	85	<5	>10	20	7	34	275	2.69	<10	0.12	1883	4	0.01	5	640	16	25	<20	52	0.03	<10	33	<10	3	989
7	06657	25	3.0	0.46	215	55	<5	>10	13	11	44	1141	3.65	30	0.15	2369	4	0.01	9	7530	206	75	<20	120	0.03	<10	292	<10	58	771
8	06658	120	8.0	0.12	50	25	<5	>10	38	5	67	772	3.54	<10	0.02	1115	7	<0.01	6	1140	450	10	<20	58	<0.01	<10	152	<10	9	709
9	06659	235	21.6	0.17	290	115	<5	8.18	31	6	102	1619	4.11	<10	0.04	1033	13	<0.01	8	560	1866	220	<20	25	<0.01	<10	59	<10	2	945
10	06660	40	1.8	0.43	145	50	<5	>10	15	5	65	477	2.63	<10	0.12	1519	5	<0.01	5	1130	280	100	<20	40	0.02	<10	99	<10	2	692
11	06661	70	0.8	1.30	50	80	<5	>10	18	30	20	287	>10	<10	0.39	2249	17	0.01	11	670	42	<5	<20	85	<0.01	<10	74	<10	<1	1888
12	06662	15	1.4	0.17	75	20	<5	>10	83	11	34	1363	4.88	<10	0.05	2959	4	<0.01	3	100	32	<5	<20	531	<0.01	<10	9	<10	<1	4780
13	06663	10	0.2	0.02	30	85	<5	9.87	11	1	116	23	1.01	<10	0.05	976	7	<0.01	6	210	24	<5	<20	41	<0.01	<10	14	<10	4	548
14	06664	15	0.8	0.02	25	505	<5	6.02	4	<1	113	57	0.68	<10	0.01	510	7	<0.01	4	770	24	5	<20	30	<0.01	<10	12	<10	21	57
15	06665	10	0.4	0.12	80	80	<5	1.72	2	4	117	49	2.94	<10	0.05	607	12	<0.01	9	710	22	<5	<20	11	<0.01	<10	56	<10	6	302
16	06666	10	0.4	0.03	30	75	<5	>10	5	2	78	15	1.04	<10	0.05	2223	8	<0.01	4	390	36	5	<20	71	<0.01	<10	19	<10	8	124
17	06667	5	<0.2	0.07	70	130	5	7.82	5	5	87	16	3.96	<10	0.02	886	16	<0.01	8	370	28	<5	<20	27	<0.01	<10	49	<10	4	363
18	06668	20	0.2	0.11	120	405	<5	6.15	4	4	123	35	4.45	<10	<0.01	1412	17	<0.01	11	900	42	15	<20	29	<0.01	<10	46	<10	11	454

CHRISTOPHER JAMES GOLD CORP. ICP CERTIFICATE OF ANALYSIS AK 99-174 ECO-TECH LABORATORIES LTD.

Et #.	Tag #	Au(ppb)	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
QC DATA:																														
Resplit:																														
1	06651	15	0.6	0.94	185	105	<5	9.16	3	38	31	1896	>10	<10	0.32	1799	15	0.01	7	440	<2	<5	<20	49	0.02	<10	42	<10	<1	136
Repeat:																														
1	06651	15	1.0	0.94	200	105	<5	9.17	3	38	31	1845	>10	<10	0.31	1771	14	0.01	5	430	2	<5	<20	52	0.02	<10	43	<10	<1	134
9	06659	225	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10	06660	-	1.8	0.39	140	50	<5	>10	15	4	62	446	2.44	<10	0.12	1447	4	<0.01	6	1100	262	95	<20	37	0.02	<10	94	<10	3	658
Standard:																														
GEO'99		125	1.0	1.67	65	155	<5	1.76	<1	18	66	82	4.05	<10	0.98	675	<1	0.03	25	630	20	10	<20	54	0.10	<10	73	<10	7	70

df/174
XLS/99
cc: ron wells fax @ 372-1012

ECO-TECH LABORATORIES LTD.
Frank J. Pezzotti, A.Sc.T.
B.C. Certified Assayer

12-Jul-99

ECO-TECH LABORATORIES LTD.
10041 East Trans Canada Highway
KAMLOOPS, B.C.
V2C 6T4

Phone: 604-573-5700
Fax : 604-573-4557

ICP CERTIFICATE OF ANALYSIS AK 99-217

CHRISTOPHER JAMES GOLD CORP.
C/O RON WELLS
910 HEATHERTON CRT.
KAMLOOPS, BC, V1S 1P9
V1S 1P9

ATTENTION: RON WELLS

No. of samples received: 13
Sample type: Rock
PROJECT #: BR
SHIPMENT #: BR:P2:2
Samples submitted by: R. Wells

Values in ppm unless otherwise reported

Et #.	Tag #	Au(ppb)	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
1	06669	<5	<0.2	0.58	35	420	<5	4.57	5	23	133	12	2.49	<10	0.36	1457	7	0.01	21	580	94	<5	<20	51	0.07	<10	281	<10	38	602
2	06670	<5	<0.2	1.45	<5	225	<5	0.33	<1	12	28	79	3.57	<10	1.14	343	4	0.03	5	1240	8	5	<20	16	0.01	<10	75	<10	<1	24
3	06671	25	3.2	0.99	680	45	<5	8.13	13	11	50	4543	2.73	<10	0.44	2413	<1	0.01	10	800	12	40	<20	26	0.09	<10	48	<10	10	2261
4	06672	10	0.8	0.46	370	40	<5	>10	16	12	59	744	5.62	<10	0.08	2853	3	0.01	3	240	4	<5	<20	9	0.02	<10	5	<10	<1	2936
5	06673	5	0.4	0.14	300	25	5	6.65	5	5	40	46	5.25	<10	0.04	1778	6	<0.01	3	<10	2	<5	<20	<1	<0.01	<10	3	<10	<1	116
6	06674	10	0.4	0.02	30	15	<5	>10	26	2	14	25	1.18	<10	0.03	1785	2	0.01	2	290	10	15	<20	209	<0.01	<10	10	<10	10	318
7	06675	25	<0.2	1.92	5	80	<5	1.50	<1	19	42	526	4.09	20	1.89	680	7	0.03	13	1500	8	10	<20	12	<0.01	<10	109	<10	10	73
8	06676	10	0.8	0.03	20	5	<5	>10	12	1	3	287	0.51	<10	0.18	2638	<1	0.01	<1	150	18	15	<20	470	<0.01	<10	12	<10	5	113
9	06677	5	0.8	0.05	25	25	<5	>10	5	1	5	19	0.37	<10	0.06	2124	<1	0.01	2	190	10	15	<20	908	<0.01	<10	15	<10	5	106
10	06678	10	5.2	0.10	50	40	<5	5.55	16	3	97	218	1.29	<10	0.01	728	3	<0.01	6	1860	454	40	<20	18	<0.01	<10	26	<10	11	659
11	06679	170	>30	0.10	205	35	<5	5.16	31	6	119	1023	3.11	<10	<0.01	838	18	<0.01	8	1230	870	255	<20	20	<0.01	<10	24	<10	6	987
12	06680	330	9.6	0.06	65	25	<5	>10	56	3	79	859	2.90	<10	<0.01	962	9	<0.01	5	220	570	35	<20	27	<0.01	<10	25	<10	5	776
13	06681	130	10.8	0.11	510	90	<5	>10	56	5	82	2569	1.56	<10	0.19	2139	5	<0.01	7	730	1462	455	<20	46	<0.01	<10	21	<10	13	870

CHRISTOPHER JAMES GOLD CORP. ICP CERTIFICATE OF ANALYSIS AK 99-217 ECO-TECH LABORATORIES LTD.

Et #.	Tag #	Au(ppb)	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
QC DATA:																														
Resplit:																														
1	06669	5	<0.2	0.55	35	415	<5	4.47	5	23	143	14	2.47	<10	0.34	1432	6	0.01	19	620	104	<5	<20	47	0.07	<10	272	<10	38	635
Repeat:																														
1	06669	<5	<0.2	0.55	40	400	5	4.48	5	24	130	12	2.44	<10	0.36	1430	7	0.01	19	590	96	5	<20	47	0.07	<10	272	<10	37	616
10	06678	-	5.4	0.10	50	40	<5	5.55	17	3	95	236	1.28	<10	0.01	729	3	<0.01	7	1860	462	40	<20	19	<0.01	<10	24	<10	10	657
Standard:																														
GEO'99		115	1.2	1.76	65	145	<5	1.80	<1	19	64	80	3.84	<10	0.96	688	<1	0.02	24	680	26	15	<20	60	0.09	<10	77	<10	7	73

df/201B
XLS/99
cc: ron wells fax @ 372-1012

ECO-TECH LABORATORIES LTD.
Frank J. Pezzotti, A.Sc.T.
B.C. Certified Assayer

1999 BRASSIE PROGRAM: SAMPLES FROM 1973 BP. DRILL CORE. CERTIFICATE AK99-216

SAMPLE NO.	HOLE NO.	INTERVAL M.	SAMPLE DESCRIPTION	Au ppb	Ag ppm	Cu ppm	Zn ppm	Pb ppm	As ppm	Co ppm
06501	1973-5	BOX #17 @130m	Mod/strong calc-silicate alt .Ep > carb. Patchy K.F. Local Qtz- carb. veinlets. Patchy silica. Fine fracture and dissem. Py.	<5	0.2	47	58	8	15	18
06502	1973-5	Box #19 @142M	Similar to above. Locally up to 8% dissem. and fracture Py.	<5	<0.2	27	155	56	25	21
06503	1973-5	Box # 24 170-176m	K.F.>epidote alterd fine lapilli tuff/bx. Local fabric 25-30CA. Fine fracture Py. Selected grabs.	<5	<0.2	8	47	6	10	8
06504	1973-5	Box #25 176-3-180.0m	Narrow brecciated F.P. dikes cutting calc-sil.+K.F. Altered volcaniclastics. Py in fractures +dissem. in both	<5	0.2	5	77	6	15	12
06505	1973-5	Box #25 180.0-183.0m Grab	Calc-sil. + K.F. altered vocaniclastics with fracture and dissem. Py.	<5	0.4	11	94	6	15	13
06506	1973-5	Box #27 190.8-198.42m	Calc-sil + K.F. strong alt. fracture ep+carb+Py below F.P. andesite	<5	<0.2	7	64	8	10	7
06507	1973-5	Box #29 205-212m? Grab@208m	Rubbly core. Mixture of F.P. intrusive? Calc-sil. Lapilli tuff. Up to several % Py.	<5	0.2	26	45	4	15	28

R. C. Wells, P.Geo., FGAC. Kamloops Geological Services Ltd

SAMPLE NO.	HOLE NO.	INTERVAL M.	SAMPLE DESCRIPTION	Au ppb	Ag ppm	Cu ppm	Zn ppm	Pb ppm	As ppm	Co ppm
06508	1973-5	Box # 31 220-227m Grab 220-222m	Cherty calc-sil. with magnetite. Local Py.	15	0.6	20	27	8	10	7
06509	1973-4	Box #3 14.0-17.22m	Fractured marble with Py zones local dark sphalerite, fairly coarse grained.	35	2.0	186	1138	310	55	8
06510	1973-4	Box #3 17.22-20.22m	As above.	35	3.4	324	1005	392	60	8
06511	1973-4	Box #5 28.0-35.0m	Marble oxidized down to 29.6m medium to coarse grained.	5	0.8	80	225	88	65	4
06512	1973-4	Box #6 @37.2m	Contact zone between marble and altered volcanics. Fine Py.	<5	0.2	91	217	14	30	16
06513	1973-4	Box #9 @60m?	Mixed basaltic flows with fine lapilli tuff. Numerous oxidized zones (composite sample).	<5	<0.2	36	92	6	10	20
06514	1973-4	Box #10 67.3-68.3m	Quartz veined, some vugs. Fine heterolithic lapilli tuffs.	5	<0.2	487	38	4	5	14
06515	1973-3A	Box #10 top 1.5m	Calc-sil. hornfels. Fine-med. Grained, some carb. Local patches of f/m. Py some Cpy	20	<0.2	106	93	10	20	24

R. C. Wells, P.Geo., FGAC. Kamloops Geological Services Ltd

Table 5

12-Jul-99

ECO-TECH LABORATORIES LTD.
10041 East Trans Canada Highway
KAMLOOPS, B.C.
V2C 6T4

Phone: 604-573-5700
Fax : 604-573-4557

ICP CERTIFICATE OF ANALYSIS AK 99-216

CHRISTOPHER JAMES GOLD CORP.
C/O RON WELLS
910 HEATHERTON CRT.
KAMLOOPS, BC, V1S 1P9

ATTENTION: RON WELLS

No. of samples received: 15
Sample type: Core
PROJECT #: BR
SHIPMENT #: BR:P2:3
Samples submitted by: R. Wells

Values in ppm unless otherwise reported

Et #.	Tag #	Au(ppb)	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
1	06501	<5	0.2	0.93	15	40	<5	2.49	<1	18	64	47	2.83	<10	0.82	936	6	0.05	8	490	8	10	<20	53	0.04	<10	59	<10	22	58
2	06502	<5	<0.2	1.29	25	30	10	2.22	1	21	50	27	3.73	<10	1.49	1101	2	0.05	8	400	56	15	<20	43	0.08	<10	116	<10	17	155
3	06503	<5	<0.2	1.05	10	45	10	1.21	<1	8	53	8	2.28	<10	0.95	698	2	0.05	3	380	6	15	<20	33	0.03	<10	52	<10	10	47
4	06504	<5	0.2	1.26	15	45	5	4.56	<1	12	44	5	2.90	<10	1.08	1260	3	0.04	5	470	6	10	<20	43	<0.01	<10	71	<10	19	77
5	06505	<5	0.4	1.51	15	20	10	1.86	<1	13	53	11	3.31	<10	1.38	1197	3	0.05	1	560	8	10	<20	29	<0.01	<10	47	<10	12	94
6	06506	<5	<0.2	1.13	10	15	10	2.26	<1	7	67	7	2.42	<10	1.03	1033	<1	0.05	3	550	8	15	<20	42	0.05	<10	43	<10	14	64
7	06507	<5	<0.2	0.93	15	15	10	1.91	<1	28	32	26	3.92	<10	1.05	870	<1	0.06	3	240	4	10	<20	28	0.11	<10	97	<10	20	45
8	06508	15	0.6	0.97	10	20	5	1.62	<1	7	95	20	1.64	<10	0.51	526	<1	0.07	4	280	8	10	<20	68	0.09	<10	16	<10	28	27
9	06509	35	2.0	0.43	55	35	<5	>10	31	8	39	183	3.06	<10	0.26	1620	6	0.02	5	730	310	10	<20	155	<0.01	<10	34	<10	13	1138
10	06510	35	3.4	0.48	60	30	<5	>10	26	8	30	324	3.59	<10	0.24	1314	6	0.02	7	650	392	15	<20	172	<0.01	<10	34	<10	8	1005
11	06511	5	0.8	0.33	65	<5	<5	>10	10	4	19	80	1.03	<10	0.19	1046	3	0.01	4	500	88	15	<20	822	0.01	<10	18	<10	2	225
12	06512	<5	0.2	0.57	30	5	<5	>10	2	16	15	91	2.01	<10	0.58	815	4	0.03	7	840	14	10	<20	295	0.04	<10	53	<10	9	217
13	06513	<5	<0.2	0.36	10	25	10	5.31	<1	20	24	36	3.80	<10	1.32	1060	4	0.04	6	340	6	15	<20	99	<0.01	<10	140	<10	19	92
14	06514	5	<0.2	0.89	5	20	<5	3.78	<1	14	66	487	2.80	<10	1.06	814	2	0.05	6	190	4	15	<20	58	0.04	<10	56	<10	29	38
15	06515	20	<0.2	1.90	20	40	<5	5.32	<1	24	47	106	3.80	<10	2.10	1288	3	0.06	13	200	10	20	<20	57	0.04	<10	149	<10	13	93

CHRISTOPHER JAMES GOLD CORP. ICP CERTIFICATE OF ANALYSIS AK 99-216 ECO-TECH LABORATORIES LTD.

Et #.	Tag #	Au(ppb)	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
QC DATA:																														
Resplit:																														
1	06501	<5	0.2	0.99	25	30	<5	2.55	<1	20	68	50	3.00	<10	0.85	973	7	0.05	8	490	8	10	<20	51	0.04	<10	62	<10	24	64
Repeat:																														
1	06501	<5	0.2	0.92	20	35	5	2.55	<1	18	65	48	2.83	<10	0.81	940	6	0.05	7	490	10	15	<20	50	0.04	<10	59	<10	23	63
10	06510	35	3.6	0.49	65	30	<5	>10	26	8	29	326	3.62	<10	0.25	1311	6	0.02	6	640	392	10	<20	172	<0.01	<10	35	<10	8	982
Standard:																														
GEO'99		115	1.2	1.74	70	160	5	1.83	1	20	63	82	3.86	<10	0.98	677	<1	0.02	24	700	22	<5	<20	58	0.09	<10	76	<10	8	68

df/201B
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cc: ron wells fax @ 372-1012

ECO-TECH LABORATORIES LTD.
Frank J. Pezzotti, A.Sc.T.
B.C. Certified Assayer

APPENDIX D
1999 Diamond Drilling Program

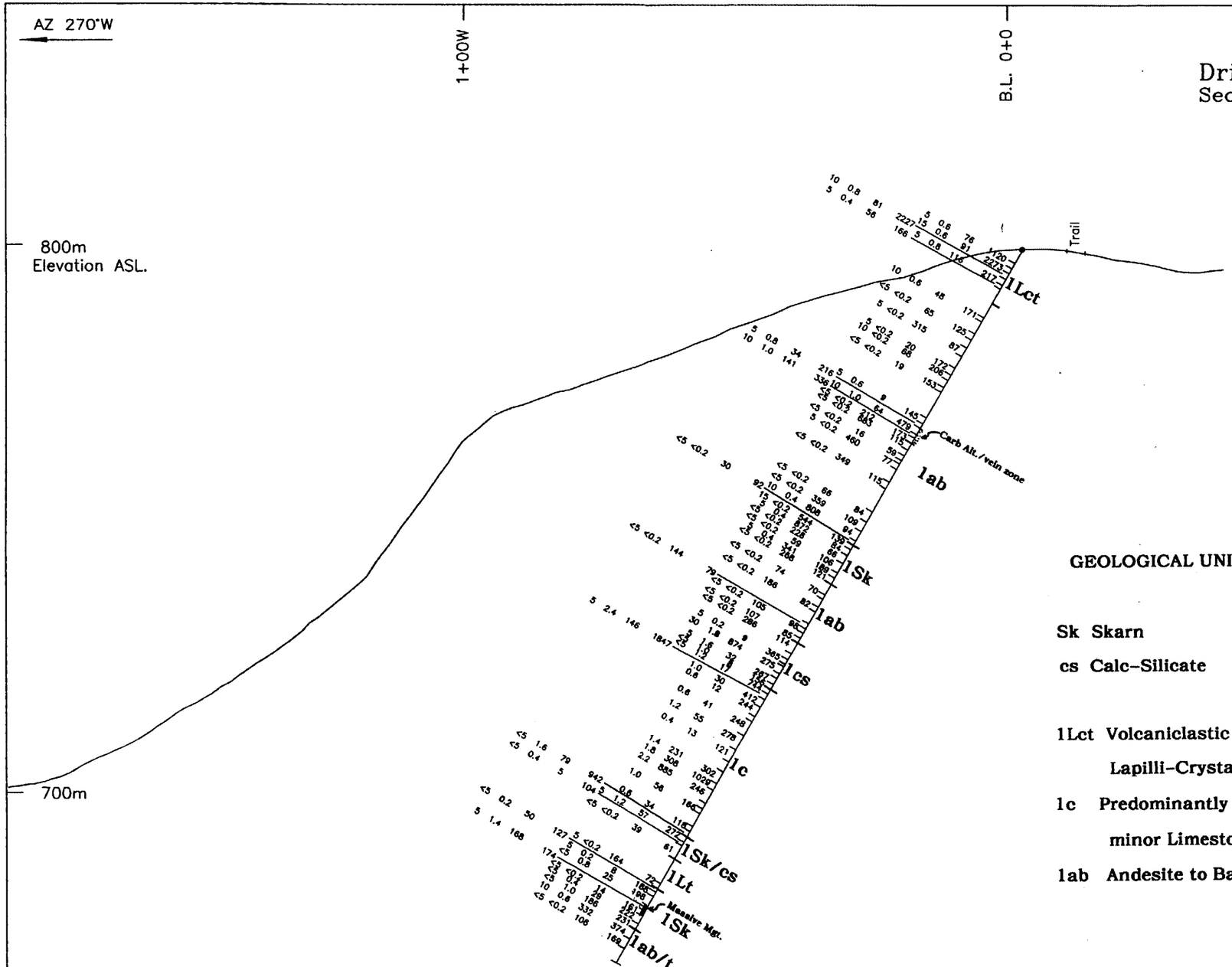
Drill Logs DDHs BR99-03, 04 and 05
Laboratory Certificates and Assay Intervals
Figures 10 to 14

KAMLOOPS GEOLOGICAL SERVICES LTD		DIAMOND DRILL LOG: DDH.BR99-03	
PROPERTY	: BRASSIE	**OWNER**	:CHRISTOPHER JAMES GOLD CORP
NTS	: 92I/11E,14E and 10W	**MINING DIVISION**	:KAMLOOPS M.D., BC
CLAIM	: BRASSIE 101	**LINE/STATION**	: 7+92S/0+4E
GRID	: MAIN	**INCLINATION AT COLLAR:**	-62^0
CASING	: 1.83M	**AZIMUTH**	: 270^{0}E
LENGTH	: 150.27M	**ACID TESTS**	: @101.50M - 60^0
LOGGED BY	: R.C. WELLS	**DRILLED BY**	: CORE ENTERPRISES LTD.
DATE	: Aug. 17-25, 1999	**DATES**	: Aug.15-20, 1999
CORE LOCATION: Amex, Kamloops		**CORE SIZE**	: NQ

PURPOSE OF THE HOLE: This hole was drilled at a steeper angle below DDH.BR98-01. In this earlier hole a polymetallic mineralized skarn-magnetite-marble interval 13.99 metres long averaged 0.23 g/t Au, 7.25 g/t Ag, 0.24% Cu and 1.90% Zn (below 64m depth).

R. C. Wells, P.Geo., FGAC. Kamloops Geological Services Ltd.

Drill Profile Looking North
Section Line 7+92S



LEGEND

GEOLOGICAL UNITS

Sk Skarn

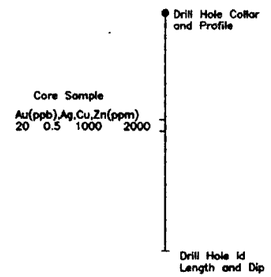
cs Calc-Silicate

1Lct Volcaniclastic Rocks, Lapilli-Crystal-Tuffs

1c Predominantly Marble, minor Limestone

1ab Andesite to Basalt Flows

Legend



CHRISTOPHER JAMES GOLD CORP.

Brassie Creek Property

Drillhole Profile
DDH BR99-03
Sample Values
Au,Ag,Cu,Zn

Date November 1999
Prepared By:RCW.

Figure: **10**

DRILL PROFILE LOOKING NORTH

SECTION LINE 7+92S

AZ. 270W

1+00W

BL.0+00

800m Elevation ASL.

700m

Brassie-Hasso Magnetite Skarn Trend
Az.45NE. Cu,Au,Ag,Zn,Pb.

TRAIL

Overburden

1Lct

1Lct

1Lct

1Lct

1Lt

1b

1ab

1ab

1ab

1ab

1ab

1cs

1c

1c

1c

1c

1H

1Lt/a

1Sk

1Sk

1Sk

1Lt

1ab/t

1H/cs

Mixed

1Sk, 1H

Mgt Bands

Cpy

Mgt Lenses Cpy

0.23gt Au;7.25gt Ag;0.24% Cu;1.9% Zn/ 13.90m.

Carb.veining

Strong carb. alt. Banded Qtz.-Carb. veins

Basic Hornfels patchy Carb,Ep. local Mgt veinlets.

50m

Fractured bleached with Carb(Qtz) vein stwk. Zn

strong Carb. veining

Heterogeneous, Ep,Carb. Local garnet

Coarse Carb. bands

Basic Hornfels patchy Carb,Ep.

Ep,Carb. local garnet,Sil,Mgt.

100m

Marble, weak fracturing

crude banding

1Sk/cs Ep,Carb. local garnet,Sil,Mgt.

Ep,Carb,local Hem,Sil.

massive Mgt.

Carb,Garnet,Mgt,local Hem,Sil,Ep,Chl.

Basic Hornfels, patchy Carb

DDH.BR98-01
152.4m -50

DDH.BR98-02
102.41m -50

DDH.BR98-03
150.27m -62

LEGEND

GEOLOGICAL UNITS

Sk Skarn

cs Calc-Silicate

1Lct Volcaniclastic Rocks, Lapilli-Crystal-Tuffs

1c Predominantly Marble, minor Limestone

1ab Andesite to Basalt Flows

0 10 20 30metres

Scale

CHRISTOPHER JAMES GOLD CORP
BRASSIE CREEK PROPERTY
DRILLHOLE PROFILE DDH.BR99-03 Previous Holes 98-01 & 02 Geology & Selected Intervals
Date: November 1999 Prepared by: RCW. FIGURE:11

DIAMOND DRILL LOG — BRASSIE PROPERTY

DDH.BR99-03

LITHOLOGY		G. L.	STRUCTURE	ALTERATION	MINERALIZATION	SAMPLING Metres			ANALYSES			
MAIN UNITS	SUB UNITS					From	To	No.	Au ppb.	Ag ppm.	Zn ppm.	Cu ppm
0-11.44 Fine Lapilli and Lithic-Crystal Tuffs lLct	0-1.83 Casing in Overburden Rubbly Outcrop.											
	1.83-2.86 Rubbly core recovery Grey to brown local fine lapilli tuff textures		Fractured and oxidized. variable angles to CA.	Patchy fine silicification Local epidote clots General weak carbonate	Patchy fine dissem. Py upto 3%. Non to weak magnetic							
	2.86-8.26 Patchy alteration and oxidation obscures textures. Protolith appears to be a fine lapilli tuff with lithic tuff (ash) sections Lapilli can be upto 2cm subangular to subrounded andesitic composition. Matrix ash to local fragment supported. Lithic-crystal tuffs have white tabular plagioclase and fine lithic ash to lapilli size fragments @ 4.30-4.76 Banded cryptic section		silica-carb veinlets variable angles CA siliceous + Pyritic banding in sil, lapilli tuff 35° CA Some hematitic and fine carbonate veinlets subparallel to 20° CA	Patchy silicification and carbonate alt. together or separate Epidote & weak patchy to absent	Patchy <1-2% fine dissem. and fracture veinlet Py upto 5% Py dissem/veinlet Patchy <1-3% fine dissem + veinlet Py Local weak magnetic	2.86	4.00	105401	5	0.6	1120	76
						4.00	5.00	105402	15	0.6	2273	91
						5.00	6.25	105403	10	0.8	2227	81
						6.25	7.50	105404	5	0.8	217	116
						7.50	8.26	105405	5	0.4	166	56
	8.26-8.66 medium green to brown plagioclase phyric with tabular laths to 2mm fine grained magnetic groundmass		Massive, some hairline carb veinlets low angle									
	8.66-10.15 Fine lapilli-lithic ash-crystal tuff crowded plagioclase laths grading downwards into more massive epid-carb-chl medium/strong magnetic hornfels (calc-silicate)		As above low angle carb veinlets contact 30° CA	Carb-chl. above Patchy Chl-Ep-Carb-Mgt-K.feld or Hem?	Local fine fracture Py							
	10.15-10.84 Medium to dark grey mls magnetic fine grained mafic hornfels.		Fairly massive local Mgt veinlets hosted 40-50° CA	Local large Ep patches patchy pervasive carb	Trace specks of fine Py							
	10.84-11.44 as at 8.26 plagioclase phyric fine grained unit, non magnetic.		A few high angle CA Carbonate veinlets	weak pervasive carb	-							
11.44-62.22 Meta-Andesite/Basalt Basic Hornfels	11.44-14.32 Medium to dark grey, fine grained basic hornfels, some magnetite (lacy veinlets) Increasing carbonate veinlets and epidote patches downwards		Local low angle carb veinlets. Discontinuous lacy Mgt veinlets 12.20-12.76 oxidized fracture zone	Patchy weak pervasive and veinlet carb. Local large Ep. patches, some bands 50° CA	Local fine dissem. Py							
	14.32-15.15 Crudely banded and altered Lithic ash-lapilli tuff?		Moderate to crude banding 40° CA some gypsum veins same angle	carbonate throughout variable Ep, Chl, K-feld? non magnetic.	Sparse Py. generally 1-2% v fine Py with Epid.	14.32	15.15	105406	10	0.6	171	48

KAMLOOPS GEOLOGICAL SERVICES LTD. LOGGED BY R.C. Wells DATE 12. August 1999.

DIAMOND DRILL LOG — BRASSIE PROPERTY

DDH.BR99-03

LITHOLOGY		G.L.	STRUCTURE	ALTERATION	MINERALIZATION	SAMPLING Metres			ANALYSES			
MAIN UNITS	SUB UNITS					From	To	No.	Au ppb.	Ag ppm.	Zn ppm.	Cu ppm.
	15.15 - 17.64 Medium to dark grey basic hornfels after andesite-basalt. Med-strong magnetic generally massive and fine grained		Low - local mod. density of fine epid-carb veinlets variable angles to CA.	Epidote-carbonate related to veinlets and as small patches. Carb. is not pervasive	Local specks of fine Py with ep., carb.							
	17.64 - 18.92 As above, stronger alteration and veining		Subparallel fracture qtz-carb and Ep veins near bottom 60°	Mod-strong pervasive and veinlet related ep, carb some sericite	Local fine Py.	17.64	18.92	105407	<5	<0.2	125	65
	18.92 - 20.60 Medium to dark grey basic hornfels, medium-strong magnetic. Generally massive and fine grained		Numerous fine hairline and irregular carb ± epid veinlets.	Veinlet related alteration local epid-carb. patches	Local fine specks of Py							
	20.60 - 35.48 as above		Stronger ep-carb with fracturing. Numerous fine carb veinlets	Fracture and patchy pervasive carb, epid M/S magnetic	Sparse fine sulfides Local small aggregate of fine Cpy with epidote veining	20.60	22.40	105408	5	<0.2	87	315
		22.40	Variable fine carb epid veinlets	Not as strong alt. as above. Patchy generally veinlet related. M/S magnetic	Sparse fine sulfides							
		24.88	More fractured zone 10-30° CA oxidized fractures with associated carb veins	Patchy M/S epidote - carb. alteration veinlet to pervasive weak magnetic in oxidized areas	Local fine Py? with epidote	24.88	26.30	105409	5	<0.2	172	20
						26.30	27.46	105410	10	<0.2	206	68
		27.46	weak - moderate fracture veinlets carb-epid	Fracture related as above becoming more pervasive carb. with depth	Sparse fine sulfides							
			More veining upto 1cm 30-35° and high angle CA.			29.00	30.00	105411	<5	<0.2	153	19
		30.50										

KAMLOOPS GEOLOGICAL SERVICES LTD. LOGGED BY .... DATE 17 Aug. 1999.

DIAMOND DRILL LOG — BRASSIE PROPERTY

DDH.BR99-03

LITHOLOGY		G.L.	STRUCTURE	ALTERATION	MINERALIZATION	SAMPLING Metres			ANALYSES			
MAIN UNITS	SUB UNITS					From	To	No.	Au ppb.	Ag ppm.	Zn ppm.	Cu ppm
30	30.44											
	As above		several 10-30°CA brittle fractures blocky recovery Moderate veinlet ep-carb throughout High angle magnetite (lensy) veinlets near bottom of section	Predominantly veinlet carbonate at top becomming pervasive downwards. Carb also along low angle fractures. Epidote is fracture controlled local weak patchy pervasive. Local dark chlorite patches.	sparse Py.							
35	35.48 - 37.64 Medium brownish grey, similar to above but with mod/strong pervasive carbonate downwards. Non to weak magnetic Basically altered wallrocks to zone below		variable carbonate veining 20°-30°CA stronger than above	moderate to strong pervasive carb. No epidote other than local weak patches local veinlets/patches of chlorite, veinlet hematite	sparse very fine disseminated Py.	35.48	36.74	105412	5	<0.2	146	9
						36.74	37.64	105413	5	0.6	216	34
	37.64 - 40.79 ZONE OF STRONG CARBONATE ALTERATION AND BANDED QUARTZ-CARBONATE VEINS. Intense alteration and variable veining overprint textures (protolith) Non magnetic		Numerous qtz-carb veins locally broken 60-90°CA epithermal style banded qtz-carb vein zone 37.2-37.9 Sharp contact 60°CA	Light brown to pinkish from carbonate-hematite alteration - pervasive Patchy pervasive and fracture related hematite alteration	sparse fine Py.	37.64	39.00	105414	10	0.9	479	64
						39.00	39.75	105415	15	1.0	336	141
40						39.75	40.79	105416	<5	<0.2	173	212
	40.79 - 52.36 Medium to dark grey locally greenish, fine grained basic hornfels after andesite basalt flows. Generally massive local autobreccia? sections with more epid-carb. variable weak-moderate magnetic		20-30°CA fine magnetite veinlets Fairly massive with local low and high angle carbonate ± qtz veinlets. @ 41.92-42.20 60-80° qtz-carb fine banded veinlets @ 45.70-45.90 Numerous 50-60°CA carbonate veinlets	weak pervasive, generally fracture controlled carbonate with variable assoc. epid. especially in brecciated areas. Magnetite veinlets at top of section with narrow bleached carbonate selvages.	magnetite veinlets at top of section sparse fine sulfides locally with epidote	40.88	42.24	105417	<5	<0.2	115	683
						42.50	44.50	105418	<5	<0.2	59	16
45												
						45.20	46.35	105419	5	<0.2	77	460

KAMLOOPS GEOLOGICAL SERVICES LTD.

LOGGED BY ... A. Archibald

DATE 20/21 Aug. 1999

DIAMOND DRILL LOG — BRASSIE PROPERTY

DDH.BR99-03

LITHOLOGY		G·L	STRUCTURE	ALTERATION	MINERALIZATION	SAMPLING Metres			ANALYSES			
MAIN UNITS	SUB UNITS					From	To	No.	Au ppb.	Ag ppm.	Zn ppm	Cu ppm
45						45.20	46.35	105419	5	<0.2	77	460
	As above see Pg 3		few narrow 40-90°CA carb. veinlets	Local 20-30 cm bleached sections with weak-moderate pervasive epid. alt.	V. sparse fine Py							
			@ 49.0-50.40 low angle 10-20° CA brittle fracturing	some fine 20-30°CA magnetite veinlets with bleached carb. haloes		49.00	50.40	105420	<5	<0.2	115	343
50			Brecciated (Cataclastic?) some fabric 25-30 CA	moderate-strong pervasive epid-carb alteration								
	52.36-62.22 Basic hornfels as above. More varied due to patchy often stronger epidote and magnetite. Much of this is related to stronger fine fracturing		Brittle fractured at varying angles to CA. Local carbonate veins ± epid. 40-90°CA variable magnetite veinlets generally @ low angles to CA.	Patchy pervasive and veinlet epid, carbonate. stronger and more extensive than above increasing downwards. Numerous fine magnetite veinlets and disseminated patches. Local cubic 1-2mm magnetite with associated epidote.	Sparse very fine Py some carb. veinlets as at 55.8m have 1-1.55mm fine dark dissem minerals.							
55						55.32	57.42	105421	<5	<0.2	84	66
						57.42	59.42	105422	<5	<0.2	109	359
60						59.42	61.42	105423	10	0.4	94	808

KAMLOOPS GEOLOGICAL SERVICES LTD.

LOGGED BY ...

DATE 21 August 1999.

DIAMOND DRILL LOG — BRASSIE PROPERTY

DDH.BR99-03

LITHOLOGY		G.L.	STRUCTURE	ALTERATION	MINERALIZATION	SAMPLING Metres			ANALYSES			
MAIN UNITS	SUB UNITS					From	To	No.	Au ppb.	Ag ppm.	Zn ppm.	Cu ppm.
	see Pg 4					59.40	61.40	105423	10	0.4	94	808
						61.40	62.22	105424	<5	<0.2	92	30
62.22-70.48 Mixed Epidote - Carbonate - Chlorite Skarn, patchy Magnetite Sk.	62.22-64.46 Heterogeneous fine to medium grained with variable epidote, carbonate, magnetite chlorite local pinkish fine garnet? with carbonate patches. @ 63.62-63.74 coarse carbonate sharp contacts 60° CA. Recrystalliged limestone (marble) Or vein.		Most to strongly brecciated, altered irregular 10°-30° CA carbonate veins with sulfides. Higher angle 50°-70° CA carb veinlets	fine - med grained Skarn alteration is distinctly patchy commonly fracture related local vuggy quartz - drusy with carbonate.	Many low angle carb veins have fine grained disseminated Cpy local fracture Cpy Areas of fine disseminated Py, Cpy possible sphalerite	62.22	63.22	105425	15	<0.2	139	544
						63.22	64.46	105426	5	0.4	84	872
	64.46-66.14 Similar to above more epidote-chlorite patches. More variably magnetic, minor garnet? Local brecciated.		Strong fracturing throughout healed by Chl. carb veinlets Local mgt veinlets vague 45°-60° fabric	Patchy chlorite, epidote, carbonate. Local mgt. with some fine garnet mixed with carbonate	Generally sparse fine disseminated Py. minor Cpy in chloritic areas.	64.46	66.14	105427	<5	<0.2	66	228
	66.14-68.10 Similar to above less brecciated stronger epidote-carbonate (fine grained) patches with local chloritic sections		Chlorite Local carb veinlets variable angles to CA some subparallel.	More epidote-carb local dark chlorite some cherty silica. cm scale epidote patches	Sparse sulfide some fine disseminated Py patches.	66.14	68.10	105428	<5	<0.2	106	59
	68.10-70.48 Epidote - carbonate - magnetite skarn Fine, medium local coarse grained. Patchy weak-strong magnetic. little chlorite. @ 69.80-69.92 two coarse carbonate bands 45°-50° CA similar to 63.32		Local vague fabrics 15°-25° CA Patchy fracturing	Patchy pervasive Epid, carb, mgt alt sparse-local Chl. garnet.	Sparse fine disseminated Py, patchy magnetite locally coarse grained	68.10	69.19	105429	5	0.4	189	341
						69.19	70.48	105430	<5	<0.2	121	268
70.48-82.90 Basic Hornfels (After Andesite-Basalt) As above 62.22m	70.48-73.90 Transition from skarn above to basic hornfels. Irregular shallow angle CA contact.		Local fabrics 15°-30° CA. Some carb veinlets with similar angles. short sections with chloritic fractures Local Magnetite veinlets and patches.	Alteration is patchy predominantly fracture related. Carb-chl-Mgt or weak pervasive fine grained epid-carb	Local fine fracture Py @ 72.75-73.00 low angle vein with coarse carbonate. 60° CA Pyrite veinlet possible Sphalerite	72.75	73.60	105431	<5	<0.2	70	74
	73.90-78.20 Basic Hornfels fairly massive. Mod-strong magnetic. Local carbonate veinlets											

KAMLOOPS GEOLOGICAL SERVICES LTD. LOGGED BY ... R.C. Wells ... DATE 21-22 August 1999.

DIAMOND DRILL LOG — BRASSIE PROPERTY

DDH.BR99-03

LITHOLOGY		G.L.	STRUCTURE	ALTERATION	MINERALIZATION	SAMPLING Metres			ANALYSES			
MAIN UNITS	SUB UNITS					From	To	No.	Au ppb.	Ag ppm.	Zn ppm.	Cu ppm
75	73.90 – 78.20 Basic Hornpls (Andesite - Basalt) Massive. Med / strong magnetic. Local carbonate veinlets		75.30–76.37 several carb. veins upto 2cm. 30–60°CA.	Carbonate is generally restricted to veinlets local carbonate bleaching (pervasive alt)	Fine Py in fractures adjacent to veinlets	75.30	76.37	105432	<5	<0.2	82	186
	78.20 – 82.90 As above. More fractured. Mottled med-dark greys and greens due to patchy epidote alteration. Also patchy weak to strong magnetic, weaker magnetic in epidote areas.		Fine epidote - carb veinlets at 60–90° CA. & 10–30° CA. @ 79.7–79.90 and 81.90–82.40 stronger carbonate veining some Hgt. @ 80.85 oxidized Carb veinlets 30°CA	Veinlet and patchy pervasive fine grained epidote, carb some large patches >30cm	sparse fine dissem. Py generally with epidote. Local small aggregates of Cpy	78.86	79.96	105433	<5	<0.2	79	144
						79.96	80.85	105434	<5	<0.2	98	105
						81.90	82.90	105435	<5	<0.2	85	107
82.90 – 92.80 Calc-silicate Hornpls After calcareous tuffs mixed light greens to browns to pinkish. Generally non to weak magnetic. Fine grained lithic-ash to fine lapilli tuffs?	82.90 – 85.97 Alteration overprints matrix ash supported lapilli tuffs local cm scale lapilli? Light greens to pinkish brown. Fine grained locally siliceous-cherty. Local cm scale banding/bedding? 80–90°CA. Patchy magnetite near upper contact.		Low and high angle carb veinlets 5–10 per/m. stronger between 80.45–85.10 - crude banding 80–90°CA	Pervasive moderate carbonate throughout alteration is fine grained. Local epidote Mock of pinkish colour due to fine hematite	sparse V. fine disseminated Py	82.90	85.20	105436	<5	<0.2	114	286
	85.97 – 88.00 Mainly light greens, locally pinkish from hematite. Strongly altered after fine tuffs. Non magnetic		Fairly strong fabric banding 30°CA. A few low and high angle carb veinlets	strong pervasive carb throughout. Some more epidote rich bands locally with alt chlorite lamination	sparse fine dissem. Py.	86.47	87.47	105437	5	0.2	365	9
	88.00 – 90.37 Mixed greens and browns crudely banded 80–90°CA. After Calcareous ash tuff?		Crude banding cm. scale 80–90°CA Local fine 30–40°CA carb veinlets.	Moderate to strong pervasive carbonate mixed epidote, hematite-chlorite Local fine pink garnet - grossular?	Local small patches of fine Py and Cpy also fine dissemin.	88.00	89.50	105438	30	1.8	275	874
90												

KAMLOOPS GEOLOGICAL SERVICES LTD. LOGGED BY A.C. Hellberg DATE 22 August 1999.

DIAMOND DRILL LOG — BRASSIE PROPERTY

DDH.BR99-03

LITHOLOGY		G.L.	STRUCTURE	ALTERATION	MINERALIZATION	SAMPLING Metres			ANALYSES			
MAIN UNITS	SUB UNITS					From	To	No.	Au ppb.	Ag ppm.	Zn ppm.	Cu ppm
	90.37-92.80 Carbonate rich, transition zone. Predominantly fine grained carbonate-epidote (hornfels) with swirly textures due to alteration?		Sparse veining. Local crude banding 70-90°CA. Sharp contact 60°CA	fine pervasive carb. weak/mod. epidote. Locally pinkish due to hematite or fine garnet. Magnetite veins/masses below 92.0m		90.52	91.80	105439	5	1.6	267	32
						91.80	92.80	105440	<5	1.0	156	8
92.80 - 123.78 Marble (limestone). Predominantly white locally light grey. Medium grained crystalline marble.	92.80 - 95.00 veined weakly oxidized zone. mottled white to grey marble		Weakly veined 1-3mm carb. 30-40° CA, Locally brecciated	Weakly oxidized. pinkish in upper part due to fine hematite? some fine silica.? with veins, breccia fill	light to med. brown veinlet mineral? possibly some sphalerite - manganese on fractures	92.80	93.80	105441	<5	1.2	744	17
						93.80	95.00	105442	5	2.4	1847	146
	95.00 - 98.60 white crystalline marble		Local 10-30°CA oxidized fractures fine veinlets		some veinlets have brownish fine sphalerite. Local very weak malachite.	95.00	96.60	10544	NA	1.0	412	30
						96.60	98.60	105444	NA	0.6	244	12
	98.60 - 99.67 sections of medium grey marble		barely at 80°CA weak to absent fracturing									
	99.67 - 108.18 weakly fractured, oxidized white marble.		Local fractures 5-30°CA	Some fractures are oxidized a few have brownish mineral - sphalerite.?	sparse sphalerite with fractures?	99.67	102.67	105445	NA	0.6	248	41
						102.67	105.67	105446	NA	1.2	278	55

KAMLOOPS GEOLOGICAL SERVICES LTD. LOGGED BY ..... DATE 23 August, 1999

DIAMOND DRILL LOG — BRASSIE PROPERTY

DDH.BR99-03

LITHOLOGY		G.L.	STRUCTURE	ALTERATION	MINERALIZATION	SAMPLING Metres			ANALYSES			
MAIN UNITS	SUB UNITS					From	To	No.	Au ppb.	Ag ppm.	Zn ppm.	Cu ppm
	see Pg 7 cont.					105.67	108.18	105447	NA	0.4	121	13
	108.18 - 110.24 massive white crystalline marble											
	110.24 - 112.73 Fractured and weakly oxidized white marble		Generally weak local moderate fracturing most are 0-30° CA	oxidation along some fractures local manganese	Local malachite some fine sphalerite along fracture veinlets	110.24	112.73	105448	NA	1.4	302	231
	112.73 - 114.09 Grey mottled med. grained crystalline marble. Local narrow fine/med. grained garnet bands 20-30° CA		Crude banding 80° CA Several low angle oxidized fractures	Local narrow garnet bands. Oxidation along some fractures	Minor malachite some brownish sphalerite in veinlets	112.73	114.09	105449	NA	1.8	1029	308
	114.09 - 116.80 white to weakly stained crystalline marble		Fairly numerous 0-30° CA oxidized fracture veinlets	oxidation along veinlets	Patchy malachite plus brownish mineral in oxidized veinlets - fine sphalerite?	114.09	116.80	105450	NA	2.2	246	285
	116.80 - 122.65 White crystalline, med. grained marble with short fracture/vein zones		high and low angle CA. oxidized fractures.			117.96	118.96	12601	NA	1.0	166	56

KAMLOOPS GEOLOGICAL SERVICES LTD. LOGGED BY .... DATE 23 August 1999.

DIAMOND DRILL LOG — BRASSIE PROPERTY

DDH.BR99-03

LITHOLOGY		G.L.	STRUCTURE	ALTERATION	MINERALIZATION	SAMPLING Metres			ANALYSES			
MAIN UNITS	SUB UNITS					From	To	No.	Au ppb.	Ag ppm.	Zn ppm.	Cu ppm
120	See above Pg. 8											
			weak-moderate low angle oxidized fractures			121.65	122.65	12602	NA	0.6	118	34
	122.65-123.78 Mottled white to grey crystalline marble		crude banding 45±5° CA local hairline fractures	Local narrow garnet-epidote bands	weak oxidation some fracture veinlets	122.65	123.78	12603	<5	1.6	942	79
123.78-128.24 Calc-silicate Hornfels/ Skarn. After mixed tuffs mottled greens, greys, pinks, fine laminated ? tuffs in upper part downward Lapilli tuffs	123.78-124.88 Mottled predominantly fine grained calcareous tuff some fine lapilli. Crude bedding? 68±7° Locally cherty-fine silica. Patchy magnetic		mod. to crude laminations 60° CA Several irregular carb veinlets	Highly carbonated patchy weak epidote local pink garnet, chlorite	Small magnetic chlorite patches. Local weak oxidation. Local fine Py	123.78	124.88	12604	5	1.2	272	57
125	124.88-125.60 Light pinkish green, fine-medium grained patchy epid. pinkish garnet, minor fracture chlorite		Local 45±5° CA carb. veinlets	epidote-garnet-carb Skarn. Non-weak magnetic	carb veinlets are oxidized. Some v fine Py	124.88	125.60	12605	5	0.4	104	5
	125.60-128.24 Strong alteration overprinting med-coarse lapilli tuffs appear to be heterolithic-matrix supported. Cherty, chloritic and epidote. Weak to strong variably magnetic. Local magnetite-dark chlorite. fine grained patches		Numerous hairline carbonate veinlets throughout also veinlet magnetite with dark chlorite	Patchy epid. > chlorite, silica, magnetite. reflecting protolith pervasive carbonate throughout.	Local small hematite patches. Minor fine Py in some fractures.	125.60	128.40	12606	<5	<0.2	61	39
128.24-134.53 Mafic Andesite-Basalt Lapilli Tuffs (Hornfels) Medium to dark grey, fine grained. Variable moderate to strong magnetic	128.24-133.15 As general description, some cm scale lapilli, matrix supported. quite magnetic. Patchy alteration. Weak calc-silicate to basic hornfels		fine fracture carbonate veinlets throughout. variable angles CA some have epidote	Alteration grades from patchy pervasive (ep-carb, local hem, silica) at top to predominantly fracture veinlet carbonate below. Background chlorite alteration	Patchy hematite at top. Sparse very fine Py (diffuse) below.							
130	133.15-134.53 Med-dark grey homolithic andesite-basalt lapilli tuff some more massive sections. matrix ash-lithic tuff supported. Cm. Scale lapilli common		Local 50°-60° CA carb veinlets, Local drusy cop 133.9-134.2	Carbonate is generally restricted to veinlets possible fine magnetite veinlets also	v. sparse fine Py	133.53	134.53	12607	5	<0.2	72	164
135	134.53-135.30 Cherty-siliceous-fine grained mottled grey, white and green overprinting lapilli tuff.		Crude banding and veinlets 50° CA	Fine siliceous fracture and weak pervasive carb. Local epid veinlets. Patchy wk. mgt.		134.53	135.30	12608	<5	0.2	127	50

KAMLOOPS GEOLOGICAL SERVICES LTD.

LOGGED BY R.C. Wells Jr.

DATE 26. August 1999

DIAMOND DRILL LOG — BRASSIE PROPERTY

DDH.BR99-03

Depth	LITHOLOGY: MAIN UNITS	LITHOLOGY: SUB UNITS	G.L.	STRUCTURE	ALTERATION	MINERALIZATION	SAMPLING Metres: From	To	No.	ANALYSES: Au ppb.	Ag ppm.	Zn ppm.	Cu ppm.
135	134.53-143.17 Mixed Skarn Zone crudely zoned garnet-epidote-magnetite-carbonate-silica-dark chlorite skarn. Predom. medium grained with one 2m magnetite band. Patchy pyrite	135.30-135.92 More mixed carb, chl, sil, epid. Skarn	///	Variety of carb veins 45-60° CA	Some dk chl end of section. Patchy carb, epid, dk chlorite, weak magnetite	Local fine Py patchy mgt. sparse fine Py.	135.30	136.24	12609	5	0.2	188	8
		135.92-138.25 Patchy fine-med. grained skarn. Various combinations from epidote-pink garnet-silica-carbonate-magnetite. Epidote-magnetite ± garnet tend to occur together. Patchy weak to moderate magnetic		Local carbonate veinlets variable angles to CA. Often low angle	patchy epidote-garnet-carbonate-silica-magnetite. Less common dark chlorite.	traces of fine Py, cpy. mainly in epid. patches	136.24	138.25	12610	<5	0.8	198	25
		138.25-140.32 Massive medium grained magnetite with variable amounts of pink/brown garnet, local epidote, hematite. Carbonate throughout.		Some 30° CA banding. Local narrow carb. veinlets 50°CA @139.3 carb and druse 60°CA. 30°CA lower contact	More garnet in upper part. Noticeable hematite in lower. Garnet near lower contact	Local heavy conc. >10% of fine patchy Py 20-30° CA. Mainly in upper part to 139.3	138.25	139.29	12611	5	1.4	174	168
140							139.29	140.32	12612	<5	<0.2	161	14
		140.32-143.17 Very similar to 135.92. Mixed garnet-epidote-carbonate. Patchy fine silica in upper part.		Some carb veinlets @ 30°CA locally cut by later garnet veins also at 30°CA. Local crude banding 60°CA	Patchy epid-carb.-garnet. Local fine silica, chlorite. Possibly some k.feld.	Patchy fine Py local heavy conc. of v. fine Py eg 142.40	140.32	142.00	12613	<5	0.4	222	29
							142.00	143.17	12614	<5	1.0	231	186
145	143.17-150.27 EOH. Mafic, Andesite-Basalt tuffs/Hornfels. As at 128.24	Fairly uniform section of medium to dark grey. Moderate to strong magnetic. Mafic fine grained matrix supporting lapilli and lithic ash tuff. Alteration obscures textures locally. Lapilli rarely exceed 2cm		3-5 carb veinlets /m at variable angles to CA. Some low angle 20-30° others 60-90° CA. Some fine grained Py veinlets similar angles.	Patchy pervasive carbonate (bleaching) mixed with veinlet carbonate.	Both disseminated and veinlet fine grained Py. Decreases to traces below 148m	143.17	145.17	12615	10	0.6	374	332
							145.17	147.17	12616	<5	<0.2	169	106
150													
				150.27m END OF HOLE									

SAMPLE LIST BR 99-03

SAMPLE NO.	FROM	TO	LENGTH	Au(ppb)	Ag(ppm)	Zn(ppm)	Cu(ppm)
105401	2.86	4.00	1.14	5	0.6	1120	76
105402	4.00	5.00	1.00	15	0.6	2273	91
105403	5.00	6.25	1.25	10	0.8	2227	81
105404	6.25	7.50	1.25	5	0.8	217	116
105405	7.50	8.26	0.76	5	0.4	166	56
105406	14.32	15.15	0.83	10	0.6	171	48
105407	17.64	18.92	1.28	<5	<0.2	125	65
105408	20.60	22.40	1.80	5	<0.2	87	315
105409	24.88	26.30	1.42	5	<0.2	172	20
105410	26.30	27.46	1.16	10	<0.2	206	68
105411	29.00	30.00	1.00	<5	<0.2	153	19
105412	35.48	36.74	1.26	5	0.6	145	9
105413	36.74	37.64	0.90	5	0.8	216	34
105414	37.64	39.00	1.36	10	1.0	479	64
105415	39.00	39.75	0.75	15	0.1	336	141
105416	39.75	40.79	1.04	<5	<0.2	173	212
105417	40.88	42.24	1.36	<5	<0.2	115	683
105418	43.50	44.50	1.00	<5	<0.2	59	16
105419	45.20	46.35	1.15	5	<0.2	77	460
105420	49.00	50.40	1.40	<5	<0.2	115	349
105421	55.32	57.42	2.10	<5	<0.2	84	66
105422	57.42	59.42	2.00	<5	<0.2	109	359
105423	59.42	61.42	2.00	10	0.4	94	808
105424	61.42	62.22	0.80	<5	<0.2	92	30
105425	62.22	63.22	1.00	15	<0.2	139	544
105426	63.22	64.46	1.24	5	0.4	84	872
105427	64.46	66.14	1.68	<5	<0.2	66	228
105428	66.14	68.10	1.96	<5	<0.2	106	59
105429	68.10	69.19	1.09	5	0.4	189	341
105430	69.19	70.48	1.29	<5	<0.2	121	268
105431	72.75	73.60	0.85	<5	<0.2	70	74
105432	75.30	76.37	1.07	<5	<0.2	82	186
105433	78.86	79.96	1.10	<5	<0.2	79	144
105434	79.96	80.85	0.89	<5	<0.2	98	105
105435	81.90	82.90	1.00	<5	<0.2	85	107
105436	82.90	85.20	2.30	<5	<0.2	114	286
105437	86.47	87.47	1.00	5	0.2	365	9
105438	88.00	89.50	1.50	30	1.8	275	874
105439	90.52	91.80	1.28	5	1.6	267	32
105440	91.80	92.80	1.00	<5	1.0	156	8
105441	92.80	93.80	1.00	<5	1.2	744	17
105442	93.80	95.00	1.20	5	2.4	1847	146
105443	95.00	96.60	1.60		1.0	412	30
105444	96.60	98.60	2.00		0.6	244	12
105445	99.67	102.67	3.00		0.6	248	41
105446	102.67	105.67	3.00		1.2	278	55
105447	105.67	108.18	2.51		0.4	121	13
105448	110.24	112.73	2.49		1.4	302	231

105449	112.73	114.09	1.36		1.8	1029	308
105450	114.09	116.80	2.71		2.2	246	885
12601	117.96	118.96	1.00		1.0	166	56
12602	121.65	122.65	1.00		0.6	118	34
12603	122.65	123.78	1.13	<5	1.6	942	79
12604	123.78	124.88	1.10	5	1.2	272	57
12605	124.88	125.60	0.72	<5	0.4	104	5
12606	125.60	128.40	2.80	<5	<0.2	61	39
12607	133.53	134.53	1.00	5	<0.2	72	164
12608	134.53	135.30	0.77	<5	0.2	127	50
12609	135.30	136.24	0.94	5	0.2	188	8
12610	136.24	138.25	2.01	<5	0.8	198	25
12611	138.25	139.29	1.04	5	1.4	174	168
12612	139.29	140.32	1.03	<5	<0.2	161	14
12613	140.32	142.00	1.68	<5	0.4	222	29
12614	142.00	143.17	1.17	<5	1.0	231	186
12615	143.17	145.17	2.00	10	0.6	374	332
12616	145.17	147.17	2.00	<5	<0.2	169	106

2-Sep-99

ECO-TECH LABORATORIES LTD.
10041 East Trans Canada Highway
KAMLOOPS, B.C.
V2C 6T4

Phone: 604-573-5700
Fax : 604-573-4557

ICP CERTIFICATE OF ANALYSIS AK 99-434

CHRISTOPHER JAMES GOLD CORP.
C/O RON WELLS
910 HEATHERTON COURT
KAMLOOPS, BC, V1S 1P5

ATTENTION: BRIAN HIGGS

No. of samples received: 66
Sample type: Core
PROJECT #: BR-99
SHIPMENT #: BR-99-3
Samples submitted by: R. Wells

Values in ppm unless otherwise reported

Et #.	Tag #	Au(ppb)	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
1	105401	5	0.6	0.90	75	45	<5	0.30	4	8	155	76	3.21	10	0.75	1330	7	0.03	6	290	402	5	<20	14	<0.01	<10	42	<10	21	1120
2	105402	15	0.6	0.92	85	45	<5	0.43	10	11	96	91	3.78	20	0.83	1340	5	0.02	2	600	104	15	<20	3	<0.01	<10	45	<10	27	2273
3	105403	10	0.8	1.38	50	45	10	0.93	8	11	81	81	3.63	20	1.21	2037	5	0.03	5	600	76	15	<20	9	0.01	<10	61	<10	31	2227
4	105404	5	0.8	1.66	10	45	<5	1.69	<1	11	91	116	3.62	20	1.35	2367	6	0.03	9	640	42	<5	<20	27	0.01	<10	93	<10	66	217
5	105405	5	0.4	1.65	25	30	<5	2.11	<1	12	50	56	3.59	20	1.50	2276	6	0.04	10	580	48	20	<20	23	0.02	<10	84	<10	46	166
6	105406	10	0.6	1.81	95	45	15	3.60	<1	27	53	48	4.13	20	2.22	3173	<1	0.03	3	840	40	10	<20	50	0.13	<10	92	<10	50	171
7	105407	<5	<0.2	1.85	40	65	30	2.43	<1	35	34	65	6.35	20	2.18	2583	<1	0.03	11	1330	10	15	<20	92	0.19	<10	182	<10	44	125
8	105408	5	<0.2	1.51	30	90	5	1.80	<1	33	35	315	7.35	30	1.82	2061	<1	0.04	12	1330	6	5	<20	77	0.18	<10	185	<10	40	87
9	105409	5	<0.2	2.25	50	105	35	4.30	<1	43	37	20	7.06	30	2.53	3568	<1	0.03	15	1420	12	10	<20	146	0.22	<10	218	<10	59	172
10	105410	10	<0.2	1.85	105	225	25	4.32	<1	44	19	68	8.46	30	1.95	3096	12	0.02	19	1260	8	5	<20	124	0.11	<10	234	<10	55	206
11	105411	<5	<0.2	1.78	30	85	35	3.68	<1	37	37	19	7.14	30	2.33	3822	5	0.02	16	1350	6	<5	<20	85	0.16	<10	223	<10	54	153
12	105412	5	<0.2	0.75	45	235	15	4.32	<1	29	28	9	7.12	30	1.24	3739	19	0.03	13	1480	6	5	<20	131	0.06	<10	266	<10	63	145
13	105413	5	0.6	0.43	50	160	15	7.62	<1	40	19	34	8.03	40	1.48	6099	9	0.02	11	1200	8	10	<20	160	0.02	<10	247	<10	65	216
14	105414	10	0.8	0.33	70	155	5	>10	2	23	33	64	4.20	20	1.47	5073	7	0.02	8	990	34	15	<20	134	<0.01	<10	170	<10	66	479
15	105415	15	1.0	0.36	110	115	<5	>10	1	28	29	141	4.55	20	2.58	4469	11	0.02	10	930	28	25	<20	184	<0.01	<10	170	<10	54	336
16	105416	<5	<0.2	0.60	45	235	5	7.48	<1	24	23	212	5.55	30	1.40	3630	10	0.02	12	1450	8	20	<20	115	0.01	<10	235	<10	56	173
17	105417	<5	<0.2	1.52	60	140	<5	3.33	<1	48	23	683	7.58	30	2.13	2860	32	0.03	15	1320	10	10	<20	97	0.17	<10	271	<10	64	115
18	105418	<5	<0.2	1.13	45	115	20	4.55	<1	29	25	16	5.26	20	1.31	2097	46	0.02	10	1230	6	5	<20	135	0.13	<10	149	<10	60	59
19	105419	5	<0.2	1.43	40	290	<5	3.71	<1	49	29	460	6.91	30	1.88	2420	4	0.02	17	1290	14	10	<20	125	0.14	<10	194	<10	51	77
20	105420	<5	<0.2	1.70	55	90	<5	2.70	<1	41	24	349	6.30	30	1.84	2422	4	0.03	15	1420	10	5	<20	73	0.20	<10	214	<10	56	115

CHRISTOPHER JAMES GOLD CORP. ICP CERTIFICATE OF ANALYSIS AK 99-434 ECO-TECH LABORATORIES LTD.

Et #.	Tag #	Au(ppb)	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
21	105421	<5	<0.2	2.29	70	105	15	3.24	<1	48	24	66	7.75	30	2.68	1786	8	0.03	18	1390	8	15	<20	162	0.19	<10	221	<10	27	84
22	105422	<5	<0.2	3.07	50	180	<5	3.37	<1	62	20	359	8.36	30	3.72	2448	9	0.02	12	1520	8	10	<20	203	0.17	<10	206	<10	20	109
23	105423	10	0.4	2.48	50	90	<5	3.57	<1	66	18	808	9.19	40	2.86	2332	5	0.02	16	1370	6	5	<20	188	0.15	<10	197	<10	10	94
24	105424	<5	<0.2	1.95	60	245	25	2.26	<1	34	19	30	5.07	20	2.33	1989	3	0.03	7	1530	8	15	<20	142	0.16	<10	180	<10	42	92
25	105425	15	<0.2	2.30	50	95	<5	6.84	<1	51	20	544	8.09	30	2.64	3240	95	0.02	12	1400	8	10	<20	159	0.15	<10	240	<10	24	139
26	105426	5	0.4	1.70	125	70	<5	>10	<1	55	12	872	6.75	30	1.95	2870	5	0.01	8	880	4	15	<20	110	0.11	<10	174	10	14	84
27	105427	<5	<0.2	1.67	35	95	<5	4.73	<1	32	16	228	3.50	10	1.95	2234	<1	0.02	4	840	10	25	<20	107	0.12	<10	81	<10	37	66
28	105428	<5	<0.2	1.69	50	95	15	5.05	<1	27	18	59	3.01	10	1.96	2755	1	0.02	3	1090	12	15	<20	142	0.13	<10	113	<10	38	106
29	105429	5	0.4	2.41	110	105	<5	5.43	<1	36	27	341	4.78	20	2.61	3444	2	0.01	8	1400	20	10	<20	199	0.14	<10	141	<10	30	189
30	105430	<5	<0.2	2.44	60	175	<5	5.10	<1	41	22	268	8.31	30	2.60	3116	2	0.01	19	1320	8	<5	<20	176	0.14	<10	215	<10	7	121
31	105431	<5	<0.2	1.85	100	340	40	2.91	<1	37	26	74	7.23	20	2.04	1819	9	0.02	14	1490	8	25	<20	204	0.15	<10	191	<10	19	70
32	105432	<5	<0.2	1.87	95	95	15	5.23	<1	35	17	186	8.76	30	2.04	2178	<1	0.03	17	1240	12	<5	<20	108	0.19	<10	252	<10	37	82
33	105433	<5	<0.2	2.25	80	65	5	2.80	<1	41	23	144	6.54	20	2.87	1737	2	0.02	18	1390	12	15	<20	139	0.18	<10	175	<10	25	79
34	105434	<5	<0.2	2.40	35	170	20	1.77	<1	48	17	105	7.89	20	3.27	1643	3	0.02	16	1380	10	10	<20	122	0.17	<10	194	<10	13	98
35	105435	<5	<0.2	1.92	15	90	20	3.39	1	33	17	107	6.07	20	2.40	1990	3	0.04	11	1330	4	15	<20	123	0.18	<10	214	<10	30	85
36	105436	<5	<0.2	1.10	35	85	<5	5.08	<1	24	28	286	2.65	<10	1.30	1912	6	0.05	4	680	8	25	<20	72	0.15	<10	117	<10	54	114
37	105437	5	0.2	1.57	90	25	30	>10	<1	31	22	9	3.06	10	1.33	4354	<1	0.01	3	630	44	20	<20	218	0.17	<10	95	<10	50	365
38	105438	30	1.8	1.69	60	45	<5	6.90	<1	33	33	874	3.59	10	1.47	4466	3	0.03	2	560	28	30	<20	95	0.14	<10	75	<10	57	275
39	105439	5	1.6	1.03	340	55	20	>10	<1	35	36	32	7.30	30	0.45	7977	8	<0.01	4	670	4	<5	<20	99	0.03	<10	20	<10	11	267
40	105440	<5	1.0	0.16	290	40	15	>10	<1	18	27	8	6.05	20	0.17	3919	8	<0.01	<1	280	4	<5	<20	54	<0.01	<10	6	<10	<1	156
41	105441	<5	1.2	0.05	115	20	<5	>10	19	10	17	17	1.72	<10	0.08	4753	2	<0.01	<1	390	162	5	<20	186	<0.01	<10	7	<10	14	744
42	105442	5	2.4	0.08	65	20	<5	>10	91	2	20	146	0.78	<10	0.05	3939	8	<0.01	<1	370	592	35	<20	238	<0.01	<10	13	<10	28	1847
43	105443	-	1.0	0.03	180	10	<5	>10	10	1	6	30	0.23	<10	0.05	1642	4	<0.01	<1	300	48	15	<20	264	<0.01	<10	6	<10	15	412
44	105444	-	0.6	0.05	35	<5	<5	>10	4	<1	8	12	0.25	<10	0.14	1587	4	<0.01	<1	250	12	20	<20	407	<0.01	<10	6	<10	24	244
45	105445	-	0.6	0.07	30	<5	<5	>10	4	<1	5	41	0.32	<10	0.14	1978	3	<0.01	<1	420	16	20	<20	597	<0.01	<10	6	<10	24	248
46	105446	-	1.2	0.04	60	10	<5	>10	4	<1	7	55	0.27	<10	0.18	1840	3	<0.01	<1	520	8	30	<20	322	<0.01	<10	5	<10	20	278
47	105447	-	0.4	0.01	40	<5	<5	>10	<1	<1	4	13	0.16	<10	0.21	1392	3	<0.01	<1	280	8	20	<20	399	<0.01	<10	4	<10	8	121
48	105448	-	1.4	0.05	90	10	<5	>10	7	<1	13	231	0.41	<10	0.57	2579	4	<0.01	<1	270	104	40	<20	375	<0.01	<10	7	<10	8	302
49	105449	-	1.8	0.29	45	10	<5	>10	6	3	10	308	1.01	<10	0.40	3500	<1	<0.01	1	370	50	25	<20	330	<0.01	<10	17	<10	<1	1029
50	105450	-	2.2	0.03	40	<5	<5	>10	5	1	6	885	0.46	<10	0.16	1769	2	<0.01	<1	230	42	40	<20	916	<0.01	<10	9	<10	8	246
51	12601	-	1.0	0.01	55	<5	<5	>10	3	1	4	56	0.30	<10	0.22	1308	2	<0.01	<1	220	30	25	<20	1552	<0.01	<10	12	<10	9	166
52	12602	-	0.6	0.03	20	60	<5	>10	<1	<1	5	34	0.21	<10	0.24	1484	1	<0.01	<1	220	<2	20	<20	380	<0.01	<10	4	<10	6	118
53	12603	<5	1.6	0.19	30	115	<5	>10	6	3	10	79	0.84	<10	0.30	2277	<1	<0.01	<1	360	10	20	<20	384	<0.01	<10	13	<10	16	942
54	12604	5	1.2	1.11	120	35	<5	>10	<1	13	48	57	3.78	10	0.55	4265	6	<0.01	4	1120	6	<5	<20	64	0.05	<10	22	<10	10	272
55	12605	<5	0.4	1.32	90	155	10	8.47	<1	9	52	5	4.32	10	1.02	3698	3	0.03	5	1980	4	10	<20	101	0.07	<10	81	<10	41	104

CHRISTOPHER JAMES GOLD CORP. ICP CERTIFICATE OF ANALYSIS AK 99-434 ECO-TECH LABORATORIES LTD.

Et #.	Tag #	Au(ppb)	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
56	12606	<5	<0.2	1.34	25	80	20	3.46	<1	17	39	39	4.89	10	1.51	2148	1	0.04	6	770	4	10	<20	138	0.13	<10	60	<10	31	61
57	12607	5	<0.2	1.38	65	135	10	3.19	<1	24	41	164	5.64	10	1.36	1409	5	0.04	10	4430	6	<5	<20	48	0.08	<10	112	<10	36	72
58	12608	<5	0.2	1.28	100	60	<5	5.67	<1	12	41	50	2.41	10	1.46	2354	2	0.04	5	3310	6	15	<20	83	0.08	<10	70	<10	53	127
59	12609	5	0.2	1.92	140	30	15	7.53	<1	23	58	8	3.38	10	1.94	3455	2	0.02	4	1740	10	30	<20	116	0.07	<10	59	<10	38	188
60	12610	<5	0.8	1.86	100	30	25	9.21	<1	14	33	25	4.52	10	1.55	4800	6	0.02	3	1110	6	20	<20	98	0.05	<10	54	<10	25	198
61	12611	5	1.4	1.61	190	130	45	8.45	<1	51	17	168	>10	50	1.22	4617	17	0.01	7	910	2	<5	<20	61	0.03	<10	71	<10	<1	174
62	12612	<5	<0.2	1.40	<5	180	90	6.17	<1	62	8	14	>10	60	1.02	3353	24	0.01	7	670	<2	<5	<20	51	0.02	<10	93	<10	<1	161
63	12613	<5	0.4	2.05	75	55	<5	7.18	<1	17	35	29	5.08	10	1.49	4513	4	0.03	3	500	8	20	<20	89	0.08	<10	118	<10	28	222
64	12614	<5	1.0	2.22	135	45	<5	9.84	<1	16	33	186	7.35	20	1.42	5815	5	0.01	4	540	4	40	<20	70	0.06	<10	99	<10	36	231
65	12615	10	0.6	2.03	230	85	<5	2.63	<1	61	19	332	9.23	20	1.89	2712	7	0.04	10	360	14	5	<20	51	0.04	<10	176	<10	12	374
66	12616	<5	<0.2	2.03	30	110	15	2.58	<1	29	26	106	7.45	10	2.20	2552	3	0.04	5	410	8	<5	<20	41	0.08	<10	211	<10	17	169
QC DATA:																														
Resplit:																														
1	105401	<5	0.6	0.84	70	40	<5	0.32	3	8	150	70	3.01	10	0.69	1265	7	0.03	6	280	410	<5	<20	10	<0.01	<10	40	<10	20	1110
36	105436	<5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Repeat:																														
1	105401	5	0.8	0.87	80	40	10	0.30	3	8	145	67	3.06	10	0.72	1271	7	0.03	7	290	376	<5	<20	10	<0.01	<10	41	<10	22	1044
10	105410	5	<0.2	1.86	95	225	30	4.31	<1	43	18	67	8.42	40	1.95	3101	13	0.02	17	1290	6	5	<20	125	0.11	<10	234	<10	58	197
19	105419	5	<0.2	1.41	35	295	<5	3.68	<1	48	29	456	6.86	20	1.83	2395	4	0.02	16	1240	10	15	<20	129	0.14	<10	192	<10	45	77
28	105428	-	<0.2	1.66	60	90	10	5.02	<1	27	18	53	2.99	10	1.91	2722	<1	0.02	3	1070	12	20	<20	140	0.14	<10	112	<10	37	107
35	105435	-	<0.2	2.00	25	80	20	3.51	<1	35	18	110	6.32	20	2.49	2086	3	0.04	10	1420	6	20	<20	129	0.21	<10	225	<10	35	88
36	105436	<5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
44	105444	-	0.4	0.04	30	<5	<5	>10	3	<1	6	10	0.20	<10	0.12	1455	4	<0.01	<1	220	10	15	<20	374	<0.01	<10	5	<10	22	223
53	12603	-	1.2	0.18	25	100	<5	>10	5	3	9	74	0.85	<10	0.27	2122	<1	<0.01	1	330	8	20	<20	371	<0.01	<10	12	<10	14	920
55	12605	<5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
62	12612	-	0.4	1.44	<5	180	85	6.09	3	65	8	14	>10	60	1.03	3423	26	0.01	7	650	<2	<5	<20	47	0.02	<10	98	<10	<1	161
Standard:																														
GEO'99		115	1.2	1.75	70	155	10	1.89	<1	18	64	84	3.86	20	0.96	659	<1	0.02	24	740	24	10	<20	58	0.09	<10	70	<10	8	78
GEO'99		125	1.2	1.80	65	160	10	1.86	<1	20	64	79	3.84	10	0.98	681	<1	0.02	24	710	24	10	<20	56	0.09	<10	77	<10	9	72

df/434
XLS/99
cc: ron wells fax @ 372-1012

ECO-TECH LABORATORIES LTD.
Frank J. Pezzotti, A.Sc.T.
B.C. Certified Assayer

KAMLOOPS GEOLOGICAL SERVICES LTD		DIAMOND DRILL LOG: DDH.BR99-04	
PROPERTY	: BRASSIE	**OWNER**	:CHRISTOPHER JAMES GOLD CORP
NTS	: 92I/11E,14E and 10W	**MINING DIVISION**	:KAMLOOPS M.D., BC
CLAIM	: BRASSIE 101	**LINE/STATION**	: 6+97S/1+02W
GRID	: MAIN	**INCLINATION AT COLLAR:**	-47
CASING	: 1.52M	**AZIMUTH**	: 270W
LENGTH	: 147.82M	**ACID TESTS**	: @74.37m -47^0
LOGGED BY	: R.C. WELLS	**DRILLED BY**	: CORE ENTERPRISES LTD.
DATE	: Aug. 28- Sept. 1, 1999	**DATES**	: Aug.21-28, 1999
CORE LOCATION: Amex, Kamloops		**CORE SIZE**	: NQ

PURPOSE OF THE HOLE: To test a wide section of silicified marble breccia (SBX) at shallow depth and the marble to the west for structurally controlled polymetallic (Zn, Ag, Cu, Pb, Zn) zones similar to the adit. The eastern slopes of Brassy Creek gorge on this section features coincident Zn (>1000 ppm), Pb, Cu soil and IP chargeability anomalies.

R. C. Wells, P.Geo., FGAC. Kamloops Geological Services Ltd.

AZ 270°W

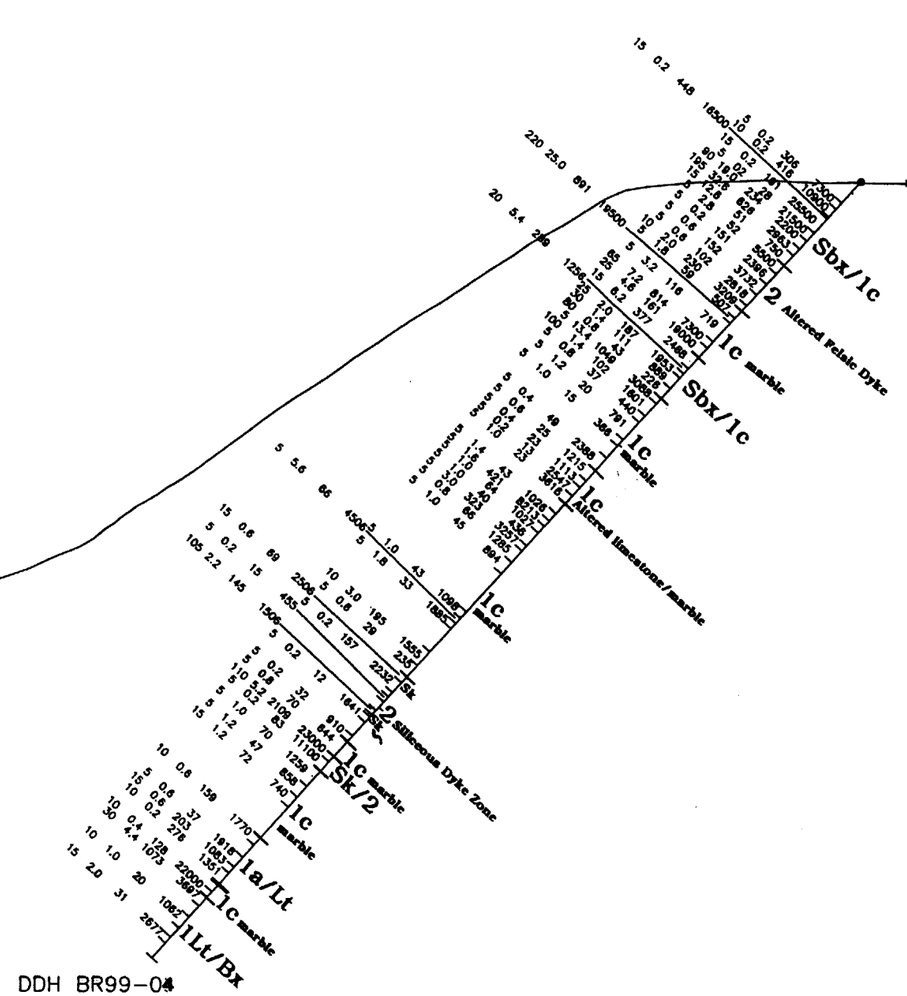
800m
Elevation ASL.

2+00W

1+00W

Drill Profile Looking North
Section Line 6+97S

700m



DDH BR99-04
147.82m Dip 47°

LEGEND

GEOLOGICAL UNITS

Sk Skarn

cs Calc-Silicate

1Lct Volcaniclastic Rocks, Lapilli-Crystal-Tuffs

1c Predominantly Marble, minor Limestone

1ab Andesite to Basalt Flows

Legend

Drill Hole Collar and Profile

Core Sample
Au(ppb) Ag,Cu,Zn(ppm)
20 0.5 1000 2000

Drill Hole Id
Length and Dip

0 10 20 30 metres

Scale 1:500

CHRISTOPHER JAMES GOLD CORP.

Brassie Creek Property

Drillhole Profile
DDH BR99-04
Sample Values
Au,Ag,Cu,Zn

Date November 1999
Prepared By:RCW.

Figure: **12**

DIAMOND DRILL LOG — BRASSIE PROPERTY

DDH.BR99-04

LITHOLOGY		G.L.	STRUCTURE	ALTERATION	MINERALIZATION	SAMPLING Metres			ANALYSES			
MAIN UNITS	SUB UNITS					From	To	No.	Au ppb.	Ag ppm.	Zn ppm	Cu ppm
0-1.52 Casing in Overburden	Rubbly subcrop patchy silicified limestone -marble											
1.52-15.90 Bracciated, Patchy silicified marble (SBx)	1.52-4.10 Rubbly core recovery. Between 30 and 50% core loss. Strong oxidized and silicified (patchy) marble		Broken bedrock-subcrop. Numerous fine qtz veinlets 40-50° CA	Strongly oxidized	some recognizable very fine grained Py.	No Sampling			due to Core Loss			
	4.10-5.18 Light to medium grey, fine grained highly siliceous with carbonate fractures/veins		Fine brecciated some high angle carbonate veinlets	silicified, weak oxidized. Local carb.	weak oxidation. Fine dissem. and fracture controlled Py 3-5%	4.00	5.18	12651	5	<0.2	6543 0.73%	306
	5.18-14.00 Mottled browns, oxidized. Fine grained silicified, locally pyritic Limestone/marble breccia @ 6.70-7.05 section of fresher pyritic silicified breccia with numerous carbonate veinlets		Oxidation obscures breccia textures locally. Sub cm. to >1cm scale angular marble fragments with oxidized locally strongly pyritic matrix 11.3-11.8 Pyrite vein stockwork 7-10% Py	silicified breccia local Py veinlet stockworks. Patchy silica carbonate	strongly oxidized in main part with fresher pyritic section Many fracture surfaces have manganese staining and yield strong reaction to zinc-zap.	5.18	6.70	12652	10	<0.2	6084 1.09%	412
						6.70	7.05	12653	15	<0.2	1.65%	448
						7.05	9.70	12654	15	<0.2	2.55%	191
						9.70	11.27	12655	5	<0.2	2.15%	28
						11.27	12.73	12656	90	19.0	6006 0.66%	234
						12.73	14.00	12657	195	>30.0 32.6 g/t	2763	626
	14.00-15.90 Mottled white, grey. Fine-medium grained variably silicified marble. Silica cemented breccia textures at end of section		Oxidation along fractures and veinlets 50° and 80°-90°. One per 3-10cm. some high angle qtz veinlets	Patchy variable pervasive and veinlet silica. oxid. restricted to veins/ fractures	Many oxidized veinlets fractures give zinc reaction Local dissem sphal?	14.00	15.90	12658	15	12.6	750	51

KAMLOOPS GEOLOGICAL SERVICES LTD.

LOGGED BY ...A.S. Wells...

DATE 28 August 97.

DIAMOND DRILL LOG — BRASSIE PROPERTY

DDH.BR99-04

LITHOLOGY		G.L.	STRUCTURE	ALTERATION	MINERALIZATION	SAMPLING Metres			ANALYSES			
MAIN UNITS	SUB UNITS					From	To	No.	Au ppb.	Ag ppm.	Zn ppm.	Cu ppm
	see above Pg 1.											
15.90 - 24.66 Altered Dyke Hornblende - Plagioclase Porphyry. Fine grained siliceous groundmass with variable carbonate.	15.90 - 17.55 Strong fractured and oxidized. Light greenish, fine grained bleached and carbonated.		Strong brittle fracturing. oxidized veinlets at variable angles CA.	Patchy pervasive and veinlet carbonate oxidized.	Zinc reaction along fractures and veinlets	15.90	17.55	12659	5	2.8	5026 0.55%	52
	17.55 - 23.62 Light green to brownish green, fine grained siliceous dyke with local 2-3mm remnant mafic phenocrysts (hbl?) also some finer tabular plagioclase phenocrysts. Groundmass is fine grained with patchy carbonate.		Fine - hairline fracturing throughout many at 30:40° CA. Numerous low angle 0-30° CA carbonate veinlets some are oxidized.	Fairly siliceous patchy carbonate - bleaching throughout. oxidation along most fractures and veinlets.	Zinc reaction along many fine fractures and some carbonate veins subparallel CA.	17.55	19.55	12660	<5	<0.2	2396	151
						19.55	21.55	12661	5	0.6	3732	152
						21.55	23.62	12662	5	0.6	2818	102
	23.62 - 24.66 Strong oxidized and fractured dyke margin. Fine grained local relict phenocryst.		strong fractured and oxidized	oxidized and carbonated throughout	Zinc reaction on some oxidized fractures some fine sphalerite	23.62	24.66	12663	10	2.0	3209	230
24.66 - 33.45 Brecciated Marble	24.66 - 26.04 White crystalline medium grained marble		local low angle oxidized veinlets fractures 30° CA contact	local oxidation	local zinc reaction	24.66	26.04	12664	5	1.8	507	59
	26.04 - 27.00 Brecciated marble with chloritic matrix (50%). Angular marble fragments some >10cm		marble breccia some alignment of fragments.	chloritic matrix	Strong matrix zinc reaction	26.04	27.00	12665	220	25.0	1.95%	891
	27.00 - 30.50 Mottled grey and white, medium grained crystalline marble		few fractures	local oxidation on fractures	Local disseminated sphalerite?	27.00	30.50	12666	5	3.2	719	116

KAMLOOPS GEOLOGICAL SERVICES LTD. LOGGED BY ..R.v. Lobley. DATE 22 August 1999.

DIAMOND DRILL LOG — BRASSIE PROPERTY

DDH.BR99-04

LITHOLOGY		G.L.	STRUCTURE	ALTERATION	MINERALIZATION	SAMPLING Metres			ANALYSES			
MAIN UNITS	SUB UNITS					From	To	No.	Au ppb.	Ag ppm.	Zn ppm.	Cu ppm
	see above Pg 2											
	30.50-31.70 Moderately fractured with numerous brown veinlets		Mod. fracturing veinlets at variable angles CA	Some chlorite	some fine brown sphalerite?	30.50	31.70	12667	65	7.2	6608 0.78%	814
	31.70-33.45 weak fractured, crystalline marble		some subparallel oxidized fractures	hairline to fine brown veinlets	many fractures and veinlets give zinc reaction.	31.70	33.45	12668	25	4.6	1.92%	161
33.45-41.27 Brecciated marble patchy silicification (SBX)	33.45-36.60 Variably brecciated marble. Generally early stage 'crackle breccias' local mosaic.		Rubbly core recovery oxidized surfaces low and high angle CA. veinlets	veinlet related and fracture oxidation local patchy silica with stronger brecciation	oxidized brown mineral- sphalerite? disseminated in veins local good zinc reaction	33.45	35.66	12669	15	6.2	2468	377
						35.66	36.60	12670	20	5.4	1256	289
	36.60-37.40 Grey, medium grained, crystalline marble		some subparallel oxidized fractures	relatively unaltered	minor zinc on fracture	36.60	37.40	12671	25	2.0	1953	187
	37.40-41.27 Weakly brecciated and veined marble crackle breccia sections with some low angle vuggy quartz veinlets. oxidized on fractures and some veinlets.		variable brecciation and veining many oxidized fractures often 10-30° CA	weak patchy silicification assoc. with vuggy veinlets local weak chlorite	oxidized fractures local fine sphalerite? zinc reaction with many veinlets	37.40	39.40	12672	30	1.4	389	111
						39.40	41.27	12673	90	0.8	226	42
41.27-55.00 Marble	41.27-42.30 white to brownish crystalline medium grained marble. numerous fine veinlets		fine veinlets generally low angles to CA	local oxidation	weak zinc reaction. some oxidized fractures	41.27	42.30	12674	5	13.4	2098	1649
	42.30-44.60 Strongly oxidized and fractured fault and, or vein zone.		25-30% core loss Probable Fault	strong oxidized brownish throughout	variable zinc reaction local specks of malachite	42.30	44.60	12675	100	1.4	1601	102
	44.60-45.80 Rubbly recovery in white crystalline marble.		weak-moderate fracturing some veinlets	local oxidation	weak zinc reaction	44.60	45.80	12676	5	0.8	440	37

KAMLOOPS GEOLOGICAL SERVICES LTD. LOGGED BY R.C. Kelly DATE 29 August 1999

DIAMOND DRILL LOG — BRASSIE PROPERTY

DDH.BR99-04

LITHOLOGY		G.L.	STRUCTURE	ALTERATION	MINERALIZATION	SAMPLING Metres			ANALYSES			
MAIN UNITS	SUB UNITS					From	To	No.	Au ppb.	Ag ppm.	Zn ppm.	Cu ppm.
45												
	45.80-52.60 Mixed white to grey crystalline marble. Medium grained. Local weak oxidation		Few low angle fractures 10-20°CA	Local weak oxidation	Sparse zinc reaction on some fractures	45.80	49.08	12677	<5	1.2	791	20
50						49.08	50.30	12678	<5	1.0	366	15
	52.60-55.00 Brownish grey marble with fine veinlets and local magnetite lenses upto 2cm wide	Mgt	Low angle fracture veinlets to CA Lensy magnetite 80°-90°CA	weak oxidation	zinc reaction on some fractures	52.60	55.00	12679	5	0.4	2288	49
55												
55.00-61.20 Altered Limestone, Limestone/marble Breccia.	Light brown to cream coloured predom. fine grained. Weaker carbonate reaction due to silicification P. Massive to brecciated textures partially overprinted by alteration. Manganese staining proximal to fractures and veinlets		Local veinlets and fractures 10-30°CA irregular carb. veining locally matrix to breccias	Pervasive and local veinlet silicification. Some oxidized fractures Local brownish carbonate druze.	Manganese staining and zinc reaction on some fractures Local disseminated brownish sphalerite?	55.00	56.99	12680	<5	0.6	1215	25
						56.99	58.18	12681	<5	0.4	1113	23
						58.18	59.75	12682	<5	<0.2	2547	13
60						59.75	61.20	12683	5	1.0	3616	23

KAMLOOPS GEOLOGICAL SERVICES LTD.

LOGGED BY R. Wallace.

DATE 29/30 Aug. 1999.

DIAMOND DRILL LOG — BRASSIE PROPERTY

DDH.BR99-04

LITHOLOGY		G.L.	STRUCTURE	ALTERATION	MINERALIZATION	SAMPLING Metres			ANALYSES			
MAIN UNITS	SUB UNITS					From	To	No.	Au ppb.	Ag ppm.	Zn ppm.	Cu ppm
	See above pg 4.											
61.20 - 94.14 Marble white to grey medium grained crystalline.	61.20 - 64.95 Mottled white - brown becoming patchy grey downwards. Medium grained locally oxidized.		fairly massive fine 45-50° CA veinlets below 63.50m	weak patchy oxidation	fine brownish veinlets below 63.50 Local zinc reaction	63.10	64.50	12684	<5	1.4	1026	42
	64.95 - 65.30 Greenish brecciated and well oxidized		brecciated	strong oxidation	strong zinc reaction fracture and disseminated	64.50	65.50	12685	<5	1.6	8213	421
	65.30 - 69.20 White to weak brownish crystalline marble. Massive to veined		Fairly massive to 66.8m. Some oxidized fractures below numerous fine veinlets 30-70°CA	Local oxidation greyish patches in vein areas	zinc reaction on oxidized fractures	65.50	66.80	12686	<5	1.0	1027	64
					many veinlets give zinc reaction	66.80	69.20	12687	<5	1.0	436	40
	69.20 - 70.20 Patchy oxidation and veining		weak brecciation with veinlets 0-30° CA	oxidized	moderate zinc reaction with oxid.	69.20	70.20	12688	<5	3.0	3257	323
	70.20 - 74.50 Predominantly white crystalline marble with grey veinlets forming weak stockworks. Local cm scale grey patches.		Fine veinlets throughout 30-50° CA Some 50-60° CA carb veinlets with oxidized selvages	local oxidation	Many fine veinlets give local patchy zinc reaction	70.20	72.35	12689	<5	0.2	1285	66
						72.35	74.50	12690	<5	1.0	894	45
	74.50 - 81.73 White crystalline marble, few veins and fractures.				local oxidized fractures with zinc							

KAMLOOPS GEOLOGICAL SERVICES LTD.

LOGGED BY R. Wells

DATE 30. August. 1999

DIAMOND DRILL LOG — BRASSIE PROPERTY

DDH.BR99-04

LITHOLOGY		G.L.	STRUCTURE	ALTERATION	MINERALIZATION	SAMPLING Metres			ANALYSES			
MAIN UNITS	SUB UNITS					From	To	No.	Au ppb.	Ag ppm.	Zn ppm.	Cu ppm.
75	white crystalline marble few veins and fractures		fairly massive few oxidized fractures		weak zinc reaction on some oxidized fractures.							
80		//	increase in number of oxidized fractures many subparallel to 70° CA	stronger oxidation								
	81.73-82.97 white crystalline marble with patchy oxidation, weak silicification? associated with weak brecciation		fairly numerous oxidized fractures local veinlets 50°CA	Patchy oxidation local weak silicification	Local zinc reaction on fractures and oxidized veinlets.	81.73	82.97	12691	5	1.0	1098	43
	82.97-83.97 Grey to light brownish, fine grained laminated to weak brecciated to massive		Possible bedding/lam 70°CA numerous fractures below 83.50	strong manganese staining esp lower.	Local zinc reaction on fractures + veinlets	82.97	83.97	12692	5	5.6	4506	66
	83.97-84.40 Fine laminated sections		Lamination 60°CA	Non oxidized								
85	84.40-89.40 white crystalline marble		massive with sparse oxidized fractures		Local zinc reaction on oxidized fractures.	83.97	84.97	12693	5	1.8	1885	33
90												

KAMLOOPS GEOLOGICAL SERVICES LTD.

LOGGED BY R.e. Kelly.....

DATE 31 August 1999.

DIAMOND DRILL LOG — BRASSIE PROPERTY

DDH.BR99-04

LITHOLOGY		G.L.	STRUCTURE	ALTERATION	MINERALIZATION	SAMPLING Metres			ANALYSES			
MAIN UNITS	SUB UNITS					From	To	No.	Au ppb.	Ag ppm.	Zn ppm.	Cu ppm
90	89.00 - 94.14 white crystalline medium grained marble.		weak local medium density of grey to oxidized veinlets Many 30-50° CA	Local oxidation	brown sphalerite-zinc mineral? on fractures and in veinlets. Local strong zinc reaction	89.40	92.00	12694	10	3.0	1555	195
						92.00	94.14	12695	5	0.6	235	29
94.14 - 106.52 Siliceous Dyke Zone Fine grained aphanitic to feldspar-hornblende? porphyritic dykes Local exo and endo. skarns.	94.14 - 97.17 Mixed siliceous dyke and variably banded skarn. 94.14-95.30 and 96.40-96.65 light pink to brownish fine grained Sili-Potassic (K. feld) Dykes. Local tabular plagioclase phenocrysts Skarn between is well banded with some dyke/sill plus reaction rims. Banding includes fine carb-epid (local dark chlorite. Greenish to pink garnet		Mgt Rubbly Strong banding in skarn 50° CA Concordant and discordant high angle carbonate ± qtz veins	dykes have veinlet fracture and patchy pervasive carbonate Local magnetite near contacts. Strong K-feld siliceous, skarn is banded fine-coarse grained variable Carb, Epid garnet, dk. Chlorite, mgt	Rare zinc reaction Local magnetite lenses near dyke contacts	94.14	95.30	12696	15	0.6	2506	69
						95.30	97.17	12697	5	1.0	2232	157
	97.17 - 100.64 Siliceous fine grained Dyke mottled light pinkish greens. Patchy K-feld. Local fine dark tabular phenocrysts (hbl?) some plagioclase phenocrysts. Crude to moderate flow alignment-banding.		60° alignment-fabric Numerous 30-40° CA carbonate ± qtz veinlets some drusy 98.0-99.0	Patchy K. feldspar alteration. fine veinlet, fracture and weak pervasive carbonate throughout	Sparse V. fine Py.							
						98.0	99.0	12698	5	<0.2	455	15
	100.64 - 101.47 Altered and fractured intrusive? Endoskarn with magnetite bands upto 1.5cm wide		Strong banding 30° CA numerous Qtz-Epid oxidized fractures	Pervasive carbonate local epid, magnetite		100.64	101.47	12699	105	2.2	1506	145
	101.47 - 101.97 same as 97.17		60° CA banding									
	101.97 - 102.88 Aphanitic and pinkish intrusive hairline carbonate veinlets		carb. veinlets various angles CA Local 90° CA	fairly massive strong pervasive, fine K-feld		101.90	102.90	12700	<5	<0.2	1641	12
	102.88 - 104.00 As above few veinlets		70-90° CA and 30° CA Carbonate veinlets 4-5 per metre.	Pervasive moderate carbonate								
105	104.00 - 105.00 Pinkish fine grained plagioclase porphyry. Aphanitic groundmass.		mod. density low & high angle carb. veinlets	As above. Manganese staining end of section								

KAMLOOPS GEOLOGICAL SERVICES LTD. LOGGED BY Ross Ridley DATE 31 August 1999.

DIAMOND DRILL LOG — BRASSIE PROPERTY

DDH.BR99-04

LITHOLOGY		G.L.	STRUCTURE	ALTERATION	MINERALIZATION	SAMPLING Metres			ANALYSES			
MAIN UNITS	SUB UNITS					From	To	No.	Au ppb.	Ag ppm.	Zn ppm.	Cu ppm
105	105.0-106.52 Light green to pinkish mottled aphanitic - non porphyritic		Moderate density of fine carb. veinlets variable angles CA. magnetite 3cm above.			105.52	106.52	12701	5	<0.2	910	32
106.52-109.40 Marble	white, medium grained, crystalline marble		fairly massive few oxidized fractures		local zinc reaction on fractures.	106.52	109.40	12702	5	0.8	644	70
109.40-111.10 Transitional Skarn-Dyke contact zone.	Massive fine grained epidote-garnet-spessartite? skarn to 110.25 becomming fine grained, green laminated below with some altered intrusive below 110.0m		lamination 30°CA	Skarn above pervasive carbonate -chlorite below	hematite with local strong zinc reaction strong magnetite 2cm at 110.37m.	109.40	110.40	12703	110	5.2	2.30%	2109
111.10-112.16 Felsic Dyke	Mottled pinks and greens, aphanitic, altered? (K. feldspar)		70° contact with rest. 30°CA veinlets	Pervasive K. feldspar veinlet and pervasive carbonate		110.40	112.16	12704	5	<0.2	1.11%	83
112.16-124.55 Marble	112.16-118.86 White to grey, crystalline marble Local crude banding		crude banding 70°CA grey and white alternating. Local oxidized low and high angle CA fractures, veinlets oxidized veinlets 118.0-118.86	local oxidation	zinc reaction along fractures and veinlets zinc reaction	112.16	115.03	12705	5	1.0	1259	70
						115.03	117.03	12706	5	1.2	858	47
						117.03	119.86	12707	15	1.2	740	72
120	118.86-120.20 Brownish weakly oxidized, crystalline marble		local high angle dark chlorite veinlet									

KAMLOOPS GEOLOGICAL SERVICES LTD. LOGGED BY R... Gale... DATE 31 August 1991.

DIAMOND DRILL LOG — BRASSIE PROPERTY

DDH.BR99-04

LITHOLOGY		G.L.	STRUCTURE	ALTERATION	MINERALIZATION	SAMPLING Metres			ANALYSES			
MAIN UNITS	SUB UNITS					From	To	No.	Au ppb.	Ag ppm.	Zn ppm.	Cu ppm
120	120.02 - 124.55 white to grey crystalline marble local banding 45°CA		cm. scale banding 45°CA sparse oxidized fractures/veinlets	local oxidation on fractures								
125 124.55-133.25 Probable Intermediate composition Lapilli Tuff Non magnetic, pyritic throughout	124.55 - 130.15 Light green to brown (from oxidation). Appears brecciated. Predominantly fragment supported. Essentially homolithic composed of light coloured aphanitic volcanic with tabular mafic phenocrysts?		Splintery fracturing Local well developed fabrics 30°CA A large number of fractures are oxidized. Some are veined with dark chlorite	Patchy pervasive carbonate near contact to 145.5. Below weak to non carbonate Generally non magnetic some bleaching may be due to silicification rather than carbonate	2-7% predominantly fracture controlled Py commonly along low angle fracture	124.55	128.0	12708	10	0.6	1770	159
						128.30	130.15	12709	5	0.6	1918	37
130	130.15 - 131.27 Grey, strong bleached, alteration overprints textures. Cm scale breccia textures local matrix supported		breccias, a few low angle oxidized fractures	Pervasive silicification	5-8% fine disseminated matrix and fracture controlled Py	130.15	131.27	12710	15	0.6	1083	203
	131.27 - 133.25 Grey to brownish alteration overprinting fine lithic-ash to lapilli tuff. Chloritic matrix supported, angular, homolithic lapilli tuff at base		splintery fracturing throughout with oxidized fractures low angle 20-30°CA	Non carbonated, patchy silicification	5% fine disseminated and fracture Py	131.27	133.25	12711	10	<0.2	1351	276
133.25-133.57 FAULT			No core water loss									
133.57 - 135.80 Marble	133.57 - 135.80 white local grey mottled, med grained crystalline marble. 135.3 - 135.80 Marble/Limest breccia fabrics, Pyritic veining 10-30°CA		massive with breccia at base low angle CA fabric. Py in breccia	local oxidation	some chlorite and hematite along fractures. Fracture controlled Py veinlets in breccia at base	134.30	135.80	12712	10	0.4	2.20%	128
135												

KAMLOOPS GEOLOGICAL SERVICES LTD. LOGGED BY R.A. Wells DATE Sept. 1999.

DIAMOND DRILL LOG — BRASSIE PROPERTY

DDH.BR99-04

LITHOLOGY		G.L.	STRUCTURE	ALTERATION	MINERALIZATION	SAMPLING Metres			ANALYSES			
MAIN UNITS	SUB UNITS					From	To	No.	Au ppb.	Ag ppm.	Zn ppm.	Cu ppm.
135.80-147.82 (EOH) Fragmental Rocks Fairly homolithic breccias with more massive sections. Variably chloritic, bleached, often pyritic upper part is weak carbonated to chloritic. Very weak to non carbonated below. Probably volcanic in large part remnant chlorite altered tabular phenocrysts?	135.80-137.50 Mottled green and browns variable carbonate, dark chlorite, local hematite. Fine grained, non magnetic.		Subparallel chloritic fractures. Local 50-60° CA carbonate veinlets. Some 10-15° oxidized fractures	pervasive carbonate more patchy chlorite	fine Py along low angle fractures.	135.80	137.50	12713	30	4.4	3697	1073
	137.50-139.56 Light greenish grays, fine grained and bleached. Brecciated (matrix supported) to more massive crackle brecciated / fractured.		Some low angle fractures	Greenish colour due to fine sericite? carbonate is predom. in fracture veinlets	very fine dissem. Py mainly in matrix <2%							
	139.56-141.65 Rubbly recovery. Chloritic-pyritic partings. Patchy bleached. Variable breccia textures		No oxidation	Dark chlorite, local carbonate, sericite?	Many low angle chloritic partings with significant amounts of fine Py.	139.56	141.65	12714	10	1.0	1062	20
	141.65-147.82 As general descriptor. Angular chloritic to porphyritic? fragments upto 4cm. This appears to be a matrix ash supported lapilli tuff / andesitic composition		Variable often rubbly recovery low angle chloritic partings. Local oxidation	chloritic throughout, patchy bleaching (not carbonate) local sericite?	Fine disseminated Pyrite throughout <4%. Both fracture and matrix Py. Local low angle fine pyritic veinlets 3-7%	143.37	144.47	12715	15	2.0	2677	31
			147.82 END OF HOLE									

KAMLOOPS GEOLOGICAL SERVICES LTD. LOGGED BY R.C. Kelly DATE 1 Sept. 1999.

SAMPLE LIST BR 99-04

SAMPLE	FROM m	TO m	LENGTH m	Au (ppb)	Ag (ppm)	Cu (ppm)	Zn (ppm)	L X Zn	Zn-Comp	From	To	Length	Zn (ppm)
12651	4.00	5.18	1.18	5	<0.2	306	7300	8614.00					
12652	5.18	6.70	1.52	10	<0.2	412	10900	16568.00					
12653	6.70	7.05	0.35	15	<0.2	448	16500	5775.00					
12654	7.05	9.70	2.65	15	<0.2	191	25500	67575.00					
12655	9.70	11.27	1.57	5	<0.2	28	21500	33755.00	132287.00	4.00	11.27	7.27	18196.29
12656	11.27	12.73	1.46	90	19.0	234	6600	9636.00					
12657	12.73	14.00	1.27	195	32.6	626	2763	3509.01					
12658	14.00	15.90	1.90	15	12.6	51	750	1425.00	146857.01	4.00	15.90	11.90	12340.93
12659	15.90	17.55	1.65	5	2.8	52	5500	9075.00					
12660	17.55	19.55	2.00	<5	<0.2	151	2396	4792.00					
12661	19.55	21.55	2.00	5	0.6	152	3732	7464.00					
12662	21.55	23.62	2.07	5	0.6	102	2818	5833.26					
12663	23.62	24.66	1.04	10	2.0	230	3209	3337.36	30501.62	15.90	24.66	8.76	3481.92
12664	24.66	26.04	1.38	5	1.8	59	507	699.66					
12665	26.04	27.00	0.96	220	25.0	891	19500	18720.00					
12666	27.00	30.50	3.50	5	3.2	116	719	2516.50					
12667	30.50	31.70	1.20	65	7.2	814	7300	8760.00					
12668	31.70	33.45	1.75	25	4.6	161	19000	33250.00	63946.16	24.66	33.45	8.79	7274.88
12669	33.45	35.66	2.21	15	6.2	377	2468	5454.28					
12670	35.66	36.60	0.94	20	5.4	289	1256	1180.64	241304.79	4.00	33.45	29.45	8193.71
12671	36.60	37.40	0.80	25	2.0	187	1953	1562.40					
12672	37.40	39.40	2.00	30	1.4	111	889	1778.00					
12673	39.40	41.27	1.87	80	0.8	43	226	422.62					
12674	41.27	42.30	1.03	5	13.4	1049	3088	3180.64	13578.58	33.45	42.30	8.85	1534.30
12675	42.30	44.60	2.30	100	1.4	102	1601	3682.30					
12676	44.60	45.80	1.20	5	0.8	37	440	528.00					
12677	45.80	49.08	3.28	<5	1.2	20	791	2594.48					
12678	49.08	50.30	1.22	<5	1.0	15	366	446.52					
12679	52.60	55.00	2.40	5	0.4	49	2388	5731.20					
12680	55.00	56.99	1.99	<5	0.6	25	1215	2417.85					
12681	56.99	58.18	1.19	<5	0.4	23	1113	1324.47					
12682	58.18	59.75	1.57	<5	<0.2	13	2547	3998.79					
12683	59.75	61.20	1.45	5	1.0	23	3616	5243.20	18715.51	52.60	61.20	8.60	2176.22
12684	63.10	64.50	1.40	<5	1.4	43	1026	1436.40					
12685	64.50	65.50	1.00	<5	1.6	421	8213	8213.00					
12686	65.50	66.80	1.30	<5	1.0	64	1027	1335.10					
12687	66.80	69.20	2.40	<5	1.0	40	436	1046.40					
12688	69.20	70.20	1.00	<5	3.0	323	3257	3257.00					
12689	70.20	72.35	2.15	<5	0.8	66	1285	2762.75					
12690	72.35	74.50	2.15	<5	1.0	45	894	1922.10					
12691	81.73	82.97	1.24	5	1.0	43	1098	1361.52					
12692	82.97	83.97	1.00	5	5.6	66	4506	4506.00					
12693	83.97	84.97	1.00	5	1.8	33	1885	1885.00					
12694	89.40	92.00	2.60	10	3.0	195	1555	4043.00					
12695	92.00	94.14	2.14	5	0.6	29	235	502.90					
12696	94.14	95.30	1.16	15	0.6	69	2506	2906.96					
12697	95.30	97.17	1.87	5	1.0	157	2232	4173.84					
12698	98.00	99.00	1.00	5	<0.2	15	455	455.00					
12699	100.64	101.47	0.83	105	2.2	145	1506	1249.98					
12700	101.90	102.90	1.00	<5	<0.2	12	1641	1641.00					
12701	105.52	106.52	1.00	5	<0.2	32	910	910.00					
12702	106.52	109.40	2.88	5	0.8	70	644	1854.72					
12703	109.40	110.40	1.00	110	5.2	2109	23000	23000.00					
12704	110.40	112.16	1.76	5	<0.2	83	11100	19536.00	42536.00	109.40	112.16	2.76	15411.59
12705	112.16	115.03	2.87	5	1.0	70	1259	3613.33					
12706	115.03	117.03	2.00	5	1.2	47	858	1716.00					
12707	117.03	118.86	1.83	15	1.2	72	740	1354.20					
12708	124.55	126.00	1.45	10	0.6	159	1770	2566.50					
12709	128.30	130.15	1.85	5	0.6	37	1918	3548.30					
12710	130.15	131.27	1.12	15	0.6	203	1083	1212.96					
12711	131.27	133.25	1.98	10	<0.2	276	1351	2674.98					
12712	134.80	135.80	1.00	10	0.4	128	22000	22000.00					
12713	135.80	137.50	1.70	30	4.4	1073	3697	6284.90	28284.90	134.80	137.50	2.70	10475.89
12714	139.54	141.65	2.11	10	1.0	20	1062	2240.82					
12715	143.37	144.47	1.10	15	2.0	31	2677	2944.70					

Eco-Tech LABORATORIES LTD.

ASSAYING
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ENVIRONMENTAL TESTING

10041 E. Trans Canada Hwy., R.R. #2, Kamloops, B.C. V2C 6T4
Phone (250) 573-5700 Fax (250) 573-4557
email: ecotech@mail.wkpowerlink.com

CERTIFICATE OF ASSAY AK 99-461

CHRISTOPHER JAMES GOLD CORP.
C/O RON WELLS
910 HEATHERTON CRT.
KAMLOOPS, BC, V1S 1P9

17-Sep-99

ATTENTION: RON WELLS

No. of samples received: 65
Sample type: Core
PROJECT #: BC
SHIPMENT #: 02
Samples submitted by: R. Wells

ET #.	Tag #	Ag (g/t)	Ag (oz/t)	Zn (%)
3	12653	-	-	1.65
4	12654	-	-	2.55
5	12655	-	-	2.15
7	12657	32.6	0.95	-
15	12665	-	-	1.95
18	12668	-	-	1.90
53	12703	-	-	2.30
54	12704	-	-	1.11
62	12712	-	-	2.20

ECO-TECH LABORATORIES LTD.
per Frank J. Pezzotti, A.Sc.T.
B.C. Certified Assayer

XLS/99

ASSAYING
GEOCHEMISTRY
ANALYTICAL CHEMISTRY
ENVIRONMENTAL TESTING

10041 E. Trans Canada Hwy., R.R. #2, Kamloops, B.C. V2C 6T4
Phone (250) 573-5700 Fax (250) 573-4557
email: ecotech@direct.ca

CERTIFICATE OF ASSAY AK 99-461

10-Nov-99

CHRISTOPHER JAMES GOLD CORP.
C/O RON WELLS
910 HEATHERTON CRT.
KAMLOOPS, BC, V1S 1P9

ATTENTION: RON WELLS

No. of samples received: 65
Sample type: Core
PROJECT #: BC
SHIPMENT #: 02
Samples submitted by: R. Wells

ET #.	Tag #	Zn (%)
1	12651	0.73
2	12652	1.09
6	12656	0.66
9	12659	0.55
17	12667	0.73

ECO-TECH LABORATORIES LTD.
Frank J. Pezzotti, A.Sc.T.
B.C. Certified Assayer

XLS/99

15-Sep-99

ECO-TECH LABORATORIES LTD.
10041 East Trans Canada Highway
KAMLOOPS, B.C.
V2C 6T4

Phone: 604-573-5700
Fax : 604-573-4557

ICP CERTIFICATE OF ANALYSIS AK 99-461

CHRISTOPHER JAMES GOLD CORP.
C/O RON WELLS
910 HEATHERTON CRT.
KAMLOOPS, BC, V1S 1P9

ATTENTION: RON WELLS

No. of samples received: 65
Sample type: Core
PROJECT #: BC
SHIPMENT #: 02
Samples submitted by: R. Wells

Values in ppm unless otherwise reported

Et #.	Tag #	Au(ppb)	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
1	12651	5	<0.2	0.69	50	75	<5	2.33	8	54	30	306	8.70	<10	1.45	3145	4	0.03	18	1270	634	35	<20	33	<0.01	<10	224	<10	<1	6543
2	12652	10	<0.2	0.44	120	55	<5	2.52	4	31	14	412	5.53	<10	0.13	1460	3	0.01	12	1030	240	45	<20	12	0.02	<10	127	<10	<1	6084
3	12653	15	<0.2	0.88	180	50	<5	5.14	4	60	24	448	8.09	<10	1.60	3376	1	0.02	18	1140	538	45	<20	40	<0.01	<10	191	<10	<1	>10000
4	12654	15	<0.2	0.80	50	135	<5	3.07	7	38	13	191	7.20	<10	0.47	3520	<1	0.01	16	1150	206	<5	<20	19	<0.01	<10	163	<10	<1	>10000
5	12655	5	<0.2	0.34	40	95	10	1.96	4	15	11	28	6.72	<10	0.16	2910	<1	0.01	9	1070	130	<5	<20	10	<0.01	<10	152	<10	<1	>10000
6	12656	90	19.0	0.29	370	50	<5	7.39	23	10	68	234	6.92	<10	0.01	2270	9	<0.01	7	870	834	15	<20	39	<0.01	<10	57	<10	<1	6006
7	12657	195	>30	0.17	175	115	<5	8.58	22	5	100	626	4.42	<10	<0.01	2248	24	<0.01	6	960	2034	65	<20	38	<0.01	<10	50	<10	15	2763
8	12658	15	12.6	0.03	65	35	<5	>10	133	1	43	51	0.58	<10	0.04	2616	5	<0.01	2	320	230	15	<20	222	<0.01	<10	8	<10	25	750
9	12659	5	2.8	1.24	55	90	5	4.65	77	9	41	52	3.83	<10	0.78	2172	3	<0.01	10	880	396	20	<20	23	<0.01	<10	76	<10	3	5026
10	12660	<5	<0.2	1.36	25	275	<5	3.78	10	12	51	151	2.75	<10	1.23	2557	1	0.02	18	900	40	55	<20	32	<0.01	<10	79	<10	8	2396
11	12661	5	0.6	1.51	35	310	<5	2.94	28	13	41	152	2.94	<10	1.49	2217	<1	0.02	24	1010	126	55	<20	25	<0.01	<10	92	<10	5	3732
12	12662	5	0.6	1.19	30	90	<5	3.62	25	16	43	102	2.47	<10	1.02	2262	4	0.02	20	910	136	30	<20	29	<0.01	<10	81	<10	5	2818
13	12663	10	2.0	0.91	105	80	<5	>10	43	8	30	230	2.96	<10	0.58	2293	6	0.01	12	680	698	35	<20	88	<0.01	<10	57	<10	8	3209
14	12664	5	1.8	0.04	25	<5	<5	>10	28	<1	5	59	0.30	<10	0.03	1237	4	<0.01	<1	180	162	15	<20	1027	<0.01	<10	4	<10	3	507
15	12665	220	25.0	1.20	45	25	<5	>10	92	9	63	891	3.88	<10	0.21	1194	<1	<0.01	9	1040	1102	15	<20	125	<0.01	<10	86	<10	<1	>10000
16	12666	5	3.2	0.02	25	<5	<5	>10	32	<1	41	116	0.15	<10	0.07	1552	2	<0.01	<1	230	116	15	<20	1030	<0.01	<10	3	<10	<1	719
17	12667	65	7.2	0.27	150	10	<5	>10	51	4	64	814	1.24	<10	0.10	1839	4	<0.01	5	750	1048	135	<20	142	<0.01	<10	17	<10	38	6608
18	12668	25	4.6	0.37	30	<5	<5	>10	101	3	14	161	0.94	<10	0.22	1636	<1	<0.01	5	430	1010	25	<20	250	<0.01	<10	31	<10	14	>10000
19	12669	15	6.2	0.07	100	20	<5	>10	90	2	20	377	0.92	<10	0.07	2817	23	<0.01	1	200	928	90	<20	414	<0.01	<10	9	<10	156	2468
20	12670	20	5.4	0.07	50	10	<5	>10	51	1	19	289	1.04	<10	0.04	2243	3	<0.01	2	300	660	105	<20	494	<0.01	<10	8	<10	78	1256

CHRISTOPHER JAMES GOLD CORP. ICP CERTIFICATE OF ANALYSIS AK 99-461 ECO-TECH LABORATORIES LTD.

Et #.	Tag #	Au(ppb)	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
21	12671	25	2.0	0.17	75	30	<5	>10	42	2	46	187	2.17	<10	0.06	1112	4	<0.01	3	910	174	75	<20	214	<0.01	<10	31	<10	11	1953
22	12672	30	1.4	0.07	40	80	<5	5.80	20	<1	99	111	1.07	<10	0.02	411	5	<0.01	3	1580	138	45	<20	41	<0.01	<10	10	<10	3	889
23	12673	80	0.8	0.01	15	<5	<5	>10	5	<1	12	43	0.21	<10	0.10	1442	2	<0.01	<1	1360	78	20	<20	907	<0.01	<10	4	<10	<1	226
24	12674	5	13.4	0.12	155	20	<5	>10	74	3	76	1049	1.52	<10	0.04	2073	3	<0.01	3	790	502	120	<20	208	<0.01	<10	34	<10	19	3088
25	12675	100	1.4	0.77	135	<5	<5	>10	28	4	18	102	1.48	<10	0.36	2292	<1	<0.01	4	3310	244	25	<20	459	0.02	<10	25	<10	18	1601
26	12676	5	0.8	0.09	100	20	<5	>10	9	1	5	37	0.31	<10	0.17	1850	2	<0.01	<1	1280	170	20	<20	332	<0.01	<10	8	<10	7	440
27	12677	<5	1.2	0.30	25	10	<5	>10	12	2	7	20	0.51	<10	0.44	1854	2	<0.01	2	1780	164	20	<20	375	<0.01	<10	17	<10	10	791
28	12678	<5	1.0	0.04	25	<5	<5	>10	6	1	5	15	0.20	<10	0.08	1745	1	<0.01	<1	660	72	20	<20	389	<0.01	<10	6	<10	15	366
29	12679	5	0.4	1.19	80	30	<5	9.51	44	12	45	49	1.55	<10	0.86	5371	<1	<0.01	7	1680	38	25	<20	34	0.06	<10	33	<10	19	2388
30	12680	<5	0.6	0.95	45	45	<5	9.27	9	11	48	25	1.79	<10	0.37	5842	4	<0.01	5	470	84	10	<20	48	0.07	<10	18	<10	18	1215
31	12681	<5	0.4	0.87	40	40	<5	8.43	8	10	44	23	1.63	<10	0.34	5314	4	<0.01	5	430	78	10	<20	45	0.06	<10	17	<10	13	1113
32	12682	<5	<0.2	1.01	75	25	<5	8.01	14	10	60	13	2.10	<10	0.47	4447	<1	<0.01	9	1880	12	10	<20	49	0.06	<10	27	<10	8	2547
33	12683	5	1.0	1.27	150	20	<5	>10	36	14	46	23	1.66	<10	0.85	4758	<1	<0.01	11	3150	72	15	<20	77	0.06	<10	38	<10	14	3616
34	12684	<5	1.4	0.12	30	<5	<5	>10	14	1	5	43	0.44	<10	0.16	2379	<1	<0.01	<1	310	110	30	<20	362	<0.01	<10	13	<10	<1	1026
35	12685	<5	1.6	0.02	90	15	<5	>10	90	1	6	421	0.43	<10	0.07	2227	<1	<0.01	<1	260	978	220	<20	328	<0.01	<10	9	<10	15	8213
36	12686	<5	1.0	0.02	35	10	<5	>10	20	<1	4	64	0.23	<10	0.21	1861	<1	0.01	<1	350	80	30	<20	229	<0.01	<10	5	<10	<1	1027
37	12687	<5	1.0	<0.01	25	5	<5	>10	10	<1	3	40	0.22	<10	0.20	1806	<1	<0.01	<1	190	54	20	<20	124	<0.01	<10	4	<10	<1	436
38	12688	<5	3.0	0.06	60	15	<5	>10	40	2	3	323	0.77	<10	0.23	2559	<1	<0.01	<1	170	242	80	<20	111	<0.01	<10	13	<10	10	3257
39	12689	<5	0.8	<0.01	25	<5	<5	>10	23	<1	3	66	0.19	<10	0.46	2146	<1	<0.01	<1	160	58	25	<20	139	<0.01	<10	4	<10	2	1285
40	12690	<5	1.0	0.01	25	<5	<5	>10	12	<1	5	45	0.24	<10	0.24	2497	<1	<0.01	<1	180	120	30	<20	163	<0.01	<10	6	<10	39	894
41	12691	5	1.0	0.08	50	5	<5	>10	31	<1	5	43	0.45	<10	0.36	2050	2	<0.01	<1	360	82	25	<20	119	<0.01	<10	10	<10	12	1098
42	12692	5	5.6	0.20	225	840	<5	>10	53	<1	16	66	0.98	<10	0.32	10000	4	<0.01	2	420	272	20	<20	234	0.02	<10	15	<10	9	4506
43	12693	5	1.8	0.16	50	<5	<5	>10	45	1	3	33	0.47	<10	0.13	1800	<1	<0.01	<1	320	102	25	<20	128	<0.01	<10	12	<10	3	1885
44	12694	10	3.0	0.02	35	5	<5	>10	34	<1	2	195	0.20	<10	0.06	1643	<1	<0.01	<1	240	54	35	<20	122	<0.01	<10	4	<10	<1	1555
45	12695	5	0.6	<0.01	25	10	<5	>10	9	<1	5	29	0.25	<10	0.13	1557	<1	<0.01	<1	370	14	20	<20	180	<0.01	<10	3	<10	13	235
46	12696	15	0.6	1.06	20	85	<5	4.22	4	17	23	69	2.02	<10	1.07	4218	1	0.02	20	830	28	20	<20	41	0.04	<10	61	<10	<1	2506
47	12697	5	1.0	1.63	70	35	<5	9.62	10	15	23	157	3.92	<10	1.09	6041	3	0.01	11	830	120	50	<20	86	0.03	<10	47	<10	<1	2232
48	12698	5	<0.2	0.84	35	30	15	3.50	<1	11	38	15	1.29	<10	1.15	4467	<1	0.03	19	940	12	25	<20	34	0.14	<10	72	<10	10	455
49	12699	105	2.2	1.15	235	105	<5	>10	10	33	41	145	7.61	<10	0.66	5990	11	<0.01	12	630	234	65	<20	57	0.04	<10	38	<10	<1	1506
50	12700	<5	<0.2	0.81	55	325	5	3.05	3	8	28	12	1.66	<10	0.97	2599	<1	0.03	8	1020	18	45	<20	39	0.07	<10	73	<10	10	1641
51	12701	5	<0.2	0.78	20	85	15	4.61	4	17	30	32	5.26	<10	1.03	4443	1	0.03	19	970	16	15	<20	41	0.10	<10	69	<10	<1	910
52	12702	5	0.8	0.04	20	10	<5	>10	10	2	5	70	0.32	<10	0.17	2582	<1	0.01	<1	240	32	30	<20	248	<0.01	<10	6	<10	14	644
53	12703	110	5.2	0.40	220	65	<5	>10	197	60	28	2109	6.90	<10	0.27	5308	9	<0.01	6	240	78	<5	<20	49	0.01	<10	10	<10	<1	>10000
54	12704	5	<0.2	1.74	40	40	5	3.84	69	34	31	83	3.77	<10	2.02	7590	<1	0.02	20	980	24	20	<20	49	0.12	<10	77	<10	<1	9779
55	12705	5	1.0	0.09	35	10	<5	>10	25	2	7	70	0.62	<10	0.13	3208	1	<0.01	<1	290	46	15	<20	282	<0.01	<10	9	<10	13	1259

CHRISTOPHER JAMES GOLD CORP. ICP CERTIFICATE OF ANALYSIS AK 99-461 ECO-TECH LABORATORIES LTD.

Et #.	Tag #	Au(ppb)	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
56	12706	5	1.2	0.17	20	<5	<5	>10	8	1	4	47	0.51	<10	0.32	2495	2	<0.01	2	280	6	15	<20	558	<0.01	<10	10	<10	10	858
57	12707	15	1.2	0.34	35	15	<5	>10	16	2	4	72	0.99	<10	0.51	2638	1	<0.01	1	240	52	30	<20	513	<0.01	<10	18	<10	15	740
58	12708	10	0.6	1.03	40	65	<5	0.63	2	7	26	159	3.26	<10	0.42	545	3	0.01	4	330	86	60	<20	10	<0.01	<10	25	<10	11	1770
59	12709	5	0.6	0.80	30	45	<5	0.30	9	18	34	37	4.05	<10	0.62	388	5	0.03	6	590	12	15	<20	18	<0.01	<10	47	<10	28	1918
60	12710	15	0.6	0.75	50	35	<5	0.48	1	22	49	203	5.72	<10	0.64	313	5	0.04	4	760	6	90	<20	12	<0.01	<10	55	<10	15	1083
61	12711	10	<0.2	1.31	55	25	<5	0.44	4	17	21	276	5.16	<10	1.17	716	5	0.03	4	750	18	110	<20	10	<0.01	<10	82	<10	26	1351
62	12712	10	0.4	0.22	60	30	<5	>10	186	5	12	128	2.25	<10	0.12	8563	<1	<0.01	2	380	2	20	<20	126	0.01	<10	15	<10	25	>10000
63	12713	30	4.4	1.53	120	40	<5	8.00	81	10	22	1073	6.12	<10	0.88	3085	4	<0.01	4	590	42	140	<20	61	<0.01	<10	33	<10	70	3697
64	12714	10	1.0	1.02	15	25	10	0.35	3	20	48	20	4.33	<10	0.82	586	5	0.01	6	120	20	10	<20	10	<0.01	<10	18	<10	5	1062
65	12715	15	2.0	1.34	20	20	15	0.42	6	18	42	31	4.57	<10	0.85	560	4	<0.01	5	280	30	15	<20	7	<0.01	<10	18	<10	5	2677
QC DATA:																														
Resplit:																														
1	12651	<5	<0.2	0.61	45	70	<5	2.13	8	52	24	282	8.24	<10	1.32	2940	4	0.02	18	1220	646	40	<20	25	<0.01	<10	208	<10	<1	6231
36	12686	5	1.0	0.03	30	<5	<5	>10	18	<1	4	57	0.26	<10	0.21	1826	<1	<0.01	<1	360	76	30	<20	215	<0.01	<10	5	<10	2	956
Repeat:																														
1	12651	5	<0.2	0.65	55	70	<5	2.31	9	54	31	293	8.65	<10	1.39	3104	3	0.03	17	1310	662	40	<20	30	<0.01	<10	219	<10	<1	6638
10	12660	<5	0.2	1.43	25	290	<5	3.77	10	13	53	155	2.83	<10	1.27	2632	1	0.02	19	920	40	60	<20	35	<0.01	<10	82	<10	11	2426
19	12669	15	6.2	0.06	100	15	<5	>10	93	2	20	382	0.92	<10	0.07	2872	25	<0.01	1	200	946	95	<20	426	<0.01	<10	9	<10	161	2482
36	12686	<5	1.0	0.01	30	5	<5	>10	17	<1	4	58	0.20	<10	0.19	1687	<1	<0.01	<1	320	76	20	<20	210	<0.01	<10	4	<10	2	941
45	12695	5	0.8	<0.01	25	10	<5	>10	8	<1	5	28	0.24	<10	0.12	1443	<1	<0.01	<1	340	14	20	<20	166	<0.01	<10	3	<10	10	232
54	12704	5	<0.2	1.65	40	35	<5	4.05	66	33	30	74	3.63	<10	1.92	7303	<1	0.02	22	950	26	25	<20	45	0.10	<10	73	<10	<1	9798
Standard:																														
GEO'99		115	0.8	1.78	65	150	5	1.82	1	18	64	82	3.87	<10	0.96	657	<1	0.02	25	700	22	10	<20	54	0.08	<10	77	<10	8	79
GEO'99		110	0.8	1.76	65	145	15	1.84	<1	18	64	78	3.64	<10	0.94	655	<1	0.02	22	730	22	10	<20	55	0.08	<10	78	<10	9	81

df/461
XLS/99
cc: ron wells fax @ 372-1012

ECO-TECH LABORATORIES LTD.
Frank J. Pezzotti, A.Sc.T.
B.C. Certified Assayer

KAMLOOPS GEOLOGICAL SERVICES LTD		DIAMOND DRILL LOG: DDH.BR99-05	
PROPERTY	: BRASSIE	**OWNER**	:CHRISTOPHER JAMES GOLD CORP
NTS	: 92I/11E,14E and 10W	**MINING DIVISION**	:KAMLOOPS M.D., BC
CLAIM	: BRASSIE 101	**LINE/STATION**	: 6+97S/1+07W
GRID	: MAIN	**INCLINATION AT COLLAR:**	-55
CASING	: 1.52M	**AZIMUTH**	: 090E
LENGTH	: 25.30M	**ACID TESTS**	: -
LOGGED BY	: R.C. WELLS	**DRILLED BY**	: CORE ENTERPRISES LTD.
DATE	: Sept. 10, 1999	**DATES**	: Aug.29-30, 1999
CORE LOCATION: Amex, Kamloops		**CORE SIZE**	: NQ

PURPOSE OF THE HOLE: This hole, collared 5m west of DDH.BR99-04 tested the remaining eastern section of SBX and the adjacent volcanic wallrocks. A major northwesterly trending fault had been interpreted close to the SBX-volcanic contact.

R. C. Wells, P.Geo., FGAC. Kamloops Geological Services Ltd.

AZ 270°W

800m
Elevation ASL.

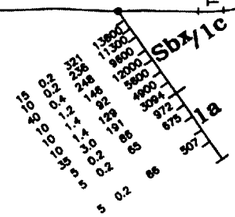
2+00W

1+00W

Drill Profile Looking North
Section Line 6+97S

700m

Trail



LEGEND

GEOLOGICAL UNITS

Sk Skarn

cs Calc-Silicate

1Lct Volcaniclastic Rocks, Lapilli-Crystal-Tuffs

1c Predominantly Marble, minor Limestone

1ab Andesite to Basalt Flows

Legend

Drill Hole Collar and Profile

Core Sample
Au(ppb),Ag,Cu,Zn(ppm)
20 0.5 1000 2000

Drill Hole Id
Length and Dip

0 10 20 30 metres
Scale 1:500

CHRISTOPHER JAMES GOLD CORP.

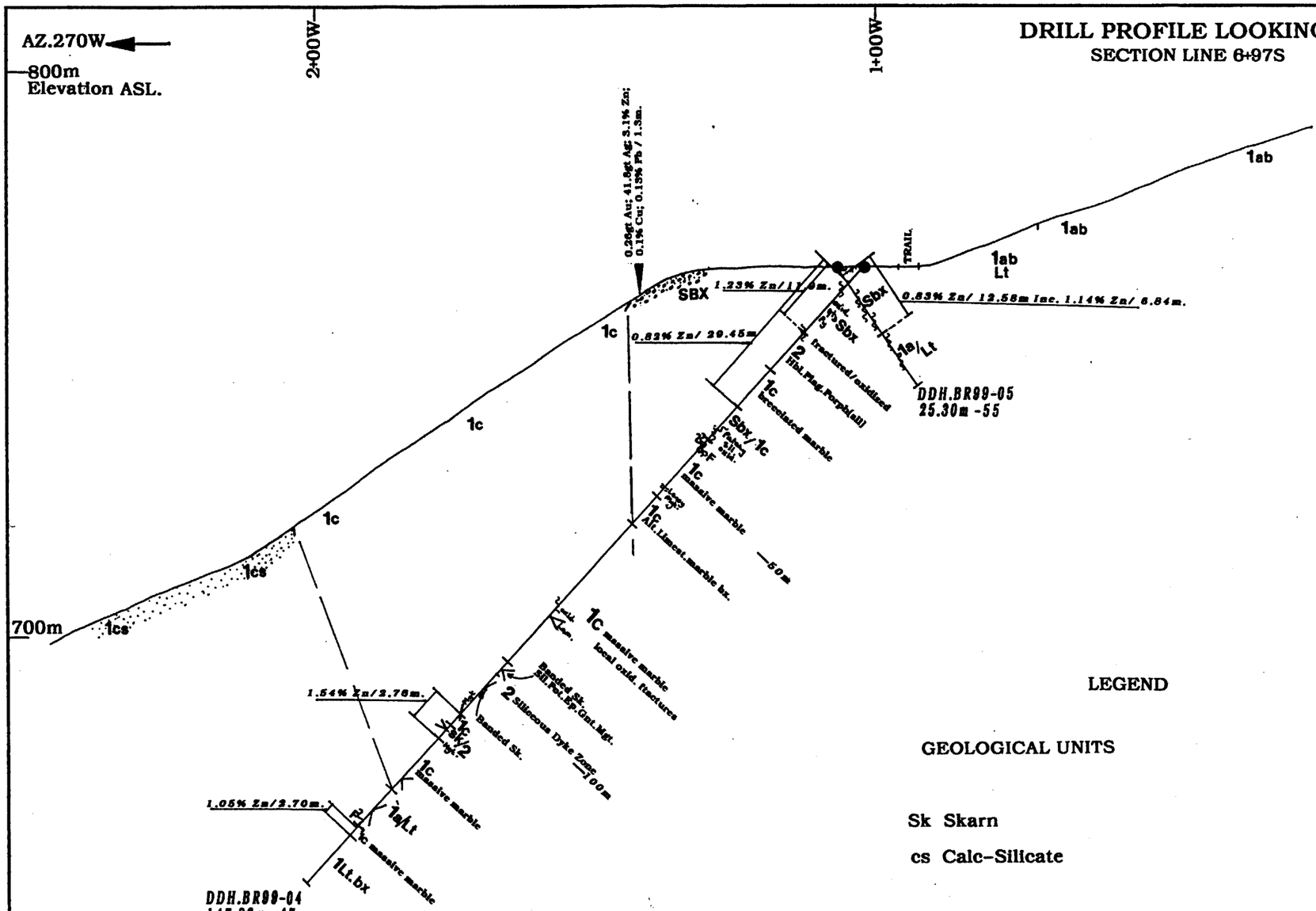
Brassie Creek Property

Drillhole Profile
DDH BR99-05
Sample Values
Au,Ag,Cu,Zn

Date November 1999
Prepared By:RCW.

Figure:**13**

DRILL PROFILE LOOKING NORTH
SECTION LINE 6+97S



LEGEND

GEOLOGICAL UNITS

Sk Skarn

cs Calc-Silicate

1Lct Volcaniclastic Rocks, Lapilli-Crystal-Tuffs

1c Predominantly Marble, minor Limestone

1ab Andesite to Basalt Flows

0 10 20 30metres

Scale

CHRISTOPHER JAMES GOLD CORP

BRASSIE CREEK PROPERTY

DRILLHOLE PROFILE

DDHs.BR99-04 & 05.

Date: November 1999 Prepared by: RCW. FIGURE:14

DIAMOND DRILL LOG — BRASSIE PROPERTY

DDH.BR99-05

LITHOLOGY		G.L.	STRUCTURE	ALTERATION	MINERALIZATION	SAMPLING Metres			ANALYSES			
MAIN UNITS	SUB UNITS					From	To	No.	Au ppb.	Ag ppm.	Zn ppm.	Cu ppm.
0 - 1.52 Casing in rubbly overburden	strong oxidized variably silicified limestone - marble.											
1.52 - 14.10 Brecciated, Patchy Silicified Marble (SBX)	1.52 - 4.43 Brown oxidized. Relict breccia textures - matrix to fragment supported. <1cm to >3cm angular fragments which are altered - silicified to carbonate rich. The matrix consists of carbonate veinlets, patchy silica, 1% Py.		Rubbly core recovery to 3m matrix carbonate local 10-20° CA carbonate veinlets	Patchy carbonate, patchy pervasive silica local clay altered matrix. oxidized in large part.	3-8% med-coarse matrix Py aggregates local brownish sphalerite ? good zinc reaction to zinc-cap in oxidized areas and along fractures.	1.52	3.00	12717	15	<0.2	1.36%	321
						3.00	4.43	12718	10	<0.2	1.13%	236
	4.43 - 6.68 Short oxidized sections. Tight packed to crackle brecciated. Light brownish grey, altered with matrix Py, carbonate and local silica. several 4-10cm oxidized sections		fairly massive through alteration Local matrix veinlets.	Patchy pervasive carbonate and silica local oxidation	As above oxidized areas are quite zinc rich - local brown sphalerite ?	4.43	6.68	12719	40	0.4	8309 0.96%	248
	6.68 - 8.36 Oxidized overprinting silicified and strongly veined breccia. Local well silicified angular fragments 2 1cm		Rubbly recovery Numerous subparallel to CA oxidized veinlets	As above. Py is largely oxidized.	well oxidized local remnant Py zinc reaction.	6.68	8.36	12720	10	1.2	1.12%	146
	8.36 - 12.20 Light grey to brownish grey similar to 4.43 - 6.68. wide variety of fragment sizes <1cm to several cm. matrix supported to crackle breccias. Little oxidation.		several low angle clayey fractures subparallel CA. Sections of fine fracturing with rubbly recovery	Patchy pervasive carbonate, local silica.	1-4% matrix Py generally med. grained >5% fine pyrite in fractured zones. clayey alterations along low angle fractures above 10m.	8.36	10.40	12721	10	1.4	5276 0.52%	92
						10.40	12.20	12722	10	1.4	4686 0.49%	129
	12.20 - 14.10 Strong oxidized, fractured and silicified.		Rubbly through brecciation	Patchy moderate to strong silicification Patchy weak - mod. carbonate.	widespread oxidation patchy zinc reaction	12.20	14.10	12723	35	3.0	3094	191
14.10 - 25.30 Feldspar Phyric volcanics (Andesitic)						14.10	16.10	12724	5	<0.2	972	86

KAMLOOPS GEOLOGICAL SERVICES LTD.

LOGGED BY R.G. Galley

DATE 10 Apr. 1999.

DIAMOND DRILL LOG — BRASSIE PROPERTY

DDH.BR99-05

LITHOLOGY		G.L.	STRUCTURE	ALTERATION	MINERALIZATION	SAMPLING Metres			ANALYSES			
MAIN UNITS	SUB UNITS					From	To	No.	Au ppb.	Ag ppm.	Zn ppm.	Cu ppm.
14.10 - 25.30 (EOH) Feldspar Phyric Volcanics Andesitic plagioclase porphyry with tabular phenocrysts 2-3mm long in grey to brownish fine grained groundmass well fractured and oxidized. Non magnetic	As general description		Rubbly recovery oxidized to 24m slightly more massive below	oxidized. Patchy weak pervasive carb. some clay-carb. alt. of plagioclase phenocrysts - albitic? Local 10-30° CA fine quartz veinlets some larger upto 1cm carbonate veins at similar angles	oxidation along most fractures.	16.10	18.10	12725	5	<0.2	675	65
						20.42	22.42	12726	5	<0.2	507	66
			25.30m End of Hole									

KAMLOOPS GEOLOGICAL SERVICES LTD.

LOGGED BY ..R. ..Kelly..

DATE 19. Sept. 1999.

ASSAYING
GEOCHEMISTRY
ANALYTICAL CHEMISTRY
ENVIRONMENTAL TESTING

10041 E. Trans Canada Hwy., R.R. #2, Kamloops, B.C. V2C 6T4
Phone (250) 573-5700 Fax (250) 573-4557
email: ecotech@mail.wkpowerlink.com

CERTIFICATE OF ASSAY AK 99-485

CHRISTOPHER JAMES GOLD CORP.
C/O RON WELLS
910 HEATHERTON CRT.
KAMLOOPS, BC, V1S 1P9

24-Sep-99

ATTENTION: RON WELLS

No. of samples received: 10
Sample type: Core
PROJECT #: BR
SHIPMENT #: 3
Samples submitted by: R. Wells

ET #.	Tag #	Zn (%)
1	12717	1.36
2	12718	1.13
4	12720	1.20

QC DATA:

Standard:

CCu-la	2.85

ECO-TECH LABORATORIES LTD.
Per Frank J. Pezzotti, A.Sc.T.
B.C. Certified Assayer

XLS/99

1999 BRASSIE DRILLING BR 99-05

	FROM	TO	LENGTH	Au (ppb)	Ag (ppm)	Cu (ppm)	Zn (ppm)	L X Zn	Zn-Comp	From	to	Length	Zn (ppm)
12717	1.52	3.00	1.48	15	<0.2	321	13600	20128.00					
12718	3.00	4.43	1.43	10	<0.2	236	11300	16159.00					
12719	4.43	6.68	2.25	40	0.4	248	9600	21600.00					
12720	6.68	8.36	1.68	10	1.2	146	12000	20160.00	78047.00	1.52	8.36	6.84	11410.38
12721	8.36	10.40	2.04	10	1.4	92	5600	11424.00					
12722	10.40	12.20	1.80	10	1.4	129	4900	8820.00				7.06	
12723	12.20	14.10	1.90	35	3.0	191	3094	5878.60	26122.60	8.36	14.10	~~5.74~~	4550.98
12724	14.10	16.10	2.00	5	<0.2	86	972	1944.00					
12725	16.10	18.10	2.00	5	<0.2	65	675	1350.00					
12726	20.42	22.42	2.00	5	<0.2	66	507	1014.00					
									104169.60	1.52	14.10	12.58	8280.57

ASSAYING
GEOCHEMISTRY
ANALYTICAL CHEMISTRY
ENVIRONMENTAL TESTING

10041 E. Trans Canada Hwy., R.R. #2, Kamloops, B.C. V2C 6T4
Phone (250) 573-5700 Fax (250) 573-4557
email: ecotech@direct.ca

CERTIFICATE OF ASSAY AK 99-485

CHRISTOPHER JAMES GOLD CORP.
C/O RON WELLS
910 HEATHERTON CRT.
KAMLOOPS, BC, V1S 1P9

10-Nov-99

ATTENTION: RON WELLS

No. of samples received: 10
Sample type: Core
PROJECT #: BR
SHIPMENT #: 3
Samples submitted by: R. Wells

ET #.	Tag #	Zn (%)
1	12717	1.36
2	12718	1.13
3	12719	0.96
4	12720	1.20
5	12721	0.56
6	12722	0.49

QC DATA:

Standard:
CCu-1a 2.85

ECO-TECH LABORATORIES LTD.
Frank J. Pezzotti, A.Sc.T.
B.C. Certified Assayer

XLS/99

21-Sep-99

ECO-TECH LABORATORIES LTD.
10041 East Trans Canada Highway
KAMLOOPS, B.C.
V2C 6T4

Phone: 604-573-5700
Fax : 604-573-4557

ICP CERTIFICATE OF ANALYSIS AK 99-485R

CHRISTOPHER JAMES GOLD CORP.
C/O RON WELLS
910 HEATHERTON CRT.
KAMLOOPS, BC, V1S 1P9

ATTENTION: RON WELLS

No. of samples received: 10
Sample type: Core
PROJECT #: BR
SHIPMENT #: 3
Samples submitted by: R. Wells

Values in ppm unless otherwise reported

Et #.	Tag #	Au(ppb)	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
1	12717	15	<0.2	1.36	225	305	<5	3.77	6	30	24	321	9.68	<10	0.59	1618	5	0.02	20	1340	554	80	<20	40	0.03	<10	233	<10	<1	>10000
2	12718	10	<0.2	0.55	90	70	<5	3.92	3	42	21	236	7.69	<10	0.93	2405	2	0.02	16	1020	668	35	<20	39	0.01	<10	183	<10	<1	>10000
3	12719	40	0.4	0.55	55	60	<5	2.63	12	51	38	248	6.77	<10	1.43	2850	3	0.02	16	1140	786	40	<20	30	<0.01	<10	177	<10	<1	8309
4	12720	10	1.2	0.84	75	75	<5	1.03	8	34	26	146	7.29	<10	0.37	1879	2	0.02	15	1310	482	5	<20	12	<0.01	<10	118	<10	<1	>10000
5	12721	10	1.4	0.31	225	40	<5	8.71	7	21	55	92	4.10	<10	0.78	2124	4	0.01	11	770	330	20	<20	50	<0.01	<10	35	<10	13	5376
6	12722	10	1.4	0.73	50	50	<5	3.62	3	33	40	129	6.60	<10	1.00	2918	4	0.02	17	1290	370	25	<20	30	<0.01	<10	108	<10	<1	4636
7	12723	35	3.0	0.47	80	270	<5	1.21	17	25	119	191	4.42	<10	0.13	2037	12	0.01	13	670	566	30	<20	26	<0.01	<10	61	<10	2	3094
8	12724	5	<0.2	0.34	45	160	<5	0.34	3	5	63	86	1.84	<10	0.03	306	3	0.02	4	430	52	10	<20	4	<0.01	<10	7	<10	2	972
9	12725	5	<0.2	0.30	35	225	<5	0.27	2	3	61	65	1.56	<10	0.02	162	4	0.03	4	470	50	15	<20	10	<0.01	<10	9	<10	3	675
10	12726	5	<0.2	0.30	35	345	<5	1.79	2	<1	74	66	1.32	<10	0.05	282	3	0.01	4	410	52	25	<20	24	<0.01	<10	9	<10	12	507
QC DATA:																														
Resplit:																														
1	12717	10	<0.2	1.36	225	305	<5	3.77	6	30	24	321	9.68	<10	0.59	1618	5	0.02	20	1340	554	95	<20	40	0.03	<10	233	<10	<1	9714
Repeat:																														
1	12717	15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Standard:																														
GEO'99		120	1.2	1.85	70	165	5	1.91	1	21	68	80	4.01	10	1.03	710	1	0.01	22	710	20	5	20	60	0.10	10	81	10	7	74

per ECO-TECH LABORATORIES LTD.
Frank J. Pezzotti, A.Sc.T.
B.C. Certified Assayer

df/485
XLS/99
cc: ron wells fax @ 372-1012