DISCOVERY CREEK PROPERTY

1991 EXPLORATION PROGRAM

SUMMARY REPORT

Blondie 1-8
BX 1-23
Ducky 1-3
Willy 1-5

DECEMBER, 1991

OMINECA MINING DIVISION

BRITISH COLUMBIA

NTS 93N/14E&W

FOR

MANSON CREEK RESOURCES LTD.

BY

IAN FRASER

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ABSTRACT

The Discovery Creek property is situated in north-central British Columbia, 30 km west of Germansen Landing and 265 km northwest of Prince George. The property consists of sixty-one (61) Two Post, and modified grid claims totalling 676 units (16,900 ha).

The Discovery Creek property is underlain by units of Quesnellia Terrane, covering a contact between the Hogem Batholith (Upper Triassic to Middle Jurassic) and Takla Group volcanic and volcanoclastic rocks (of similar age). Several smaller satellitic intrusions occur within the Takla units. Within the batholith, a syenite - monzodiorite contact associated with the Lorraine and Boundary copper-gold deposits (located 10 km and 20 km northwest of the property, respectively) extends onto the Discovery Creek property. Good exploration results from trenching and diamond drilling, performed during 1991 was rumoured to have come from Kennco's property that adjoins the Discovery Creek property, along its western border.

Exploration activities in 1991 consisted of some additional staking, a base of slope soil sampling program, and diamond drilling. Diamond drilling on the Discovery Creek property resulted in the completion of three (3) NQ size drill holes for a total of 424.3 m (1,932') drilled. The drill program was designed to test a strong Cu in soil geochem anomaly, with a strong, coincident IP anomaly as outlined by exploration activities performed in 1974 (Canadian Superior Exploration Ltd.). The drill program was stopped after three (3) drill holes due to unencouraging results.

The potential remains on the Discovery Creek property to explore for and find alkaline porphyry gold-copper deposits; however, more ground work is required prior to any additional drilling. Future exploration should consist of detailed geological mapping, prospecting, ground geophysics, geochem programs, and possibly trenching.

1. INTRODUCTION

The Discovery Creek property, and in particular the area of the property, has been the subject of several exploration programs since the early 1900's. Exploration peaked in the early 1970's during the porphyry boom, and the recent success of the Mt. Milligan, and the South Kemess deposits has rejuvenated exploration in the area for porphyry type deposits. Manson Creek Resources staked the Discovery Creek property in 1990, and continued it's exploration efforts during the 1991 field season. This summary report will review all data accumulated during the 1991 exploration program(s).

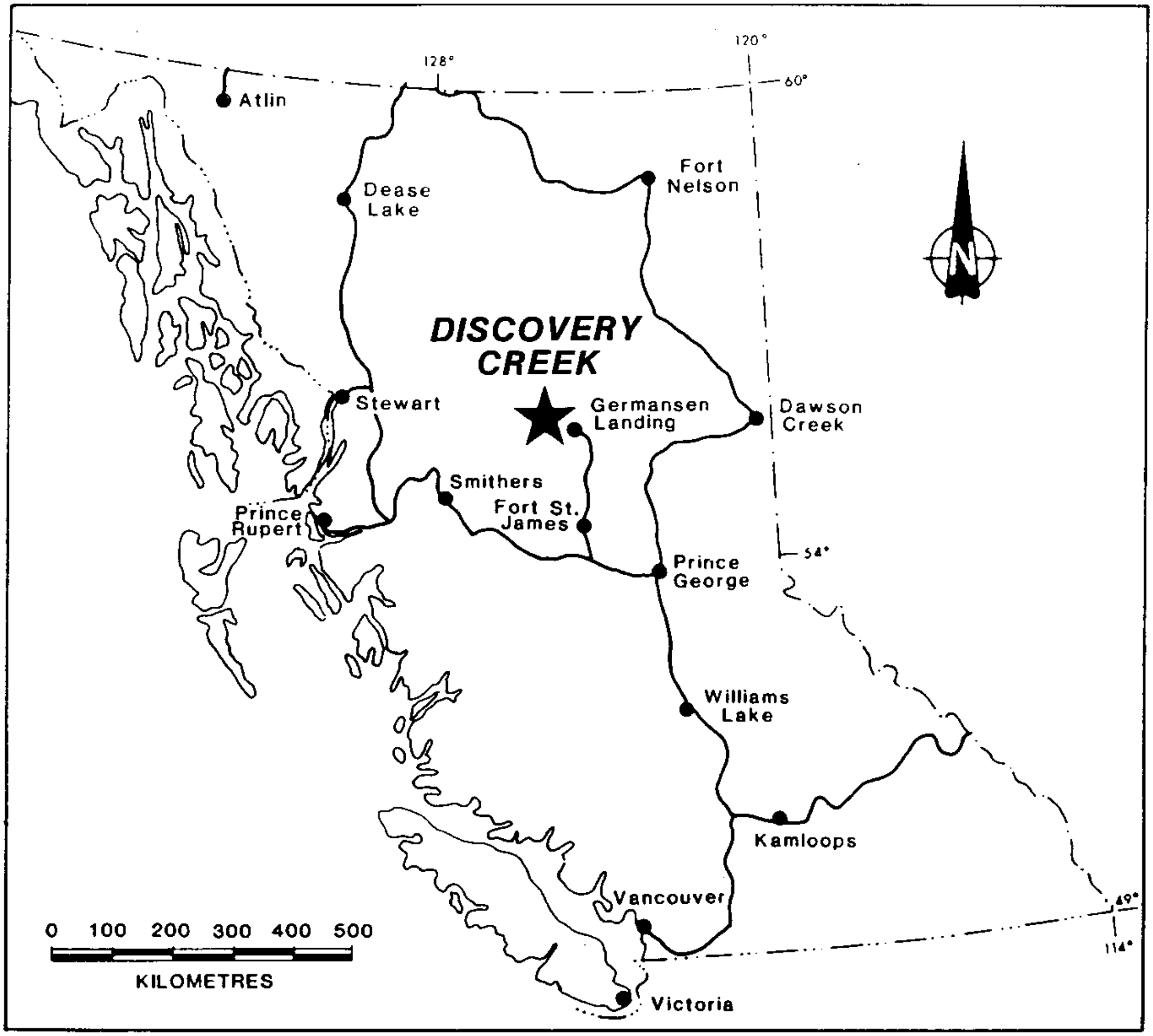
Exploration activities on the Discovery Creek property were initiated on July 1, 1991 with a short base of slope soil sampling program designed to follow up on gold and copper anomalies in the vicinity of Cathedral Gold Corporation's Ling claims (as reported in assessment files). This program was followed by a diamond drill program designed to test a strong Cu in soil anomaly with a coincident IP signature; well removed from the Ling claims, and referred to as the DC Zone. DC Zone data was retreived from assessment files pertaining to exploration activities performed by Canadian Superior Exploration in 1974. The drill program commenced on October 21, 1991 and consisted of three (3) drill holes for a total of 424.3 m (1,392') drilled.

2. PROPERTY DESCRIPTION, ACCESS & PHYSIOGRAPHY

The Discovery Creek property consists of sixty-one (61) Two Post and modified grid claims totalling 676 units (16,900 ha). The property is situated in north-central British Columbia, 30 km west of Germansen Landing, and 265 km northwest of Prince George, within NTS map area 93N/14E&W (see Figures 1&2).

The property is 100% owned by Manson Creek Resources Ltd; however, Golden Rule Resources Ltd. currently holds the Discovery Creek property in trust for Manson Creek.

Access to the property is via the Omineca Mining Road. The Omineca Mining Road extends north from Fort St. James, and passes through the small community of Germansen Landing; 30 km from the nearest corner of the claim group, and actually passes through the southeastern corner of the property on its way north to Cheni Mines, Lawyers deposit. Once on the property access to the 1991 area of drilling is by 4WD truck along a cat trail. Lodgings, limited groceries, fuel, and an airstrip are available in Germansen Landing. Helicopters can be chartered out of either Fort St. James or Mackenzie, 170 km and 140 km respectively southeast of the property.

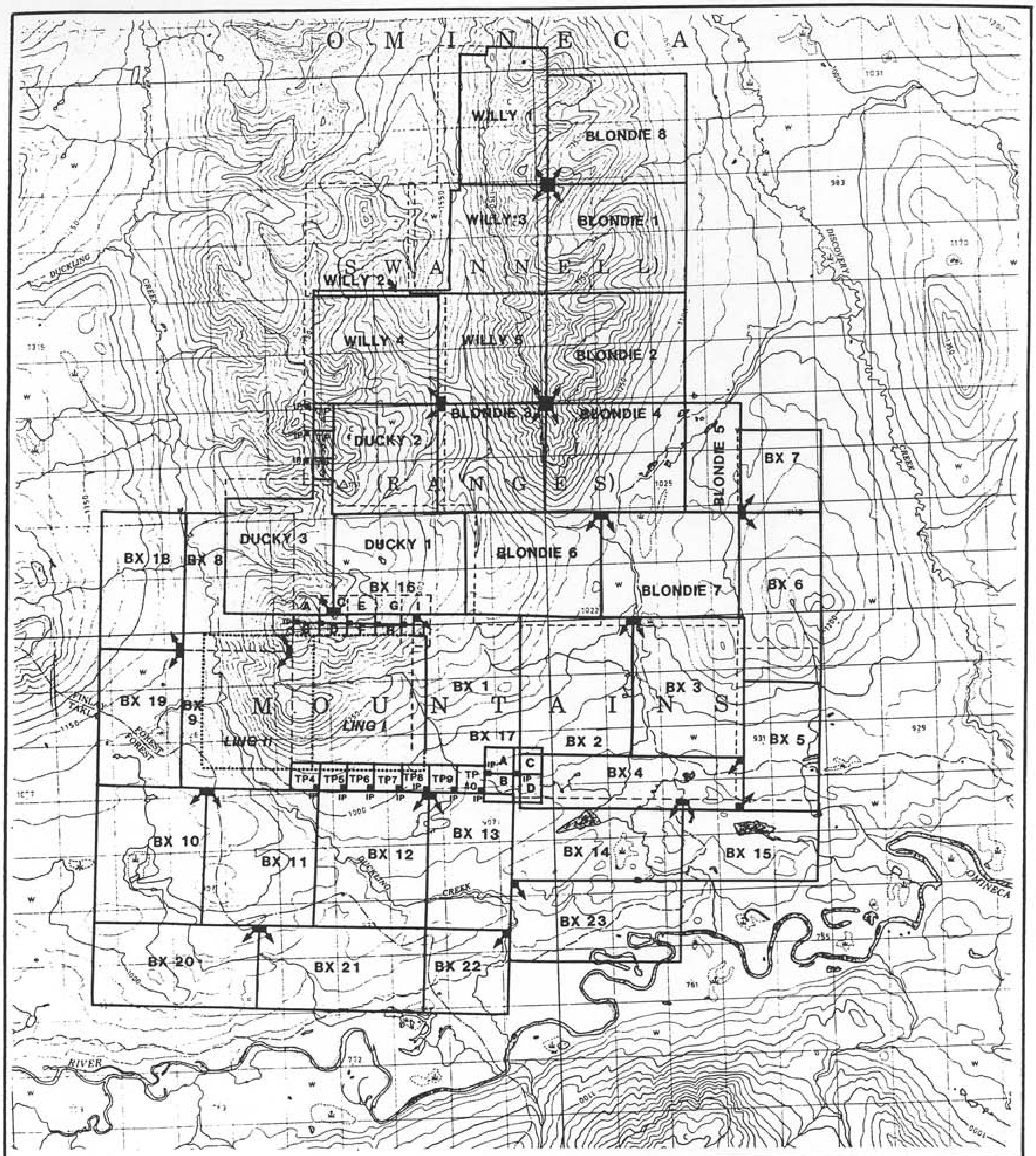


MANSON CREEK RESOURCES LTD.

DISCOVERY CREEK PROPERTY
BRITISH COLUMBIA

LOCATION MAP

Date: DECEMBER 1991	N.T.S.:
Revised:	FIGURE 1
Scale:	



0 1 2 3 4 5

Kilometres

MANSON CREEK RESOURCES LTD.

DISCOVERY CREEK PROPERTY

CLAIM MAP

Date: January 1992	N.T.S.: 93N/14
Revised:	FIGURE 2
Scale: 1:100,000	

The physiography of the claims area is characterized by broad float valleys along Omineca River and Discovery Creek, with moderately rugged mountain ridges to the northwest. The valleys are heavily timbered, with tree line occurring at about 1,650 m ASL. Elevations in the property area range from about 850 m ASL along Omineca River, to almost 2,000 m ASL at the summit of Wasi Ridge. The peaks are all readily accessible by foot traverse, with some cliffy portions that are easily circumvented.

2.1 Property Assessment Status

The name of the claims that make up the Discovery Creek property, their record numbers, the number of units, and the next due date for assessment, is listed in Table 1 below:

TABLE 1

Claim Name	Record #	# of Units	Record Date	Next Due Date
Blondie 1	12141	20	July 1/90	July 1/93
Blondie 2	12142	20	July 1/90	July 1/93
Blondie 3	12143	16	June 20/90	June 20/93
Blondie 4	12144	20	July 1/90	July 1/93
Blondie 5	12145	8	July 2/90	July 2/93
Blondie 6	12146	20	July 1/90	July 1/93
Blondie 7	12147	20	July 1/90	July 1/93
Blondie 8	12148	20	July 1/90	July 1/93
BX 1	12151	20	June 30/90	June 30/93
BX 2	12152	20	June 30/90	June 30/93
BX 3	12153	20	July 1/90	July 1/93
BX 4	12154	16	July 1/90	July 1/93
BX 5	12476	18	Aug 10/90	Aug 10/93
BX 6	12477	16	Aug 20/90	Aug 10/93
BX 7	12478	9	Aug 24/90	Aug 24/93
BX 8	13272	20	Apr 29/91	Apr 29/92
BX 9	13273	20	Apr 29/91	Apr 29/92
BX 10	13274	20	Apr 30/91	Apr 30/92
BX 11	13275	20	Apr 30/91	Apr 30/92
BX 12	13276	20	Apr 27/91	Apr 27/92
BX 13	13277	15	Apr 27/91	Apr 27/92
BX 14	13278	18	Apr 29/91	Apr 29/92
BX 15	13279	15	Apr 27/91	Apr 27/92
BX 16A	13259	1	May 19/91	May 19/92
BX 16B	13260	1	May 19/91	May 19/92
BX 16C	13261	1	May 19/91	May 19/92
BX 16D	13262	1	May 19/91	May 19/92
BX 16E	13263	1	May 19/91	May 19/92
BX 16F	13264	1	May 19/91	May 19/92
BX 16G	13265	1	May 19/91	May 19/92
BX 16H	13266	1	May 19/91	May 19/92

Claim Name	Record #	# of Units	Record Date	Next Due Date
BX 16I	13267	1	May 19/91	May 19/92
BX 16J	13260	1	May 19/91	May 19/92
BX 17A	13280	1	May 1/91	May 1/92
BX 17B	13281	1	May 1/91	May 1/92
BX 17C	13282	1	May 1/91	May 1/92
BX 17D	13283	1	May 1/91	May 1/92
BX 18	13245	15	May 18/91	May 18/92
BX 19	13246	15	May 18/91	May 18/92
BX 20	13247	18	May 19/91	May 19/92
BX 21	13248	18	May 19/91	May 19/92
BX 22	13249	9	May 18/91	May 18/92
BX 23	13250	18	May 18/91	May 18/92
TP-1	301988	1	June 30/91	June 30/92
TP-2	301989	1	June 30/91	June 30/92
TP-3	301990	1	June 30/91	June 30/92
TP-4	301991	1	June 30/91	June 30/92
TP-5	301992	1	June 30/91	June 30/92
TP-6	301993	1	June 30/91	June 30/92
TP-7	301994	1	June 30/91	June 30/92
TP-8	301995	1	June 30/91	June 30/92
TP-9	301996	1	June 30/91	June 30/92
TP-10	301997	1	June 30/91	June 30/92
Ducky 1	12149	20	June 30/90	June 30/93
Ducky 2	12150	16	June 29/90	June 29/93
Ducky 3	12535	20	Aug 26/90	Aug 26/93
Willy 1	12136	20	June 29/90	June 29/93
Willy 2	12137	16	June 29/90	June 29/93
Willy 3	12138	20	June 29/90	June 20/93
Willy 4	12139	20	June 29/90	June 29/93
Willy 5	12140	16	June 29/90	June 29/93
		676		

3. **EXPLORATION HISTORY**

Mineral exploration in the Discovery Creek area dates back to 1868, when placer gold was discovered on Silver Creek, 15 km southwest of the current property boundary. Placer gold mining in the area has taken place intermittently since 1868 to the present. Several exploration companies have been active in the property area, and the following is a very brief breakdown of past exploration activities in the immediate vicinity of the Discovery Creek property:

1940's	Cominco Ltd. held the Lorraine porphyry copper deposit. The deposit was recognized as early as 1918; however, it's low grade nature discouraged further exploration efforts. Reserves at the Lorraine deposit are listed as 10 million tons grading, 0.67% Cu, and 0.006 oz/ton Au.
1947	Kennco acquired the Lorraine deposit, and performed exploration programs in the area through to the end of 1949. Exploration concentrated on copper, and resulted in the discovery of the Dorothy and Elizabeth showings, which are approximately 2.0 km west of the Discovery Creek property boundary.
1961-1963	Kennco performed additional exploration consisting of geological mapping, soil geochemistry, magnetic and IP surveys, on the area immediately west of the Discovery Creek block, and in the area along the Omineca road, in the southeastern part of the current property block.
1971	Falconbridge prospected in the area of the present Willy 5 and Blondie 3 claims.
1971-1974	Pyramid Mining Co. was very active in the area performing soil geochemistry and magnetic surveys, and some trenching.
1972	Noranda conducted IP surveys over the area presently covered by the Blondie 4, 5, 7 and BX 6 and 7 claims. This work outlined a broad area of high background IP responses, some of which coincides with resistivity lows, suggesting disseminated sulphide mineralization. However, there isn't any record of drilling to test these IP responses.
1974	Canadian Superior Exploration conducted geological mapping, prospecting, soil geochemical, IP and magnetic surveys in the present BX 1 to 4 claims.
1987	Cathedral Gold collected a grab sample of chalcopyrite in diorite that assayed 29.1 ppm gold, on the Ato property immediately north of the Discovery Creek property. Southwest of the property, on the Ling claims, Cathedral reports porphyry style mineralization with anomalous gold values.
1990	Manson Creek staked the Discovery Creek property, and conducted reconnaissance geological mapping and prospecting, supplemented by a stream silt geochemical survey. An airborne geophysical (mag, VLF) survey covered the entire property.

4. REGIONAL GEOLOGY AND MINERAL DEPOSITS

This portion of the report has been taken from R.D. Cruickshank`s report of last year (Cruickshank, 1990).

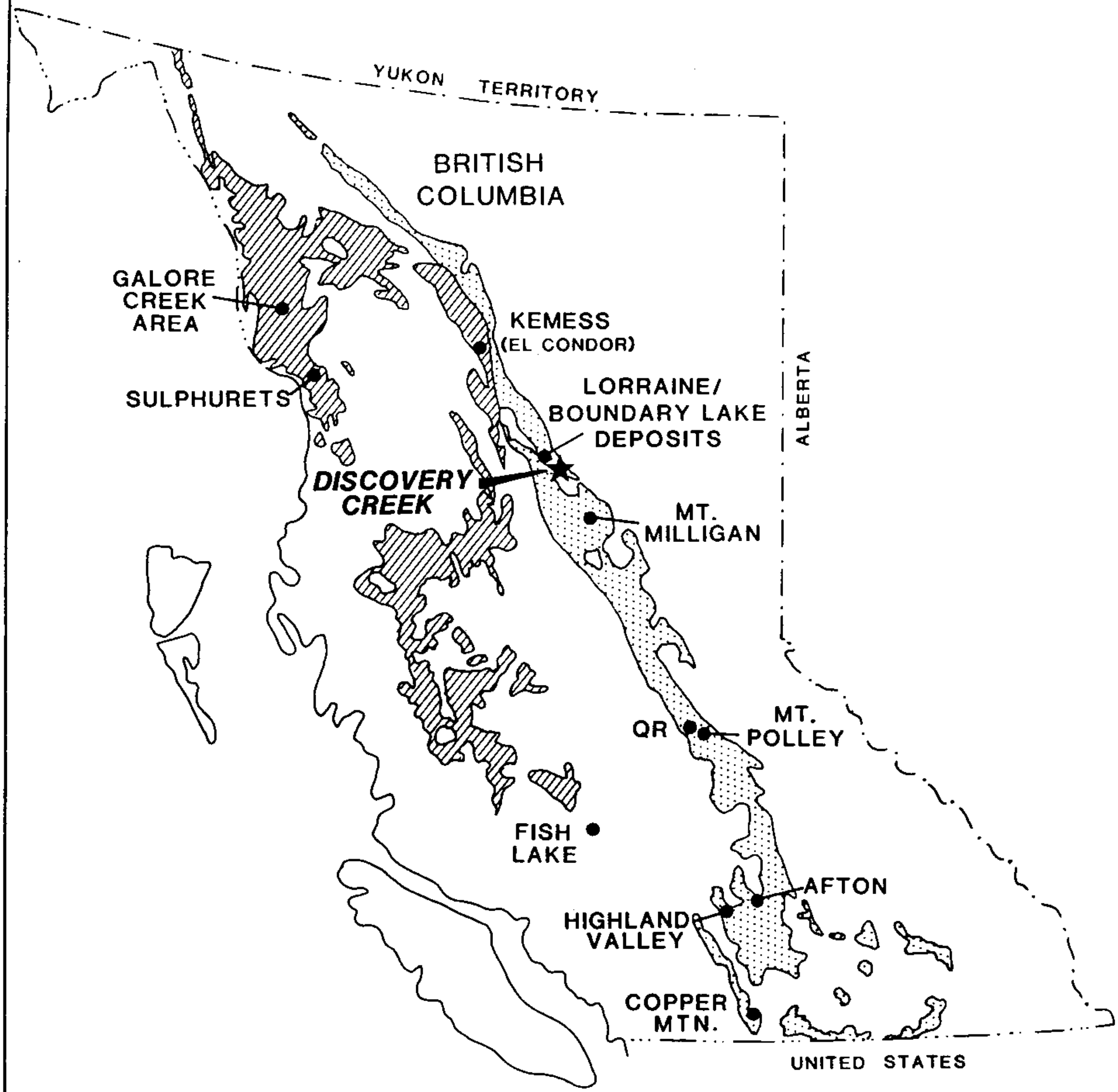
The geology of this region has been described by Armstrong (1945) and Garnett (1978). The most recent tectonic interpretation appears on Wheeler et al (1988).

Rocks underlying the Discovery Creek property belong to a stratigraphic-tectonic terrane known as "Quesnellia". This terrane extends in a north to northwesterly direction for hundreds of kilometres across most of British Columbia, but is in general only a few tens of kilometres wide (Figure 3).

At this latitude, Quesnellia trends north-northwesterly, consisting of a belt of Takla Group volcanic rocks to the east, and the Hogem Batholith to the west (Figure 4). The Takla Group, of Upper Triassic to Middle Jurassic age, comprises basaltic to andesitic flows, breccias, agglomerates, and tuffs. Sedimentary rocks, which occur in the Takla Group in other parts of British Columbia, are of rare occurrence in this region. According to Garnett (1978), the Hogem Batholith consists of three or four suites of rock: i) monzonite and monzodiorite of Upper Triassic to Lower Jurassic age (Hogem Basic Suite); ii) granodiorite of a similar age to (i) and which may or may not constitute a separate phase; iii) a Lower to Middle Jurassic syenite suite; and iv) a Lower Cretaceous leucocratic granite to quartz syenite suite. The Takla volcanics are probably comagmatic with the Hogem Basic Suite ((i) above). The Harper Ranch subterrane of Quesnellia represents basement to the Takla Group, appearing at surface in a parallel belt immediately to the east. Harper Ranch subterrane consists of Upper Devonian to Triassic arc clastics, volcanics, and carbonate (Wheeler et al, 1988).

Quesnellia is an allochthonous terrane which was obducted onto the North American continent in Jurassic time. In this area, it is separated from North American rocks by Slide Mountain Terrane oceanic volcanic and sedimentary rocks of Devonian to Late Triassic age. The boundary between Harper Ranch subterrane and Slide Mountain units is marked by the Manson Fault zone, a major structural feature situated about 7 to 10 km northeast of the Discovery Creek property. North American rocks, represented by Wolverine complex schists and gneisses, occur 20 km northeast.

At the latitude of Omineca River, Harper Ranch units are 6 to 10 km wide, the Takla Group belt also 6 to 10 km, and the Hogem Batholith, 8 to 15 km broad. The Hogem Batholith is separated from Cache Creek Terrane to the west by another major structure, the Pinchi Fault. Cache Creek Terrane consists of oceanic volcanic and sedimentary rocks of Mississippian to Triassic age.



LEGEND

Upper Triassic–Lower Jurassic

Quesnellia Terrane Volcanics and comagmatic intrusive rocks

Devonian–Permian

Stikinia Terrane: Arc volcanics and carbonates intruded by comagmatic plutonic rocks

● Porphyry copper–gold deposits

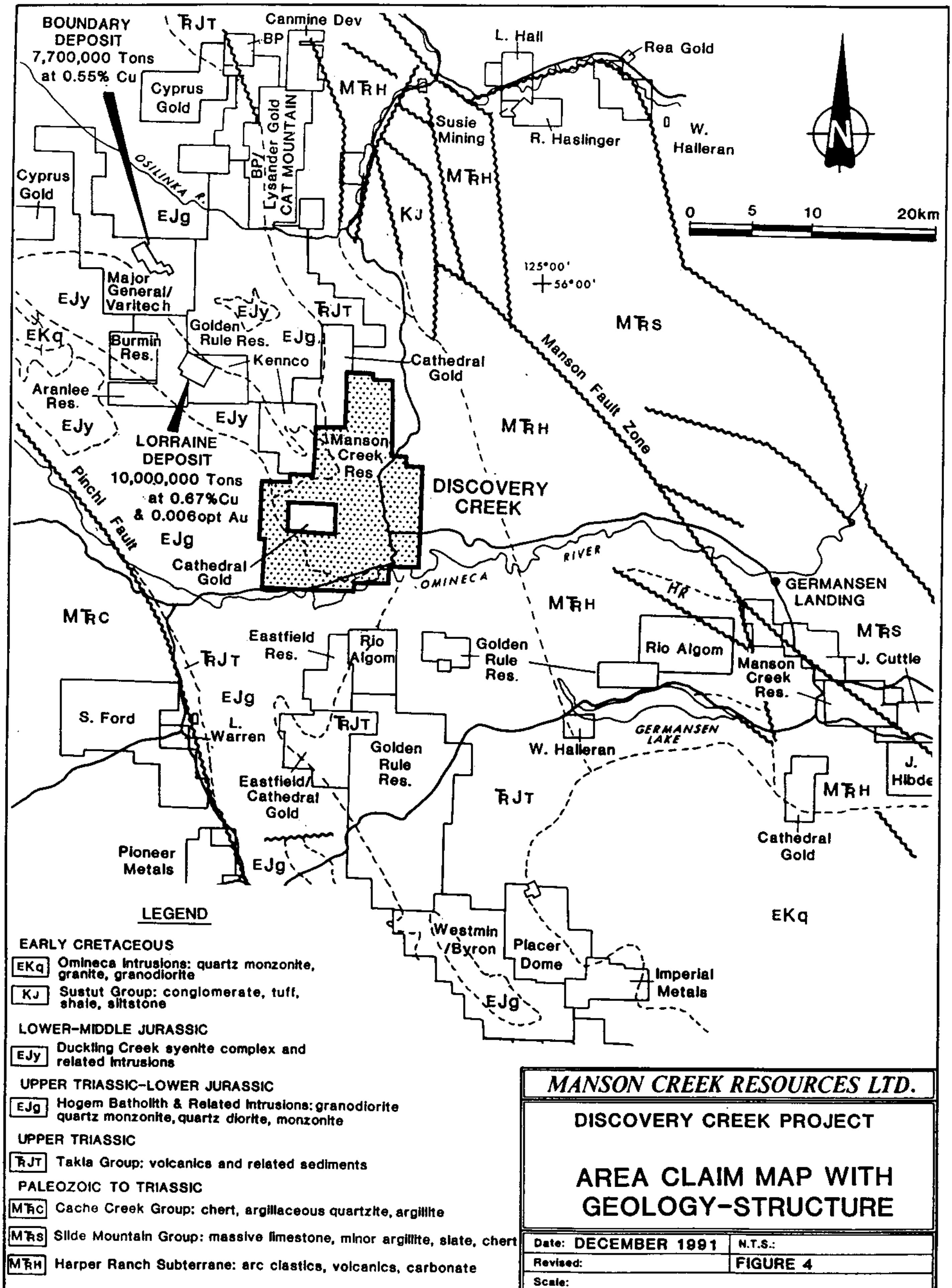
Terrane map from Wheeler et al (1988)

0 200 400
METRES

MANSON CREEK RESOURCES LTD.

TERRANE MAP SHOWING MAJOR PORPHYRY DEPOSITS

Date:	N.T.S.:
Revised:	FIGURE 3
Scale:	


BOUNDARY DEPOSIT
7,700,000 Tons at 0.55% Cu
TRJT
Canmine Dev
BP
Cyprus Gold
MTRH
L. Hall
Rea Gold
BP/ Lysander Gold
CAT MOUNTAIN
Susie Mining
R. Haslinger
W. Halleran
OSILINKA R.
Cyprus Gold
EJg
KJ
0 5 10 20km
125°00'
56°00'
Major General/ Varitech
EJy
EJy
TRJT
MTRS
EKq
Burmin Res.
Golden Rule Res.
EJg
Kennco
Cathedral Gold
Manson Fault Zone
Aranlee Res.
EJy
EJy
MTRH
LORRAINE DEPOSIT
10,000,000 Tons at 0.67%Cu & 0.006opt Au
Manson Creek Res
DISCOVERY CREEK
Pinchi Fault
EJg
Cathedral Gold
RIVER
OMINECA
HR
GERMANSEN LANDING
MTRC
MTRH
Eastfield Res.
Rio Algom
Golden Rule Res.
Rio Algom
MTRS
TRJT
Manson Creek Res.
J. Cuttle
EJg
S. Ford
L. Warren
TRJT
Golden Rule Res.
GERMANSEN LAKE
W. Halleran
J. Hibde
Eastfield/ Cathedral Gold
TRJT
MTRH
Cathedral Gold
Pioneer Metals
EJg
EKq
Westmin /Byron
Placer Dome
Imperial Metals
EJg
LEGEND
EARLY CRETACEOUS
EKq Omineca Intrusions: quartz monzonite, granite, granodiorite
KJ Sustut Group: conglomerate, tuff, shale, siltstone
LOWER-MIDDLE JURASSIC
EJy Duckling Creek syenite complex and related intrusions
UPPER TRIASSIC-LOWER JURASSIC
EJg Hogem Batholith & Related Intrusions: granodiorite quartz monzonite, quartz diorite, monzonite
UPPER TRIASSIC
TRJT Takla Group: volcanics and related sediments
PALEOZOIC TO TRIASSIC
MTRC Cache Creek Group: chert, argillaceous quartzite, argillite
MTRS Slide Mountain Group: massive limestone, minor argillite, slate, chert
MTRH Harper Ranch Subterrane: arc clastics, volcanics, carbonate
MANSON CREEK RESOURCES LTD.
DISCOVERY CREEK PROJECT
AREA CLAIM MAP WITH GEOLOGY-STRUCTURE
Date: DECEMBER 1991
N.T.S.:
Revised:
FIGURE 4
Scale:

The Quesnellia terrane in British Columbia is host to several important classes of mineral deposits. There is a great deal of current interest in alkaline intrusive related porphyry gold-copper deposits, such as Mt. Milligan, Mt. Polley, Afton, and Copper Mountain (Figure 3). Quesnellia is also host to the Highland Valley calc-alkaline porphyry copper deposits, the QR intrusive related gold deposit, and the Boss Mountain porphyry molybdenum deposit. The Sustut stratabound epigenetic copper deposit occurs in Takla Group conglomerates in Stikinia Terrane, but very close to Quesnellia. In the Dease Lake area, the Kutcho Creek volcanogenic massive sulphide deposit occurs in Triassic volcanics, again just outside the boundary of Quesnellia (Figure 3). The recent discovery of the Mt. Milligan alkaline porphyry gold-copper deposit, located 110 km southeast of Discovery Creek, has instigated a great deal of exploration activity in this area during the last three years.

Several copper +/- gold occurrences are known from the vicinity of the Discovery Creek property. The Lorraine and Boundary deposits occur 10 km and 20 km, respectively northwest of the property, and both are associated with the Duckling Creek syenite complex, one of the Lower to Middle Jurassic syenites of the Hogem Batholith. Lorraine is reported to host 10 million tons of ore grading to 0.67% copper and 0.006 oz/ton gold; with Boundary quoted at 7.7 million tons of 0.55% copper. The geology of both areas is described by Garnett (1978). Both occur within the syenite, near its northeastern contact with the Hogem Basic Suite; <u>this contact strikes onto Manson Creek's properties to the southeast</u>. The mineralization occurs as disseminated chalcopyrite, and bornite (rare at Boundary), in a foliated border phase of the syenite. Potash feldspar alteration is important in both areas.

A joint venture of Lysander Gold Corp. and BP Minerals is actively exploring another gold-copper prospect at Cat Mountain, 25 km north-northwest of the Discovery Creek property. Cat Mountain occurs close to the eastern boundary of the Hogem Batholith, and is underlain by Takla volcanics and a central porphyritic syenite intrusion (Assessment Report 7999). Mineralization occurs in gold-copper-magnetite veins, and one zone is enriched in arsenopyrite. Alteration consists of epidote, chlorite, and K-feldspar. Copper grades varying from 0.2% to 2.0% accompanied by gold in the 0.02 oz/ton to 0.30 oz/ton range, over widths up to 15 m or more, have been reported from drill holes and trenches (Assessment Report 7999; Lysander Gold Corp., 1990).

Other copper showings in the Hogem Batholith in this area include the Dorothy, Elizabeth, and Duckling localities, within 1 or 2 km of the western boundary of the Manson Creek property. The Rondah showing, near the headwaters of Wasi Creek, lies just outside the northern property boundary.

The Mt. Milligan deposit, 110 km southeast of Discovery Creek, provides a useful model for exploration in regions underlain by Takla Group volcanic rocks. The deposit occurs adjacent to several smallish, subvolcanic, alkaline stocks (mainly monzonites). The ore deposit occurs near the eastern edge of a large coincident magnetic, IP, and soil geochemical anomaly. Magnetic anomalies in the area are related to the intrusive stocks. From an exploration viewpoint, it is important to note that these anomalies cover a much larger area than the deposit itself. Alteration at Mt. Milligan consists of a central potassic core (hydrothermal K-feldspar and biotite), and an outer prophylitic halo (Rebagliati and Copeland, 1989).

5. **PROPERTY GEOLOGY**

The geology of the Discovery Creek property is relatively unclear. Outcrop exposure is poor, 1% to 2% of the property area, and mapping performed to date has been restricted to ridgetops. However, it is known that the property is underlain by two (2) discrete suites of rocks; the Takla Group volcanics, and intrusive phases of the Hogem Batholith. The Takla Group of rocks consist dominantly of volcanoclastic and pyroclastic rocks, with some exposures of massive andesite or basaltic flows on the property. When observed, these rocks trend between 40 deg. and 160 deg., with westerly dips ranging from 65 deg. to vertical. Rocks associated with the Hogem Batholith occur in two (2) separate settings in the project area; those belonging to the main batholith (dominantly quartz monzodiorite and syenite), and smaller intrusions within the Takla Group rocks to the south and east of the batholith (dominantly monzodiorite, quartz monzodiorite, feldspar porphyry, diorite and minor syenite). All occurrences of Hogem type rocks are associated with aeromagnetic highs.

The 1991, fall diamond drill program explored only a very small area of the Discovery Creek property, and thus an overall good understanding of the property geology is lacking. The observations from the fall drill program will be discussed later in the report.

6. **1991 EXPLORATION PROGRAM**

6.1 Base of Slope Soil Sampling Program

During the period of July 1, 1991 through July 4, 1991, a short base of slope soil sampling program was conducted on the Discovery Creek property. The program was designed to test the property for gold and copper anomalies outlined in previous assessment reports with initial work concentrated in the vicinity of Cathedral Gold Corporation;s Ling claims.

Samples were collected every 200 m along base of slope drainage channels (either side), on three (3) separate drainages. Refer to Figure 5.

Samples were taken from a medium rusty brown soil horizon occurring below a dark grey to black top soil and vegetation layer. Sample depth varied from 15 cm to 75 cm depending on the top soil thickness and were predominantly taken at a depth of 25 cm to 35 cm. Approximately 200 to 400 grams of material was collected and deposited in a wet strength kraft paper envelope at each sample location. In all, 84 samples were collected over 7,800 m of drainage(s), and all samples were dried in the field, and then shipped to Acme Analytical Labs in Vancouver for 30 element ICP analysis.

An anomalous zone occurs across Creeks 2 and 3 immediately northeast of the Ling claims. The zone trends north-south and is approximately 800 m wide. Values of 100 ppm Cu or greater are considered anomalous. Other anomalous values occur on the north side of Creek 1, approximately 1 km east of Duckling Creek (Figure 5).

All results of the base of slope sampling program are listed in Appendix A (see assay summary and assay certificates), and copper values are plotted on Figure 5 (Komarevich, 1991). Refer to Appendix A for original report.

6.2 Diamond Drilling

Exploration activities in the early 1970's by Noranda and Canadian Superior (as compiled from assessment files), and more recently by Manson Creek, suggested that an excellent Cu-Au porphyry style drill target exists in the area of the DC Zone (figure 5) on the Discovery Creek property. To test this target, a 1,000 m to 1,300 m (3,000' to 4,000'), drill program was designed and exploration activities commenced October 16, 1991.

To establish ground control in the area of the DC zone, a couple of days were spent finding and walking old grid lines. The north-south grid lines of the Canadian Superior, 1974 grid, were marked only by ribbons. One such ribbon, located on the south bank of the east-west trending creek (east flowing), clearly showed the grid coordinates L68E/86N. It was decided to use this coordinate as a starting point for a new control grid. See figure 5.

The drilling contract was awarded to Britton Bros. Diamond Drilling Ltd, of Smithers, B.C., and diamond drilling commenced on October 21, 1991 and was completed on October 27, 1991. In all, three (3) NQ size drill holes were drilled for a total of 424.3 m (1,392') drilled. All drill holes were vertical (ie. dip of -90 degrees), and were spaced 400 metres apart in a north-south profile across a coincident IP and geochem anomaly. The drill program was abandoned after three (3) drill holes due to poor results.

All drill core was split and sampled at one meter intervals and then shipped from the field to Acme Analytical Labs in Vancouver to be assayed. Each sample was subjected to .5 gm aqua regia-ICP 30 elements type of assay, as well as a 10 gm aqua-regia digestion with atomic absorption procedure to assay for gold. The drill core is stacked and stored at Guilliland's Lodge in Germansen Landing, B.C.

The location orientation and total depths of all the drill holes drilled during the program are indicated in the table below, as well as on the enclosed drill hole map (figure 5).

DRILL HOLE SUMMARY
TABLE 2

DRILL HOLE NUMBER	DATE COMPLETED	TOTAL DEPTH M (FEET)	GRID COORDINATES	DIP (DEGREES)
DC-91-1	23/10/91	164.3 (539')	L5+00W/0+25N	-90 DEG.
DC-91-2	25/10/91	151.5 (497')	L5+00W/4+25N	-90 DEG.
DC-91-3	27/10/91	108.5 (356')	L5+00W/8+25N	-90 DEG.
	TOTAL DRILLED:	424.3 (1,392')		

7. 1991 DIAMOND DRILLING RESULTS

The focus of the 1991 fall drill program was on the DC Zone (Figure 5). The DC Zone, - site of 1974 exploration activities on the BX 1 and BX 2 claims by Canadian Superior, is mapped as favourable Cu-Au porphyry geology at the contact of the Hogem Batholith with Takla volcanics. A good size and grade Cu in Soil anomaly is flanked by a strong IP chargeability anomaly at the contact area. Geological mapping indicates the area has undergone Potassic Alteration and traces of chalcopyrite have been mapped in outcrop. The configuration of the anomalies spatially resemble an intrusive/porphyry complex.

The three (3) drill holes drilled to test the DC Zone, all interesected massive volcanics, with the exception of drill hole DC-91-1. Minor amounts of syenite, in the form of dykes and dykelets, was encountered in drill hole DC-91-1. The volcanics

(Takla group) are typically fine grained, green, weakly porphyritic to locally strongly porphyritic, very massive, unaltered and undeformed. Local sections of bleaching does occur where epidote and minor K-spar alteration has been introduced; however, overall alteration is weak. Mineralization in the three (3) drill holes is also very weak. Disseminated pyrite was observed in the bleached zones occasionally up to 5% and chalcopyrite was also observed disseminated, and as stringers up to 1% in some bleached sections. Overall disseminated mineralization within the volcanic unit is less than 1%. Four (4) representative drill core samples from the drilling program, were submitted to Vancouver Petrographics Ltd. for petrographic analysis. The analyses are consistent with field observations, and results of the analysis are included in Appendix B.

Geophysical surveys have suggested that a large intrusive body lies south of location DC-91-1, and the occurrence of syenite dykes and dykelets in drill hole DC-91-1, suggests that the collar location of DC-91-1 may be near the, or a, Takla/Intrusive contact. The syenite was logged as a fine to medium grained, tan coloured, very homogeneous unit, with very little alteration or observed mineralization. Locally disseminated chalcopyrite was observed in the syenite; however, in amounts less than 1%.

Due to the lack of mineralization and alteration observed in drill holes DC-91-1 through DC-91-3, the drill program was cut short. Based on the results of the drilling, its difficult to speculate on the Cu soil geochemical anomaly, and the coincident IP chargeability anomaly that constitutes the DC Zone. The assays results suggest that copper is present within the Takla volcanics, but in weakly anomalous concentrations. Refer to Table 3 for an assay summary of the fall drill program, and to Figure 6 (in map pocket at back) for an illustration of drilling results. The drill logs are contained in Appendix C.

ASSAY SUMMARY
TABLE 3

DRILL HOLE NUMBER	Au Cu ZONE	FROM (M)	TO (M)	INTERCEPT M (FEET)	Au OPT Cu %
DC-91-1	Copper	3.7	164.3	160.6 (527')	87.10 ppm
	Lead	3.7	164.3	160.6 (527')	3.32 ppm
	Zinc	3.7	164.3	160.6 (527')	32.10 ppm
	Arsenic	3.7	164.3	160.6 (527')	2.81 ppm
	Gold	3.7	164.3	160.6 (527')	4.43 ppb
DC-91-2	Copper	3.1	151.5	148.4 (487')	159.31 ppm
	Lead	3.1	151.5	148.4 (487')	3.21 ppm
	Zinc	3.1	151.5	148.4 (487')	43.53 ppm
	Arsenic	3.1	151.5	148.4 (487')	3.50 ppm
	Gold	3.1	151.5	148.4 (487')	8.82 ppb

DRILL HOLE NUMBER	Au Cu ZONE	FROM (M)	TO (M)	INTERCEPT M (FEET)	Au OPT Cu %
DC-91-3	Copper	3.1	108.7	105.6 (347')	145.51 ppm
	Lead	3.1	108.7	105.6 (347')	3.69 ppm
	Zinc	3.1	108.7	105.6 (347')	59.80 ppm
	Arsenic	3.1	108.7	105.6 (347')	2.60 ppm
	Gold	3.1	108.7	105.6 (347')	6.77 ppb

8. <u>CONCLUSIONS AND RECOMMENDATIONS</u>

The results of the 1991 fall drill program suggest that the coincident soil (Cu) geochem anomaly, and the IP chargeability that constitute the DC Zone, are not the result of a subsurface mineralized zone, rich in copper. All three (3) drill holes failed to intersect any significant copper/gold mineralization, or any significant alteration which would be suggestive of a porphyry copper/gold type of deposit.

Any future exploration on the Discovery Creek property would have to be more "grass roots" in nature. Upon the establishing of good grid control, the area of interest (DC Zone or other areas), should be well mapped, and the thin overburden on the property suggests that soil geochemistry surveys can be utilized. Surface mapping, soil geochem, and detailed ground geophysics followed by possible trenching programs, are suggested prior to any future diamond drilling programs.

Respectfully Submitted,

Ian Fraser

9. ***SUMMARY OF EXPENDITURES***

Geological Personnel	$17,471.70
Support Personnel	3,328.13
Camp Costs	696.95
Field Costs	6,551.84
Charter Air Support	7,530.01
Travel Expenses	1,518.09
Expediting	140.25
Contractor-Drilling	42,394.66
	6,948.53
Contractor-Core Analysis	5,987.98
	$86,580.16

10. <u>REFERENCES</u>

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Wheeler, J.O.; Brookfield, A.J.; Gabrielse, H.; Monger, J.W.H.; Tipper, H.w.; and Woodsworth, G.J. (1988): Terrane map of the Canadian Cordillera; G.S.C. Open file 1894.

11. STATEMENT OF QUALIFICATIONS

I, Ian Robert Fraser, do hereby certify that:

1. I am a contract geologist for Golden Rule Resources Ltd. with offices at #1450, 125-9th Avenue S.E., Calgary, Alberta, T2G 0P6

2. I am a graduate of the University of Laurentian, B.Sc. Geology.

3. I am a member in good standing of the Canadian Institute of Mining and Metallurgy.

4. I was employed by Golden Rule Resources Ltd. to prepare this report based on previous work done on the property and on published information, and to prepare future recommendations.

5. I have no conflicting interest, direct or indirect, in Golden Rule Resources Ltd., nor in any of their properties, nor do I expect to received any such interest.

6. This report may be used by Golden Rule Resources Ltd., in whole or in part, as they so require.

Ian R. Fraser, B.Sc., Geologist

APPENDIX A

BASE OF SLOPE

SOIL SAMPLING SUMMARY

ON THE

DISCOVERY CREEK PROPERTY

BLONDIE 1-8
BX 1-23
DUCKY 1-3
WILLY 1-5

OMINECA MINING DIVISION

BRITISH COLUMBIA

NTS 93N/14E&W

FOR

GOLDEN RULE RESOURCES LTD

BY

MICHAEL P. KOMAREVICH

JULY 17, 1991

During the period of July 1, 1991 through July 4, 1991, a short base of slope soil sampling program was conducted on the Discovery Creek property in north-central British Columbia. The property is located 265 km north-west of Prince George and 30 km west of Germansen Landing. The claim block consists of 39 modified grid claims totalling 666 units with a surficial area of about 16,650 ha. The author resided in Germansen Landing and was transported to the property daily by helicopter.

The program was set up to test the property for gold and copper anomalies outlined in previous assessment reports with initial work concentrated in the vicinity of Cathedral Gold Corporation's Ling claims. It consisted of base of slope soil sampling along drainage channels. Sampling was performed at 200 m intervals along both sides of the drainage channel way. A medium rusty brown soil horizon was sampled occurring below the dark grey to black top soil and vegetation layer. Sample depth varied from 15 cm to 75 cm depending on the top soil thickness and were predominantly taken at a depth of 25 cm to 35 cm.

Approximately 200 to 400 grams of material were collected in a wet strength kraft paper envelope at each location along the drainages. Sampling was undertaken on the three (3) drainages listed below:

Creek 1 originated on the Ducky 3 claim and flowed into Duckling Creek on the BX 8 claim. The creek was sampled over 2,800 m and a total of 30 samples (CR-1-01 through CR-1-30) were taken.

Creek 2 started on the Ducky 1 claim and flowed across the Willy George Fault onto the BX 2 claim. A total of 28 samples (CR-2-01 through CR-2-28) were taken over 2,600 m.

Creek 3 originated near Creek 2 on the Ducky 1 claim and flows onto the BX 1 claim. A total of 26 samples (CR-3-01 through CR-3-26) were taken over 2,400 m.

In total 84 samples (see assay summary and Figure 6) were taken over 7,800 m of drainages. The samples were air dried and shipped to Acme Analytical Labs in Vancouver for 30 element ICP analysis.

Results are listed in the assay certificate with copper values provided in the assay summary and on maps 2 and 3. Values of 100 ppm Cu or greater are considered anomalous at this point until a more accurate value is determined from further sampling results.

An anomalous zone occurs across Creeks 2 and 3 immediately north-east of the Ling claims. It trends approximately north-south and is approximately 800 m wide. Other anomalous values occur on the north side of Creek 1 approximately 1 km east of Duckling Creek. Further sampling along drainages to the north is recommended to test the continuity of these anomalies.

The sampling program is expected to resume in late July and continue into August. Currently, Acme Analytical Labs have been instructed to analyze all samples for aqua regia leachable gold with results pending.

Michael P. Komarevich

Michael P. Komarevich

July 17, 1991

cc: BC-42 Tech

Assay Summary

Creek 1

Sample #			Cu (ppm)				
CR-1-01			79				
CR-1-02			128				
CR-1-03			178				
CR-1-04			64				
CR-1-05			61				
CR-1-06			103				
CR-1-07			34				
CR-1-08			74				
CR-1-09			31				
CR-1-10			148				
CR-1-11			237				
CR-1-12			54				
CR-1-13			71				
CR-1-14			162				
CR-1-15			163				
CR-1-16			12				
CR-1-17			33				
CR-1-18			126				
CR-1-19			285				
CR-1-20			14				
CR-1-21			720				
CR-1-22			21				
CR-1-23			79				
CR-1-24			28				
CR-1-25			57				
CR-1-26			26				
CR-1-27			60				
CR-1-28			65				
CR-1-29			91				
CR-1-30			39				

Assay Summary

Creek 2

Sample #			Cu (ppm)				
CR-2-01			60				
CR-2-02			73				
CR-2-03			22				
CR-2-04			119				
CR-2-05			113				
CR-2-06			24				
CR-2-07			90				
CR-2-08			118				
CR-2-09			99				
CR-2-10			88				
CR-2-11			475				
CR-2-12			123				
CR-2-13			105				
CR-2-14			26				
CR-2-15			86				
CR-2-16			49				
CR-2-17			75				
CR-2-18			123				
CR-2-19			32				
CR-2-20			102				
CR-2-21			34				
CR-2-22			39				
CR-2-23			64				
CR-2-24			94				
CR-2-25			134				
CR-2-26			83				
CR-2-27			37				
CR-2-28			43				

Assay Summary

Creek 3

Sample #	Cu (ppm)
CR-3-01	62
CR-3-02	48
CR-3-03	38
CR-3-04	115
CR-3-05	29
CR-3-06	70
CR-3-07	62
CR-3-08	109
CR-3-09	164
CR-3-10	115
CR-3-11	180
CR-3-12	203
CR-3-13	172
CR-3-14	87
CR-3-15	42
CR-3-16	57
CR-3-17	60
CR-3-18	74
CR-3-19	17
CR-3-20	116
CR-3-21	87
CR-3-22	123
CR-3-23	42
CR-3-24	41
CR-3-25	83
CR-3-26	24

ACME ANALYTICAL LABORATORIES

TELEFAX

852 East Hastings Street
Vancouver, B. C.
CANADA V6A 1R6

Telephone: 604 253 - 3158
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Attention: Mick	Date: Dec 10, 1991
Company: Golden Rule	
From: Lisa	Number of pages incl. this one: 3

Short message: 91-2339

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716

GEOCHEMICAL ANALYSIS CERTIFICATE

Golden Rule Resources Ltd. File # 91-2339 Page 1

1450 - 125 - 9th St S.E., Calgary AB T2G 0P6 Submitted by: MICHAEL P. KOMAREVICH

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm
CR-1-1	15	79	3	101	.5	29	14	924	6.90	21	5	ND	1	33	.2	2	4	167	.31	.100	2	126	1.52	114	.19	3	2.28	.04	.23	1
CR-1-2	2	28	4	62	.4	8	6	559	1.93	2	5	ND	1	42	.2	2	2	81	.25	.059	4	32	.52	49	.12	3	1.32	.02	.05	1
CR-1-3	2	178	2	110	.3	59	26	815	4.80	6	5	ND	1	43	.2	2	2	128	.51	.083	4	191	1.93	118	.18	3	1.98	.03	.62	1
CR-1-4	3	64	6	80	.1	36	12	466	3.19	6	5	ND	1	34	.2	2	2	113	.26	.029	2	134	1.31	41	.19	2	1.40	.03	.10	1
CR-1-5	3	61	3	83	.3	45	21	745	3.19	4	5	ND	1	54	.2	2	2	88	.40	.043	2	160	1.45	125	.14	3	1.41	.03	.15	1
CR-1-6	3	103	6	94	.3	34	16	861	3.65	4	5	ND	1	82	.2	2	2	110	.71	.094	6	108	1.26	90	.11	2	1.32	.03	.22	1
CR-1-7	1	34	3	81	.2	49	18	865	2.52	2	5	ND	1	68	.2	2	2	68	.61	.051	2	166	1.55	132	.11	2	1.45	.03	.22	1
CR-1-8	1	74	3	49	.2	35	14	413	3.34	6	5	ND	1	66	.2	2	2	91	.57	.092	6	123	1.12	98	.11	2	1.17	.03	.30	1
CR-1-9	1	31	2	70	.3	59	17	351	2.74	2	5	ND	1	56	.2	2	2	70	.47	.030	2	205	1.76	88	.20	2	1.61	.03	.29	1
CR-1-10	1	148	2	93	.3	119	33	696	4.52	5	5	ND	1	46	.2	3	2	114	.56	.092	4	287	3.52	288	.24	2	2.79	.04	1.52	1
CR-1-11	15	237	2	144	1.2	74	22	1280	3.56	4	5	ND	1	79	1.3	3	2	130	1.51	.068	6	197	2.03	175	.13	2	1.97	.02	.34	1
CR-1-12	3	54	4	90	.3	59	17	599	3.54	4	5	ND	1	76	.2	2	2	112	.62	.058	3	170	1.63	143	.21	2	1.66	.03	.18	1
CR-1-13	4	71	11	362	.4	29	21	3654	3.62	4	5	ND	1	96	2.1	2	2	102	.68	.105	4	104	.85	227	.09	2	1.18	.02	.26	1
CR-1-14	1	162	11	210	.3	31	20	1406	4.65	9	5	ND	1	122	.6	2	2	144	.65	.095	6	98	1.41	95	.13	2	1.86	.03	.22	1
CR-1-15	2	163	3	101	.4	53	23	950	3.27	8	5	ND	1	111	1.6	2	2	116	1.11	.098	4	144	1.68	100	.11	5	1.75	.03	.25	1
CR-1-16	1	12	2	20	.1	20	5	152	2.82	2	5	ND	1	64	.2	2	2	109	.21	.014	3	182	.09	35	.10	2	.38	.02	.04	1
CR-1-17	1	33	4	57	.2	29	10	302	2.49	2	5	ND	1	90	.2	2	2	89	.67	.033	2	113	.93	96	.16	2	1.07	.03	.09	1
CR-1-18	3	126	8	95	.2	44	19	582	3.69	7	5	ND	1	158	.2	2	2	132	1.01	.102	7	134	1.45	98	.12	2	1.87	.02	.36	1
CR-1-19	1	285	4	73	.4	81	26	443	3.73	10	5	ND	1	134	.4	3	2	129	.90	.050	2	228	2.47	165	.24	2	2.25	.03	.66	1
CR-1-20	1	14	4	16	.2	4	2	72	.49	2	5	ND	1	38	.2	2	2	23	.25	.024	4	30	.16	29	.08	2	.44	.02	.06	1
CR-1-21	2	720	4	189	.5	57	19	1226	2.96	5	5	ND	1	128	.5	3	2	85	1.91	.083	17	186	1.61	137	.11	4	1.80	.02	.32	1
CR-1-22	3	21	2	17	.1	4	2	76	.54	2	5	ND	1	82	.2	2	2	26	.35	.007	4	37	.11	74	.09	2	.51	.02	.04	1
CR-1-23	1	79	2	62	.2	97	27	395	4.10	8	5	ND	1	49	.2	4	3	106	.36	.041	2	319	2.61	160	.25	2	2.44	.03	.60	1
CR-1-24	1	28	5	65	.3	18	13	386	5.44	6	5	ND	1	54	.2	2	2	138	.36	.244	4	60	1.07	87	.21	2	1.94	.03	.12	1
CR-1-25	2	57	6	57	.2	23	10	317	3.89	7	5	ND	1	79	.2	2	2	123	.41	.072	4	89	.74	55	.12	2	1.10	.02	.05	1
CR-1-26	3	26	4	43	.1	14	7	275	3.29	4	5	ND	1	75	.2	2	2	102	.33	.056	4	49	.48	64	.13	2	1.24	.02	.05	1
CR-1-27	4	60	7	50	.1	13	7	300	2.30	2	5	ND	1	119	.2	2	2	70	.62	.063	7	39	.48	43	.10	2	1.13	.03	.06	1
CR-1-28	1	65	2	49	.2	23	10	317	3.52	2	5	ND	1	76	.2	2	2	87	.43	.075	6	65	.79	84	.13	2	1.73	.03	.07	1
CR-1-29	5	91	6	96	.4	59	21	544	5.09	6	5	ND	1	48	.2	3	2	127	.40	.106	3	204	1.80	53	.21	2	2.12	.03	.11	1
CR-1-30	1	39	6	44	.2	17	10	317	3.08	2	5	ND	3	80	.2	2	2	77	.44	.073	7	39	.59	89	.14	2	1.73	.03	.06	1
CR-2-1	1	60	8	98	.4	45	15	657	4.46	3	5	ND	1	34	.2	2	2	97	.40	.095	2	221	1.60	64	.11	2	2.18	.04	.19	1
CR-2-2	2	73	2	96	.6	25	13	584	3.60	5	5	ND	1	45	.2	2	2	89	.34	.104	4	85	1.15	41	.08	2	2.32	.03	.08	1
CR-2-3	1	22	7	90	.4	44	16	585	3.86	2	5	ND	1	45	.2	2	2	88	.51	.060	2	205	1.47	76	.13	2	1.73	.05	.17	1
CR-2-4	1	119	4	139	.9	51	22	773	4.96	16	5	ND	1	47	.2	5	2	125	.71	.076	5	290	1.79	40	.10	2	2.47	.04	.20	1
CR-2-5	2	113	2	73	.8	63	21	510	4.14	8	5	ND	1	57	.2	3	3	121	.65	.049	3	203	2.09	42	.16	2	2.20	.03	.13	1
CR-2-6	1	24	4	98	.2	74	25	724	4.17	4	5	ND	1	51	.2	5	2	95	.99	.053	2	208	2.54	65	.18	2	2.23	.04	.13	1
STANDARD C	18	57	41	132	7.0	71	32	1041	3.97	38	16	6	39	52	18.4	15	18	55	.48	.090	39	58	.88	178	.09	34	1.88	.06	.15	13

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: SOIL

DATE RECEIVED: JUL 8 1991 **DATE REPORT MAILED:** July 11/91. **SIGNED BY** .... D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

ACME ANALYTICAL

Golden Rule Resources Ltd. FILE # 91-2339

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm
CR-2-7	1	90	2	95	.1	70	26	757	4.18	10	5	ND	1	66	.2	2	3	125	.95	.044	2	210	2.37	61	.15	2	2.49	.04	.08	1
CR-2-8	1	118	4	94	.2	66	27	723	4.63	8	5	ND	1	56	.2	2	2	117	.76	.032	2	212	2.24	73	.18	2	2.74	.04	.09	1
CR-2-9	1	99	2	76	.1	53	19	517	5.14	12	5	ND	1	51	.2	5	2	111	.51	.100	2	178	1.53	40	.15	2	2.28	.03	.07	1
CR-2-10	1	88	2	76	.1	43	18	471	5.75	11	5	ND	1	56	.2	3	2	131	.46	.038	2	150	1.36	32	.22	2	2.48	.04	.11	1
CR-2-11	1	475	2	142	.3	62	33	1178	4.13	8	5	ND	1	74	.2	4	2	101	1.21	.043	3	156	1.72	72	.15	3	2.60	.04	.09	1
CR-2-12	1	123	3	89	.2	33	17	906	3.45	10	5	ND	1	68	.2	2	2	96	.76	.073	5	102	1.12	65	.09	2	1.77	.03	.11	1
CR-2-13	1	105	6	116	.2	43	22	586	5.28	12	5	ND	1	129	.2	2	2	138	1.82	.058	2	105	.99	59	.20	3	2.94	.05	.09	1
CR-2-14	1	26	10	64	.3	21	10	299	4.05	11	5	ND	1	57	.2	2	2	118	.50	.022	2	103	.62	35	.19	3	1.31	.04	.05	1
CR-2-15	1	86	3	112	.3	48	21	818	4.06	10	8	ND	1	73	.2	4	7	104	.92	.043	2	135	1.51	51	.17	4	2.35	.04	.11	2
CR-2-16	1	49	4	84	.1	57	23	611	4.08	8	5	ND	1	65	.2	5	2	104	.69	.035	2	130	1.80	45	.18	3	2.08	.05	.13	3
CR-2-17	1	75	6	104	.1	23	16	591	5.83	6	5	ND	1	42	.2	2	5	160	.39	.101	4	59	1.24	67	.20	2	2.67	.03	.13	1
CR-2-18	2	123	7	115	.5	33	19	2122	4.84	6	5	ND	1	72	.6	2	2	120	.68	.066	5	106	1.02	77	.11	3	2.47	.03	.10	1
CR-2-19	1	32	6	80	.3	23	13	384	5.66	8	5	ND	1	38	.2	2	2	142	.29	.094	3	68	.70	39	.16	3	2.31	.02	.05	1
CR-2-20	1	102	23	114	.1	49	19	1126	4.13	11	9	ND	1	208	.5	3	2	117	1.66	.098	7	90	1.48	80	.09	4	2.33	.03	.25	2
CR-2-21	1	34	12	49	.1	19	9	389	2.32	7	5	ND	1	82	.3	2	2	78	.61	.038	5	49	.64	54	.13	2	1.29	.03	.06	2
CR-2-22	1	39	3	46	.1	18	9	274	3.19	9	5	ND	1	69	.2	2	2	103	.46	.028	3	54	.64	40	.16	3	1.45	.03	.05	2
CR-2-23	1	64	6	46	.1	15	10	384	2.99	7	5	ND	1	103	.2	2	2	75	.69	.083	6	37	.55	46	.09	3	1.21	.03	.05	1
CR-2-24	2	94	4	94	.2	26	14	602	4.31	7	5	ND	1	86	.3	2	2	110	1.02	.081	6	78	.90	63	.10	3	2.12	.04	.08	1
CR-2-25	3	134	5	60	.1	24	15	608	4.30	7	5	ND	1	75	.2	2	2	106	.66	.040	6	61	.70	47	.13	2	1.97	.04	.06	1
CR-2-26	1	83	6	54	.1	17	16	644	4.49	8	5	ND	1	87	.2	3	2	114	.70	.121	5	46	.66	52	.12	4	1.60	.04	.09	1
CR-2-27	1	37	8	70	.1	16	12	390	4.83	8	5	ND	1	50	.2	2	6	130	.39	.101	2	64	.63	47	.13	4	1.73	.03	.05	1
CR-2-28	1	43	8	73	.1	22	13	364	5.20	6	5	ND	1	44	.3	2	2	139	.38	.069	3	78	.66	50	.17	4	1.74	.03	.07	1
CR-3-1	1	62	3	111	.2	82	30	720	5.60	12	7	ND	1	44	.2	3	3	127	.43	.078	2	274	2.73	64	.17	2	3.20	.03	.29	1
CR-3-2	1	48	3	118	.2	64	25	796	5.26	11	5	ND	1	59	.5	5	2	108	.68	.087	2	249	2.02	95	.13	3	2.46	.04	.18	2
CR-3-3	1	38	2	105	.1	67	27	872	5.36	10	5	ND	1	49	.3	2	2	127	.69	.056	2	278	2.18	74	.21	4	2.25	.03	.15	1
CR-3-4	1	115	4	85	.4	72	28	765	4.37	13	6	ND	2	60	.7	3	2	136	.78	.050	2	240	2.35	49	.16	3	2.42	.03	.13	2
CR-3-5	1	29	4	100	.1	51	19	600	5.28	8	5	ND	1	55	.2	3	5	121	.58	.066	2	198	1.71	84	.19	3	2.08	.04	.14	1
CR-3-6	1	70	3	129	.2	41	22	709	6.62	11	5	ND	1	51	.3	3	2	150	.51	.059	2	157	1.48	88	.19	3	2.28	.03	.11	1
CR-3-7	3	62	2	88	.1	59	22	600	4.67	11	5	ND	1	60	.2	2	2	142	.92	.035	2	218	2.06	31	.20	3	2.34	.04	.13	1
CR-3-8	2	109	4	103	.1	71	31	900	5.94	13	5	ND	1	53	.2	3	2	166	.65	.040	3	249	2.59	54	.17	3	2.77	.03	.15	1
CR-3-9	2	164	4	71	.3	52	25	649	4.01	11	5	ND	1	64	.3	2	2	121	.92	.052	4	163	1.36	47	.13	3	2.36	.03	.11	3
CR-3-10	1	115	2	86	.1	70	31	628	6.47	14	5	ND	1	37	.6	3	2	175	.76	.049	2	158	2.10	31	.24	3	2.58	.05	.12	3
CR-3-11	3	180	3	168	.2	54	20	655	4.25	9	5	ND	1	75	.7	2	2	105	1.01	.050	3	163	1.61	57	.13	3	2.23	.04	.12	1
CR-3-12	2	203	3	123	.2	43	19	789	4.19	9	5	ND	1	74	.5	2	2	98	.80	.056	4	129	1.18	56	.11	3	1.85	.03	.12	1
CR-3-13	4	172	2	80	.1	47	18	515	4.04	8	5	ND	1	122	.3	2	2	93	.99	.060	4	155	1.35	40	.12	4	2.05	.04	.12	1
CR-3-14	1	87	2	67	.1	42	18	569	3.48	6	5	ND	1	68	.6	2	2	88	.60	.034	3	124	1.26	41	.17	4	1.69	.04	.09	1
STANDARD C	17	56	36	133	6.9	71	33	1053	3.91	38	23	6	41	52	18.6	14	19	55	.48	.090	39	58	.87	174	.09	34	1.89	.06	.14	12

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm
CR-3-15	1	42	3	100	.6	28	15	352	4.46	5	5	ND	1	67	.2	2	2	86	.43	.057	3	106	.96	52	.14	2	2.26	.02	.07	2
CR-3-16	3	57	5	61	.3	16	9	302	3.38	5	5	ND	1	64	.2	2	2	93	.30	.030	3	43	.65	49	.15	2	1.49	.02	.05	2
CR-3-17	1	60	3	114	.4	21	15	398	5.92	9	5	ND	1	62	.2	2	2	125	.41	.090	3	92	.79	51	.13	4	1.99	.02	.05	4
CR-3-18	1	74	5	60	.3	17	11	633	3.47	3	5	ND	1	80	.3	2	2	77	.62	.036	4	56	.52	38	.09	2	1.33	.02	.04	1
CR-3-19	1	17	6	74	.4	20	9	279	3.45	4	5	ND	1	67	.5	2	2	85	.39	.078	2	96	.71	51	.15	2	1.37	.02	.06	2
CR-3-20	1	116	4	85	.3	38	24	453	4.36	9	5	ND	1	106	.4	2	2	87	.73	.051	3	100	.83	39	.13	2	2.07	.03	.07	2
CR-3-21	4	87	3	67	.3	24	10	344	3.35	6	5	ND	1	74	.3	2	2	74	.45	.071	4	58	.70	66	.12	2	2.19	.02	.05	4
CR-3-22	1	123	6	74	.3	47	20	763	4.25	5	5	ND	1	65	.2	2	2	81	.68	.041	4	120	1.10	45	.10	2	1.45	.02	.09	1
CR-3-23	1	42	5	55	.2	13	12	307	4.13	5	5	ND	2	80	.2	2	2	89	.53	.104	5	38	.39	62	.09	2	1.53	.02	.04	1
CR-3-24	1	41	4	48	.3	16	12	488	3.73	7	5	ND	1	91	.2	2	2	80	.90	.061	3	39	.55	44	.08	2	.97	.03	.06	1
CR-3-25	1	83	5	45	.1	16	12	387	3.80	7	5	ND	1	96	.2	4	2	85	.64	.095	5	40	.59	62	.11	3	1.34	.03	.06	2
CR-3-26	1	24	5	38	.2	10	6	202	2.79	5	7	ND	1	66	.2	2	2	84	.41	.015	3	37	.35	33	.13	2	1.12	.02	.05	1
STANDARD C	19	63	38	132	7.1	71	34	1073	3.96	39	16	6	39	53	18.8	15	21	58	.48	.091	40	59	.88	178	.09	36	1.95	.07	.15	12

APPENDIX B

DC 91-1-1
Hornblende (biotite) plagioclase amphibolite

General description
Foliated amphibolite. Composed of recrystallized lensoidal clusters of amphibole with intermixing of foliated clusters of biotite. In a finer grained groundmass of recrystallized plagioclase.

The biotite shows diffuse intergrowths with hornblende suggesting retrograde metamorphism (alteration) of hornblende. There are abundant, fairly uniformly distributed, altered remnants of coarse plagioclase showing sericitic and red brown clouding of alteration. These remnants probably represent incomplete metamorphism of coarse plagioclase grains.

Cut by veinlets of carbonate and microveinlets of unidentified low birefringent low relief material. {Not epoxy because it is anisotropic}

Microscopic description
Altered constituents

Plagioclase; 15%, anhedral, (0.2 to >1.0 mm). Diffuse outlines of strongly altered plagioclase remnants. Moderate felted microcrystalline sericite and brown dusted altered clouds of clay(?). Superimposed, disseminated, fine crystalline biotite of varied intensity. Some of these plagioclase remnants form diffuse cores of unaltered plagioclase. Fairly uniform distribution throughout. Incomplete metamorphism/recrystallization of the protolith?

K-feldspar; stained slab indicates diffuse weak K-feldspar stain. Not confirmed in thin section.

Unaltered constituents

Amphibole (hornblende); 30%, anhedral/subhedral (<.05 to 0.5 mm). Tends to occur in irregular lensoids of similar grain-size. Some intermixing with biotite.

Biotite; 15%, anhedral (0.01 to 0.5 mm). Clusters of foliated interlocking grains, intermixing with hornblende. Locally there are diffuse intergrowths suggesting retrograde alteration of hornblende to biotite.

Plagioclase; 30%, anhedral (<.05 to 0.2 mm). Irregular interlocking grains form the groundmass among amphibole-biotite and altered plagioclase remnants. Scattered conspicuous twinned grains; indicated composition in oligoclase range.

Shows gradational diffuse contacts with altered plagioclase remnants.

DC 91-1-1 Continued

Veinlets
Carbonate; very weak effervescence with cold HCl.

Secondary amphibole, very fine felted.

Undetermined; colourless, low refringence (<epoxy), very low birefringence (near isotropic) Biaxial (-)? 2 V about 60°. (Gypsum is biaxial +).

DC 91-1-3
Aletered porphyrytic andesite?

General description
The protolith is composed of altered plagioclase and mafic phenocrysts in a finer interlocking weakly altered plagioclase groundmass. Very minor accessory sphene, traces zircon, apatite.

Complex alteration and recrystallization patterns/fabrics are overprinted on the protolith.
(a) The plagioclase phenocrysts and groundmass are moderately to strongly altered by felted microcrystalline sericite and a red-brown alteration dusting.
(b) Biotite phenocrysts have ragged outlines and have weak to moderate, locally complete chlorite alteration.
(c) There are fracture controlled(?) diffuse networks of beaded diopside, and of relatively unaltered twinned plagioclase.

Veining/impregnation
The centre of the section and one end is traversed by a conspicuous vein(?) composed of
(a) K-feldspar (strong dark red brown alteration dusting)
(b) deep green amphibole, (c) plagioclase (d) carbonate (e) minor epidote and (f) green mica(?) showing colour zonation.

Opaques; magnetite

Microscopic description
Protolith
Phenocrysts

Plagioclase; <5%, subhedral/anhedral (0.1 to 0.5 mm) Outlines obscured by sericite and red-brown dusting alteration.

Biotite; 5%, subhedral/anhedral (0.1 to 1.0 mm) Generally irregular laths, clusters of laths. Ragged outline. Weak/moderate chlorite alteration. Some associated dark green amphibole.

Groundmass

Plagioclase; 30%, anhedral (<.05 to 0.1 mm) Interlocking irregular grains. Sericitic alteration, pervasive red-brown dusting.

Accessories
Sphene; <1%
Zircon; traces
Apatite; traces

Alteration

Sericite; alteration of plagioclase phenocrysts and groundmass.

DC 91-1-3 Continued

Red brown dusting; alteration of plagioclase phenocrysts and groundmass.

Chlorite; weak to locally strong alteration of biotite.

Overprints/diffuse networks

Diopside; 10%, anhedral (<.05 to 0.3 mm) Subrounded grains, beaded clusters forming diffuse discontinuous networks throughout groundmass. Locally forms diffuse clots associated with carbonate. Very pale green, angular extinction, 2nd order birefringence.

Plagioclase; 10%, anhedral (<.05 to 0.3 mm, generally <0.2 mm). diffuse broad networks/impregnations of relatively unaltered, twinned interlocking grains.

Amphibole; 2%, anhedral/subhedral (<.05 to 0.5 mm) Acicular/prismatic. Deep bright green/yellowish green pleochroism. High second order birefringence. Inclined extinction although a small angle. Very similar in optical properties to epidote, but deep green and angular extinction. Associated with biotite and diopside.

Carbonate; 3%, anhedral (<.05 to 0.2 mm). Clusters of grains associated with diopside.

Veins; Composite composed of intermixed:

K-feldspar; 10%, anhedral, (.05 to >1.0 mm) Interlocking grains, deep red brown alteration dusting.

Amphibole; 10%, anhedral/subhedral (<.05 to >1.0 mm) Acicular/prismatic. Deep bright green/yellowish green pleochroism. As described above. Felted to radiating structures. Similar habit to epidote. Weak alteration to secondary amphibole.

Plagioclase; 7%, anhedral (<.05 to >1.0 mm) Interlocking grains form interstitial twinned and untwinned masses. Twinned An 30. Biaxial (+)(-).

Carbonate; 3%, anhedral, (<.05 to >1.0 mm). Interstitial masses.

Green mica(?); <1%, anhedral (<.05 to 0.1 mm) Colour (pleochroism) zonation, [bright green-brownish cream].

Opaques; 5%
Magnetite; 5%, magnetic, disseminated throughout groundmass, associated with mafics of wall rock. late dusting-filled fractures in veins associated with amphibole.

DC 91-1-5
Altered coarse K-feldspar porphyritic syenite

General description
Coarse K-feldspar altered mafic (hornblende?) phenocrysts and finer altered plagioclase and lesser K-feldspar groundmass remnants. Phenocrysts partially replaced; groundmass largely replaced by fine recrystallized (virtually unaltered) plagioclase and coarse biotite books. Scattered accessories include sphene and apatite.
K-feldspar phenocrysts and groundmass remnants show moderate to strong red-brown alteration dusting. Plagioclase groundmass remnants are sericitic. Poikilitic, prismatic mafic remnants (amphibole) are altered to fine felted mica (biotite), now largely chloritic, with associated carbonate. Coarser books of biotite (to 0.5 cm) may have formed during recrystallization as they are associated with recrystallized plagioclase (only weakly chloritic) and many are associated with late K-feldspar veinlets. Minor carbonate in scattered clusters and in late fractures.

Late veinlets of unaltered, clear, K-feldspar pass through groundmass and in optical continuity through clouded K-feldspar phenocrysts.

Opaques; 7%, magnetite (strong magnetic)

Microscopic description
Phenocrysts;

K-feldspar; 20%, subhedral (0.5 mm to >8.0 mm) Mottled by strong red-brown alteration.

Altered mafic (hornblende) 10%, anhedral (<.05 to 5.0 mm). Ragged prismatic, poikilitic remnants, replaced by felted/foliated green brown biotite and chlorite.

Phenocrysts/groundmass remnants

Plagioclase; >20%, anhedral (<.05 to >1.0 mm). Felted sericitic alteration.

Accessories
Apatite; <<<1%, subhedral (to 1.0 mm)
Sphene; <<<1%, subhedral (to 1.0 mm)

Recrystallization

Plagioclase; 35%, anhedral (<.05 to 0.4 mm, most grains <0.3 mm). Irregular shaped interlocking grains form a near continuous groundmass. Virtually unaltered.

Biotite; 5%, subhedral/anhedral (to 0.5 cm). Generally irregular grains. Weak chloritic alteration.

DC 91-1-5 Continued

Alteration products
Red brown dusting, clay?

Biotite/chlorite; felted alteration of amphibole

Sericite; alteration of plagioclase remnants

Carbonate; very minor, associated with altered mafics. Scattered clots.

Veins
K-feldspar

Opaques; 7%, magnetite; anhedral (<.01 to >1.0 mm)

Other opaques?

DC 91-2-1
Lithic breccia, rebrecciated with skarn assemblage infilling.

General description
Lithic fragments polymictic, porphyritic/fragmental and nonporphyritic varieties represented. Lithic fragments grade downwards in size from several cm to crystal fragments a fraction of a mm. These comprise part of the breccia groundmass.

Phenocrysts/crystal fragments include: Plagioclase(?), felted sericite pseudomorphs after plagioclase. Pyroxene (diopsidic?); although it has optical properties of pyroxene, it is obscured by microgranular secondary amphibole alteration and is clouded by a diffuse dusting.

Breccia matrix infilling includes:
Garnet; pale/moderate pinkish brown
Pyroxene(diopside) microgranular aggregates of similar optical appearance to coarser fragments.

Alteration
Sericite; alteration of plagioclase
Secondary amphibole; very minor, alteration of diopsidic pyroxene.
Carbonate; very minor

Veinlets
Garnet
Muscovite and bright green mica/chlorite(?)
Epidote
Carbonate
Opaques

Microscopic description

Lithic fragments; 40%, irregular shapes, (<1.0 mm to several cm). Porphyritic/fragmental and nonporphyritic varieties represented. Grades downwards to crystal fragments in breccia groundmass.

Phenocrysts/crystal fragments;
Sericitic plagioclase
Pyroxene
Amphibole

Alteration
Sericite; anhedral (microcrystalline to .05 mm). Near complete alteration of plagioclase phenocrysts/fragments.

Semiopaque/opaque dusting; obscures matrix of lithic fragments

Breccia matrix; 60%, crystal fragments and minute lithic fragments

DC 91-2-1 Continued

Pyroxene; <20%, anhedral/subhedral (<.05 to >2.0 mm). As for lithic fragments. Partially obscured by semiopaque dusting. Biaxial (+) 2V about 50°.

Plagioclase; 10%, anhedral, (<.05 to 0.5 mm). Very irregular sericitic remnants. Largely replaced by garnet and diopside, below.

Networks/clusters

Garnet; 15%, anhedral, (<.05 to 0.5 mm). Forms irregular discontinuous network throughout breccia matrix. Pale reddish brown colour.

Diopside(?); 15%, anhedral, (microgranular). Diffuse clusters throughout breccia matrix. Obscured by semiopaque dusting.

Opaques; <2%, nonmagnetic.

DC 91-2-2
Breccia

General description
Similar to DC 91-2-1

Lithic fragments contain coarse pyroxene (augite?) phenocrysts and finer plagioclase in clusters in a microcrystalline/ fragmental, plagioclase-rich groundmass. Alteration of lithic fragments is generally weak, with a slight alteration dusting of plagioclase. Pyroxene phenocrysts have low birefringence as compared to similar crystals in DC 91-2-1; a result of partial alteration to secondary amphiboles??

Spotted by irregular grains, clots of garnet with associated minor chlorite, and carbonate.

Breccia matrix
Composed of smaller lithic fragments grading downwards in size to crystal fragment-size.

Fragments include:
Pyroxene; low birefringence because of alteration intensity?? Gives poor biaxial (+) interference figures, inclined extinction, therefore not a clinopyroxene.

Plagioclase crystal fragments, few recognizable, altered to mixtures of oligoclase(?), clinozoisite, lesser epidote.

Note: The etching pattern does not support the amount of oligoclase observed in section.

Groundmass

Garnet, clinozoisite, epidote, oligoclase(?) enstatite suspected but not confirmed.

Microscopic description

Lithic fragments
Phenocryst/fragments
Pyroxene (augite?); 15%, euhedral/subhedral (<.05 to 2.5 mm)
Characteristic augite outlines. Birefringence is low as compared to similar crystals in DC 91-2-1; result of partial alteration to secondary amphiboles? Relief moderate (+). Inclined extinction. Biaxial (+) with moderate 2V.

Plagioclase; 35%, subhedral, (0.2 to 1.0 mm, most grains about 0.5 mm). Conspicuous twinning. Weak sericitic alteration and dusting. Less intensely altered than fragments in breccia matrix. Indicated composition in oligoclase - low andesine range.

DC 91-2-2 Continued

Groundmass

Plagioclase; 40%, anhedral, (<.05 to 0.2 mm). Irregular granules/fragments grading downwards from coarse fraction. Obscured by microgranular dusting of epidote-diopside?

Groundmass "alteration" includes:
Garnet, 8%, anhedral, (<.05 to 0.3 mm). Irregular clusters of grains (to >1.0 mm)

Epidote/clinozoisite; <1%, anhedral (to 0.2 mm). Irregular grains in garnet.

Undetermined (epidote/diopside)?;<5%, anhedral, (microgranular), diffuse dusting. High relief and birefringence.

Carbonate; 1%, anhedral, (<.05 to 0.2 mm). As widely disseminated clusters of fine grains and as fracture/open space fillings in garnet, mafics etc.

Chlorite; <1%, anhedral (to 0.2 mm). Filling fractures and open spaces in garnet.

Undetermined "X"; <<1%, anhedral (to >1.0 mm). Anomalous yellow birefringence (not antigorite). Associated with carbonate and chlorite infillings in garnet.

Breccia matrix
Fragments

Augite; 15%, subhedral/anhedral (<.05 to >2.0 mm). Irregular prismatic and cross section grains. Birefringence lower than normal. Moderate(+) relief. Biaxial (+). Inclined extinction. Weak alteration to secondary amphibole, clinozoisite/epidote/oligoclase(?).

Plagioclase; 15%, subhedral/anhedral (<.05 to 5.0 mm). Some grains relatively unaltered, most strongly altered to clinozoisite and oligoclase(?), lesser small clusters of epidote. Crystal fragment outlines most clearly visible in plane light.

Alteration assemblage

Clinozoisite; 20%, anhedral (<.05 to 0.2 mm). Small bladed and irregular masses. Alteration of plagioclase. Relief moderate (+) < epidote garnet, mottled pale brownish colour??, low anomalous birefringence.

Epidote; <5%, anhedral (<.05 to 0.2 mm)

DC 91-2-2 Continued

Oligoclase; 25%, anhedral, (<.05 to >1.0 mm). Very irregular interstitial continuous masses. Alteration of plagioclase and permeating groundmass. Very irregular mottled mosaic in X-nicols. Low (+) relief, featureless, mottled extinction. Low birefringence (to 1st order yellow) Biaxial (+) with large 2V.

Note: The apparent high percentage of oligoclase(?) observed in thin section is not supported by etching of stained slab!!

Chlorite; <5%, anhedral, (to 0.1 mm). Fracture infilling of garnet.

Garnet; 15%, anhedral (<.05 to >0.5 mm). Clusters of grains forming a discontinuous network throughout breccia groundmass. Also as clusters in lithic fragments.

Secondary amphibole; <<1%, anhedral (<.05 to 0.1 mm). Clusters of fibres. Green pleochroism. Alteration of pyroxene.

Undetermined "X"; <<1%, breccia filling in garnet, with carbonate, similar in appearance to carbonate but has anomalous canary yellow birefringence (not antigorite). Fracture infilling of garnet.

APPENDIX C

D I A M O N D   D R I L L   L O G

GOLDEN RULE RESOURCES LTD.

HOLE NO. : DC-91-01	CORE SIZE : NQ	CONTRACTOR : Britton	PROJECT : BC-42
LATITUDE : 500 W	BEARING :	DATE STARTED : Oct.21/91	AREA : Discovery
DEPARTURE: 25 N	INCLINATION @ COLLAR -90 deg. INCLINATION @ 164.3m=-89 deg.	DATE COMPLETED: Oct.23/91	LOGGED BY: IRF
ELEVATION:	INCLINATION @	TOTAL LENGTH : 164.3 m	PAGE : Page 1 of 6

INTERVAL (m)	DESCRIPTION	FROM (m)	TO (m)	LENGTH (m)	SAMPLE NO.	ANALYSES Au PPB	Cu PPM	Zn PPM
0.00 to 3.70	OVERBURDEN	0	3.7	3.700				
	12' (3.7 m) of NW casing through overburden and	3.7	6	2.300	105311	2	69	9
	into bedrock.	6	7	1.000	105312	1	134	19
3.70 to 159.15	VOLCANIC	7	8	1.000	105313	4	108	25
	Fine to medium grain, locally clastic autoclastic)	8	9	1.000	105314	2	24	20
	green to dark green, very massive homogeneous	9	10	1.000	105315	1	10	15
	unit except for where locally auto brecciated,	10	11	1.000	105316	1	15	22
	groundmass appears equigranular to weakly	11	12	1.000	105317	1	158	24
	porphyritic, consists of plag 40-50%, <10%	12	13	1.000	105318	1	31	26
	quartz, pyroxene 30%, hornblende 10-15%, chlorite	13	14	1.000	105319	4	539	14
	10%, alteration not well developed, locally weak	14	15	1.000	105320	4	226	27
	k-spar staining <10%, minor epidotization <5%,	15	16	1.000	105321	1	35	26
	locally <2% hematite as blebs - oxidized pyrite?,	16	17	1.000	105322	1	4	25
	magnetite? foliation poorly developed, appears	17	18	1.000	105323	4	45	32
	flat ie. 10 deg. to 30 deg. TCA, fracturing weak	18	19	1.000	105324	1	37	30
	with dominantly carbonate 1-3%, and quartz 1-2%	19	20	1.000	105325	6	55	32
	infilling fractures, mineralization very weak, 1%	20	21	1.000	105326	4	11	20
	pyrite maximum disseminated and locally as veinlet	21	22	1.000	105327	11	30	29
	and stringers, unit non magnetic.	22	23	1.000	105328	2	33	44
6.0 to 6.50	VEIN-BRECCIA	23	24	1.000	105329	17	117	33
	Carbonate - quartz vein - veinlet breccia with 10%	24	25	1.000	105330	25	162	24
	associated epidote, 5-7% hematite and 3-5%	25	26	1.000	105331	6	23	23
	magnetite @ 10 deg. TCA.	26	27	1.000	105332	5	275	24
14.95 to 15.10	SYENITE DYKE	27	28	1.000	105333	9	104	31
	Fine grain, tan, extremely hard, homogeneous	28	29	1.000	105334	3	97	24
	feldspar >90%, < 10% chlorite, 1% pyrite, 1%	29	30	1.000	105335	3	50	17
	hematite disseminated throughout, upper	30	31	1.000	105336	20	241	17
	contact sharp @ 32 deg. TCA, lower lost in broken	31	32	1.000	105337	2	73	14
	core.	32	33	1.000	105338	4	66	25
	Note: 16.10 m, thin section sample TSDC-91-1.	33	34	1.000	105339	2	108	26

INTERVAL (m)	DESCRIPTION	FROM (m)	TO (m)	LENGTH (m)	SAMPLE NO.	ANALYSES Au PPB	Cu PPM	Zn PPM
16.90 to 17.0	SYENITE DYKE	34	35	1.000	105340	7	138	24
	As to interval 14.95 m, upper contact 45 deg. TCA,	35	36	1.000	105341	1	32	25
	lower lost.	36	37	1.000	105342	1	50	27
20.10 to 20.40	SYENITE DYKE	37	38	1.000	105343	4	106	31
	As to interval @ 14.95 m, hornblende blebs @ 5%	38	39	1.000	105344	2	72	30
	upper contact sharp @ 45 deg., lower lost in	39	40	1.000	105345	1	80	30
	broken core, k-spar alteration <3%.	40	41	1.000	105346	3	86	27
	Note: thin section sample TSDC-91-1-2, collected	41	42	1.000	105347	4	62	26
	@ 20.2 m.	42	43	1.000	105348	3	114	26
25.90 to 26.15	VOLCANIC	43	44	1.000	105349	4	98	28
	As to original entry @ 3.7 m, however bleached	44	45	1.000	105350	3	103	28
	pale green epidotized @ 10%, hematite 5-7%,	45	46	1.000	105351	7	138	29
	magnetite 5-7%, pyrite 3-5% as stringers, and	46	47	1.000	105352	1	120	22
	disseminated.	47	48	1.000	105353	1	146	26
27.73 to 28.10	VOLCANIC - gouge	48	49	1.000	105354	7	134	26
	As to entry @ 3.7 m, however gouged material	49	50	1.000	105355	5	73	23
	present brecciation @ 50 deg. TCA.	50	51	1.000	105356	1	109	26
34.0 to 38.0	VOLCANIC	51	52	1.000	105357	5	147	22
	As to original entry @ 3.7 m, however fracturing	52	53	1.000	105358	1	73	22
	more prominent, ie. carbonate fractures in all	53	54	1.000	105359	6	83	26
	orientations, locally k-spar staining associated	54	55	1.000	105360	11	143	25
	with fractures.	55	56	1.000	105361	14	98	26
51.50 to 52.10	VOLCANIC	56	57	1.000	105362	5	127	25
	As to entry @ 3.7 m, however a syenitic dyke	57	58	1.000	105363	3	111	31
	"fingers" with volcanic unit, 1% magnetite	58	59	1.000	105364	4	161	30
	associated with the syenite unit.	59	60	1.000	105365	6	131	25
52.35 to 52.70	QUARTZ VEIN	60	61	1.000	105366	2	106	26
	Grey-white, quartz - carbonate vein with	61	62	1.000	105367	5	138	47
	associated epidote and k-spar staining, no	62	63	1.000	105368	8	126	59
	apparent mineralization, upper and lower contacts	63	64	1.000	105369	4	28	27
	@ 45 deg. TCA.	64	65	1.000	105370	6	85	43
57.0 to 57.6	VOLCANIC	65	66	1.000	105371	1	69	56
	As to entry @ 3.7 m, quartz - carbonate stock	66	67	1.000	105372	2	54	101
	work throughout associated epidote 1-3%, 1% pyrite	67	68	1.000	105373	1	91	55
	marcasite?, <1% chalcopyrite.	68	69	1.000	105374	1	88	41

INTERVAL (m)	DESCRIPTION	FROM (m)	TO (m)	LENGTH (m)	SAMPLE NO.	ANALYSES Au PPB	Cu PPM	Zn PPM
61.0 to 61.20	BRECCIATED - VOLCANIC	69	70	1.000	105375	1	64	45
	As to entry @ 3.7 m, however brecciated - "auto?"	70	71	1.000	105376	1	191	45
	k-spar alteration 5-7% as veinlets locally blebs,	71	72	1.000	105377	1	23	41
	epidote - epidotization 3% carbonate veinlets x-	72	73	1.000	105378	7	115	29
	cut fabric, 3-5%, <1% associated disseminated	73	74	1.000	105379	3	65	33
	pyrite.	74	75	1.000	105380	1	8	17
63.10 to 65.85	SYENITE DYKE	75	76	1.000	105381	1	17	21
	As to interval @ 14.95 m, entry has a crackled	76	77	1.000	105382	3	21	21
	texture, locally pervasive epidote 5-7%, in	77	78	1.000	105383	7	72	39
	fractures also, crackled texture the result of	78	79	1.000	105384	4	25	61
	intense fracturing - hairline and dominantly,	79	80	1.000	105385	4	68	53
	infilled with carbonate, hematite 1-2%,	80	81	1.000	105386	5	102	50
	disseminated magnetite, 1% pyrite, <1% locally	81	82	1.000	105387	9	80	56
	chalcopyrite, <1%, upper contact sharp @ 80 deg.	82	83	1.000	105388	2	64	57
	TCA, lower irregular - possibly brecciated as	83	84	1.000	105389	3	22	34
	syenite fragments present in core from 65.85 m to	84	85	1.000	105390	4	74	42
	71.0 m, hematite more prominent in breccia @ 3-5%.	85	86	1.000	105391	3	110	47
	68.05 to 68.07 Syenite dykelet @ 80 deg.	86	87	1.000	105392	4	86	43
	68.15 to 68.17 Syenite dykelet @ 75 deg.	87	88	1.000	105393	5	159	40
70.80 to 77.58	SYENITE DYKE	88	89	1.000	105394	3	141	38
	As to interval @ 14.95 m, however from 70.80 m	89	90	1.000	105395	2	71	32
	to 71.20 m, contact very irregular - brecciated?	90	91	1.000	105396	4	111	47
	very chloritic and hematite prominent, from 71.20	91	92	1.000	105397	1	87	42
	m to 77.58 m, dyke is homogeneous and as to entry	92	93	1.000	105398	1	134	48
	@ 63.10 m, plagioclase porphyroblasts locally	93	94	1.000	105399	2	69	56
	mineralized, ie. pale green @ 5-7%, upper contact	94	95	1.000	105400	2	67	47
	very irregular, lower sharp @ 40 deg. TCA, within	95	96	1.000	105401	13	157	38
	dyke volcanic xenolith @ 71.62 m to 71.86 m and	96	97	1.000	105402	5	57	30
	from 72.05 to 72.18 m, and from 72.8 m to 73.7 m.	97	98	1.000	105403	6	59	36
	Note: 71.10 m thin section sample TSDC-91-1-3	98	99	1.000	105404	3	49	40
	collected.	99	100	1.000	105405	3	72	40
	82.74 to 82.85 Syenite dykelet @ 80 deg. TCA.	100	101	1.000	105406	8	102	16
83.07 to 83.60	SYENITE DYKE	101	102	1.000	105407	8	96	24
	As to entry @ 14.95 m, upper contact sharp @ 40	102	103	1.000	105408	5	93	54
	deg. TCA, lower irregular, minor angular xenolith	103	104	1.000	105409	5	117	25
	present.	104	105	1.000	105410	6	117	25

INTERVAL (m)	DESCRIPTION	FROM (m)	TO (m)	LENGTH (m)	SAMPLE NO.	ANALYSES Au PPB	Cu PPM	Zn PPM
83.60 to 88.50	VOLCANIC	105	106	1.000	105411	2	59	26
	Interval consists of badly broken core, core	106	107	1.000	105412	3	60	22
	consists of >90% volcanic unit with approximately	107	108	1.000	105413	3	45	26
	10% syenite dykelets of irregular widths and	108	109	1.000	105414	1	38	32
	orientations.	109	110	1.000	105415	4	57	47
	88.58 to 88.63 Syenite dykelet @ 68 deg. TCA.	110	111	1.000	105416	2	48	47
	88.94 to 89.0 Syenite dykelet @ 59 deg. TCA.	111	112	1.000	105417	3	51	31
	89.12 to 89.19 Syenite dykelet @ 35 deg. TCA.	112	113	1.000	105418	5	88	32
89.50 to 89.80	SYENITE DYKE	113	114	1.000	105419	4	14	64
	As to entry @ 14.95 m, upper and lower contacts	114	115	1.000	105420	4	50	99
	sharp @ 70 deg. TCA.	115	116	1.000	105421	5	15	38
91.0 to 91.85	VOLCANIC	116	117	1.000	105422	5	51	40
	Interval is "stock worked", with syenite dykelets	117	118	1.000	105423	8	71	28
	hornblende prominent, and host volcanic slightly	118	119	1.000	105424	1	33	34
	bleached.	119	120	1.000	105425	2	32	25
96.20 to 96.47	SYENITE DYKE	120	121	1.000	105426	4	161	18
	As to interval @ 14.95 m, upper and lower contacts	121	122	1.000	105427	2	49	19
	irregular.	122	123	1.000	105428	5	28	34
96.47 to 98.0	VOLCANIC	123	124	1.000	105429	4	13	36
	As to original entry @ 3.7 m, however, quartz -	124	125	1.000	105430	2	77	28
	carbonate vein - stock work parallel to core axis,	125	126	1.000	105431	3	50	26
	within interval associated with veinlet, epidote,	126	127	1.000	105432	8	56	34
	k-spar staining <10% each 3-5% magnetite, 1%	127	128	1.000	105433	4	121	26
	disseminated pyrite.	128	129	1.000	105434	4	186	19
	102.20 to 102.35 Syenite dyke @ 30 deg. TCA.	129	130	1.000	105435	6	115	23
108.30 to 108.75	VOLCANIC	130	131	1.000	105436	3	122	18
	As to original entry @ 3.7 m, however interval	131	132	1.000	105437	5	85	30
	pervasively altered, epidote 10%, k-spar as	132	133	1.000	105438	1	129	25
	veinlets 5-7%, alteration parallel runs parallel	133	134	1.000	105439	4	131	32
	to core axis.	134	135	1.000	105440	2	111	29
	109.9 to 110.0 Syenite dyke @ 30 deg. TCA.	135	136	1.000	105441	9	108	28
112.90 to 116.18	SYENITE DYKE	136	137	1.000	105442	2	84	30
	Fine to medium grain, white to tan color,	137	138	1.000	105443	4	81	36
	porphyritic fairly massive - homogeneous, weakly	138	139	1.000	105444	12	129	21
	"crackled", groundmass >80% feldspar, with up to	139	140	1.000	105445	7	111	22
	10% black hornblende, dyke is magnetic 1-2%	140	141	1.000	105446	2	112	23

INTERVAL (m)	DESCRIPTION	FROM (m)	TO (m)	LENGTH (m)	SAMPLE NO.	ANALYSES Au PPB	Cu PPM	Zn PPM
	magnetite and 1% disseminated pyrite, dyke	141	142	1.000	105447	6	142	20
	different than dyke @ 14.95 m in color,	142	143	1.000	105448	10	94	19
	composition more syenite?, strongly chloritized	143	144	1.000	105449	5	62	25
	xenoliths within dyke, upper and lower contacts	144	145	1.000	105450	5	82	32
	@ 60 deg. TCA.	145	146	1.000	105451	7	119	33
	Note: thin sections sample TSDC-91-1-4, collected	146	147	1.000	105452	12	129	27
	@ 114.20 m.	147	148	1.000	105453	3	74	22
	117.80 to 118.20 Syenite @ approximately 80 deg.	148	149	1.000	105454	2	116	23
	TCA.	149	150	1.000	105455	2	90	29
122.65 to 123.30	SYENITE DYKE	150	151	1.000	105456	11	57	27
	As to entry @ 112.90 m, however groundmass more	151	152	1.000	105457	13	68	23
	grey in color, chlorite present @ 10%, hornblende	152	153	1.000	105458	19	71	29
	@ 10%, upper contact @ 40 deg. TCA, lower not	153	154	1.000	105459	2	42	40
	recovered.	154	155	1.000	105460	4	192	38
124.57 to 125.0	SYENITE DYKE	155	156	1.000	105461	1	56	51
	As to entry @ 14.95 m, upper and lower contacts @	156	157	1.000	105462	2	108	49
	65 deg. TCA.	157	158	1.000	105463	2	11	23
127.70 to 139.80	VOLANIC	158	159	1.000	105464	10	89	46
	As to original entry @ 3.7 m, however slightly	159	160	1.000	105465	5	90	50
	porphyritic, plag phenocrysts weakly developed,	160	161	1.000	105466	3	8	45
	epidote more prominent 3%, pyrite locally	161	162	1.000	105467	4	5	19
	disseminated @ 1-2%.	162	163	1.000	105468	1	7	20
	133.46 to 133.49 Syenite dyke @ 34 deg. TCA.	163	164	1.000	105469	1	2	37
	142.45 to 142.52 Syenite dyke @ 41 deg. TCA.	164	164.3	0.030	105470	4	105	61
143.0 to 143.55	SYENITE DYKE							
	As to interval @ 14.95 m, upper and lower contacts							
	sharp @ 48 deg. TCA.							
149.50 to 159.15	VOLCANIC - Tuff - Lapilli Tuff							
	As to original entry @ 3.7 m compositionally,							
	however entry becomes more clastic in appearance							
	ie. pyroclastic, and is locally very fine grained							
	- ash tuff? alteration - mineralization as to							
	original entry @ 3.7 m, foliation where developed							
	is @ 40 deg. TCA.							
	153.10 to 153.18 Syenite dyke @ 50 deg. TCA.							
	154.69 to 154.80 Syenite dyke @ 58 deg. TCA.							

INTERVAL (m)	DESCRIPTION	FROM (m)	TO (m)	LENGTH (m)	SAMPLE NO.	ANALYSES Au PPB	Cu PPM	Zn PPM
157.0 to 158.30	SYENITE DYKE As to interval @ 14.95 m, upper contact sharp @ 70 deg. TCA, lower sharp @ 30 deg. TCA.							
159.15 to 164.30	SYENITE DYKE As to entry @ 14.95 m, upper contact irregular, marked by quartz - carbonate veinlet @ 80 deg. TCA entry more pervasively altered, plagioclase altered to sericite - sausserite (pale green-greasy), 20% pervasive chlorite 10%, within dyke zones of brecciation with green groundmass altered volcanic or altered dyke (intrusive, syenite plug) zones of brecciation from: 160.15 m to 161.3 m, 163.40 m to 164.30 m, associated disseminated pyrite in breccia zones <1%, chalcopyrite, <1% magnetite 1-3%, hematite 1-2%, lower contact not recovered.							
164.30 to 164.30	End of Hole. Note: thin section sample TSDC-91-1-5, collected @ 163.50 m. Core recovery 100%. Casing left in the hole. Hole collared @ L5+00W-0+25N.							

D I A M O N D   D R I L L   L O G

GOLDEN RULE RESOURCES LTD.

HOLE NO. : DC-91-02 | CORE SIZE : NQ | CONTRACTOR : Britton | PROJECT : BC-42

LATITUDE : 500 W | BEARING : | DATE STARTED : Oct.23/91 | AREA : Discovery

DEPARTURE: 425 N | INCLINATION @ COLLAR -90 deg. | DATE COMPLETED: Oct.25/91 | LOGGED BY: IRF

INCLINATION @ 151.5m=-90 deg.

ELEVATION: | INCLINATION @ | TOTAL LENGTH : 151.5 m | PAGE :

INTERVAL (m)	DESCRIPTION	FROM (m)	TO (m)	LENGTH (m)	SAMPLE NO.	ANALYSES Au PPB	Cu PPM	Zn PPM
0.00 to 3.10	OVERBURDEN	0	3.1	3.100				
	10' of NW casing into bedrock	3.1	5	1.900	199001	7	89	31
3.10 to 151.50	VOLCANIC (ANDESITE)	5	6	1.000	199002	7	99	26
	Fine grain, green massive-homogeneous, composition	6	7	1.000	199003	1	102	24
	consists of equigranular plagioclase 40-50%,	7	8	1.000	199004	5	103	23
	pyroxene 20-30%, chlorite 10%, alteration <5%,	8	9	1.000	199005	22	125	19
	epidote as hairline veinlets <3% overall,	9	10	1.000	199006	2	96	28
	fracturing very weakly developed, dominantly	10	11	1.000	199007	3	74	37
	carbonate infilled <3%, occassionally k-spar lines	11	12	1.000	199008	1	108	28
	carbonate and quartz veinlets, <1% disseminated	12	13	1.000	199009	2	117	28
	pyrite, and <1% magnetite.	13	14	1.000	199010	19	95	17
14.0 to 16.50	VOLCANIC	14	15	1.000	199011	11	65	31
	As to entry @ 3.1 m, however slightly bleached,	15	16	1.000	199012	1	43	29
	pale green, more porphyritic, and weakly	16	17	1.000	199013	6	84	32
	brecciated - auto brecciated, pervasive k-spar	17	18	1.000	199014	1	71	22
	alteration 5-7%, epidote 3%, no apparent	18	19	1.000	199015	2	86	24
	associated mineralization.	19	20	1.000	199016	3	83	26
		20	21	1.000	199017	1	88	25
22.0 to 23.20	VOLCANIC	21	22	1.000	199018	5	70	38
	As to entry @ 3.1 m, however weak quartz -	22	23	1.000	199019	7	82	35
	carbonate stock work developed throughout, no	23	24	1.000	199020	10	128	26
	apparent associated mineralization, weak	24	25	1.000	199021	9	62	30
	associated epidote, and k-spar <5% each.	25	26	1.000	199022	3	66	50
25.40 to 26.0	VOLCANIC	26	27	1.000	199023	12	93	25
	As to entry @ 3.1 m, however bleached, pervasively	27	28	1.000	199024	22	98	22
	epidotized 10% with 5-7% associated k-spar	28	29	1.000	199025	8	51	42
	alteration, <3% hematite, core badly broken - no	29	30	1.000	199026	3	45	25
	apparent structure.	30	31	1.000	199027	18	84	25
	28.70 to 28.72 Carbonate veinlet @ 10 deg. TCA	31	32	1.000	199028	7	58	28
	k-spar alteration flanks veinlet.	32	33	1.000	199029	15	118	38
	32.40 to 32.60 Carbonate infilled fracture -	33	34	1.000	199030	32	230	49
	parallel set @ 60 deg. TCA.	34	35	1.000	199031	12	100	59

INTERVAL (m)	DESCRIPTION	FROM (m)	TO (m)	LENGTH (m)	SAMPLE NO.	ANALYSES Au PPB	Cu PPM	Zn PPM
33.0 to 40.0	VOLCANIC	35	36	1.000	199032	21	143	52
	As to entry @ 3.1 m, however interval auto	36	37	1.000	199033	6	686	32
	brecciated - flow top breccia?, darker more mafic	37	38	1.000	199034	66	720	37
	fragments - "chunks", hosted in a paler green	38	39	1.000	199035	65	864	47
	groundmass, locally k-spar fractures with pyrite	39	40	1.000	199036	15	153	30
	stringers pyrite 1% overall.	40	41	1.000	199037	10	71	26
		41	42	1.000	199038	12	86	32
		42	43	1.000	199039	11	61	32
		43	44	1.000	199040	9	134	30
		44	45	1.000	199041	7	138	23
		45	46	1.000	199042	4	81	28
		46	47	1.000	199043	3	67	25
		47	48	1.000	199044	8	110	21
		48	49	1.000	199045	7	93	27
		49	50	1.000	199046	5	83	30
51.63 to 54.0	VOLCANIC	50	51	1.000	199047	9	93	21
	As to entry @ 3.1 m, interval bleached appears	51	52	1.000	199048	8	94	36
	weakly brecciated (in-situ) pale green pervasive	52	53	1.000	199049	17	139	48
	epidotization @ 10%, pervasive k-spar alteration	53	54	1.000	199050	85	1373	52
	@ 5-7%, weakly fractured with 1-3% carbonate as	54	55	1.000	199051	10	114	38
	veinlets - stock work in filling fractures,	55	56	1.000	199052	38	1098	69
	mineralization more apparent overall 1-2% pyrite	56	57	1.000	199053	32	478	81
	(possibly marcasite) dominantly as stringers and	57	58	1.000	199054	11	110	62
	1-2% hematite, disseminated and as stringers after	58	59	1.000	199055	18	202	66
	magnetite, chalco pyrite observed but overalll <1%	59	60	1.000	199056	8	173	62
	Note: texture of volcanic slightly more	60	61	1.000	199057	3	111	64
	porphyritic thin section sample: TSDC-91-2-1	61	62	1.000	199058	14	131	56
	collected @ 51.8 m.	62	63	1.000	199059	6	85	44
	52.33 to 52.34 Pyrite veinlet @ 35 deg. TCA.	63	64	1.000	199060	17	127	64
54.0 to 79.80	VOLCANIC	64	65	1.000	199061	13	203	62
	As to entry @ 3.1 m, interval medium to dark green	65	66	1.000	199062	10	175	51
	porphyritic, and appears brecciated, local	66	67	1.000	199063	7	162	48
	pervasive epidote alteration overall <3% epidote	67	68	1.000	199064	9	133	75
	closely associated with fracture as is hematite,	68	69	1.000	199065	15	136	90
	fracturing weak, and infilled with 1-2% carbonate,	69	70	1.000	199066	3	152	84
	pyrite locally @ 1-2%, overall <1%. Disseminated	70	71	1.000	199067	7	123	73
	chalco observed @ 55.0 to 56.0 m. Chalcopyrite	71	72	1.000	199068	1	118	54

INTERVAL (m)	DESCRIPTION	FROM (m)	TO (m)	LENGTH (m)	SAMPLE NO.	ANALYSES Au PPB	Cu PPM	Zn PPM
	stringers in fracture lined by k-spar?, @56.50	72	73	1.000	199069	3	85	43
	Note: thin section sample collected @ 55.5 m	73	74	1.000	199070	51	1616	81
	TSDC-91-2-2	74	75	1.000	199071	21	265	68
73.0 to 75.80	VOLCANIC	75	76	1.000	199072	6	57	56
	As to entry @ 54.0 m, however fracturing more	76	77	1.000	199073	5	83	54
	prominent carbonate 3-5%, epidote more prominent,	77	78	1.000	199074	6	118	70
	pervasive @ 5-7%, pervasive chlorite 10%, pyrite	78	79	1.000	199075	3	120	46
	as disseminated blebs and stringers in fractures	79	80	1.000	199076	10	229	67
	@ 1-3%, chalcopyrite disseminated @ 1%, chalco	80	81	1.000	199077	11	161	66
	present @ 3% associated with irregular carbonate	81	82	1.000	199078	6	125	50
	veinlet @ 74.0 m, massive pyrite - "blebby" 7-10%	82	83	1.000	199079	4	103	34
	@ 74.65 to 74.80 m.	83	84	1.000	199080	8	101	37
75.30 to 79.80	VOLCANIC	84	85	1.000	199081	5	109	61
	As to entry @ 54.0 m, ie. interval porphyritic,	85	86	1.000	199082	5	346	59
	locally very well developed and locally brecciated	86	87	1.000	199083	5	52	43
	throughout interval core broken and broken pieces	87	88	1.000	199084	8	59	41
	show "slick & slide" fractures infilled with	88	89	1.000	199085	5	152	37
	hematite, hematite overall 1-3%, <1% pyrite	89	90	1.000	199086	7	123	45
	overall, carbonate fractures in all orientations,	90	91	1.000	199087	5	117	35
	carbonate 3-5%.	91	92	1.000	199088	5	92	46
79.80 to 117.0	VOLCANIC	92	93	1.000	199089	8	83	88
	Fine to medium grain, very massive - homogeneous	93	94	1.000	199090	9	154	53
	as per entry @ 3.1 m, entry weakly porphryitic,	94	95	1.000	199091	8	94	36
	porphyritic texture not well developed,	95	96	1.000	199092	7	96	26
	mineralized confined to pyrite in fractures, minor	96	97	1.000	199093	3	68	50
	disseminated <1% overall.	97	98	1.000	199094	10	83	51
84.0 to 88.0	VOLCANIC	98	99	1.000	199095	8	95	35
	As above entry @ 79.80 m, however bleached pale	99	100	1.000	199096	1	149	26
	green - epidotization 3%, fracturing better	100	101	1.000	199097	2	140	26
	developed through interval, carbonate 3-5%	101	102	1.000	199098	2	132	24
	infilling fracture associated with carbonate 1-3%	102	103	1.000	199099	5	144	27
	hematite overall interval appears oxidized, pyrite	103	104	1.000	199100	6	112	29
	through zone 1-2% disseminated and as stringers.	104	105	1.000	199101	3	86	32
	95.0 to 95.2 Carbonate - quartz stock work.	105	106	1.000	199102	3	119	22
	112.14 to 112.18 Carboante - quartz vein - stock	106	107	1.000	199103	10	178	31
	work is associated epidote alteration.	107	108	1.000	199104	6	173	31
		108	109	1.000	199105	4	149	22
		109	110	1.000	199106	9	111	21

INTERVAL (m)	DESCRIPTION	FROM (m)	TO (m)	LENGTH (m)	SAMPLE NO.	Au PPB	Cu PPM	Zn PPM
						ANALYSES		
		110	111	1.000	199107	1	63	31
		111	112	1.000	199108	14	102	28
		112	113	1.000	199109	5	132	46
		113	114	1.000	199110	1	82	39
		114	115	1.000	199111	1	97	40
		115	116	1.000	199112	1	128	39
117.0 to 121.0	VOLCANIC	116	117	1.000	199113	2	129	39
	As to entry @ 79.80 m, however core badly broken,	117	118	1.000	199114	4	112	36
	poor recovery 50%, possible fault @ 120.0 m to	118	119	1.000				
	121.0 m, associated hematite in interval 3%,	119	120	1.000				
	pyrite disseminated throughout <1%.	120	121	1.000	199115	1	151	42
121.0 to 147.0	VOLCANIC	121	122	1.000	199116	3	209	64
	As to original entry @ 3.1 m, unit massive weakly	122	123	1.000	199117	3	106	49
	porphyritic, light green to dark green, alteration	123	124	1.000	199118	1	221	57
	patchy, ie. locally entry is weakly epidotized	124	125	1.000	199119	3	331	59
	with minor k-spar alteration - prophylitic	125	126	1.000	199120	2	220	74
	associated with alteration zones weak mineraliza-	126	127	1.000	199121	2	152	66
	tion, ie. 1-2% disseminated pyrite, and often	127	128	1.000	199122	10	271	68
	pyrite as stringers, hematite fairly pervasive	128	129	1.000	199123	15	287	85
	throughout, however as fractures .	129	130	1.000	199124	3	78	74
	125.60 to 125.61 Pyrite veinlet @ 35 deg. TCA.	130	131	1.000	199125	6	80	46
		131	132	1.000	199126	2	62	82
		132	133	1.000	199127	5	94	70
		133	134	1.000	199128	5	127	56
		134	135	1.000	199129	6	74	42
		135	136	1.000	199130	1	80	40
	137.93 to 137.94 Carbonate veilet 10% TCA,	136	137	1.000	199131	12	89	41
	associated with veinlet 3-5% hematite and 1-3%	137	138	1.000	199132	2	177	54
	pyrite.	138	139	1.000	199133	4	82	61
		139	140	1.000	199134	1	177	70
		140	141	1.000	199135	7	87	53
		141	142	1.000	199136	6	103	33
		142	143	1.000	199137	1	76	26
		143	144	1.000	199138	9	164	35
		144	145	1.000	199139	6	94	35
		145	146	1.000	199140	6	133	37

INTERVAL (m)	DESCRIPTION	FROM (m)	TO (m)	LENGTH (m)	SAMPLE NO.	ANALYSES Au PPB	Cu PPM	Zn PPM
147.0 to 151.50	VOLCANIC	146	147	1.000	199141	4	110	31
	As to entry @ 3.1 m, core badly broken -	147	148	1.000	199142	3	116	36
	fractured hematite and carbonate in fractures,	148	149	1.000	199143	1	193	56
	3% respectively, entry weakly porphyritic,	149	150	1.000	199144	5	47	57
	pervasively chloritic @ 10%, disseminated pyrite	150	151	1.000	199145	5	71	46
	<1% overall. Prominent fracture set through	151	151.5	0.500	199146	2	82	45
	interval @ 55 deg. TCA.							
151.50 to 151.50	End of Hole							
	Core recovery 100% except @ 118-121 50%. Casing							
	left in hole. Hole collared at L5+00W-4+25N.							

D I A M O N D   D R I L L   L O G

GOLDEN RULE RESOURCES LTD.

HOLE NO. : DC-91-3	CORE SIZE : NQ	CONTRACTOR : Britton	PROJECT : BC-42
LATITUDE : 500 W	BEARING :	DATE STARTED : Oct.25/91	AREA : Discovery
DEPARTURE: 825 N	INCLINATION @ COLLAR -90 deg. INCLINATION @ 108.7m=-90 deg.	DATE COMPLETED: Oct.27/91	LOGGED BY: IRF
ELEVATION:	INCLINATION @	TOTAL LENGTH : 108.7 m	PAGE : Page 1 of 4

INTERVAL (m)	DESCRIPTION	FROM (m)	TO (m)	LENGTH (m)	SAMPLE NO.	ANALYSES Au PPB	Cu PPM	Zn PPM
0.00 to 3.10	OVERBURDEN	0	3.1	3.100				
	3.10 (10') of NW casing through overburden into	3.1	4	0.900	199147	2	104	19
	bedrock	4	5	1.000	199148	1	43	7
3.10 to 35.0	VOLCANIC (ANDESITE)	5	6	1.000	199149	16	300	11
	Fine to medium grain, green-dark green porphyritic	6	7	1.000	199150	1	61	12
	groundmass equigranular plagioclase 40-50%, 30%	7	8	1.000	199151	4	77	13
	pyroxene phenocrysts - porphyroblasts amphiboles	8	9	1.000	199152	1	89	13
	10%, minor plag 10% <5% quartz, texture very	9	10	1.000	199153	1	77	11
	massive homogeneous, core very hard and competent	10	11	1.000	199154	2	126	9
	fracturing very minor 1-2% carbonate overall	11	12	1.000	199155	5	172	9
	infilling fractures, 1% epidote overall alteration	12	13	1.000	199156	1	106	11
	very weak-pervasive chlorite 10%, locally patchy	13	14	1.000	199157	4	103	12
	ie. bleached sections where entry is epidotized,	14	15	1.000	199158	1	108	14
	and slightly k-spar stained, mineralization very	15	16	1.000	199159	8	122	12
	weak <1% disseminated pyrite throughout and	16	17	1.000	199160	2	161	14
	locally as stringers disseminated magnetite 1%	17	18	1.000	199161	3	218	10
	overall, pyrrhotite <1% disseminated throughout,	18	19	1.000	199162	4	79	20
	trace chalcopyrite, dominantly associated with	19	20	1.000	199163	4	121	22
	patchy alteration.	20	21	1.000	199164	4	97	28
	5.30 to 5.34 sulphide veinlet @ 43 deg. TCA;	21	22	1.000	199165	2	67	25
	pyrite - possibly marcasite, with associated	22	23	1.000	199166	2	48	30
	epidote.	23	24	1.000	199167	1	114	30
	8.70 to 8.71 k-spar veinlet.	24	25	1.000	199168	2	122	21
	14.60 to 14.61 epidote veinlet.	25	26	1.000	199169	87	884	22
16.0 to 16.50	VOLCANIC	26	27	1.000	199170	35	291	28
	Zone weakly bleached - pale green, epidote and	27	28	1.000	199171	20	175	31
	k-spar stringers throughout, with associated	28	29	1.000	199172	5	180	26
	hematite 3%, pyrite <1%.	29	30	1.000	199173	3	43	24
	20.08 to 20.09 carbonate veinlet.	30	31	1.000	199174	2	50	22

INTERVAL (m)	DESCRIPTION	FROM (m)	TO (m)	LENGTH (m)	SAMPLE NO.	ANALYSES Au PPB	Cu PPM	Zn PPM
24.0 to 26.0	VOLCANIC	31	32	1.000	199175	13	199	23
	As to entry @ 3.10 m; however, disseminated pyrite	32	33	1.000	199176	2	46	39
	1%, dissemianted pyrrhotite 1%.	33	34	1.000	199177	2	88	34
	28.10 to 28.11 epidote veinlet with associated	34	35	1.000	199178	28	620	29
	pyrite.	35	36	1.000	199179	72	1050	48
	31.90 to 32.20 several carbonate veinlets @ 55 TCA	36	37	1.000	199180	7	354	50
34.0 to 35.0	VOLCANIC	37	38	1.000	199181	3	90	41
	As to entry @ 3.1 m; however bleached pale green -	38	39	1.000	199182	2	116	49
	pervasive epidote 10%, hematite blebs and	39	40	1.000	199183	6	120	41
	fractures 5%, carbonate in fractures 1-3% of entry	40	41	1.000	199184	3	170	61
	associated pyrite - blebby and in stringers 1-3%.	41	42	1.000	199185	3	214	54
35.0 to 108.7	VOLCANIC	42	43	1.000	199186	1	57	66
	As to entry @ 3.1 m, porphyritic texture better	43	44	1.000	199187	4	123	53
	developed, pyrite stringers, more prominent, 1%,	44	45	1.000	199188	6	125	56
	and hematite fractures, more prominent 1-2%	45	46	1.000	199189	4	74	46
	epidote more prominent, pervasive and as	46	47	1.000	199190	21	308	48
	porphyroblasts 1-3%.	47	48	1.000	199191	4	96	40
40.0 to 42.0	VOLCANIC	48	49	1.000	199192	19	199	70
	As to entry @ 35.0 m, however, bleached pale green	49	50	1.000	199193	4	118	112
	pervasive epidote 10%, hematite fracture 3-5% and	50	51	1.000	199194	1	93	60
	disseminated pyrite up to 2%, ie. 1-2% overall.	51	52	1.000	199195	12	130	55
	Note: Sample TSDC-91-3-1 collected @ 41.5 m.	52	53	1.000	199196	3	52	39
	48.35 to 48.36 sulphide veinlet pyrite minors	53	54	1.000	199197	1	65	44
	chalcopyrite @ 35 deg. TCA.	54	55	1.000	199198	2	134	67
49.0 to 51.0	VOLCANIC	55	56	1.000	199199	1	72	33
	As to entry @ 35.0 m, weakly bleached - epidotized	56	57	1.000	199200	4	32	39
	10-15%, 1-2% associated disseminated pyrite, and	57	58	1.000	199201	19	212	66
	associated pyrite stringers, 1-2% hematite in	58	59	1.000	199202	8	48	51
	fractures.	59	60	1.000	199203	6	52	49
	56.85 to 56.9 carbonate stock work @ 50 deg. TCA,	60	61	1.000	199204	3	102	69
	with associated hematite.	61	62	1.000	199205	7	46	74
	57.0 to 57.14 carbonate stock work @ 60 deg. TCA,	62	63	1.000	199206	5	101	86
	zone intensely bleach - epidotized with 3-5%	63	64	1.000	199207	5	142	51
	associated pyrite stringers - veinlets.	64	65	1.000	199208	4	42	52
60.0 to 63.4	VOLCANIC	65	66	1.000	199209	13	232	51
	As to entry @ 35.0 m, completely bleached -	66	67	1.000	199210	1	179	50
	pervasive epidote 20-25%, porphyritic texture	67	68	1.000	199211	3	1137	51
	well-developed, disseminated pyrite 1% overall,	68	69	1.000	199212	2	203	76
	blebby @ 1-3% @ 61.0 to 61.30 m.	69	70	1.000	199213	1	71	71

INTERVAL (m)	DESCRIPTION	FROM (m)	TO (m)	LENGTH (m)	SAMPLE NO.	ANALYSES Au PPB	Cu PPM	Zn PPM
64.20 to 69.90	VOLCANIC	70	71	1.000	199214	1	52	63
	Interval - dropped box of core, from 67.0 to 68.0m	71	72	1.000	199215	3	42	59
	zone mineralized, bleached pyrite 5-7% as	72	73	1.000	199216	2	53	52
	disseminated blebs - stringers 1-2% associated	73	74	1.000	199217	4	83	55
	chalcopyrite locally malachite?, and 3-5% hematite	74	75	1.000	199218	3	67	36
	in fractures associated with carbonate.	75	76	1.000	199219	9	67	35
	69.90 to 70.0 carbonate infilled fracutres @ 55	76	77	1.000	199220	2	155	45
	deg. TCA.	77	78	1.000	199221	8	100	51
	80.30 to 82.30 sulphide veinlet (pyrite) @ 25 deg.	78	79	1.000	199222	4	101	92
	TCA.	79	80	1.000	199223	1	36	53
81.30 to 82.30	VOLCANIC	80	81	1.000	199224	4	90	55
	As to entry @ 35.0 m, however, bleached pale green	81	82	1.000	199225	1	130	62
	pervasive epidote 20-25%, 5% associated k-spar,	82	83	1.000	199226	1	112	76
	1-2% associated pyrite.	83	84	1.000	199227	3	46	55
	84.54 to 84.56 alunite? veinlet @ 65 deg. TCA,	84	85	1.000	199228	1	46	51
	with associated malachite?	85	86	1.000	199229	1	67	49
	90.27 to 90.28 carbonate - pyrite veinlet @ 25	86	87	1.000	199230	1	84	58
	deg. TCA.	87	88	1.000	199231	1	82	57
	92.20 to 92.21 sulphide (pyrite) veinlet @ 40	88	89	1.000	199232	2	107	106
	deg. TCA.	89	90	1.000	199233	13	215	242
	94.50 to 94.51 carbonate - pyrite vienlet @ 45	90	91	1.000	199234	4	155	53
	deg. TCA.	91	92	1.000	199235	8	78	60
	100.46 to 100.48 sulphide (pyrite) veinlet @ 40	92	93	1.000	199236	1	166	60
	deg. TCA.	93	94	1.000	199237	11	123	60
		94	95	1.000	199238	8	83	57
		95	96	1.000	199239	11	126	62
		96	97	1.000	199240	11	89	51
		97	98	1.000	199241	8	117	72
		98	99	1.000	199242	12	142	53
		99	100	1.000	199243	8	65	42
		100	101	1.000	199244	8	94	33
102.60 to 104.60	VOLCANIC	101	102	1.000	199245	4	84	35
	As to entry @ 35.0 m, however, bleached pale green	102	103	1.000	199246	7	61	94
	epidotized, epidote 20-25%, <5% k-spar alteration	103	104	1.000	199247	3	102	278
		104	105	1.000	199248	3	70	119
		105	106	1.000	199249	5	95	50
		106	107	1.000	199250	5	75	64

INTERVAL (m)	DESCRIPTION	FROM (m)	TO (m)	LENGTH (m)	SAMPLE NO.	ANALYSES Au PPB	Cu PPM	Zn PPM
	108.60 to 108.61 sulphide pyrite - chalcopyrite	107	108	1.000	199251	2	291	1019
	with associated malachite @ 25 deg. TCA.	108	108.7	0.700	199252	4	251	147
108.70 to 108.70	End of Hole.							
	Casing lef in hole. Core recovery 100% except for @ 51-52 m, core recovery 60%. Hole collared at L5+00W-8+25N.							

APPENDIX D

DISCOVERY CREEK ASSAY SUMMARY GR-BC-42
HOLE #DC-91-1

ELEMENT SAMPLES	FROM	TO	SAMPLE LENGTH	Cu ppm	Pb ppm	Zn ppm	As ppm	Au* ppb
105311	3.7	6.0	2.3	69	2	9	5	2
105312	6.0	7.0	1.0	134	2	19	3	1
105313	7.0	8.0	1.0	108	2	25	4	4
105314	8.0	9.0	1.0	24	2	20	2	2
105315	9.0	10.0	1.0	10	2	15	2	1
105316	10.0	11.0	1.0	15	2	22	2	1
105317	11.0	12.0	1.0	158	2	24	2	1
105318	12.0	13.0	1.0	31	4	26	2	1
105319	13.0	14.0	1.0	539	3	14	4	4
105320	14.0	15.0	1.0	226	5	27	2	4
105321	15.0	16.0	1.0	35	2	26	2	1
105322	16.0	17.0	1.0	4	3	25	2	1
105323	17.0	18.0	1.0	45	2	32	2	4
105324	18.0	19.0	1.0	37	2	30	3	1
105325	19.0	20.0	1.0	55	2	32	2	6
105326	20.0	21.0	1.0	11	2	20	2	4
105327	21.0	22.0	1.0	30	2	29	3	11
105328	22.0	23.0	1.0	33	5	44	4	2
105329	23.0	24.0	1.0	117	5	33	3	17
105330	24.0	25.0	1.0	162	2	24	3	25
105331	25.0	26.0	1.0	23	2	23	4	6
105332	26.0	27.0	1.0	275	2	24	3	5
105333	27.0	28.0	1.0	104	4	31	3	9
105334	28.0	29.0	1.0	97	3	24	3	3
105335	29.0	30.0	1.0	50	5	17	2	3
105336	30.0	31.0	1.0	241	2	17	2	20
105337	31.0	32.0	1.0	73	2	14	3	2
105338	32.0	33.0	1.0	66	2	25	5	4
105339	33.0	34.0	1.0	108	4	26	4	2
105340	34.0	35.0	1.0	138	4	24	4	7
105341	35.0	36.0	1.0	32	3	25	3	1
105342	36.0	37.0	1.0	50	7	27	5	1
105343	37.0	38.0	1.0	106	5	31	4	4
105344	38.0	39.0	1.0	72	4	30	4	2
105345	39.0	40.0	1.0	80	4	30	2	1
105346	40.0	41.0	1.0	86	2	27	3	3
105347	41.0	42.0	1.0	62	2	26	2	4
105348	42.0	43.0	1.0	114	3	26	3	3
105349	43.0	44.0	1.0	98	4	28	3	4
105350	44.0	45.0	1.0	103	3	28	3	3
105351	45.0	46.0	1.0	138	5	29	2	7
105352	46.0	47.0	1.0	120	2	22	4	1
105353	47.0	48.0	1.0	146	4	26	3	1

DISCOVERY CREEK ASSAY SUMMARY GR-BC-42
HOLE #DC-91-1

ELEMENT SAMPLES	FROM	TO	SAMPLE LENGTH	Cu ppm	Pb ppm	Zn ppm	As ppm	Au* ppb
105354	48.0	49.0	1.0	134	4	26	2	7
105355	49.0	50.0	1.0	73	2	23	2	5
105356	50.0	51.0	1.0	109	6	26	2	1
105357	51.0	52.0	1.0	147	4	22	4	5
105358	52.0	53.0	1.0	73	4	22	3	1
105359	53.0	54.0	1.0	83	4	26	3	6
105360	54.0	55.0	1.0	143	5	25	3	11
105361	55.0	56.0	1.0	98	4	26	3	14
105362	56.0	57.0	1.0	127	3	25	3	5
105363	57.0	58.0	1.0	111	4	31	6	3
105364	58.0	59.0	1.0	161	3	30	2	4
105365	59.0	60.0	1.0	131	2	25	2	6
105366	60.0	61.0	1.0	106	3	26	3	2
105367	61.0	62.0	1.0	138	3	47	4	5
105368	62.0	63.0	1.0	126	3	59	2	8
105369	63.0	64.0	1.0	28	4	27	4	4
105370	64.0	65.0	1.0	85	5	43	11	6
105371	65.0	66.0	1.0	69	4	56	2	1
105372	66.0	67.0	1.0	54	2	101	3	2
105373	67.0	68.0	1.0	91	2	55	2	1
105374	68.0	69.0	1.0	88	2	41	3	1
105375	69.0	70.0	1.0	64	5	45	2	1
105376	70.0	71.0	1.0	191	2	45	2	1
105377	71.0	72.0	1.0	23	4	41	3	1
105378	72.0	73.0	1.0	115	3	29	4	7
105379	73.0	74.0	1.0	65	3	33	2	3
105380	74.0	75.0	1.0	8	4	17	4	1
105381	75.0	76.0	1.0	17	5	21	3	1
105382	76.0	77.0	1.0	21	4	21	2	3
105383	77.0	78.0	1.0	72	4	39	3	7
105384	78.0	79.0	1.0	25	3	61	2	4
105385	79.0	80.0	1.0	68	2	53	2	4
105386	80.0	81.0	1.0	102	3	50	2	5
105387	81.0	82.0	1.0	80	3	56	3	9
105388	82.0	83.0	1.0	64	4	57	2	2
105389	83.0	84.0	1.0	22	3	34	2	3
105390	84.0	85.0	1.0	74	2	42	2	4
105391	85.0	86.0	1.0	110	2	47	2	3
105392	86.0	87.0	1.0	86	2	43	3	4
105393	87.0	88.0	1.0	159	2	40	3	5
105394	88.0	89.0	1.0	141	2	38	5	3
105395	89.0	90.0	1.0	71	2	32	2	2
105396	90.0	91.0	1.0	111	2	47	4	4

DISCOVERY CREEK ASSAY SUMMARY GR-BC-42
HOLE #DC-91-1

ELEMENT SAMPLES	FROM	TO	SAMPLE LENGTH	Cu ppm	Pb ppm	Zn ppm	As ppm	Au* ppb
105397	91.0	92.0	1.0	87	2	42	4	1
105398	92.0	93.0	1.0	134	2	48	2	1
105399	93.0	94.0	1.0	69	2	56	4	2
105400	94.0	95.0	1.0	67	2	47	3	2
105401	95.0	96.0	1.0	157	2	38	2	13
105402	96.0	97.0	1.0	57	2	30	2	5
105403	97.0	98.0	1.0	59	5	36	4	6
105404	98.0	99.0	1.0	49	2	40	4	3
105405	99.0	100.0	1.0	72	5	40	2	3
105406	100.0	101.0	1.0	102	4	16	2	8
105407	101.0	102.0	1.0	96	2	24	3	8
105408	102.0	103.0	1.0	93	5	54	4	5
105409	103.0	104.0	1.0	117	2	25	2	5
105410	104.0	105.0	1.0	117	4	25	3	6
105411	105.0	106.0	1.0	59	2	26	5	2
105412	106.0	107.0	1.0	60	4	22	3	3
105413	107.0	108.0	1.0	45	2	26	3	3
105414	108.0	109.0	1.0	38	2	32	4	1
105415	109.0	110.0	1.0	57	4	47	3	4
105416	110.0	111.0	1.0	48	2	47	4	2
105417	111.0	112.0	1.0	51	2	31	4	3
105418	112.0	113.0	1.0	88	3	32	6	5
105419	113.0	114.0	1.0	14	7	64	2	4
105420	114.0	115.0	1.0	50	6	99	2	4
105421	115.0	116.0	1.0	15	7	38	2	5
105422	116.0	117.0	1.0	51	5	40	2	5
105423	117.0	118.0	1.0	71	3	28	2	8
105424	118.0	119.0	1.0	33	2	34	2	1
105425	119.0	120.0	1.0	32	4	25	2	2
105426	120.0	121.0	1.0	161	3	18	2	4
105427	121.0	122.0	1.0	49	2	19	2	2
105428	122.0	123.0	1.0	28	3	34	2	5
105429	123.0	124.0	1.0	13	2	36	2	4
105430	124.0	125.0	1.0	77	6	28	2	2
105431	125.0	126.0	1.0	50	5	26	2	3
105432	126.0	127.0	1.0	56	3	34	2	8
105433	127.0	128.0	1.0	121	5	26	3	4
105434	128.0	129.0	1.0	186	7	19	6	4
105435	129.0	130.0	1.0	115	2	23	4	6
105436	130.0	131.0	1.0	122	3	18	4	3
105437	131.0	132.0	1.0	85	3	30	2	5
105438	132.0	133.0	1.0	129	2	25	3	1
105439	133.0	134.0	1.0	131	8	32	2	4

DISCOVERY CREEK ASSAY SUMMARY GR-BC-42
HOLE #DC-91-1

ELEMENT SAMPLES	FROM	TO	SAMPLE LENGTH	Cu ppm	Pb ppm	Zn ppm	As ppm	Au* ppb
105440	134.0	135.0	1.0	111	2	29	2	2
105441	135.0	136.0	1.0	108	5	28	2	9
105442	136.0	137.0	1.0	84	2	30	2	2
105443	137.0	138.0	1.0	81	5	36	2	4
105444	138.0	139.0	1.0	129	5	21	2	12
105445	139.0	140.0	1.0	111	2	22	3	7
105446	140.0	141.0	1.0	112	3	23	2	2
105447	141.0	142.0	1.0	142	2	20	2	6
105448	142.0	143.0	1.0	94	2	19	2	10
105449	143.0	144.0	1.0	62	4	25	2	5
105450	144.0	145.0	1.0	82	6	32	2	5
105451	145.0	146.0	1.0	119	2	33	2	7
105452	146.0	147.0	1.0	129	2	27	2	12
105453	147.0	148.0	1.0	74	5	22	2	3
105454	148.0	149.0	1.0	116	2	23	2	2
105455	149.0	150.0	1.0	90	2	29	2	2
105456	150.0	151.0	1.0	57	4	27	2	11
105457	151.0	152.0	1.0	68	7	23	2	13
105458	152.0	153.0	1.0	71	4	29	2	19
105459	153.0	154.0	1.0	42	5	40	3	2
105460	154.0	155.0	1.0	192	2	38	2	4
105461	155.0	156.0	1.0	56	5	51	2	1
105462	156.0	157.0	1.0	108	5	49	2	2
105463	157.0	158.0	1.0	11	6	23	2	2
105464	158.0	159.0	1.0	89	5	46	2	10
105465	159.0	160.0	1.0	90	4	50	2	5
105466	160.0	161.0	1.0	8	2	45	2	3
105467	161.0	162.0	1.0	5	2	19	2	4
105468	162.0	163.0	1.0	15	7	20	3	1
105469	163.0	164.0	1.0	11	2	37	2	1
105470	164.0	164.3	0.3	105	3	61	4	4

DISCOVERY CREEK ASSAY SUMMARY GR-BC-42
HOLE #DC-91-2

ELEMENT SAMPLES	FROM	TO	SAMPLE LENGTH	Cu ppm	Pb ppm	Zn ppm	As ppm	Au* ppb
199001	3.1	5.0	1.9	89	2	31	2	7
199002	5.0	6.0	1.0	99	6	26	3	7
199003	6.0	7.0	1.0	102	3	24	2	1
199004	7.0	8.0	1.0	103	2	23	2	5
199005	8.0	9.0	1.0	125	5	19	2	22
199006	9.0	10.0	1.0	96	6	28	2	2
199007	10.0	11.0	1.0	74	2	37	2	3
199008	11.0	12.0	1.0	108	3	28	2	1
199009	12.0	13.0	1.0	117	2	28	2	2
199010	13.0	14.0	1.0	95	7	17	2	19
199011	14.0	15.0	1.0	65	6	31	2	11
199012	15.0	16.0	1.0	43	6	29	7	1
199013	16.0	17.0	1.0	84	4	32	2	6
199014	17.0	18.0	1.0	71	2	22	2	1
199015	18.0	19.0	1.0	86	2	24	2	2
199016	19.0	20.0	1.0	83	2	26	4	3
199017	20.0	21.0	1.0	88	6	25	2	1
199018	21.0	22.0	1.0	70	2	38	2	5
199019	22.0	23.0	1.0	82	3	35	3	7
199020	23.0	24.0	1.0	128	6	26	2	10
199021	24.0	25.0	1.0	62	7	30	2	9
199022	25.0	26.0	1.0	66	2	50	2	3
199023	26.0	27.0	1.0	93	2	25	2	12
199024	27.0	28.0	1.0	98	2	22	2	22
199025	28.0	29.0	1.0	51	9	42	2	8
199026	29.0	30.0	1.0	45	2	25	2	3
199027	30.0	31.0	1.0	84	3	25	4	18
199028	31.0	32.0	1.0	58	2	28	2	7
199029	32.0	33.0	1.0	118	2	38	7	15
199030	33.0	34.0	1.0	230	2	49	10	32
199031	34.0	35.0	1.0	100	2	59	2	12
199032	35.0	36.0	1.0	143	2	52	3	21
199033	36.0	37.0	1.0	686	2	32	6	6
199034	37.0	38.0	1.0	720	2	37	4	66
199035	38.0	39.0	1.0	864	2	47	7	65
199036	39.0	40.0	1.0	153	2	30	9	15
199037	40.0	41.0	1.0	71	2	26	7	10
199038	41.0	42.0	1.0	86	2	32	6	12
199039	42.0	43.0	1.0	61	3	32	3	11
199040	43.0	44.0	1.0	134	2	30	4	9
199041	44.0	45.0	1.0	138	35	23	2	7
199042	45.0	46.0	1.0	81	2	28	2	4
199043	46.0	47.0	1.0	67	2	25	2	3

DISCOVERY CREEK ASSAY SUMMARY GR-BC-42
HOLE #DC-91-2

ELEMENT SAMPLES	FROM	TO	SAMPLE LENGTH	Cu ppm	Pb ppm	Zn ppm	As ppm	Au* ppb
199044	47.0	48.0	1.0	110	2	21	2	8
199045	48.0	49.0	1.0	93	2	27	2	7
199046	49.0	50.0	1.0	83	2	30	2	5
199047	50.0	51.0	1.0	93	2	21	3	9
199048	51.0	52.0	1.0	94	2	36	4	8
199049	52.0	53.0	1.0	139	2	48	13	17
199050	53.0	54.0	1.0	1373	2	52	7	85
199051	54.0	55.0	1.0	114	2	38	10	10
199052	55.0	56.0	1.0	1098	2	69	10	38
199053	56.0	57.0	1.0	478	2	81	8	32
199054	57.0	58.0	1.0	110	2	62	6	11
199055	58.0	59.0	1.0	202	2	66	4	18
199056	59.0	60.0	1.0	173	2	62	4	8
199057	60.0	61.0	1.0	111	2	64	2	3
199058	61.0	62.0	1.0	131	2	56	3	14
199059	62.0	63.0	1.0	85	3	44	2	6
199060	63.0	64.0	1.0	127	2	64	3	17
199061	64.0	65.0	1.0	203	2	62	3	13
199062	65.0	66.0	1.0	175	2	51	2	10
199063	66.0	67.0	1.0	162	2	48	2	7
199064	67.0	68.0	1.0	133	2	75	2	9
199065	68.0	69.0	1.0	136	2	90	4	15
199066	69.0	70.0	1.0	152	2	84	4	3
199067	70.0	71.0	1.0	123	2	73	4	7
199068	71.0	72.0	1.0	118	2	54	4	1
199069	72.0	73.0	1.0	85	4	43	2	3
199070	73.0	74.0	1.0	1616	3	81	14	51
199071	74.0	75.0	1.0	265	2	68	8	21
199072	75.0	76.0	1.0	57	2	56	3	6
199073	76.0	77.0	1.0	83	2	54	2	5
199074	77.0	78.0	1.0	118	2	70	2	6
199075	78.0	79.0	1.0	120	2	46	2	3
199076	79.0	80.0	1.0	229	2	67	4	10
199077	80.0	81.0	1.0	161	4	66	2	11
199078	81.0	82.0	1.0	125	19	50	2	6
199079	82.0	83.0	1.0	103	2	34	3	4
199080	83.0	84.0	1.0	101	2	37	2	8
199081	84.0	85.0	1.0	109	3	61	4	5
199082	85.0	86.0	1.0	346	2	59	5	5
199083	86.0	87.0	1.0	52	2	43	9	5
199084	87.0	88.0	1.0	59	2	41	9	8
199085	88.0	89.0	1.0	152	2	37	3	5
199086	89.0	90.0	1.0	123	2	45	2	7

DISCOVERY CREEK ASSAY SUMMARY GR-BC-42
HOLE #DC-91-2

ELEMENT SAMPLES	FROM	TO	SAMPLE LENGTH	Cu ppm	Pb ppm	Zn ppm	As ppm	Au* ppb
199087	90.0	91.0	1.0	117	2	35	3	5
199088	91.0	92.0	1.0	92	2	46	2	5
199089	92.0	93.0	1.0	83	3	88	5	8
199090	93.0	94.0	1.0	154	6	53	4	9
199091	94.0	95.0	1.0	94	2	36	6	8
199092	95.0	96.0	1.0	96	5	26	2	7
199093	96.0	97.0	1.0	68	4	50	6	3
199094	97.0	98.0	1.0	83	2	51	4	10
199095	98.0	99.0	1.0	95	3	35	4	8
199096	99.0	100.0	1.0	149	2	26	3	1
199097	100.0	101.0	1.0	140	4	26	3	2
199098	101.0	102.0	1.0	132	2	24	2	2
199099	102.0	103.0	1.0	144	3	27	2	5
199100	103.0	104.0	1.0	112	3	29	2	6
199101	104.0	105.0	1.0	86	3	32	2	3
199102	105.0	106.0	1.0	119	2	22	2	3
199103	106.0	107.0	1.0	178	2	31	3	10
199104	107.0	108.0	1.0	173	5	31	2	6
199105	108.0	109.0	1.0	149	4	22	2	4
199106	109.0	110.0	1.0	111	3	21	2	9
199107	110.0	111.0	1.0	63	4	31	2	1
199108	111.0	112.0	1.0	102	2	28	2	14
199109	112.0	113.0	1.0	132	2	46	4	5
199110	113.0	114.0	1.0	82	2	39	3	1
199111	114.0	115.0	1.0	97	2	40	2	1
199112	115.0	116.0	1.0	128	3	39	3	1
199113	116.0	117.0	1.0	129	4	39	3	2
199114	117.0	118.0	1.0	112	5	36	2	4
199115	118.0	121.0	3.0	151	4	42	5	1
199116	121.0	122.0	1.0	209	5	64	2	3
199117	122.0	123.0	1.0	106	2	49	2	3
199118	123.0	124.0	1.0	221	2	57	2	1
199119	124.0	125.0	1.0	331	2	59	2	3
199120	125.0	126.0	1.0	220	4	74	2	2
199121	126.0	127.0	1.0	152	2	66	2	2
199122	127.0	128.0	1.0	271	3	68	2	10
199123	128.0	129.0	1.0	287	5	85	2	15
199124	129.0	130.0	1.0	78	2	74	2	3
199125	130.0	131.0	1.0	80	2	46	2	6
199126	131.0	132.0	1.0	62	2	82	3	2
199127	132.0	133.0	1.0	94	2	70	2	5
199128	133.0	134.0	1.0	127	3	56	3	5
199129	134.0	135.0	1.0	74	3	42	2	6

DISCOVERY CREEK ASSAY SUMMARY GR-BC-42
HOLE #DC-91-2

ELEMENT SAMPLES	FROM	TO	SAMPLE LENGTH	Cu ppm	Pb ppm	Zn ppm	As ppm	Au* ppb
199130	135.0	136.0	1.0	80	5	40	5	1
199131	136.0	137.0	1.0	89	4	41	3	12
199132	137.0	138.0	1.0	177	5	54	2	2
199133	138.0	139.0	1.0	82	4	61	2	4
199134	139.0	140.0	1.0	177	3	70	6	1
199135	140.0	141.0	1.0	87	4	53	4	7
199136	141.0	142.0	1.0	103	3	33	3	6
199137	142.0	143.0	1.0	76	4	26	3	1
199138	143.0	144.0	1.0	164	5	35	2	9
199139	144.0	145.0	1.0	94	4	35	4	6
199140	145.0	146.0	1.0	133	2	37	3	6
199141	146.0	147.0	1.0	110	2	31	3	4
199142	147.0	148.0	1.0	116	2	36	4	3
199143	148.0	149.0	1.0	193	2	56	6	1
199144	149.0	150.0	1.0	47	5	57	6	5
199145	150.0	151.0	1.0	71	2	46	4	5
199146	151.0	151.5	0.5	82	2	45	2	2

DISCOVERY CREEK ASSAY SUMMARY GR-BC-42
HOLE #DC-91-3

ELEMENT SAMPLES	FROM	TO	SAMPLE LENGTH	Cu ppm	Pb ppm	Zn ppm	As ppm	Au* ppb
199147	3.1	4.0	0.9	104	2	19	2	2
199148	4.0	5.0	1.0	43	2	7	2	1
199149	5.0	6.0	1.0	300	5	11	2	16
199150	6.0	7.0	1.0	61	2	12	3	1
199151	7.0	8.0	1.0	77	2	13	2	4
199152	8.0	9.0	1.0	89	2	13	3	1
199153	9.0	10.0	1.0	77	2	11	2	1
199154	10.0	11.0	1.0	126	2	9	3	2
199155	11.0	12.0	1.0	172	2	9	2	5
199156	12.0	13.0	1.0	106	3	11	5	1
199157	13.0	14.0	1.0	103	2	12	4	4
199158	14.0	15.0	1.0	108	2	14	3	1
199159	15.0	16.0	1.0	122	2	12	2	8
199160	16.0	17.0	1.0	161	2	14	5	2
199161	17.0	18.0	1.0	218	2	10	3	3
199162	18.0	19.0	1.0	79	2	20	4	4
199163	19.0	20.0	1.0	121	2	22	3	4
199164	20.0	21.0	1.0	97	2	28	5	4
199165	21.0	22.0	1.0	67	6	25	2	2
199166	22.0	23.0	1.0	48	8	30	2	2
199167	23.0	24.0	1.0	114	6	30	3	1
199168	24.0	25.0	1.0	122	6	21	2	2
199169	25.0	26.0	1.0	884	2	22	2	87
199170	26.0	27.0	1.0	291	2	28	2	35
199171	27.0	28.0	1.0	175	7	31	2	20
199172	28.0	29.0	1.0	180	4	26	2	5
199173	29.0	30.0	1.0	43	4	24	4	3
199174	30.0	31.0	1.0	50	5	22	2	2
199175	31.0	32.0	1.0	199	2	23	3	13
199176	32.0	33.0	1.0	46	3	39	2	2
199177	33.0	34.0	1.0	88	2	34	2	2
199178	34.0	35.0	1.0	620	3	29	7	28
199179	35.0	36.0	1.0	1050	2	48	5	72
199180	36.0	37.0	1.0	354	7	50	4	7
199181	37.0	38.0	1.0	90	3	41	4	3
199182	38.0	39.0	1.0	116	17	49	4	2
199183	39.0	40.0	1.0	120	4	41	2	6
199184	40.0	41.0	1.0	170	4	61	2	3
199185	41.0	42.0	1.0	214	2	54	3	3
199186	42.0	43.0	1.0	57	4	66	2	1
199187	43.0	44.0	1.0	123	8	53	2	4
199188	44.0	45.0	1.0	125	7	56	3	6
199189	45.0	46.0	1.0	74	2	46	4	4

DISCOVERY CREEK ASSAY SUMMARY GR-BC-42
HOLE #DC-91-3

ELEMENT SAMPLES	FROM	TO	SAMPLE LENGTH	Cu ppm	Pb ppm	Zn ppm	As ppm	Au* ppb
199190	46.0	47.0	1.0	308	4	48	4	21
199191	47.0	48.0	1.0	96	4	40	2	4
199192	48.0	49.0	1.0	199	2	70	4	19
199193	49.0	50.0	1.0	118	2	112	2	4
199194	50.0	51.0	1.0	93	3	60	2	1
199195	51.0	52.0	1.0	130	3	55	2	12
199196	52.0	53.0	1.0	52	2	39	2	3
199197	53.0	54.0	1.0	65	2	44	3	1
199198	54.0	55.0	1.0	134	2	67	5	2
199199	55.0	56.0	1.0	72	2	33	2	1
199200	56.0	57.0	1.0	32	2	39	2	4
199201	57.0	58.0	1.0	212	3	66	2	19
199202	58.0	59.0	1.0	48	2	51	2	8
199203	59.0	60.0	1.0	52	2	49	2	6
199204	60.0	61.0	1.0	102	4	69	2	3
199205	61.0	62.0	1.0	46	2	74	2	7
199206	62.0	63.0	1.0	101	2	86	2	5
199207	63.0	64.0	1.0	142	2	51	2	5
199208	64.0	65.0	1.0	42	2	52	2	4
199209	65.0	66.0	1.0	232	5	51	3	13
199210	66.0	67.0	1.0	179	7	50	2	1
199211	67.0	68.0	1.0	1137	3	51	5	3
199212	68.0	69.0	1.0	203	4	76	2	2
199213	69.0	70.0	1.0	71	3	71	3	1
199214	70.0	71.0	1.0	52	3	63	2	1
199215	71.0	72.0	1.0	42	2	59	2	3
199216	72.0	73.0	1.0	53	4	52	2	2
199217	73.0	74.0	1.0	83	2	55	2	4
199218	74.0	75.0	1.0	67	2	36	2	3
199219	75.0	76.0	1.0	67	3	35	3	9
199220	76.0	77.0	1.0	155	2	45	2	2
199221	77.0	78.0	1.0	100	2	51	2	8
199222	78.0	79.0	1.0	101	4	92	3	4
199223	79.0	80.0	1.0	36	2	53	2	1
199224	80.0	81.0	1.0	90	2	55	2	4
199225	81.0	82.0	1.0	130	3	62	2	1
199226	82.0	83.0	1.0	112	3	76	3	1
199227	83.0	84.0	1.0	46	2	55	2	3
199228	84.0	85.0	1.0	46	2	51	2	1
199229	85.0	86.0	1.0	67	2	49	3	1
199230	86.0	87.0	1.0	84	2	58	4	1
199231	87.0	88.0	1.0	82	2	57	2	1
199232	88.0	89.0	1.0	107	3	106	2	2

DISCOVERY CREEK ASSAY SUMMARY GR-BC-42
HOLE #DC-91-3

ELEMENT SAMPLES	FROM	TO	SAMPLE LENGTH	Cu ppm	Pb ppm	Zn ppm	As ppm	Au* ppb
199233	89.0	90.0	1.0	215	3	242	2	13
199234	90.0	91.0	1.0	155	2	53	3	4
199235	91.0	92.0	1.0	78	2	60	2	8
199236	92.0	93.0	1.0	166	2	60	2	1
199237	93.0	94.0	1.0	123	3	60	2	11
199238	94.0	95.0	1.0	83	2	57	2	8
199239	95.0	96.0	1.0	126	4	62	2	11
199240	96.0	97.0	1.0	89	2	51	2	11
199241	97.0	98.0	1.0	117	4	72	2	8
199242	98.0	99.0	1.0	142	4	53	2	12
199243	99.0	100.0	1.0	65	4	42	2	8
199244	100.0	101.0	1.0	94	2	33	2	8
199245	101.0	102.0	1.0	84	3	35	2	4
199246	102.0	103.0	1.0	61	3	94	2	7
199247	103.0	104.0	1.0	102	4	278	3	3
199248	104.0	105.0	1.0	70	3	119	2	3
199249	105.0	106.0	1.0	95	4	50	2	5
199250	106.0	107.0	1.0	75	57	64	2	5
199251	107.0	108.0	1.0	291	4	1019	3	2
199252	108.0	108.7	0.7	251	2	147	3	4

APPENDIX E

ACME ANALYTICAL LABORATORIES

TELEFAX

852 East Hastings Street
Vancouver, B. C.
CANADA V6A 1R6

Telephone: 604 253 - 3158
Telefax: 604 253 - 1716
Computer data: 604 251 - 1011

Attention: Larry Lahusen	Date: NOV. 7
Company: Golden Rule Resources	
From: SELINA	Number of pages incl. this one: 13

Short message:

GEOCHEMICAL ANALYSIS CERTIFICATE

Golden Rule Resources Ltd. PROJECT GR-BC-51 File # 91-5357 Page 1

1450 - 125 - 9th St. S.E., Calgary AB T2G 0P6

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb
A 105311	1	69	2	9	.1	18	12	522	2.09	5	5	ND	1	120	.2	2	2	75	4.76	.070	4	128	1.27	19	.10	2	2.61	.27	.07	2	2
A 105312	1	134	2	19	.1	26	21	792	2.82	3	5	ND	1	214	.2	2	2	93	6.69	.046	4	93	1.85	21	.15	2	1.86	.06	.12	1	1
A 105313	1	108	2	25	.1	25	21	801	4.17	4	5	ND	1	140	.2	2	2	117	7.12	.057	4	135	2.21	13	.13	2	2.16	.08	.08	1	4
A 105314	1	24	2	20	.1	18	10	503	2.51	2	5	ND	1	93	.2	2	2	82	4.63	.054	3	81	1.83	22	.14	2	1.87	.11	.10	1	2
A 105315	1	10	2	15	.1	20	8	303	1.70	2	5	ND	1	32	.2	2	2	54	1.74	.040	3	69	1.35	28	.14	3	1.42	.13	.28	1	1
A 105316	1	15	2	22	.1	25	11	360	2.15	2	5	ND	1	29	.2	2	2	67	1.25	.044	2	80	1.88	44	.25	2	1.73	.09	.74	1	1
A 105317	1	158	2	24	.1	27	22	383	2.84	2	5	ND	1	146	.2	2	2	79	2.32	.053	3	47	1.60	65	.23	2	2.14	.14	.60	1	1
A 105318	1	31	4	26	.1	24	12	379	2.30	2	5	ND	1	111	.2	2	2	76	2.10	.063	3	45	1.62	69	.22	2	2.16	.16	.59	1	1
A 105319	1	539	3	14	.1	33	33	303	4.07	4	5	ND	1	143	.2	2	2	76	3.04	.077	2	48	.78	29	.09	4	3.12	.29	.16	1	4
A 105320	1	226	5	27	.1	36	26	487	3.75	2	5	ND	1	247	.2	2	2	93	3.10	.062	3	65	1.48	59	.18	2	2.43	.17	.30	1	4
A 105321	1	35	2	26	.1	33	13	493	2.49	2	5	ND	1	134	.2	2	2	82	3.22	.045	4	77	1.67	72	.22	2	2.30	.06	.56	1	1
A 105322	1	4	3	25	.1	38	14	399	2.59	2	5	ND	1	87	.2	2	2	91	1.64	.050	3	92	1.91	143	.27	2	1.92	.08	1.06	1	1
A 105323	1	45	2	32	.1	30	17	398	3.37	2	5	ND	1	56	.2	2	2	106	.83	.069	2	62	1.99	177	.32	2	1.89	.06	1.35	1	4
A 105324	1	37	2	30	.1	20	15	331	2.91	3	5	ND	1	31	.2	2	2	91	.86	.056	2	42	1.62	172	.28	2	1.80	.09	1.21	1	1
A 105325	1	55	2	32	.1	24	17	370	3.31	2	5	ND	1	21	.2	2	2	99	.83	.062	2	61	1.87	218	.29	2	1.90	.09	1.43	1	6
A 105326	1	11	2	20	.2	16	11	302	2.35	2	5	ND	1	58	.2	2	3	81	.96	.038	5	35	1.21	107	.21	2	1.31	.10	.72	1	4
A 105327	2	30	2	29	.1	20	14	323	3.02	3	5	ND	1	81	.2	2	2	88	1.30	.046	2	52	1.55	222	.27	2	2.71	.23	1.36	1	11
A 105328	1	33	5	44	.1	23	20	427	4.40	4	5	ND	1	119	.2	2	2	124	1.85	.044	2	40	2.37	213	.32	2	4.29	.31	2.27	1	2
A 105329	1	117	5	33	.2	20	15	367	3.13	3	5	ND	1	107	.2	2	2	95	1.67	.043	2	43	1.73	147	.28	2	3.33	.31	1.40	1	17
A 105330	1	162	2	24	.3	18	13	365	2.67	3	5	ND	1	53	.2	2	2	92	1.41	.056	3	65	1.50	54	.27	2	1.52	.10	.90	1	25
A 105331	1	23	2	23	.2	16	12	347	2.54	4	5	ND	1	51	.2	2	2	92	1.07	.063	3	64	1.33	77	.26	2	1.64	.15	.87	1	6
A 105332	1	275	2	24	.2	33	16	394	3.09	3	5	ND	1	69	.2	2	2	94	2.19	.059	2	87	1.14	62	.22	2	1.87	.16	.34	1	5
A 105333	1	104	4	31	.2	41	14	507	2.85	3	5	ND	1	93	.2	2	2	92	3.53	.062	4	112	1.71	70	.22	2	1.96	.06	.64	1	9
RE A 105329	1	114	4	31	.1	20	14	356	2.95	3	5	ND	1	104	.2	2	2	91	1.59	.042	2	41	1.66	142	.27	2	3.12	.29	1.35	1	12
A 105334	1	97	3	24	.1	20	15	397	3.12	3	5	ND	1	210	.2	2	2	95	2.71	.056	3	54	1.88	59	.19	2	2.98	.19	.33	1	3
A 105335	1	50	5	17	.1	28	11	296	2.33	2	5	ND	1	190	.2	2	2	84	1.76	.062	3	73	1.66	61	.22	2	2.60	.27	.30	1	3
A 105336	1	241	2	17	.1	36	12	325	2.04	2	5	ND	1	190	.2	2	2	68	2.05	.065	2	86	1.76	25	.15	3	2.70	.25	.16	1	20
A 105337	1	73	2	14	.1	29	9	287	1.69	3	5	ND	1	191	.2	2	2	58	1.76	.070	3	88	1.24	13	.14	2	2.68	.61	.16	1	2
A 105338	1	66	2	25	.1	20	14	391	3.10	5	5	ND	1	273	.2	2	2	108	2.43	.066	4	38	1.65	38	.24	2	3.08	.26	.24	1	4
A 105339	1	108	4	26	.1	19	15	350	3.28	4	5	ND	1	332	.2	2	2	106	2.28	.063	2	33	1.50	45	.22	2	3.73	.73	.25	1	2
A 105340	1	138	4	24	.2	20	16	367	3.19	4	5	ND	1	367	.2	2	2	105	2.86	.053	3	37	1.61	28	.22	4	3.78	.50	.17	1	7
A 105341	1	32	3	25	.1	18	11	357	2.66	3	5	ND	1	399	.2	2	2	100	2.67	.062	3	46	1.46	37	.23	3	3.20	.34	.19	1	1
A 105342	1	50	7	27	.1	17	11	372	2.94	5	5	ND	1	257	.2	2	2	110	2.47	.059	4	47	1.39	19	.20	3	3.20	.63	.11	1	1
A 105343	1	106	5	31	.2	17	13	399	3.41	4	5	ND	1	286	.2	2	2	122	3.45	.073	6	56	1.55	13	.23	5	3.14	.19	.09	1	4
A 105344	1	72	4	30	.1	14	12	342	3.35	4	5	ND	1	262	.2	2	2	116	1.99	.075	6	53	1.26	44	.24	2	2.11	.18	.16	1	2
A 105345	1	80	4	30	.1	19	13	339	3.21	2	5	ND	1	128	.2	2	2	105	1.93	.074	4	63	1.37	45	.24	4	2.08	.15	.14	1	1
A 105346	1	86	2	27	.2	24	14	414	3.47	3	5	ND	1	108	.2	2	2	111	2.70	.069	4	84	1.64	33	.24	5	2.20	.17	.16	1	3
STANDARD C/AU-R	21	63	41	136	7.4	72	32	1145	3.98	42	23	6	38	52	19.0	15	19	60	.50	.098	40	60	.91	182	.10	36	1.86	.06	.16	11	480

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
ASSAY RECOMMENDED FOR ROCK AND CORE SAMPLES IF CU PB ZN AS > 1%, AG > 30 PPM & AU > 1000 PPB
- SAMPLE TYPE: CORE AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE. Samples beginning 'RE' are duplicate samples.

DATE RECEIVED: NOV 4 1991 DATE REPORT MAILED: Nov 7/91. SIGNED BY.......... D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb
A 105347	1	62	2	26	.1	18	12	321	2.63	2	5	ND	1	103	.2	2	2	91	2.50	.057	2	69	1.26	43	.16	2	2.01	.18	.19	2	4
A 105348	1	114	3	26	.1	16	13	332	2.59	3	5	ND	1	117	.2	2	2	91	2.93	.063	3	72	1.20	30	.14	3	1.86	.19	.14	1	3
A 105349	1	98	4	28	.1	16	13	282	2.66	3	5	ND	1	371	.2	2	2	100	2.77	.069	3	53	1.09	51	.15	5	2.74	.25	.19	1	4
A 105350	1	103	3	28	.1	16	12	263	2.56	3	5	ND	1	333	.2	2	2	99	2.35	.073	3	56	1.04	58	.16	5	2.44	.28	.23	2	3
A 105351	1	138	5	29	.1	19	13	257	2.43	2	5	ND	1	386	.2	2	2	90	2.66	.078	3	58	1.03	55	.15	8	2.87	.30	.21	1	7
A 105352	1	120	2	22	.1	18	11	237	2.04	4	5	ND	1	372	.2	2	2	78	1.90	.091	4	76	.96	42	.14	4	2.11	.34	.15	1	1
A 105353	1	146	4	26	.1	19	14	262	2.69	3	5	ND	1	572	.2	2	2	97	2.63	.074	3	54	1.12	67	.16	12	3.11	.42	.23	1	1
A 105354	1	134	4	26	.1	14	12	251	2.77	2	5	ND	1	738	.2	2	2	102	2.48	.057	2	35	1.07	72	.16	7	3.55	.64	.33	1	7
A 105355	1	73	2	23	.1	10	11	224	2.85	2	5	ND	1	708	.2	2	2	108	2.53	.061	2	26	.93	59	.15	6	3.60	.70	.25	1	5
A 105356	1	109	6	26	.1	12	12	233	3.10	2	5	ND	1	548	.2	2	2	113	2.73	.053	2	25	.95	72	.16	53	3.51	.54	.23	1	1
A 105357	1	147	4	22	.1	12	12	220	2.71	4	5	ND	1	420	.2	2	2	102	3.16	.053	3	23	.89	50	.14	36	3.05	.35	.20	1	5
A 105358	1	73	4	22	.1	11	11	260	2.61	5	5	ND	1	222	.2	2	2	118	4.86	.051	3	24	1.04	37	.16	114	3.27	.23	.18	1	1
A 105359	1	83	4	26	.1	12	11	227	3.13	3	5	ND	1	492	.2	2	2	117	2.28	.057	2	26	.92	90	.17	521	2.84	.46	.31	1	6
A 105360	1	143	5	25	.2	17	16	273	3.23	3	5	ND	1	650	.3	2	2	116	2.52	.062	2	30	1.11	63	.17	21	3.56	.72	.24	1	11
A 105361	1	98	4	26	.1	13	12	257	2.97	3	5	ND	1	978	.2	2	2	109	2.88	.065	3	25	1.04	40	.15	9	3.75	.56	.15	1	14
A 105362	1	127	3	25	.1	12	11	241	2.96	3	5	ND	1	901	.2	2	2	110	2.35	.062	2	24	.98	57	.15	31	3.35	.51	.19	1	5
A 105363	1	111	4	31	.1	16	15	351	3.59	6	5	ND	1	458	.2	2	2	129	2.77	.061	2	34	1.53	47	.18	150	3.73	.56	.17	1	3
A 105364	5	161	3	30	.2	15	14	361	3.38	2	5	ND	1	430	.2	2	2	123	1.74	.063	2	33	1.51	52	.18	10	2.66	.52	.19	1	4
RE A 105360	1	150	3	24	.1	17	15	264	3.15	4	5	ND	1	646	.2	2	2	116	2.49	.063	2	28	1.09	60	.17	20	3.47	.69	.24	1	8
A 105365	3	131	2	25	.2	14	13	325	3.03	2	5	ND	1	412	.2	2	2	115	2.09	.062	2	43	1.42	66	.15	3	2.26	.50	.18	1	6
A 105366	1	106	3	26	.1	14	13	341	3.11	3	5	ND	1	377	.2	2	2	119	2.89	.068	2	33	1.48	51	.14	5	2.35	.35	.18	1	2
A 105367	1	138	3	47	.1	18	18	735	4.09	4	5	ND	1	768	.2	2	2	134	3.41	.056	5	44	3.09	37	.23	4	3.82	.21	.22	1	5
A 105368	1	126	3	59	.1	23	21	845	4.35	2	5	ND	1	847	.2	2	2	135	2.95	.063	4	48	2.79	99	.27	2	3.15	.30	.62	1	8
A 105369	1	28	4	27	.1	9	7	416	1.88	4	5	ND	5	165	.2	2	2	67	2.57	.025	14	23	.58	28	.08	2	.89	.15	.24	1	4
A 105370	1	85	5	43	.1	2	6	298	1.54	11	5	ND	5	20	.2	2	2	72	1.30	.019	18	5	.12	6	.02	2	.32	.10	.15	1	6
A 105371	1	69	4	56	.1	7	9	544	2.71	2	5	ND	4	31	.2	2	2	108	2.51	.035	17	17	.55	15	.05	2	.73	.11	.17	1	1
A 105372	1	54	2	101	.1	20	23	1138	5.98	3	5	ND	2	61	.2	2	2	169	3.28	.073	11	51	2.25	34	.13	2	2.35	.09	.29	1	2
A 105373	1	91	2	55	.1	18	21	967	4.76	2	5	ND	1	69	.3	2	2	141	4.84	.059	8	41	1.96	57	.15	2	1.95	.11	.39	1	1
A 105374	1	88	2	41	.1	19	20	770	4.60	3	5	ND	1	100	.2	2	2	147	3.06	.057	4	40	2.08	110	.24	2	2.27	.15	.63	1	1
A 105375	1	64	5	45	.1	19	18	735	4.62	2	5	ND	1	67	.2	2	2	147	2.53	.064	5	38	2.18	113	.27	2	2.14	.19	.80	1	1
A 105376	1	191	2	45	.1	17	21	700	5.18	2	5	ND	1	83	.2	2	2	175	2.58	.060	5	40	1.84	98	.25	2	1.78	.21	.63	1	1
A 105377	1	23	4	41	.2	12	10	716	2.98	3	5	ND	2	57	.2	2	2	107	3.65	.040	9	27	.92	37	.15	2	.97	.10	.29	1	1
A 105378	1	115	3	29	.2	10	15	526	2.30	6	5	ND	3	53	.2	2	2	73	2.97	.024	8	15	.59	23	.10	2	.73	.09	.22	1	7
A 105379	1	65	3	33	.1	14	14	608	3.69	2	5	ND	2	306	.2	2	2	133	2.34	.048	5	33	1.24	101	.21	2	1.29	.18	.57	1	3
A 105380	1	8	4	17	.1	3	2	341	1.17	4	5	ND	6	24	.2	2	2	44	2.02	.012	12	4	.08	6	.04	2	.20	.09	.13	1	1
A 105381	1	17	5	21	.2	3	3	295	1.40	3	5	ND	5	16	.2	2	2	53	1.39	.020	15	3	.09	6	.05	2	.24	.10	.15	1	1
A 105382	1	21	4	21	.1	1	2	266	1.12	2	5	ND	2	18	.2	2	2	39	.96	.043	15	7	.09	8	.06	2	.23	.12	.16	1	3
STANDARD C/AU-R	20	62	45	139	7.4	73	32	1124	4.03	42	21	7	39	54	18.7	17	19	62	.58	.094	39	61	.93	187	.09	36	1.89	.09	.17	11	460

Sample type: CORE. Samples beginning 'RE' are duplicate samples.

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb
A 105383	1	72	4	39	.1	7	10	476	2.69	3	5	ND	1	33	.3	2	2	88	2.08	.046	11	17	.78	41	.14	3	.76	.06	.25	1	7
A 105384	1	25	3	61	.2	18	20	710	5.91	2	5	ND	1	148	.2	2	2	176	1.58	.072	6	43	2.21	157	.32	4	2.02	.09	1.04	1	4
A 105385	1	68	2	53	.2	18	19	568	4.93	2	5	ND	1	177	.2	2	2	155	1.48	.065	5	47	1.89	165	.27	4	2.00	.15	.88	1	4
A 105386	1	102	3	50	.2	18	19	545	4.98	2	5	ND	1	278	.2	2	2	145	1.52	.056	4	42	1.80	162	.26	4	2.10	.23	.78	1	5
A 105387	1	80	3	56	.1	16	20	626	5.63	3	5	ND	1	121	.2	3	2	158	1.13	.064	5	38	2.06	159	.31	2	1.99	.12	.95	1	9
A 105388	1	64	4	57	.1	18	18	674	4.68	2	5	ND	1	74	.2	2	2	146	1.95	.057	6	45	1.79	113	.27	4	1.67	.11	.80	1	2
A 105389	1	22	3	34	.1	11	10	454	2.99	2	5	ND	3	32	.4	2	2	107	1.76	.047	9	28	.90	64	.21	4	.93	.08	.54	1	3
A 105390	1	74	2	42	.1	15	15	518	4.30	2	5	ND	2	65	.3	2	2	142	1.57	.100	8	31	1.41	79	.24	2	1.49	.18	.54	1	4
A 105391	1	110	2	47	.1	18	19	517	4.59	2	5	ND	1	159	.2	2	2	142	1.59	.057	5	46	1.59	125	.26	3	1.72	.12	.68	1	3
A 105392	1	86	2	43	.1	17	16	522	4.38	3	5	ND	4	213	.3	2	2	133	1.81	.057	6	39	1.49	73	.24	2	2.09	.45	.41	1	4
A 105393	1	159	2	40	.2	19	28	522	4.49	3	5	ND	1	103	.3	2	2	135	1.74	.072	5	38	1.59	86	.24	6	1.90	.21	.53	1	5
A 105394	1	141	2	38	.1	19	18	515	4.49	5	5	ND	1	101	.2	2	2	138	1.76	.069	5	41	1.55	89	.25	4	1.90	.22	.55	1	3
A 105395	1	71	2	32	.1	13	13	423	3.85	2	5	ND	2	58	.2	2	2	128	1.14	.058	7	32	1.16	71	.24	3	1.29	.14	.45	1	2
A 105396	1	111	2	47	.2	16	19	484	5.29	4	5	ND	1	46	.2	2	2	159	1.76	.069	4	35	1.49	132	.29	4	1.92	.12	.62	1	4
A 105397	1	87	2	42	.1	17	17	462	4.75	4	5	ND	1	37	.2	2	2	158	2.31	.067	8	53	1.33	85	.27	9	1.94	.08	.42	2	1
A 105398	1	134	2	48	.2	20	22	590	5.73	2	5	ND	1	45	.2	2	2	165	1.19	.066	5	46	2.14	99	.33	6	2.26	.10	.67	1	1
A 105399	1	69	2	56	.2	20	21	574	5.46	4	5	ND	1	95	.2	3	2	158	1.49	.069	6	46	2.19	75	.33	30	2.36	.10	.66	1	2
A 105400	1	67	2	47	.1	20	20	519	5.07	3	5	ND	1	81	.2	2	2	150	1.34	.067	5	46	1.95	108	.32	63	2.15	.12	.80	1	2
A 105401	1	157	2	38	.1	21	21	439	4.96	2	5	ND	1	59	.2	2	2	149	1.01	.070	4	50	1.82	141	.31	41	1.99	.21	1.09	1	13
A 105402	1	57	2	30	.1	15	13	384	3.68	2	5	ND	3	86	.2	2	2	130	2.95	.054	8	35	1.21	58	.26	4	1.78	.12	.56	1	5
A 105403	1	59	5	36	.1	20	15	402	3.89	6	5	ND	1	136	.2	2	2	135	7.20	.076	5	54	1.75	65	.26	6	3.08	.06	.66	2	6
A 105404	1	49	2	40	.2	29	20	348	4.41	4	5	ND	1	79	.2	2	2	147	1.46	.063	4	70	2.28	85	.34	51	2.56	.16	1.08	1	3
A 105405	1	72	5	40	.2	27	18	363	4.26	2	5	ND	1	73	.2	2	2	137	2.04	.055	3	69	2.13	77	.31	85	3.39	.57	.83	1	3
RE A 105402	1	54	2	30	.1	16	14	387	3.65	3	5	ND	3	86	.2	2	2	131	2.96	.053	8	35	1.20	57	.26	5	1.76	.12	.56	1	9
A 105406	1	102	4	16	.2	23	13	213	2.26	2	5	ND	1	164	.2	2	2	81	1.60	.069	3	55	1.16	62	.22	17	2.40	.60	.38	1	8
A 105407	1	96	2	24	.1	23	13	267	2.56	3	5	ND	1	402	.2	2	2	84	2.00	.095	3	52	1.34	68	.22	2	2.27	.27	.47	1	8
A 105408	1	93	5	54	.1	28	18	408	4.01	4	5	ND	1	67	.2	2	2	137	2.00	.088	6	81	1.95	69	.28	5	2.27	.14	.78	1	5
A 105409	1	117	2	25	.1	26	15	284	2.84	2	5	ND	1	231	.2	2	2	98	1.77	.073	4	66	1.35	70	.23	4	2.19	.34	.43	1	5
A 105410	1	117	4	25	.2	24	13	312	2.86	3	5	ND	1	292	.2	2	2	100	2.43	.079	4	69	1.34	46	.21	4	3.52	1.07	.24	1	6
A 105411	1	59	2	26	.1	24	14	278	3.42	5	5	ND	1	308	.2	2	2	125	2.67	.078	4	84	1.32	36	.23	5	2.84	.31	.24	1	2
A 105412	1	60	4	22	.1	22	11	228	2.54	3	5	ND	1	237	.2	2	2	94	1.98	.060	3	72	1.19	50	.22	7	2.25	.26	.32	1	3
A 105413	1	45	2	26	.1	26	13	272	2.37	3	5	ND	1	72	.2	2	2	83	1.31	.054	2	62	1.63	99	.25	4	1.74	.15	.67	1	3
A 105414	1	38	2	32	.1	18	13	378	3.63	4	5	ND	1	138	.2	2	2	113	2.49	.076	7	53	1.40	50	.25	11	2.44	.39	.33	1	1
A 105415	1	57	4	47	.2	33	17	453	3.78	3	5	ND	1	62	.3	2	2	133	3.05	.057	8	98	2.38	61	.31	18	2.58	.12	.71	1	4
A 105416	1	48	2	47	.1	37	20	494	4.11	4	5	ND	1	52	.3	2	2	132	2.13	.044	4	115	2.73	60	.32	6	2.70	.11	.63	1	2
A 105417	1	51	2	31	.2	28	15	372	3.10	4	5	ND	1	346	.3	2	2	111	2.46	.053	4	67	2.02	44	.25	16	3.72	.86	.35	1	3
A 105418	1	88	3	32	.2	21	14	402	3.34	8	5	ND	1	288	.2	2	2	114	3.17	.060	5	60	1.67	36	.26	9	3.74	.74	.23	1	5
STANDARD C/AU-R	19	59	39	133	7.4	72	33	1054	3.97	41	19	7	36	54	18.8	15	19	55	.49	.090	38	58	.89	177	.09	33	1.90	.06	.15	11	490

Sample type: CORE. Samples beginning 'RE' are duplicate samples.

ACME ANALYTICAL

Golden Rule Resources Ltd. PROJECT GR-BC-51 FILE # 91-5357

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb
A 105419	1	14	7	64	.1	5	7	604	3.07	2	5	ND	5	175	.2	2	2	156	2.07	.090	17	9	.49	36	.17	2	1.04	.10	.25	1	4
A 105420	1	50	6	99	.2	19	19	832	5.38	2	5	ND	2	94	.2	2	2	220	3.35	.070	12	43	1.94	111	.30	5	2.05	.07	1.08	1	4
A 105421	1	15	7	38	.1	4	9	421	3.58	2	5	ND	3	141	.2	2	2	173	1.54	.073	15	8	.68	87	.22	2	1.08	.08	.59	1	5
A 105422	1	51	5	40	.1	20	16	482	3.73	2	5	ND	3	76	.2	2	2	136	2.40	.074	7	46	1.61	84	.23	2	2.31	.45	.71	1	5
A 105423	1	71	3	28	.2	22	15	345	3.32	2	5	ND	2	32	.2	2	2	113	1.73	.039	4	49	1.47	77	.23	3	1.65	.14	.66	1	8
A 105424	1	33	2	34	.1	24	14	581	3.43	2	5	ND	6	58	.2	2	2	115	3.94	.051	9	71	1.66	57	.23	2	1.71	.10	.76	1	1
A 105425	1	32	4	25	.1	26	14	311	2.69	2	5	ND	1	57	.3	2	2	97	1.78	.078	4	72	1.77	82	.24	2	1.84	.18	.75	1	2
A 105426	1	161	3	18	.2	29	21	268	2.97	2	5	ND	1	201	.2	2	2	98	2.05	.083	4	85	1.37	49	.21	3	2.19	.26	.46	1	4
A 105427	1	49	2	19	.1	23	13	240	1.97	2	5	ND	1	425	.4	2	2	69	2.42	.076	3	59	1.33	54	.19	3	2.17	.22	.32	1	2
A 105428	1	28	3	34	.2	21	13	410	3.24	2	5	ND	2	67	.3	2	2	100	2.19	.047	6	57	1.66	57	.23	3	1.90	.09	.57	1	5
A 105429	1	13	2	36	.1	20	13	420	3.83	2	5	ND	1	102	.2	2	2	123	1.57	.062	7	56	1.58	75	.24	2	1.76	.16	.70	1	4
A 105430	1	77	6	28	.1	29	14	342	2.72	2	5	ND	4	25	.2	2	2	94	1.38	.034	5	81	1.82	94	.23	2	1.70	.12	1.10	1	2
A 105431	1	50	5	26	.2	32	15	295	2.52	2	5	ND	1	32	.2	2	2	88	1.39	.050	3	70	2.02	113	.25	5	1.90	.13	1.05	1	3
A 105432	1	56	3	34	.1	24	15	395	4.08	2	5	ND	1	138	.2	2	2	127	1.20	.072	6	64	1.54	103	.28	33	1.89	.13	1.11	1	8
A 105433	1	121	5	26	.1	20	18	355	4.84	3	5	ND	1	174	.2	2	2	139	1.52	.106	6	49	1.17	105	.26	7	1.85	.14	.78	1	4
A 105434	1	186	7	19	.4	32	22	294	2.95	6	5	ND	1	71	.3	2	2	89	2.34	.068	4	65	1.42	31	.20	5	2.02	.17	.23	1	4
A 105435	10	115	2	23	.3	42	20	317	3.10	4	5	ND	1	82	.3	2	2	108	2.77	.086	4	111	1.37	33	.21	2	1.89	.17	.26	1	6
A 105436	1	122	3	18	.2	37	15	344	2.41	4	5	ND	1	79	.3	2	2	77	2.46	.061	3	110	1.50	45	.15	4	1.77	.17	.22	1	3
A 105437	1	85	3	30	.1	36	17	375	3.77	2	5	ND	1	122	.2	2	2	125	2.42	.056	5	117	1.80	82	.25	2	2.04	.14	.61	1	5
RE A 105433	1	123	5	26	.1	21	18	355	4.82	2	5	ND	1	175	.2	2	2	139	1.53	.107	7	49	1.18	107	.27	5	1.88	.14	.79	1	4
A 105438	1	129	2	25	.1	26	17	330	4.04	3	5	ND	1	56	.2	2	2	131	1.94	.063	4	72	1.49	114	.25	2	1.71	.13	.58	1	1
A 105439	1	131	8	32	.1	33	21	378	4.08	2	5	ND	1	164	.2	2	2	137	2.44	.076	6	80	1.78	107	.27	3	2.20	.11	.84	1	4
A 105440	1	111	2	29	.1	31	18	338	3.58	2	5	ND	1	72	.2	2	2	123	1.96	.062	3	70	1.56	111	.24	4	1.83	.18	.61	1	2
A 105441	1	108	5	28	.1	29	17	321	3.51	2	5	ND	1	87	.2	2	2	125	1.88	.070	4	70	1.52	113	.24	3	1.94	.19	.62	1	9
A 105442	1	84	2	30	.1	27	16	329	3.66	2	5	ND	1	69	.2	2	2	118	2.01	.074	4	72	1.56	95	.23	2	2.05	.18	.47	1	2
A 105443	1	81	5	36	.1	28	16	374	3.68	2	5	ND	1	65	.2	2	2	131	2.35	.072	5	77	1.69	75	.25	3	2.23	.16	.54	1	4
A 105444	1	129	5	21	.1	22	14	254	3.13	2	5	ND	1	78	.3	2	2	110	1.74	.076	3	59	1.04	62	.15	3	1.52	.18	.22	1	12
A 105445	1	111	2	22	.1	18	13	249	2.93	3	5	ND	1	103	.3	2	2	106	1.80	.079	3	47	1.07	64	.15	3	1.57	.16	.18	1	7
A 105446	1	112	3	23	.2	25	15	248	3.21	2	5	ND	1	105	.3	2	2	119	2.01	.073	3	53	1.07	98	.22	5	1.88	.18	.30	1	2
A 105447	1	142	2	20	.1	23	14	241	2.97	2	5	ND	1	134	.2	2	2	101	1.61	.088	3	74	.96	89	.15	2	1.47	.22	.24	1	6
A 105448	1	94	2	19	.1	25	11	267	2.72	2	5	ND	1	81	.2	2	2	97	1.74	.092	3	114	.90	41	.12	2	1.38	.23	.15	1	10
A 105449	1	62	4	25	.2	17	11	340	2.65	2	5	ND	3	37	.2	2	2	98	1.90	.045	6	47	1.03	65	.16	3	1.12	.14	.33	1	5
A 105450	1	82	6	32	.1	25	16	395	4.04	2	5	ND	1	77	.2	2	2	132	1.98	.090	4	67	1.66	128	.26	2	1.83	.20	.64	1	5
A 105451	1	119	2	33	.1	23	16	378	4.24	2	5	ND	1	93	.2	2	2	133	1.67	.091	3	59	1.63	171	.24	2	1.86	.21	.68	1	7
A 105452	1	129	2	27	.2	29	16	371	3.64	2	5	ND	1	134	.2	2	2	119	2.09	.086	5	90	1.70	86	.21	2	1.77	.19	.34	1	12
A 105453	1	74	5	22	.1	21	13	334	3.24	2	5	ND	1	81	.2	2	2	111	1.85	.053	3	48	1.64	72	.21	3	2.01	.21	.30	1	3
A 105454	1	116	2	23	.2	19	15	324	3.78	2	5	ND	1	269	.3	2	2	134	2.21	.070	3	42	1.33	85	.22	7	2.34	.25	.43	1	2
STANDARD C/AU-R	18	59	40	135	7.1	73	33	1053	4.00	62	17	6	35	52	18.7	16	18	54	.49	.093	36	58	.89	183	.09	34	1.90	.06	.15	11	490

Sample type: CORE. Samples beginning 'RE' are duplicate samples.

Golden Rule Resources Ltd. PROJECT GR-BC-51 FILE # 91-5357

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb
A 105455	1	90	2	29	.1	22	17	353	4.30	2	5	ND	1	209	.2	2	2	150	2.52	.066	3	33	1.35	106	.23	6	2.77	.23	.50	1	2
A 105456	1	57	4	27	.1	11	13	385	4.17	2	5	ND	1	405	.2	2	2	130	2.19	.092	6	25	.81	49	.21	3	2.35	.27	.31	1	11
A 105457	1	68	7	23	.2	15	12	323	3.65	2	5	ND	1	702	.2	2	2	136	3.53	.070	3	29	.76	68	.14	6	4.41	.55	.18	1	13
A 105458	1	71	4	29	.1	16	14	346	4.04	2	5	ND	1	289	.2	2	2	147	2.34	.065	2	29	.92	133	.23	3	2.97	.40	.32	1	19
A 105459	1	42	5	40	.1	16	13	475	3.61	3	5	ND	4	171	.2	2	2	152	2.81	.073	6	33	1.30	54	.19	6	2.46	.22	.30	1	2
A 105460	1	192	2	38	.1	20	18	475	4.13	2	5	ND	1	75	.2	2	2	152	2.24	.062	5	32	1.69	108	.24	5	2.14	.19	.71	1	4
A 105461	1	56	5	51	.1	28	22	661	5.00	2	5	ND	1	81	.2	2	2	170	1.94	.051	5	47	2.67	144	.28	3	2.74	.21	1.34	1	1
A 105462	1	108	5	49	.1	31	26	671	5.54	2	5	ND	1	60	.2	2	2	183	1.82	.047	4	54	2.84	174	.33	2	2.67	.14	1.60	1	2
A 105463	1	11	6	23	.1	4	4	307	1.72	2	5	ND	6	44	.2	2	2	80	2.70	.009	8	8	.25	16	.07	3	.37	.07	.19	1	2
A 105464	1	89	5	46	.1	21	17	877	5.05	2	5	ND	1	52	.2	2	2	146	4.19	.048	9	56	1.59	55	.23	2	1.66	.13	.63	1	10
A 105465	1	90	4	50	.1	17	17	746	3.64	2	5	ND	4	46	.2	2	2	116	2.90	.035	10	38	1.10	28	.10	5	1.24	.06	.56	1	5
A 105466	1	8	2	45	.1	4	7	498	2.84	2	5	ND	6	65	.2	2	2	184	1.51	.039	15	5	.22	16	.04	3	.58	.85	.16	1	3
A 105467	1	5	2	19	.1	2	3	239	1.33	2	5	ND	13	29	.2	2	2	55	.60	.007	12	3	.10	7	.02	2	.32	.07	.14	1	4
A 105468	1	15	7	20	.2	3	3	340	1.16	3	5	ND	13	50	.2	3	2	50	1.85	.016	10	19	.18	10	.04	5	.74	.11	.11	1	1
A 105469	1	11	2	37	.1	3	6	430	2.47	2	5	ND	11	64	.2	2	2	93	1.30	.026	14	5	.20	18	.05	4	.45	.05	.16	1	1
A 105470	1	185	3	61	.1	7	11	627	4.13	4	5	ND	3	91	.3	2	2	144	2.64	.049	16	5	.28	32	.04	3	.60	.05	.18	1	4
E 199001	1	89	2	31	.1	14	10	275	2.51	2	5	ND	1	283	.2	2	2	85	2.00	.091	4	43	.96	103	.22	2	2.44	.26	.48	1	7
E 199002	1	99	6	26	.2	13	9	279	2.33	3	5	ND	1	217	.2	2	2	82	2.26	.107	4	40	.87	70	.22	4	2.48	.29	.35	1	7
E 199003	1	102	3	24	.1	13	8	273	2.70	2	5	ND	1	180	.2	2	2	96	2.23	.107	4	49	.74	49	.22	2	2.25	.27	.22	1	1
E 199004	3	103	2	23	.1	13	9	260	2.43	2	5	ND	1	180	.2	2	2	85	2.11	.104	4	42	.82	49	.20	2	2.02	.24	.26	1	5
E 199005	1	125	5	19	.1	11	7	218	2.11	2	5	ND	1	199	.2	2	2	83	2.15	.120	4	40	.71	40	.19	2	1.72	.21	.15	1	22
E 199006	1	96	6	28	.2	14	9	294	2.69	2	5	ND	1	306	.2	2	2	96	2.78	.096	4	45	.95	60	.23	4	2.34	.26	.23	1	2
E 199007	3	74	2	37	.2	17	11	412	2.87	2	5	ND	1	175	.2	2	2	95	3.71	.102	5	54	1.44	27	.21	4	1.97	.14	.12	1	3
E 199008	1	108	3	28	.1	14	9	278	2.54	2	5	ND	1	157	.2	2	2	92	2.21	.103	4	49	1.08	45	.24	5	2.26	.24	.25	1	1
E 199009	1	117	2	28	.1	15	10	296	2.48	2	5	ND	1	142	.2	2	2	86	2.21	.094	4	46	.95	98	.24	2	2.67	.32	.54	1	2
E 199010	1	95	7	17	.2	10	6	237	1.75	2	5	ND	1	129	.2	2	2	78	2.27	.131	5	38	.62	32	.22	2	2.03	.28	.14	1	19
E 199011	2	65	6	31	.2	16	9	385	1.91	2	5	ND	1	123	.2	2	2	78	2.70	.106	4	46	.94	46	.22	4	2.15	.26	.19	1	11
E 199012	2	43	6	29	.1	11	9	969	3.02	7	5	ND	1	76	.2	2	2	95	5.61	.123	3	40	.89	13	.16	9	2.10	.09	.07	1	1
E 199013	2	84	4	32	.1	16	10	313	2.26	2	5	ND	1	85	.2	2	2	86	1.73	.080	4	48	1.02	40	.24	2	1.66	.19	.36	1	6
E 199014	1	71	2	22	.2	14	8	275	1.93	2	5	ND	1	79	.2	2	2	75	1.58	.081	4	51	.83	35	.23	2	1.68	.21	.35	1	1
E 199015	1	86	2	24	.1	16	9	294	2.11	2	5	ND	1	80	.2	2	2	78	1.60	.079	4	58	.86	46	.23	2	1.55	.18	.38	1	2
RE E 199011	2	61	3	29	.2	15	9	376	1.83	2	5	ND	1	119	.2	2	2	76	2.61	.104	4	46	.91	40	.21	5	2.06	.24	.18	1	6
E 199016	1	83	2	26	.1	17	9	290	2.14	4	5	ND	1	102	.2	2	2	75	1.66	.076	4	49	.94	52	.24	2	1.88	.23	.52	1	3
E 199017	1	88	6	25	.2	22	11	280	1.83	2	5	ND	1	115	.2	2	2	69	1.81	.080	4	47	.85	56	.23	3	2.01	.27	.37	1	1
E 199018	1	78	2	38	.2	27	14	360	2.75	2	5	ND	1	114	.2	2	2	95	1.97	.085	4	65	1.42	83	.26	3	2.39	.25	.89	1	5
E 199019	1	82	3	35	.1	21	12	791	2.54	3	5	ND	1	137	.2	2	2	88	7.23	.070	4	58	1.29	31	.21	2	1.89	.18	.32	2	7
E 199020	1	128	6	26	.2	20	12	388	2.29	2	5	ND	1	171	.2	2	2	89	3.23	.081	4	53	.96	39	.22	4	2.30	.27	.20	1	10
STANDARD C/AU-R	20	59	42	131	6.9	69	34	1051	3.93	42	17	7	35	53	18.8	15	19	56	.48	.091	38	58	.88	175	.09	34	1.87	.06	.15	11	460

Sample type: CORE. Samples beginning 'RE' are duplicate samples.

Golden Rule Resources Ltd. PROJECT GR-BC-51 FILE # 91-5357

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb
E 199021	1	62	7	30	.1	18	9	319	2.06	2	5	ND	1	143	.2	2	2	80	2.58	.069	4	50	1.09	65	.21	3	3.16	.35	.32	1	9
E 199022	4	66	2	50	.1	28	16	470	3.33	2	5	ND	2	107	.2	2	2	113	3.06	.070	5	64	1.92	33	.23	3	2.96	.20	.36	1	3
E 199023	1	93	2	25	.1	14	9	401	1.99	2	5	ND	1	155	.2	2	2	72	3.25	.079	4	46	.99	38	.19	3	2.75	.30	.14	1	12
E 199024	1	98	2	22	.1	15	8	388	1.86	2	5	ND	1	187	.2	2	2	73	4.13	.084	4	40	.72	27	.17	3	2.32	.30	.09	1	22
E 199025	5	51	9	42	.1	19	12	773	3.43	2	5	ND	1	84	.2	2	3	112	4.76	.059	3	38	1.38	33	.20	2	2.59	.21	.50	1	8
E 199026	1	45	2	25	.1	20	11	302	1.87	2	5	ND	1	84	.2	2	2	60	2.07	.054	3	37	1.05	24	.19	2	2.37	.31	.36	1	3
E 199027	1	84	3	25	.1	16	11	384	2.11	4	5	ND	1	149	.2	2	2	69	3.10	.099	4	40	.97	27	.17	3	2.98	.37	.14	2	18
E 199028	1	58	2	28	.1	14	8	402	2.22	2	5	ND	1	149	.2	2	2	81	2.69	.089	4	42	.87	35	.18	2	2.38	.37	.17	1	7
E 199029	1	118	2	38	.2	16	10	468	2.43	7	5	ND	2	172	.2	2	2	96	3.93	.083	3	43	.89	20	.19	3	2.85	.25	.08	1	15
E 199030	1	230	2	49	.2	21	15	584	3.11	10	5	ND	1	124	.2	2	2	116	3.59	.085	3	58	1.15	56	.22	2	3.35	.36	.28	1	32
E 199031	1	100	2	59	.1	19	14	419	2.31	2	5	ND	1	148	.2	2	2	95	3.16	.088	3	59	1.40	118	.20	2	4.66	.40	.47	1	12
E 199032	1	143	2	52	.1	19	16	411	2.29	3	5	ND	1	167	.2	2	2	98	3.28	.102	3	52	1.20	99	.21	2	4.32	.48	.46	1	21
E 199033	1	686	2	32	.3	15	15	324	1.88	6	5	ND	1	175	.2	2	2	66	3.55	.093	3	38	.60	35	.17	3	3.85	.42	.08	3	6
E 199034	1	720	2	37	.6	17	14	345	2.08	4	5	ND	1	138	.2	2	2	84	2.93	.087	3	40	.66	49	.18	3	2.82	.27	.15	1	66
E 199035	1	864	2	47	.7	20	13	374	2.39	7	5	ND	1	122	.2	2	2	94	2.66	.093	3	42	.77	62	.20	3	2.51	.33	.21	1	65
E 199036	1	153	2	30	.1	14	8	389	2.19	9	5	ND	1	165	.2	3	2	98	2.95	.097	3	38	.63	44	.20	3	2.78	.38	.12	1	15
E 199037	1	71	2	26	.1	11	6	549	2.21	7	5	ND	2	119	.2	2	2	97	3.67	.093	3	33	.80	35	.19	5	2.47	.27	.07	1	10
E 199038	1	86	2	32	.1	14	8	467	2.22	6	5	ND	1	145	.2	2	2	104	3.31	.096	3	39	.80	47	.21	4	2.65	.35	.13	2	12
E 199039	1	61	3	32	.1	17	8	407	2.23	3	5	ND	1	131	.2	2	2	100	2.99	.092	4	45	.77	50	.22	3	2.46	.34	.18	1	11
E 199040	1	134	2	30	.1	15	11	350	2.63	4	5	ND	1	79	.2	2	2	97	2.02	.087	4	33	.88	37	.23	2	1.72	.24	.19	1	9
E 199041	1	138	35	23	.1	12	10	286	2.44	2	5	ND	1	181	.2	2	2	93	2.06	.079	4	26	.73	65	.22	2	2.19	.32	.21	1	7
E 199042	1	81	2	28	.1	12	9	316	2.53	2	5	ND	2	170	.2	2	2	94	2.24	.083	4	27	.88	59	.22	2	2.56	.34	.36	1	4
E 199043	1	67	2	25	.1	12	9	292	2.29	2	5	ND	2	196	.2	2	2	82	2.13	.073	4	24	.82	50	.20	2	2.16	.23	.16	1	3
E 199044	1	110	2	21	.1	13	8	291	2.20	2	5	ND	1	130	.2	2	2	92	2.18	.092	5	29	.74	50	.23	3	1.84	.24	.29	1	8
E 199045	1	93	2	27	.1	13	9	305	2.59	2	5	ND	1	133	.2	2	2	100	1.93	.087	5	32	.87	64	.26	3	2.15	.33	.36	1	7
E 199046	1	83	2	30	.1	16	10	356	2.33	2	5	ND	2	248	.2	2	2	90	2.60	.072	4	37	1.11	55	.26	2	2.41	.26	.40	1	5
E 199047	1	93	2	21	.1	16	9	289	2.20	3	5	ND	1	257	.2	2	2	91	2.40	.068	4	37	.79	38	.21	3	2.56	.34	.23	1	9
E 199048	1	94	2	36	.1	24	14	637	2.67	14	5	ND	2	113	.2	2	2	98	3.69	.085	4	30	.90	25	.20	6	2.17	.16	.12	1	8
E 199049	1	139	2	48	.1	25	15	1477	4.19	13	5	ND	1	79	.2	2	2	112	8.00	.093	3	37	.99	17	.14	10	2.42	.08	.07	1	17
E 199050	1	1373	2	52	.9	20	18	1531	5.81	7	5	ND	1	90	.2	2	2	127	5.75	.091	3	27	.77	12	.16	3	2.20	.09	.08	1	85
E 199051	1	114	2	38	.1	14	12	1023	2.92	10	5	ND	1	103	.2	2	2	98	5.09	.086	3	24	.84	12	.17	8	1.91	.06	.06	1	10
E 199052	1	1098	2	69	1.0	19	17	1257	3.88	10	5	ND	1	84	.4	2	2	111	4.24	.092	3	25	.93	17	.17	6	2.40	.11	.10	2	38
E 199053	1	478	2	81	.6	17	14	1056	3.53	8	5	ND	1	105	.3	2	2	111	3.78	.096	2	24	.97	19	.20	6	2.56	.17	.17	1	32
RE E 199049	1	143	2	51	.1	24	15	1528	4.40	14	5	ND	1	80	.2	2	2	116	8.09	.097	3	36	1.01	13	.15	9	2.52	.09	.07	1	15
E 199054	1	110	2	62	.1	16	13	871	2.88	6	5	ND	1	101	.2	2	2	118	3.65	.093	2	23	.83	27	.20	4	2.36	.18	.14	1	11
E 199055	1	202	2	66	.1	14	15	735	3.13	4	5	ND	1	63	.4	2	2	117	2.89	.098	3	19	1.01	35	.23	2	1.96	.19	.40	1	18
E 199056	1	173	2	62	.1	15	13	734	3.12	4	5	ND	2	60	.2	2	2	122	3.12	.093	3	21	1.06	27	.22	3	1.89	.20	.23	1	8
STANDARD C/AU-R	18	59	40	132	7.3	73	33	1054	3.96	42	16	6	35	52	18.6	15	19	55	.48	.090	37	58	.88	176	.09	31	1.92	.07	.16	11	470

Sample type: CORE. Samples beginning 'RE' are duplicate samples.

ACME ANALYTICAL

Golden Rule Resources Ltd. PROJECT GR-BC-51 FILE # 91-5357

ACME ANALYTICAL

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb
E 199057	1	111	2	64	.1	15	15	677	3.86	2	5	ND	1	75	.2	2	2	146	3.02	.104	4	23	1.23	42	.25	6	2.21	.16	.60	1	3
E 199058	1	131	2	56	.1	20	18	548	4.02	3	5	ND	1	53	.2	2	2	153	2.13	.083	3	30	1.43	67	.26	3	2.06	.19	.62	1	14
E 199059	1	85	3	44	.1	18	15	541	3.78	2	5	ND	1	94	.2	2	2	144	3.32	.080	3	31	1.24	65	.25	3	2.05	.14	.58	2	6
E 199060	1	127	2	64	.1	16	14	585	3.90	3	5	ND	1	59	.2	2	2	140	2.34	.094	4	24	1.24	45	.24	6	1.96	.21	.56	1	17
E 199061	1	203	2	62	.1	16	14	634	3.94	3	5	ND	1	69	.2	2	2	129	2.85	.105	4	23	1.26	39	.23	2	2.18	.23	.47	1	13
E 199062	1	175	2	51	.1	18	14	879	3.54	2	5	ND	1	56	.2	2	2	136	4.07	.105	3	28	1.07	26	.23	3	1.98	.16	.18	1	10
E 199063	1	162	2	48	.2	14	13	781	3.25	2	5	ND	1	74	.2	2	2	114	3.91	.099	3	24	.95	20	.22	6	2.10	.12	.13	1	7
RE E 199067	1	120	2	70	.1	18	16	698	3.41	5	5	ND	1	115	.2	2	2	112	3.73	.101	5	25	1.50	21	.22	4	1.97	.15	.17	1	9
E 199064	1	133	2	75	.1	15	15	1020	4.46	2	5	ND	1	79	.2	2	2	137	3.94	.109	4	21	1.14	40	.23	7	2.73	.21	.23	1	9
E 199065	1	136	2	90	.2	17	16	776	3.98	4	5	ND	1	78	.2	2	2	134	3.55	.108	3	24	1.16	37	.23	5	2.53	.25	.43	1	15
E 199066	1	152	2	84	.1	17	16	690	4.15	4	5	ND	1	81	.2	2	2	142	3.21	.099	4	23	1.23	36	.25	5	2.41	.30	.47	1	3
E 199067	1	123	2	73	.1	20	17	732	3.57	4	5	ND	1	118	.2	2	2	117	3.89	.106	5	27	1.56	21	.23	6	2.04	.15	.18	1	7
E 199068	1	118	2	54	.1	14	13	477	3.35	4	5	ND	1	82	.3	2	2	135	2.42	.104	5	25	1.30	17	.25	4	1.64	.15	.14	1	1
E 199069	1	85	4	43	.1	15	14	469	3.17	2	5	ND	1	55	.2	2	2	120	2.28	.101	5	23	1.59	24	.26	6	1.53	.14	.16	1	3
E 199070	6	1616	3	81	.7	20	24	885	5.34	14	5	ND	1	48	.2	2	3	150	5.89	.076	9	39	2.27	7	.22	2	2.06	.10	.06	6	51
E 199071	10	265	2	68	.2	23	47	729	6.94	8	5	ND	1	50	.2	2	2	144	3.84	.066	9	34	1.75	7	.20	3	1.70	.09	.07	1	21
E 199072	2	57	2	56	.1	22	21	576	4.29	3	5	ND	1	86	.2	2	2	130	2.23	.064	5	25	1.80	11	.23	3	1.80	.19	.11	1	6
E 199073	1	83	2	54	.1	17	16	660	3.90	2	5	ND	1	49	.2	2	2	125	3.26	.079	5	25	1.80	15	.24	4	1.69	.20	.13	1	5
E 199074	1	118	2	70	.1	22	20	845	4.50	2	5	ND	1	51	.2	2	2	138	3.86	.070	5	36	2.23	16	.26	4	1.91	.16	.12	1	6
E 199075	1	120	2	46	.1	23	21	583	4.10	2	5	ND	1	64	.2	2	2	137	2.58	.081	4	29	1.89	36	.27	3	1.75	.15	.19	1	3
E 199076	1	229	2	67	.2	20	18	836	4.39	4	5	ND	1	63	.2	2	2	131	3.64	.081	3	32	1.99	38	.24	6	2.24	.24	.24	1	10
E 199077	1	161	4	66	.1	19	16	767	3.98	2	5	ND	1	73	.2	2	2	122	3.10	.084	3	29	1.49	39	.22	6	2.42	.29	.25	1	11
E 199078	1	125	19	50	.1	22	18	546	4.05	2	5	ND	1	55	.2	2	2	144	2.31	.073	4	34	1.77	47	.26	2	1.99	.27	.25	1	6
E 199079	1	103	2	34	.2	21	17	488	3.07	3	5	ND	1	32	.2	2	2	107	2.13	.062	4	31	1.63	23	.23	5	1.43	.21	.13	1	4
E 199080	1	101	2	37	.1	19	16	516	3.44	2	5	ND	1	37	.2	2	2	117	2.21	.065	4	29	1.83	52	.24	3	1.67	.24	.20	1	8
E 199081	1	109	3	61	.1	16	15	929	4.63	4	5	ND	1	98	.2	2	2	133	3.62	.083	3	26	1.76	24	.22	4	2.16	.22	.19	1	5
E 199082	1	346	2	59	.1	16	23	1753	6.92	5	5	ND	1	91	.2	2	2	111	6.76	.103	2	25	1.44	12	.12	6	2.48	.10	.11	1	5
E 199083	1	52	2	43	.1	10	11	964	3.86	9	5	ND	1	132	.2	2	2	88	4.33	.074	2	27	.97	13	.18	4	2.15	.13	.05	2	5
E 199084	1	59	2	41	.1	11	9	641	2.66	9	5	ND	1	113	.2	2	2	84	4.00	.071	2	24	.76	23	.20	6	2.38	.19	.11	2	8
E 199085	7	152	2	37	.1	17	16	544	3.29	3	5	ND	1	65	.2	2	2	126	2.20	.072	4	26	1.30	89	.26	5	1.62	.15	.48	1	5
E 199086	35	123	2	45	.1	19	16	575	3.36	2	5	ND	1	55	.2	2	2	121	2.74	.071	4	32	1.50	62	.27	6	1.74	.16	.28	1	7
E 199087	1	117	2	35	.1	19	18	593	3.33	3	5	ND	1	80	.2	2	2	124	3.18	.065	3	30	1.48	24	.25	2	1.72	.18	.16	1	5
E 199088	2	92	2	46	.1	14	15	513	3.54	2	5	ND	1	66	.2	2	2	123	2.07	.101	4	24	1.35	64	.25	6	1.61	.14	.31	1	5
E 199089	1	83	3	88	.1	4	13	855	5.31	5	5	ND	1	78	.2	2	2	139	2.35	.234	6	12	1.41	40	.22	2	1.92	.12	.32	1	8
E 199090	1	154	6	53	.1	19	18	656	3.96	4	5	ND	1	123	.2	2	2	124	3.72	.079	4	29	1.63	41	.26	4	2.27	.16	.36	1	9
E 199091	1	94	2	36	.1	19	15	449	2.96	6	5	ND	1	110	.2	2	2	105	1.82	.064	3	39	1.44	55	.28	2	1.76	.14	.54	1	8
E 199092	1	96	5	26	.2	16	12	412	2.29	2	5	ND	1	128	.2	2	2	94	3.08	.070	4	33	1.22	19	.25	4	2.15	.16	.17	1	7
STANDARD C/AU-R	19	63	35	133	7.2	73	34	1061	3.98	41	17	7	35	53	18.8	16	18	56	.49	.090	36	59	.89	178	.09	34	1.90	.06	.15	13	460

Sample type: CORE. Samples beginning 'RE' are duplicate samples.

ACME ANALYTICAL

Golden Rule Resources Ltd. PROJECT GR-BC-51 FILE # 91-5357

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb
E 199093	1	68	4	50	.1	14	10	491	2.75	6	5	ND	1	132	.2	2	2	106	4.50	.118	4	33	1.12	24	.20	3	2.14	.19	.16	2	3
E 199094	1	83	2	51	.3	16	12	509	3.19	4	5	ND	1	243	.2	2	2	114	3.59	.147	6	38	1.52	31	.22	6	2.49	.26	.18	1	10
E 199095	2	95	3	35	.1	17	11	413	2.65	4	5	ND	1	182	.2	2	2	98	3.34	.147	5	37	1.24	33	.22	2	1.99	.21	.15	1	8
E 199096	1	149	2	26	.1	21	14	380	2.52	3	5	ND	1	184	.2	2	2	95	3.20	.145	6	42	1.05	38	.23	3	2.04	.24	.22	1	1
E 199097	1	140	4	26	.1	16	13	331	2.53	3	5	ND	1	203	.2	2	2	96	2.83	.164	6	35	.89	42	.23	3	1.95	.21	.28	1	2
E 199098	1	132	2	24	.1	12	9	306	2.38	2	5	ND	1	286	.2	2	2	94	2.64	.140	6	33	.83	46	.23	2	2.02	.24	.29	1	2
E 199099	1	144	3	27	.1	15	12	318	2.63	2	5	ND	1	348	.2	2	2	99	2.71	.132	5	39	.93	44	.23	2	2.12	.22	.27	1	5
E 199100	1	112	3	29	.1	15	11	338	2.62	2	5	ND	1	294	.2	2	2	100	2.74	.181	6	36	1.06	39	.23	5	1.87	.18	.21	1	6
E 199101	1	86	3	32	.1	14	10	389	2.89	2	5	ND	1	165	.2	2	2	99	2.95	.112	5	39	1.21	26	.23	3	2.17	.17	.22	1	3
E 199102	1	119	2	22	.1	13	9	273	2.21	2	5	ND	1	151	.2	2	2	88	2.42	.145	5	34	.81	37	.22	3	1.93	.23	.26	1	3
E 199103	1	178	2	31	.1	16	13	406	3.17	3	5	ND	1	230	.2	2	2	108	2.85	.135	6	44	1.26	39	.23	3	2.08	.19	.23	1	10
E 199104	1	173	5	31	.1	23	15	446	3.10	2	5	ND	1	145	.2	2	2	100	3.03	.107	5	49	1.46	32	.24	2	2.27	.22	.23	1	6
E 199105	1	149	4	22	.1	22	14	348	2.37	2	5	ND	1	138	.2	2	2	87	2.21	.086	4	49	1.23	31	.25	3	1.65	.16	.39	1	4
E 199106	2	111	3	21	.1	18	10	286	2.05	2	5	ND	1	96	.2	2	2	79	1.74	.066	3	50	1.20	30	.24	3	1.63	.19	.32	1	9
E 199107	1	63	4	31	.1	18	11	334	2.51	2	5	ND	1	113	.2	2	2	83	1.93	.065	4	53	1.41	55	.24	2	2.19	.19	.61	1	1
E 199108	1	102	2	28	.1	16	11	332	2.68	2	5	ND	1	123	.2	2	2	95	1.79	.073	3	41	1.41	41	.24	2	1.59	.17	.30	1	14
E 199109	1	132	2	46	.1	22	14	455	3.68	4	5	ND	1	64	.2	2	2	124	2.23	.085	5	50	1.91	61	.27	3	2.03	.11	.59	1	5
E 199110	3	82	2	39	.1	31	14	394	3.22	3	5	ND	1	46	.2	2	2	98	1.67	.070	4	63	1.94	83	.28	3	1.85	.12	.55	1	1
E 199111	1	97	2	40	.1	30	15	397	3.32	2	5	ND	1	43	.2	2	2	97	1.64	.071	4	56	1.91	244	.30	4	1.90	.15	.71	1	1
E 199112	1	128	3	39	.1	33	15	415	3.33	3	5	ND	1	50	.2	2	2	97	1.62	.073	4	54	2.11	383	.28	2	2.14	.18	.80	1	1
E 199113	1	129	4	39	.1	41	18	416	3.47	3	5	ND	1	44	.2	2	2	105	1.74	.079	4	60	2.28	278	.27	3	2.03	.16	.65	1	2
E 199114	1	112	5	36	.1	47	17	380	3.20	2	5	ND	1	66	.2	2	2	106	2.08	.083	4	59	2.03	222	.26	4	1.99	.15	.51	1	4
E 199115	1	151	4	42	.1	55	20	548	3.16	5	5	ND	1	71	.2	2	2	84	2.89	.070	3	73	2.35	71	.24	2	1.98	.14	.19	1	1
E 199116	1	209	5	64	.1	38	20	609	3.78	2	5	ND	1	30	.2	2	2	98	2.02	.065	3	47	2.05	370	.26	3	1.94	.27	.56	1	3
RE E 199112	1	121	2	38	.2	32	14	402	3.22	2	5	ND	1	48	.2	2	2	94	1.56	.073	4	52	2.04	373	.27	6	2.04	.17	.78	1	1
E 199117	1	106	2	49	.1	33	17	582	3.29	2	5	ND	1	31	.2	2	2	99	2.17	.069	4	43	1.89	233	.24	2	1.74	.24	.60	1	3
E 199118	1	221	2	57	.1	28	15	1099	3.46	2	5	ND	1	109	.2	2	2	86	4.17	.086	2	43	1.04	54	.13	6	2.64	.21	.14	1	1
E 199119	1	331	2	59	.1	32	17	1172	3.78	2	5	ND	1	65	.2	2	2	100	4.27	.082	2	47	1.05	38	.15	6	2.43	.14	.11	1	3
E 199120	1	220	4	74	.1	34	15	916	3.43	2	5	ND	1	110	.2	2	2	96	3.70	.085	3	36	1.20	647	.20	6	2.60	.32	.22	1	2
E 199121	1	152	2	66	.1	36	16	735	3.53	2	5	ND	1	68	.2	2	2	107	3.01	.090	3	43	1.48	109	.22	4	2.17	.27	.27	1	2
E 199122	1	271	3	68	.2	34	16	909	3.91	2	5	ND	1	97	.2	2	2	121	4.34	.100	3	47	1.84	69	.23	6	2.61	.21	.19	1	10
E 199123	1	287	5	85	.3	42	18	692	3.75	2	5	ND	1	62	.2	2	2	110	2.72	.088	4	52	1.95	109	.24	4	2.14	.28	.32	1	15
E 199124	1	78	2	74	.1	54	22	609	3.97	2	5	ND	1	44	.2	2	2	117	2.22	.072	4	59	2.24	194	.27	5	2.16	.29	.66	1	3
E 199125	1	80	2	46	.1	49	18	495	3.35	2	5	ND	1	42	.2	2	2	102	2.10	.071	4	58	1.94	210	.25	4	1.85	.27	.63	1	6
E 199126	1	62	2	82	.1	44	16	576	3.24	3	5	ND	1	45	.2	2	2	91	2.68	.077	3	49	1.66	117	.21	3	2.04	.33	.33	1	2
E 199127	1	94	2	70	.2	41	15	532	2.87	2	5	ND	1	50	.2	2	2	80	2.61	.066	3	44	1.46	80	.16	5	1.78	.35	.20	1	5
E 199128	1	127	3	56	.2	52	18	589	3.62	3	5	ND	1	41	.2	2	2	99	3.14	.064	3	58	1.76	67	.22	3	1.78	.38	.21	1	5
STANDARD C/AU-R	19	61	43	135	7.0	72	33	1056	3.99	41	18	8	36	53	18.5	15	17	56	.49	.090	37	58	.89	177	.09	34	1.91	.06	.15	13	470

Sample type: CORE. Samples beginning 'RE' are duplicate samples.

ACME ANALYTICAL

Golden Rule Resources Ltd. PROJECT GR-BC-51 FILE # 91-5357

ACME ANALYTICAL

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb
E 199129	1	74	3	42	.1	38	14	452	2.52	2	5	ND	1	52	.2	2	2	79	2.65	.068	3	44	1.33	80	.13	6	1.68	.31	.15	1	6
E 199130	1	80	5	40	.1	45	17	503	2.82	5	5	ND	1	92	.2	2	2	80	2.86	.069	3	47	1.53	143	.16	2	1.80	.36	.16	1	1
E 199131	1	89	4	41	.1	38	15	485	2.71	3	5	ND	1	52	.2	2	2	81	3.32	.066	3	45	1.45	87	.16	5	1.73	.32	.17	1	12
E 199132	1	177	5	54	.1	44	17	668	3.21	2	5	ND	1	65	.2	2	2	82	5.19	.060	3	51	1.69	79	.16	3	1.63	.29	.19	1	2
E 199133	1	82	4	61	.1	40	14	600	2.92	2	5	ND	1	97	.2	2	2	83	4.30	.074	2	48	1.43	100	.13	8	1.93	.25	.16	1	4
E 199134	1	177	3	70	.1	44	16	658	3.32	6	5	ND	1	82	.2	2	2	91	4.41	.080	3	65	1.57	59	.18	4	2.16	.22	.17	1	1
E 199135	1	87	4	53	.1	48	18	561	2.98	4	5	ND	1	49	.2	2	2	90	2.82	.080	3	60	1.50	136	.22	4	1.80	.22	.30	1	7
E 199136	1	103	3	33	.1	50	17	398	2.87	3	5	ND	1	40	.2	2	2	89	2.28	.072	3	75	1.52	176	.22	5	1.50	.17	.50	1	6
E 199137	1	76	4	26	.1	37	13	326	2.33	3	5	ND	1	71	.2	2	2	81	2.08	.066	2	62	1.25	148	.20	2	1.36	.19	.31	1	1
E 199138	1	164	5	35	.2	37	17	377	2.64	2	5	ND	1	55	.2	2	2	85	2.48	.078	3	55	1.34	105	.20	5	1.63	.16	.26	1	9
E 199139	1	94	4	35	.1	46	18	375	2.93	4	5	ND	1	37	.2	2	2	89	1.78	.062	3	69	1.68	166	.22	3	1.65	.17	.50	1	6
E 199140	2	133	2	37	.1	47	19	370	3.37	3	5	ND	1	38	.2	2	2	95	1.45	.073	4	66	1.86	289	.25	2	1.87	.16	.66	1	6
E 199141	1	110	2	31	.1	57	16	317	2.33	3	5	ND	1	32	.2	2	2	71	1.45	.067	3	72	1.66	102	.23	5	1.52	.14	.26	1	4
E 199142	1	116	2	36	.1	53	18	451	3.21	4	5	ND	1	70	.2	2	2	86	2.23	.057	3	76	2.18	64	.23	2	1.94	.16	.21	1	3
E 199143	2	193	2	56	.1	44	18	679	3.88	6	5	ND	1	82	.2	2	2	91	2.71	.081	3	69	2.13	26	.20	6	2.15	.14	.13	1	1
E 199144	1	47	5	57	.1	40	15	703	3.13	6	5	ND	1	91	.2	2	2	85	3.16	.079	3	62	2.03	45	.17	8	2.14	.19	.18	1	5
E 199145	5	71	2	46	.1	33	14	603	2.98	4	5	ND	1	69	.2	2	2	85	3.28	.068	3	50	1.68	63	.22	4	2.00	.17	.21	1	5
RE E 199150	3	69	2	12	.1	21	8	195	1.86	2	5	ND	1	135	.2	2	2	69	2.10	.080	2	46	.83	49	.17	3	2.48	.28	.34	1	5
E 199146	1	82	2	45	.1	32	18	580	3.68	2	5	ND	1	50	.2	2	2	105	2.15	.065	3	56	2.07	60	.26	2	1.88	.13	.16	1	2
E 199147	1	104	2	19	.1	20	10	248	2.28	2	5	ND	1	114	.2	2	2	80	1.93	.077	3	44	.90	55	.19	2	2.11	.26	.21	1	2
E 199148	2	43	2	7	.2	12	11	150	1.52	2	5	ND	1	143	.2	2	2	58	2.14	.064	3	48	.57	27	.15	5	2.32	.28	.15	1	1
E 199149	56	300	5	11	.2	17	26	207	2.13	2	5	ND	1	107	.2	2	2	62	2.32	.074	2	45	.72	33	.14	2	2.06	.24	.28	1	16
E 199150	3	61	2	12	.1	20	8	195	1.89	3	5	ND	1	136	.2	2	2	70	2.09	.080	3	46	.83	51	.17	2	2.47	.29	.35	1	1
E 199151	2	77	2	13	.1	15	8	189	2.09	2	5	ND	1	168	.2	2	2	74	1.97	.071	3	47	.80	37	.19	2	2.64	.29	.39	1	4
E 199152	14	89	2	13	.1	16	10	228	1.99	3	5	ND	1	191	.2	2	2	69	2.48	.071	3	42	.73	33	.18	2	2.06	.21	.25	1	1
E 199153	1	77	2	11	.1	14	9	174	2.04	2	5	ND	1	131	.2	2	2	72	1.82	.079	3	37	.63	37	.19	4	2.07	.26	.22	1	1
E 199154	2	126	2	9	.1	14	9	146	1.48	3	5	ND	1	125	.2	2	2	55	1.78	.069	3	25	.44	26	.15	2	1.81	.25	.11	1	2
E 199155	4	172	2	9	.1	13	10	164	1.64	2	5	ND	1	112	.2	2	2	61	1.73	.078	4	29	.47	29	.19	2	1.48	.21	.12	1	5
E 199156	2	106	3	11	.1	10	7	200	2.49	5	5	ND	1	138	.2	2	2	88	1.90	.089	5	25	.56	50	.19	2	2.02	.28	.16	1	1
E 199157	1	103	2	12	.1	10	7	203	2.62	4	5	ND	1	153	.2	2	2	88	1.62	.086	5	26	.63	44	.20	2	1.91	.25	.26	1	4
E 199158	3	108	2	14	.1	12	9	212	2.85	3	5	ND	1	148	.2	2	3	95	1.70	.095	5	33	.69	54	.22	2	2.06	.27	.30	1	1
E 199159	1	122	2	12	.1	11	8	192	2.73	2	5	ND	1	203	.2	2	3	95	1.74	.100	5	30	.62	56	.22	2	1.90	.24	.29	1	8
E 199160	2	161	2	14	.1	11	8	221	2.89	5	5	ND	1	122	.2	2	2	95	1.73	.102	5	32	.71	54	.22	2	1.69	.23	.28	1	2
E 199161	1	218	2	10	.3	10	9	170	2.60	3	5	ND	1	136	.2	2	2	90	1.67	.094	5	36	.52	61	.18	12	1.70	.24	.24	1	3
E 199162	1	79	2	20	.1	22	10	282	2.85	4	5	ND	1	70	.2	2	2	87	1.45	.065	4	49	1.18	74	.24	4	1.88	.20	.80	1	4
E 199163	1	121	2	22	.1	29	17	302	2.87	3	5	ND	1	52	.2	2	2	93	1.20	.081	4	61	1.31	96	.25	9	1.73	.17	.99	1	4
E 199164	1	97	2	28	.1	39	17	346	3.01	5	5	ND	1	170	.2	2	2	93	1.49	.073	4	73	1.63	147	.26	2	2.30	.20	1.22	1	4
STANDARD C/AU-R	19	59	38	132	6.9	70	33	1044	3.96	42	18	7	37	52	18.6	15	19	55	.48	.090	37	58	.88	177	.09	33	1.87	.05	.15	12	460

Sample type: CORE. Samples beginning 'RE' are duplicate samples.

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb
E 199165	1	67	6	25	.1	36	21	361	2.97	2	5	ND	1	54	.2	2	2	78	1.16	.060	4	71	1.81	154	.23	2	2.15	.27	1.11	1	2
E 199166	1	48	8	30	.1	40	19	420	3.11	2	5	ND	1	56	.2	2	2	89	1.58	.070	3	69	2.05	154	.25	3	2.45	.22	1.15	1	2
E 199167	1	114	6	30	.1	45	34	388	3.26	3	5	ND	1	42	.2	2	2	93	1.23	.076	3	67	2.01	176	.25	42	2.28	.19	1.34	1	1
E 199168	1	122	6	21	.1	52	42	319	3.32	2	5	ND	1	49	.2	2	2	87	1.09	.094	3	75	1.52	120	.23	3	1.83	.21	1.04	1	2
E 199169	8	884	2	22	1.0	52	31	375	3.21	2	5	ND	1	57	.2	2	2	74	2.38	.086	2	66	1.27	61	.15	4	2.20	.23	.70	1	87
E 199170	16	291	2	28	.2	52	20	400	3.43	2	5	ND	1	52	.2	2	2	96	1.42	.075	2	90	1.98	116	.24	5	2.42	.22	1.36	1	35
E 199171	2	175	7	31	.2	59	33	411	3.53	2	5	ND	1	50	.2	2	2	85	1.74	.077	2	93	1.86	96	.23	3	2.37	.20	.90	1	20
E 199172	3	180	4	26	.1	38	24	401	3.36	2	5	ND	1	45	.2	2	2	85	1.64	.080	2	58	1.74	120	.23	3	2.23	.23	1.14	1	5
E 199173	1	43	4	24	.1	38	13	364	2.71	4	5	ND	1	43	.2	2	2	73	1.31	.059	3	64	1.72	153	.23	11	1.94	.20	1.06	1	3
E 199174	1	50	5	22	.1	41	14	353	2.37	2	5	ND	1	39	.2	2	2	67	1.43	.061	3	84	1.55	121	.20	3	1.75	.24	.77	1	2
E 199175	4	199	2	23	.1	42	12	355	2.54	3	5	ND	1	46	.2	2	2	68	1.34	.061	2	87	1.64	103	.21	2	1.81	.21	.81	1	13
E 199176	7	46	3	39	.1	58	13	480	3.19	2	5	ND	1	18	.2	2	2	85	.92	.057	2	110	2.21	86	.25	2	2.02	.11	1.21	1	2
E 199177	6	88	2	34	.1	65	18	453	3.02	2	5	ND	1	28	.2	2	2	77	1.17	.056	2	101	1.98	84	.23	2	2.02	.16	1.10	1	2
E 199178	138	620	3	29	.5	50	29	544	4.61	7	5	ND	1	52	.2	2	2	60	3.70	.079	2	77	.98	21	.12	6	2.01	.19	.22	2	28
E 199179	3	1050	2	48	1.0	62	36	727	7.39	5	5	ND	1	27	.2	2	2	77	2.95	.081	2	96	1.48	18	.11	4	2.20	.26	.38	2	72
E 199180	3	354	7	50	.1	55	28	589	5.07	4	5	ND	1	26	.2	2	2	105	1.81	.074	2	90	1.96	123	.23	2	2.40	.14	1.25	1	7
E 199181	8	90	3	41	.1	50	16	521	3.54	4	5	ND	1	37	.2	2	2	99	2.07	.078	2	78	1.66	87	.23	2	2.23	.22	.74	1	3
E 199182	1	116	17	49	.1	55	27	540	3.76	4	5	ND	1	49	.2	2	2	111	2.57	.084	2	83	1.71	95	.23	2	2.45	.33	.65	2	2
E 199183	1	120	4	41	.1	46	17	466	3.12	2	5	ND	1	72	.2	2	2	92	2.17	.087	2	69	1.45	84	.20	3	2.16	.36	.45	1	6
E 199184	1	170	4	61	.1	53	18	560	2.82	2	5	ND	1	56	.2	2	2	85	2.29	.080	2	69	1.34	37	.16	2	1.82	.22	.20	1	3
E 199185	1	214	2	54	.1	57	23	535	2.66	3	5	ND	1	50	.2	2	2	75	2.31	.073	2	69	1.25	23	.14	3	1.66	.15	.12	1	3
E 199186	1	57	4	66	.1	44	15	638	2.73	2	5	ND	1	43	.2	2	2	88	2.64	.077	2	70	1.42	41	.15	3	2.09	.22	.22	1	1
E 199187	1	123	8	53	.1	51	17	579	3.16	2	5	ND	1	36	.2	2	2	92	2.26	.075	2	77	1.64	79	.19	2	2.05	.28	.38	1	4
E 199188	1	125	7	56	.2	60	20	584	3.54	3	5	ND	1	34	.2	3	2	101	2.30	.075	2	85	1.84	114	.22	2	2.34	.27	.67	2	6
E 199189	1	74	2	46	.1	64	22	524	3.41	4	5	ND	1	33	.2	2	2	95	2.34	.070	2	84	1.80	106	.22	2	2.35	.28	.65	1	4
E 199190	1	308	4	48	.4	64	24	540	3.47	4	5	ND	1	37	.4	2	2	91	2.81	.070	2	80	1.78	50	.19	4	2.35	.25	.28	1	21
E 199191	1	96	4	40	.1	57	20	574	3.44	2	5	ND	1	32	.2	2	2	86	2.26	.069	2	80	1.79	60	.20	2	2.15	.25	.45	1	4
E 199192	1	199	2	70	.1	57	21	571	3.34	4	5	ND	1	30	.2	2	2	89	2.16	.078	2	69	1.62	96	.20	2	2.10	.23	.59	1	19
E 199193	1	118	2	112	.1	65	22	632	3.54	2	5	ND	1	51	.3	2	2	87	2.16	.075	2	76	1.83	102	.22	2	2.10	.17	.71	1	4
E 199194	1	93	3	60	.1	62	19	595	3.25	2	5	ND	1	34	.2	2	2	85	2.38	.074	2	76	1.74	70	.20	4	2.30	.19	.38	1	1
E 199195	1	130	3	55	.1	67	19	586	3.28	2	5	ND	1	31	.2	2	2	79	2.16	.078	2	75	1.57	60	.15	2	2.05	.23	.35	1	12
E 199196	1	52	2	39	.1	71	21	455	3.34	2	5	ND	1	47	.2	2	2	91	1.38	.070	3	82	2.06	206	.25	2	2.20	.19	1.22	1	3
RE E 199192	1	194	2	67	.1	57	20	549	3.15	4	5	ND	1	29	.2	2	2	86	2.08	.077	2	68	1.56	91	.20	2	2.02	.21	.54	1	14
E 199197	1	65	2	44	.1	68	21	476	3.75	3	5	ND	1	37	.2	2	2	105	1.22	.063	3	88	2.26	193	.27	2	2.28	.17	1.27	1	1
E 199198	1	134	2	67	.1	72	24	542	4.15	5	5	ND	1	44	.2	2	2	118	1.83	.068	2	91	1.97	187	.26	2	2.34	.26	1.08	2	2
E 199199	1	72	2	33	.1	67	21	433	3.14	2	5	ND	1	42	.2	2	2	91	1.55	.068	2	84	1.92	144	.25	2	1.94	.22	.72	1	1
E 199200	1	32	2	39	.1	47	17	550	3.59	2	5	ND	1	38	.2	2	2	111	2.12	.063	3	72	2.13	134	.26	2	2.38	.17	.82	1	4
STANDARD C/AU-R	19	58	39	131	7.2	69	33	1040	3.90	42	19	7	35	52	18.7	15	18	55	.48	.090	37	56	.87	175	.09	33	1.87	.05	.15	12	490

Sample type: CORE. Samples beginning 'RE' are duplicate samples.

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb
E 199201	1	212	3	66	.1	37	23	837	4.04	2	5	ND	1	80	.2	2	2	124	4.09	.067	2	54	1.88	49	.20	4	3.33	.26	.26	1	19
E 199202	2	48	2	51	.1	33	19	632	3.61	2	5	ND	1	45	.2	2	2	125	2.13	.061	3	50	2.21	147	.23	2	2.60	.27	.60	1	8
E 199203	1	52	2	49	.1	35	17	611	3.59	2	5	ND	1	42	.2	2	2	128	2.09	.062	4	44	2.21	170	.26	3	2.62	.29	.77	1	6
E 199204	1	102	4	69	.1	36	30	781	3.31	2	5	ND	1	67	.2	2	2	107	2.54	.081	2	53	1.58	32	.19	3	2.26	.17	.15	1	3
E 199205	1	46	2	74	.1	30	15	793	3.05	2	5	ND	1	76	.2	2	2	105	2.91	.085	2	51	1.46	45	.20	4	2.40	.20	.22	1	7
E 199206	1	101	2	86	.1	36	21	775	3.42	2	5	ND	1	66	.2	2	2	112	2.42	.071	2	58	1.74	60	.21	4	2.35	.22	.29	1	5
E 199207	1	142	2	51	.1	28	18	626	2.85	2	5	ND	1	89	.3	2	2	101	2.54	.076	2	45	1.39	76	.22	4	2.12	.22	.37	1	5
E 199208	1	42	2	52	.1	36	14	676	3.69	2	5	ND	1	44	.2	2	2	122	2.46	.070	3	61	2.10	134	.24	3	2.69	.28	.66	1	4
E 199209	1	232	5	51	.2	44	19	684	4.02	3	5	ND	1	30	.2	2	2	110	2.54	.070	2	75	2.00	58	.20	3	2.36	.28	.27	1	13
E 199210	1	179	7	50	.1	50	21	623	4.02	2	5	ND	1	47	.2	2	2	115	2.16	.076	3	78	2.12	122	.23	3	2.58	.28	.60	1	1
E 199211	13	1137	3	51	.7	83	140	516	6.73	5	5	ND	1	25	.2	2	2	112	1.39	.068	2	90	2.06	51	.25	2	2.09	.18	.49	1	3
E 199212	1	203	4	76	.1	67	30	667	3.84	2	5	ND	1	43	.2	2	2	111	3.20	.072	2	79	1.92	58	.21	2	2.61	.22	.31	1	2
E 199213	1	71	3	71	.1	68	21	698	3.80	3	5	ND	1	48	.2	2	2	119	2.33	.075	2	90	2.32	172	.23	2	2.87	.25	.68	1	1
E 199214	1	52	3	63	.1	65	22	702	3.75	2	5	ND	1	45	.2	2	2	126	1.97	.067	3	92	2.54	214	.26	2	2.81	.19	.79	1	1
E 199215	1	42	2	59	.1	63	24	610	3.15	2	5	ND	1	64	.2	2	2	97	2.10	.097	3	69	2.11	120	.20	2	2.34	.18	.45	1	3
E 199216	1	53	4	52	.1	69	20	551	3.04	2	5	ND	1	76	.2	2	2	94	2.01	.081	3	76	2.12	156	.21	2	2.61	.21	.59	1	2
E 199217	1	83	2	55	.1	65	20	553	3.11	2	5	ND	1	64	.2	2	2	96	1.96	.073	3	82	2.23	206	.21	2	2.60	.24	.73	1	4
E 199218	1	67	2	36	.1	52	18	443	2.78	2	5	ND	1	45	.2	2	2	78	1.59	.070	4	68	1.87	215	.20	6	2.07	.21	.67	1	3
E 199219	1	67	3	35	.1	47	17	519	2.82	3	5	ND	1	52	.2	2	2	89	1.80	.088	3	59	1.47	175	.22	9	1.93	.26	.48	1	9
E 199220	1	155	2	45	.1	70	27	492	3.17	2	5	ND	1	59	.2	2	2	97	1.69	.067	2	79	1.87	227	.24	21	2.24	.26	.65	1	2
E 199221	1	100	2	51	.1	60	22	505	3.22	2	5	ND	1	53	.2	2	2	103	1.67	.063	3	86	2.16	221	.25	2	2.45	.25	.82	1	8
E 199222	1	101	4	92	.1	44	25	602	3.56	3	5	ND	1	71	.2	2	2	110	2.26	.067	2	59	1.81	113	.22	3	2.52	.24	.43	1	4
E 199223	1	36	2	53	.1	32	17	552	3.52	2	5	ND	1	64	.2	2	2	115	1.88	.070	4	44	1.99	226	.25	2	2.52	.27	.79	1	1
E 199224	1	90	2	55	.1	33	24	617	3.98	2	5	ND	2	40	.2	2	2	125	2.14	.063	4	45	1.96	130	.24	2	2.29	.24	.48	1	4
E 199225	1	130	3	62	.1	35	20	714	3.19	2	5	ND	1	69	.2	2	2	105	2.82	.087	2	44	1.49	38	.20	4	2.45	.18	.17	1	1
E 199226	1	112	3	76	.2	32	27	879	3.86	3	5	ND	2	53	.5	2	2	118	2.53	.089	2	49	1.72	77	.22	3	2.56	.29	.40	1	1
E 199227	1	46	2	55	.1	34	22	609	3.36	2	5	ND	2	60	.2	2	2	104	2.16	.076	4	48	1.92	145	.23	2	2.50	.27	.49	1	3
E 199228	1	46	2	51	.1	40	18	587	3.55	2	5	ND	2	58	.2	2	2	112	2.51	.067	3	71	2.10	125	.24	3	2.63	.28	.47	1	1
RE E 199225	1	121	2	59	.1	36	18	678	3.02	3	5	ND	1	66	.2	2	2	100	2.67	.079	2	43	1.41	36	.19	3	2.28	.16	.16	1	1
E 199229	1	67	2	49	.1	41	19	585	3.43	3	5	ND	2	39	.2	2	2	110	2.38	.075	3	65	1.98	84	.22	2	2.34	.24	.34	2	1
E 199230	1	84	2	58	.1	47	23	532	3.43	4	5	ND	1	32	.2	2	2	106	2.15	.068	3	62	1.94	89	.24	4	2.29	.22	.46	1	1
E 199231	1	82	2	57	.1	44	23	530	3.99	2	5	ND	2	61	.2	2	2	117	1.51	.066	4	67	2.42	248	.30	2	2.78	.16	1.05	1	1
E 199232	1	107	3	106	.1	30	21	459	3.77	2	5	ND	2	91	.2	2	2	112	1.43	.075	4	43	1.89	254	.28	3	2.59	.26	1.07	1	2
E 199233	1	215	3	242	.1	43	27	513	4.13	2	5	ND	2	101	3.2	2	2	126	1.82	.073	3	52	1.93	255	.28	2	2.85	.30	1.14	1	13
E 199234	1	155	2	53	.1	48	24	509	3.26	3	5	ND	1	69	.2	2	2	105	2.75	.077	2	57	1.43	61	.20	5	2.47	.26	.29	1	4
E 199235	1	78	2	60	.1	44	20	580	3.77	2	5	ND	2	50	.2	2	2	121	2.22	.078	2	60	2.03	167	.26	3	2.65	.24	.65	1	8
E 199236	1	166	2	60	.1	36	24	531	3.59	2	5	ND	2	62	.2	2	2	112	2.08	.089	3	52	1.44	80	.24	2	1.99	.23	.38	1	1
STANDARD C/AU-R	19	59	38	132	7.3	70	34	1063	3.97	44	18	6	37	51	18.7	15	19	56	.48	.090	38	58	.88	177	.09	32	1.90	.08	.16	11	450

Sample type: CORE. Samples beginning 'RE' are duplicate samples.

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb
E 199237	1	123	3	60	.2	45	22	562	3.41	2	5	ND	1	61	.4	2	2	105	2.34	.083	2	60	1.84	150	.21	3	2.60	.30	.54	1	11
E 199238	1	83	2	57	.1	42	16	532	3.21	2	5	ND	1	59	.3	2	2	103	2.42	.069	3	59	1.73	142	.20	10	2.54	.29	.58	1	8
E 199239	1	126	4	62	.1	42	20	545	3.22	2	5	ND	1	55	.2	2	2	102	2.41	.078	2	59	1.76	114	.20	9	2.39	.24	.36	1	11
E 199240	1	89	2	51	.1	36	16	542	3.00	2	5	ND	1	43	.2	2	2	99	2.49	.077	2	53	1.59	112	.19	55	2.15	.24	.36	1	11
E 199241	1	117	4	72	.2	43	18	499	3.18	2	5	ND	1	89	.2	2	2	98	2.45	.071	2	60	1.76	154	.20	11	2.65	.29	.43	1	8
E 199242	1	142	4	53	.1	48	21	519	3.21	2	5	ND	1	68	.3	2	2	89	2.11	.070	3	56	1.76	173	.20	9	2.47	.27	.65	1	12
E 199243	1	65	4	42	.1	40	15	438	2.82	2	5	ND	1	62	.2	2	2	81	1.92	.056	3	60	1.75	171	.20	8	2.30	.26	.67	1	8
E 199244	1	94	2	33	.1	36	19	378	2.95	2	5	ND	1	53	.3	2	2	93	1.63	.074	3	47	1.52	164	.25	7	2.10	.25	.88	1	8
E 199245	1	84	3	35	.1	35	17	438	2.95	2	5	ND	1	58	.2	2	2	89	1.93	.076	4	55	1.64	192	.22	11	2.27	.20	.48	1	4
RE E 199242	1	148	2	51	.1	47	22	460	3.17	3	5	ND	1	68	.2	2	2	88	2.07	.070	2	55	1.74	175	.20	9	2.47	.27	.67	1	13
E 199246	1	61	3	94	.1	40	21	594	3.78	2	5	ND	1	55	.2	2	2	109	2.41	.073	2	60	1.91	158	.23	7	2.88	.24	.63	1	7
E 199247	1	102	4	278	.1	32	18	465	2.81	3	5	ND	1	123	1.4	2	2	81	2.67	.082	2	41	1.41	12	.26	457	2.57	.09	.06	1	3
E 199248	1	70	3	119	.2	29	17	441	2.73	2	5	ND	1	124	.5	2	2	83	2.27	.081	2	36	1.39	97	.21	439	2.29	.11	.18	1	3
E 199249	1	95	4	50	.1	35	15	386	2.80	2	5	ND	1	27	.4	2	2	90	1.65	.065	3	54	1.67	139	.26	11	1.78	.21	.73	1	5
E 199250	1	75	57	64	.1	39	17	419	3.08	2	5	ND	1	91	.4	2	2	85	1.84	.069	4	61	1.79	296	.23	7	2.92	.27	.84	1	5
E 199251	1	291	4	1019	.1	60	33	463	4.13	3	5	ND	1	48	15.7	2	2	114	1.21	.072	3	77	2.02	229	.27	6	2.49	.17	.97	1	2
E 199252	1	251	2	147	.1	53	28	492	3.82	3	5	ND	1	91	.5	2	2	94	2.00	.072	3	69	1.71	157	.23	7	2.61	.23	.71	1	4
STANDARD C/AU-R	17	58	39	131	7.3	70	31	1027	3.96	40	18	7	36	49	18.4	16	19	56	.47	.091	37	58	.87	176	.09	33	1.93	.06	.17	11	480

Sample type: CORE. Samples beginning 'RE' are duplicate samples.

APPENDIX F


GEOLOGICAL BRANCH
ASSESSMENT REPORT
22,225
MANSON CREEK RESOURCES LTD.
DISCOVERY CREEK PROJECT
BRITISH COLUMBIA
1991 EXPLORATION SUMMARY
Date: DECEMBER 1991
N.T.S.: 93N/13,14
Revised:
FIGURE 5
Scale: 1:10,000
0
500
1000m
LEGEND
J02 10,0.15,4,203,11
1990 Stream Sediment Sample Location
Au(ppb), Ag(ppm), Mo(ppm), Cu(ppm), As(ppm)
CR-1 (79)
1991 Soil Sample Location
(Cu ppm)
DC91-1
1991 Golden Rule Drill Hole
I.P. Anomaly
Cu-in-soils Anomaly (100ppm contour)
DUCKY 3
DUCKY 1
BLONDIE 6
BLONDIE 7
BX 8
BX 18
BX 19
BX 9
BX 16 (A-J)
BX 1
BX 2
BX 3
LING II
LING I
DC ZONE
Zone of
Anomalous Samples
Duckling
Creek
George
Fault
Willy
George
George
Creek
lateral moraine
Aeromag High
(Intrusive ?)
1991 BASELINE
(coarse pyx-ping
porphyry-contact
metamorphism?)
sy dykes
Fa, pyx
Fa
po on fractures
md inclusions
in Fa
Kf on fractures
bedded py
LCP
Ducky 1,3

GEOLOGICAL BRANCH
ASSESSMENT REPORT

22,225

LEGEND

DC91-1-1 Location of sample petrographically analysed

159.3 ppm Cu / 8.82 ppb Au / 148.4m — Drill hole weighted average assay / Assay interval

MANSON CREEK RESOURCES LTD.

DISCOVERY CREEK PROJECT
BRITISH COLUMBIA

CROSS-SECTION L 5+00W
(LOOKING WEST)

Date: DECEMBER 1991	N.T.S.: 93N/13,14
Revised:	FIGURE: 6
Scale: 1:1000	0 500 1000m