

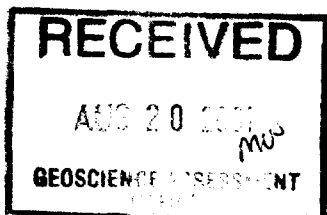
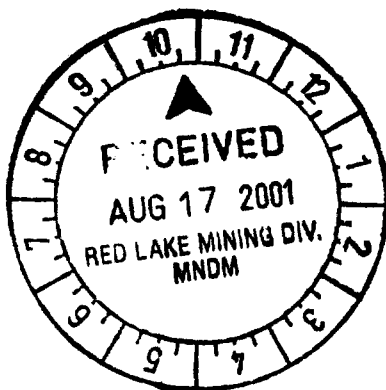
**REPORT ON DIAMOND DRILLING PROGRAM
ROWAN PROPERTY (Martin Bay Area)
Todd and Fairlie Townships and Hammell Lake Area
Red Lake Mining Division, Ontario
NTS 52 M/1**

GOLDCORP INC.

August 9, 2001

David S. Hunt, BSc

2.21962



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Drawing RW01002	Drill Section RW-01-158, 1:500	In back pocket
Drawing RW01003	Drill Section RW-01-159, 1:500	In back pocket
Drawing RW01004	Drill Section RW-01-160, 1:500	In back pocket
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Summary

During the period June 12 through July 8, 2001, a diamond drilling program was completed by Goldcorp Inc. in Martin Bay portion (southeastern part) of the Rowan Property, Red Lake Mining Division, Ontario. The program consisted of eight diamond drill holes totalling 1,974m.

Purpose of the program was to follow up previous diamond drilling and surface sampling by previous operators, and to intersect some untested horizontal loop (HLEM) electromagnetic conductor axes.

The Rowan property consists of 118 contiguous staked, patented and leased claims comprising 139 units. The group consists of 49 staked claims and 68 patented or leased claims.

A few significant gold values were returned and all were over intervals of not more than 1m. Occasional elevated silver values were returned, the highest being 119 ppm. Elevated silver may or may not correspond with elevated gold. Two significant zinc values (>10,000 ppm) were recorded.

A broad zone of above-background gold values ($\text{Au} \geq 10$ ppb) was outlined in holes RW-01-162, -163 and -164 (see Figure 4, below). This zone is characterized by silicified basaltic rocks and by elevated sulfide levels and may be amenable to identification by induced polarization (IP) methods. IP may also identify increased sulfide and/or alteration zones within this area that may serve to concentrate gold to significant status.

Significant gold values (i. e. $\text{Au} \geq 1.00$ g/t) tend to be associated with silicification and quartz veining, along with elevated amounts of pyrrhotite, pyrite, chalcopyrite \pm sphalerite \pm arsenopyrite.

In the southern part of the project area an IP survey is recommended to test the strike length of the zone hosting above-background gold values.

1.0 Introduction

During the period June 12 through July 8, 2001, a diamond drilling program was completed by Goldcorp Inc. in Martin Bay portion (southeastern part) of the Rowan Property, Red Lake Mining Division, Ontario. The program consisted of eight diamond drill holes totalling 1,974m.

Purpose of the program was to follow up previous diamond drilling and surface sampling by previous operators, and to intersect some untested horizontal loop (HLEM) electromagnetic conductor axes.

Results of the program are discussed below.

1.0 Location and Access

The Rowan Property is situated in Northwestern Ontario, 16 km west northwest of the Town of Red Lake (see Figure 1). The claim group is a short distance northwest of Martin Bay, Red Lake, 25 km due west of Goldcorp Inc's Red Lake Mine in Balmertown.

The property is accessible by road from Red Lake. Turning north onto Nungesser Road from Highway 125 between Red Lake and Cochenour, drive north for 16 km and then turn west onto the Pine Ridge Forest Access Road, a two lane, gravelled woodlands haul road. Travel west for 22 km, then turn south onto the Mount Jamie Mine road, a partially gravelled bush road. Travel a further 19 km to the southeastern part of the Rowan property.

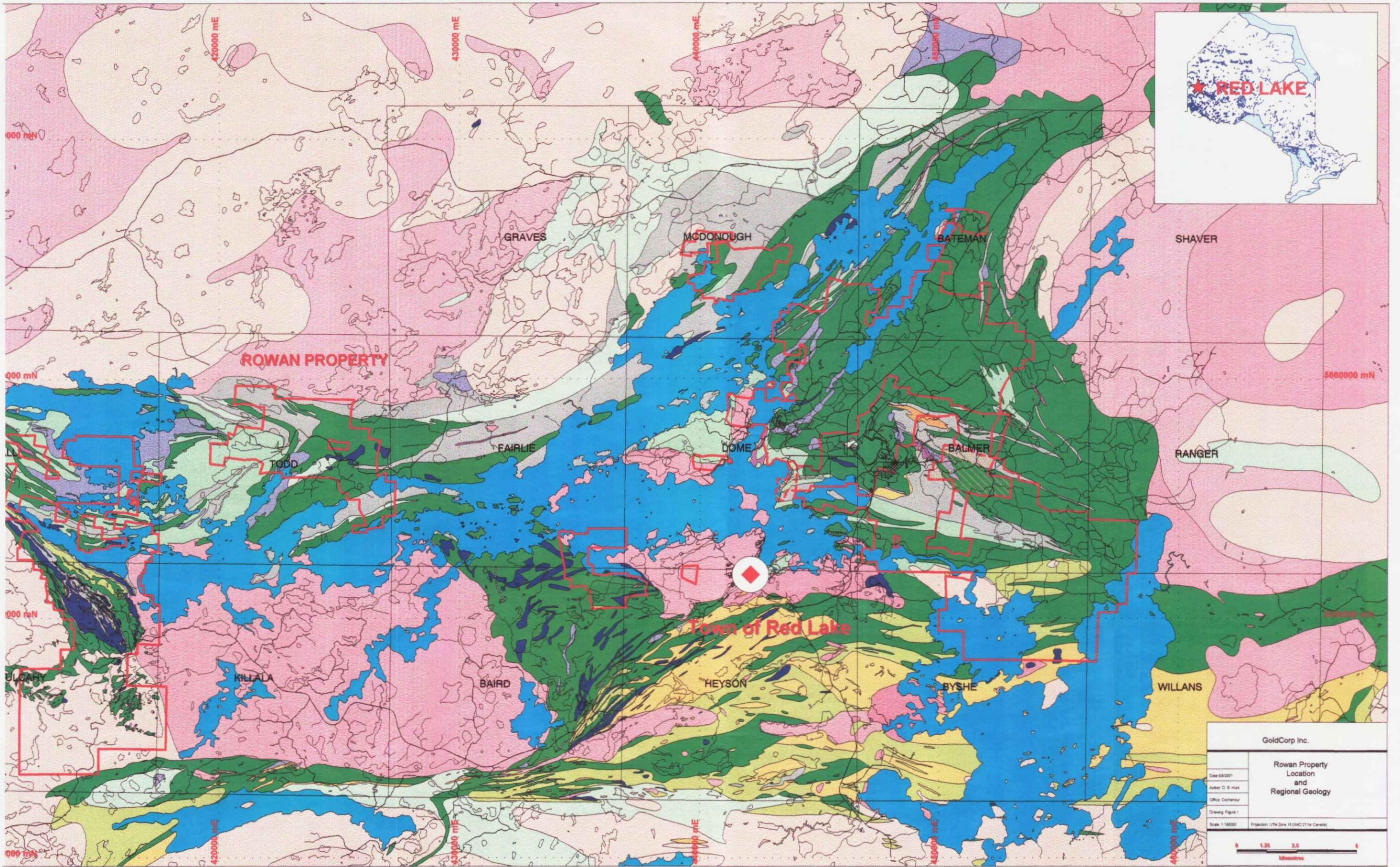
2.0 Claims and Land Status

The Rowan property consists of 118 contiguous staked, patented and leased claims comprising 139 units. The group consists of 49 staked claims and 68 patented or leased claims.

Land tenure details, as reported on the Ontario Ministry of Northern Development and Mines mining lands website on July 24, 2001, are tabulated on Table 1 in Appendix I. The group is illustrated on Figure 2.

3.0 Previous Work

The main focus of exploration on the Rowan property has been the Rowan Mine in the western portion of the property. Gold was discovered in the Rowan Mine area in 1928



GoldCorp Inc.	
Rowan Property Location and Regional Geology	
Date: 08/2001	
Author: D. S. Hux	
Office: Cochenour	
Drawing: Figure 1	
Scale: 1:10000	Projection: UTM Zone 18 (NAD 83 for Canada)

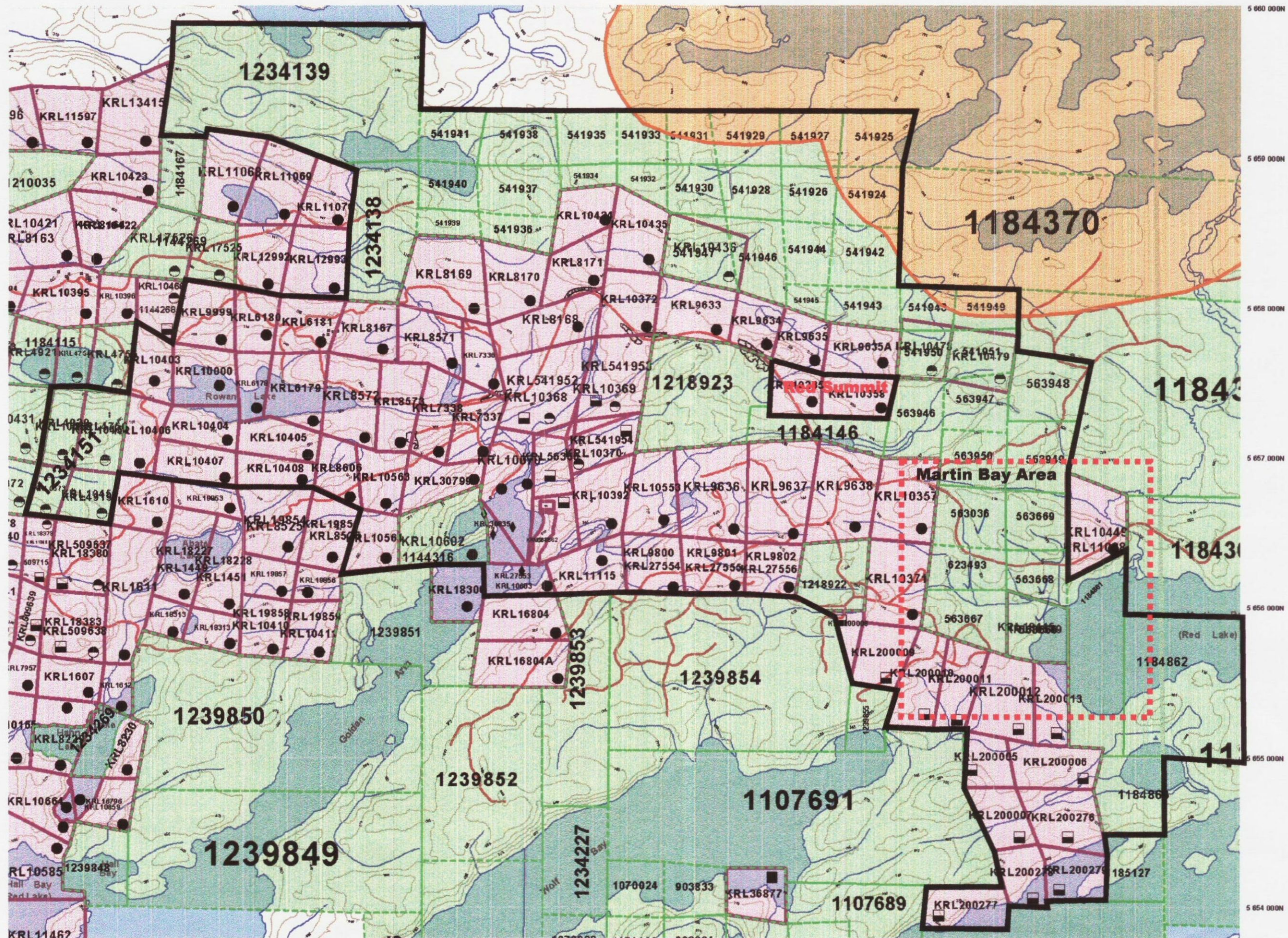


FIGURE 2

CLAIM MAP

Scale 1:25,000

and work has continued sporadically since that time. Extensive diamond drilling and underground drilling over the years have resulted in the discovery of several narrow gold-bearing zones in the vicinity of the mine. The most recent ore reserve calculation were carried out by Chevron Minerals Ltd. in 1990 (Fumerton, 1990). The results of this work were summarized as follows:

“Approximately 160,000 tonnes of gold resource grading 14 g/t is estimated to exist in the vicinity of the old underground workings of the Rowan Mine. This resource occurs in multiple small shoots and has been tested to a maximum depth of 250m below surface.

Further work on the property should focus on the development of new exploration targets.”

The first reported work in the Martin Bay area, consisted of prospecting, surface trenching and six diamond drill holes by Paulore Gold Mines Ltd.

The area was mapped by H. C. Horwood of the Ontario Department of Mines during the period 1937 – 1939.

In 1945 and 1946 Rugged Red Lake Mines Ltd carried out a program of geological mapping, trenching and 25 diamond drill holes totalling 15,570 ft. (4,746m) (Shatford, 1946).

In 1969 Cochenour Explorations Ltd carried out a program of geological mapping, soil sampling, magnetometer and horizontal loop electromagnetic (HLEM) surveys over a portion of the Martin Bay area. This work was followed by a program of diamond drilling consisting of eight holes totalling 1,959.5 ft (597m) (Chastko, L. C., 1969).

Todd and Fairlie Townships were mapped by R. A. Riley of the Ontario Geological Survey in 1971.

Cochenour Explorations carried out magnetic and HLEM surveys on the “Rugged” Claim Group, which included a portion of the Martin Bay area, during 1975 (Chastko, 1975).

Goldquest Exploration Inc carried out a radiometric survey of the property in 1983 (Peden, 1983). Magnetic and HLEM surveys were also carried out on a portion of the Martin Bay property (Peden, 1985).

Lithochemical surveys were carried out during the period 1983 to 1985 by Goldquest. These are summarized by Peden, 1985.

Goldquest carried out a program of bulldozer stripping, washing, detailed mapping and sampling of portions of the Martin Bay area in 1985 (Durrant, A. R., 1985).

Chevron Minerals Ltd’s 1989 exploration program consisted of regional scale geological mapping and associated rock geochemical sampling. A program of mechanical stripping

was carried out in the Martin Bay area in order to enlarge areas previously exposed and to determine continuity of grade of the mineralized shear zones in the area. One 225m diamond drill hole was drilled to test the 'Main Shear' in the Martin Bay area.

Goldcorp Inc carried out helicopter borne combined magnetic, electromagnetic, VLF and radiometric surveys over a large portion of the Red Lake area, including the Rowan property, in 2000. The survey was carried out by SIAL Geosciences Inc. (St-Hilaire, 2000).

4.0 Regional Geology

The Rowan property is situated at the west end of the Red Lake Greenstone Belt. The belt is comprised of a relatively narrow series of six metavolcanic/metasedimentary supracrustal assemblages intruded by several bodies of variable size, form and composition. All of the assemblages have undergone several phases of deformation and metamorphism. The rocks, of Mesoarchean and Neoproterozoic age, form part of the larger Uchi Subprovince of the Superior Province of the Canadian Shield.

A detailed description of the tectonic history of the Red Lake Belt is presented in GSC Current Research 2001 – C19 (Sanborn-Barrie, 2001).

Regional geology of the Red Lake area is illustrated on Figure 1.

5.0 Property Geology

The Martin Bay portion of the Rowan property is underlain by easterly striking, steeply to vertically dipping, pillowed to massive mafic volcanic flows intruded by intermediate to felsic dykes, sills and small plugs. Intrusion breccia zones were observed to occasionally mantle and flank these intrusions. In central parts of the area moderate to strong calcite and/or carbonate alteration is pervasive, causing bleaching of the rocks. Toward the southern part of the area at least one mafic pyroclastic unit of variable thickness is present, and silicification is the dominant form of alteration.

Minor conductive horizons in the area are mainly caused by thin, altered zones hosting quartz veins and stringer sulfides. The 'Main Shear' is comprised of a broad zone of disseminated and stringer sulfides, mainly pyrrhotite, with minor chalcopyrite and, locally, traces of sphalerite. Cashin and Shannon (1989) characterize Martin Bay area mineralization as

"pyrite-pyrrhotite-sphalerite-galena-arsenopyrite bearing sulfide iron formation smeared out along a 110° trending calcite altered shear zone. Grab samples from old prospect pits returned up to 1000 g/t Ag, 4.91% Cu, 3.29% Zn and 1.58 g/t Au."

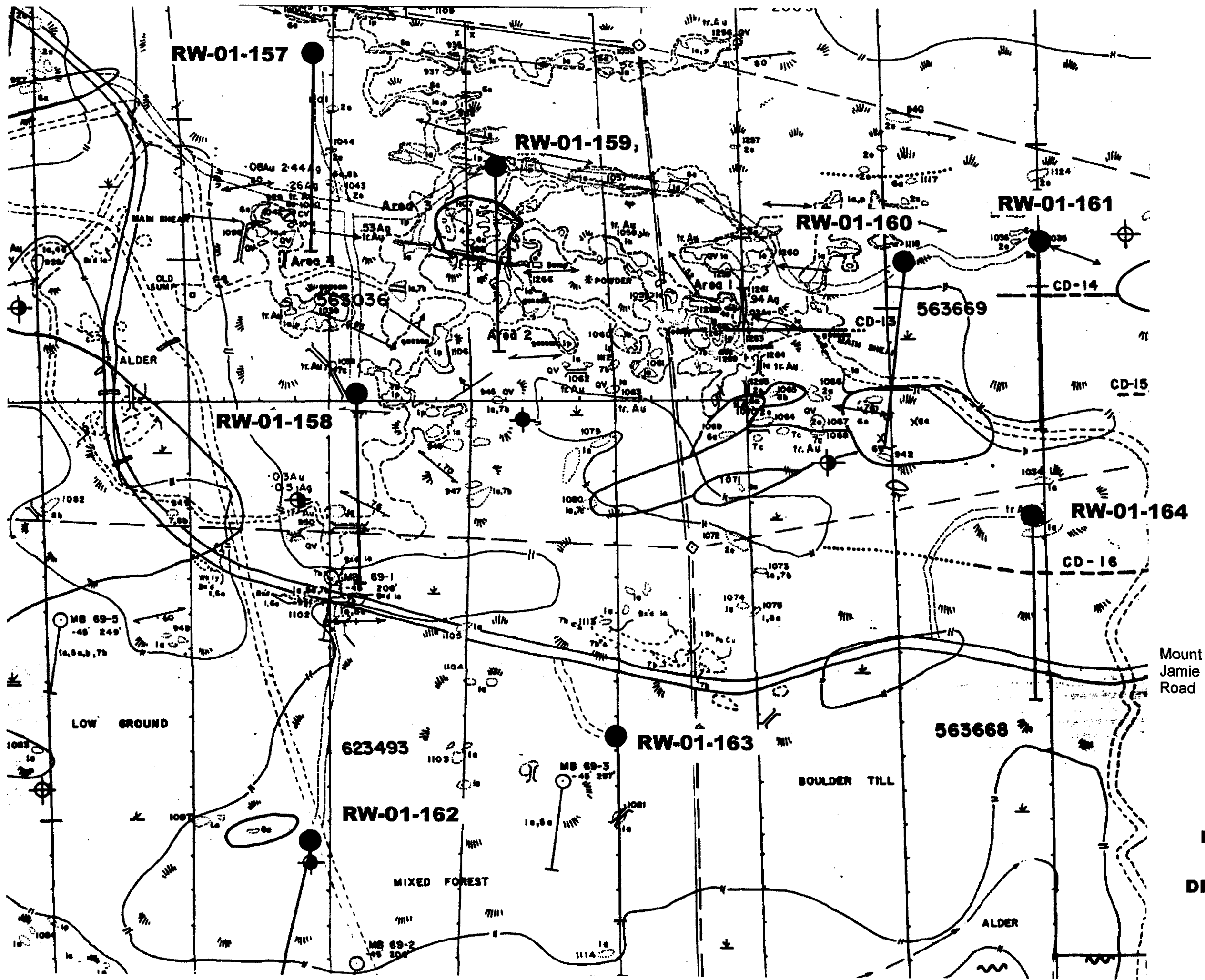


FIGURE 3
PROPERTY GEOLOGY
and
DRILL HOLE LOCATIONS

Scale 1:2500

Geology in the area of drilling is shown on Figure 3, after Goldquest, 1983, at a scale of 1:2500.

6.0 Diamond Drilling Program

Diamond drilling was carried out from June 12 through July 8, 2001. Eight diamond drill holes were completed, for a total of 1,947m.

Drilling was carried out by N. Morrissette, Red Lake, Ontario. Program supervision and core logging were by the author. Drill logs are in Appendix II and drill sections, at a scale of 1:500, are presented at the back of the report in Drawings RW01001 through RW01007.

Purpose of the drilling was to follow up previous diamond drilling and surface sampling by previous operators, and to intersect previously untested electromagnetic conductor axes.

Holes were spotted by Reg Seyler and the author. No current grid was cut in the area. GPS coordinates for each hole collar were determined in the field using a Garmin GPS 12XL instrument. Collar locations are in UTM coordinates, Canada Mean Datum (NAD 27) Zone 15.

Drill hole locations are shown on Figure 3. Hole locations and other particulars are listed on Table 2, below.

Table 2: Drill Hole Data Table

DDH Number	Location (UTM)		Azimuth	Dip	Length (m)	Purpose
	Northing	Easting				
RW-01-157	5656510	425896	180	-50	320.00	To test Main Shear
RW-01-158	5656256	425926	180	-49	252.00	To test airborne EM anomaly and associated Au values in old trench
RW-01-159	5656420	426031	180	-49	252.00	To test Main Shear adjacent to small area mapped as argillite/mudstone immediately to north
RW-01-160	5656357	426321	190	-50	249.00	To test western extension of HLEM conductor axis CD-14 and eastern extension of CD-13
RW-01-161	5656369	426411	180	-50	250.00	To test HLEM conductor axis CD-14
RW-01-162	5655936	425889	188	-50	198.00	To test immediately west of old DDH MB-69-2
RW-01-163	5656014	426110	180	-50	249.00	To test auriferous trench east of previous hole MB-69-3
RW-01-164	5656177	426400	180	-50	204.00	To test HLEM conductor axis CD-16

7.0 Results

7.1 Drill Hole Geology and Mineralization

The geology of each drill hole is summarized below. Detailed drill logs are in Appendix II.

The upper portion of hole **RW-01-157** intersected massive basalt flows with a few intercalated cherty interflow sedimentary beds. The lower part of the hole cut pillowed basalt flows with minor intercalated flow breccia horizons. Occasional thin felsic porphyry dykes and one thin diabase dyke intruded the pillowed basalt sequence. The 'Main Shear' was intersected from 279.49 to 292.36m. It was characterised by pervasive silicification and local bleaching, as well as moderate to strong magnetism caused by an elevated pyrrhotite content. Thin zones within the Main Shear contain up to 10% quartz-calcite veining, 20% pyrrhotite, 10% pyrite, 10% sphalerite, 3% chalcopyrite and traces of arsenopyrite. All units dip steeply north.

The top of hole **RW-01-157** intersected pillowed basalt flows with minor intercalated flow breccia, intruded by a thin feldspar porphyry dyke. A thin, strongly magnetic, graphitic interflow sedimentary horizon marks the boundary with the next unit, massive, locally bleached and carbonatized, basalt flows. Below the massive basalt a unit of

locally bleached and silicified flow breccia, with clasts up to 15 cm in diameter, was cut, and below this unit was another sequence of locally bleached and silicified pillowed basalts with minor intercalated flow breccia. Quartz feldspar porphyry cuts the end of the hole. All units dip steeply north to vertical. The depth extension of the trench being tested by this hole is believed to correspond to the graphitic interflow unit mentioned above. This thin (1.16m) horizon contains 10% quartz-calcite stringers, 10% pyrite and 3% pyrrhotite as stringers and fracture-fillings.

Hole **RW-01-159** intersected a pillowed basalt flow sequence at the top, followed by weakly to moderately silicified massive basalt flows intruded by a moderate number of intrusion breccia dykelets. Following this was a series of feldspar porphyry intrusions flanked by intrusion breccia. The bottom part of the hole cut pillowed basalt flows with local massive sections. The unit mapped on surface as "argillite/mudstone" may, in fact, be intrusion breccia as logged in the hole. The 'Main Shear', intersected from 217 and 252m, is marked by local biotite alteration and carbonatization, up to 30% quartz-calcite veining and varying amounts of pyrite, pyrrhotite, chalcopyrite, sphalerite and possibly galena. Rock units dip steeply to the south.

Hole **RW-01-160** first intersected a massive basalt flow horizon, followed by a feldspar porphyry intrusion. Minor intrusion breccia flanks this body, extending into the massive basalt unit. Below the feldspar porphyry is a thick sequence of pillowed basalt flows cut by occasional quartz-feldspar porphyry dykes. The hole cut massive basalt at its end, and the contact between the pillowed and massive basalt units was marked by a horizon of mafic lapilli and ash tuff, with minor thin, intercalated iron formation bands. The tuffaceous unit displayed abundant gold values ≥ 20 ppb. Units dip vertically. The extension of conductor axis CD-14 corresponded to two thin conductive zones between 55.10 and 58.25m in massive basalt, which contained up to 20% quartz-calcite veins, 20% pyrrhotite, 10% pyrite and 5% chalcopyrite. Conductivity was caused by sulfide stringers. The easterly extension of conductor CD-13 was logged as a conductive zone in pillowed basalt flows from 153.55 to 154.11m. This zone contained 30% quartz veins, 15% pyrrhotite, 10% pyrite and 5% arsenopyrite. Conductivity was caused by sulfide stringers.

Hole **RW-01-161** intersected a sequence of vertically, to steeply north dipping massive and pillowed basalt flows cut by one thin feldspar porphyry dyke. The depth extension of VLEM conductor axis CD-14 corresponded to a conductive zone in pillowed basalt from 50.93 to 51.25m containing 10% sphalerite, 5% pyrrhotite, 1% chalcopyrite and 1% arsenopyrite. Conductivity was caused by stringer sulfides. A further conductive zone toward the bottom of the hole, from 243.14 to 243.87m, may correspond to the western extension of conductor axis CD-15. It consists of chloritized basalt containing 5% quartz-calcite stringers, 10% cp, 10% po, 3% py and 1% arsenopyrite. As above, conductivity is caused by stringer sulfides.

The upper half of hole **RW-01-162** intersected a thick unit of massive basalt cut by a thin syenite and feldspar porphyry dyke. Below the massive basalt was a silicified and locally bleached mafic tuff and agglomerate horizon, followed by a sequence of strongly foliated

and brecciated, calcitic mafic flows. Massive basalt flows, with minor flow breccia interbeds, were cut at the bottom of the hole. Units dip steeply to the north. The lower two-thirds of the hole, from 78 to 198m, displayed gold values consistently above background (≥ 10 ppb) along with elevated sulfide content.

Hole **RW-01-164** intersected pillowed basalt flows in its upper portion and locally sericitized massive basalt flows in the lower part. These two units were separated by a thin unit of interflow iron formation intermixed with chloritic and silicified basalt lenses. A thin unit of heavily chloritized basalt, containing considerable quartz veining, occurred toward the lower part of the pillowed unit. Rock units dip steeply to the south. Much of the lower two-thirds of the hole displayed gold values consistently above background (≥ 10 ppb).

7.2 Sampling and Analytical Procedures

Sections of drill core to be assayed were marked by the author during the course of core logging. These sections were split, using a diamond blade rock saw, by K. Holliday and D. Strilchuk. Sampling, sample shipping and core storage were supervised by G. Strilchuk. Half of each sample was sealed in a plastic sample bag along with a sample identification tag. The remaining half of each sample was replaced in the core box as a permanent record. Core was stored in racks on the Cochenour Mine property.

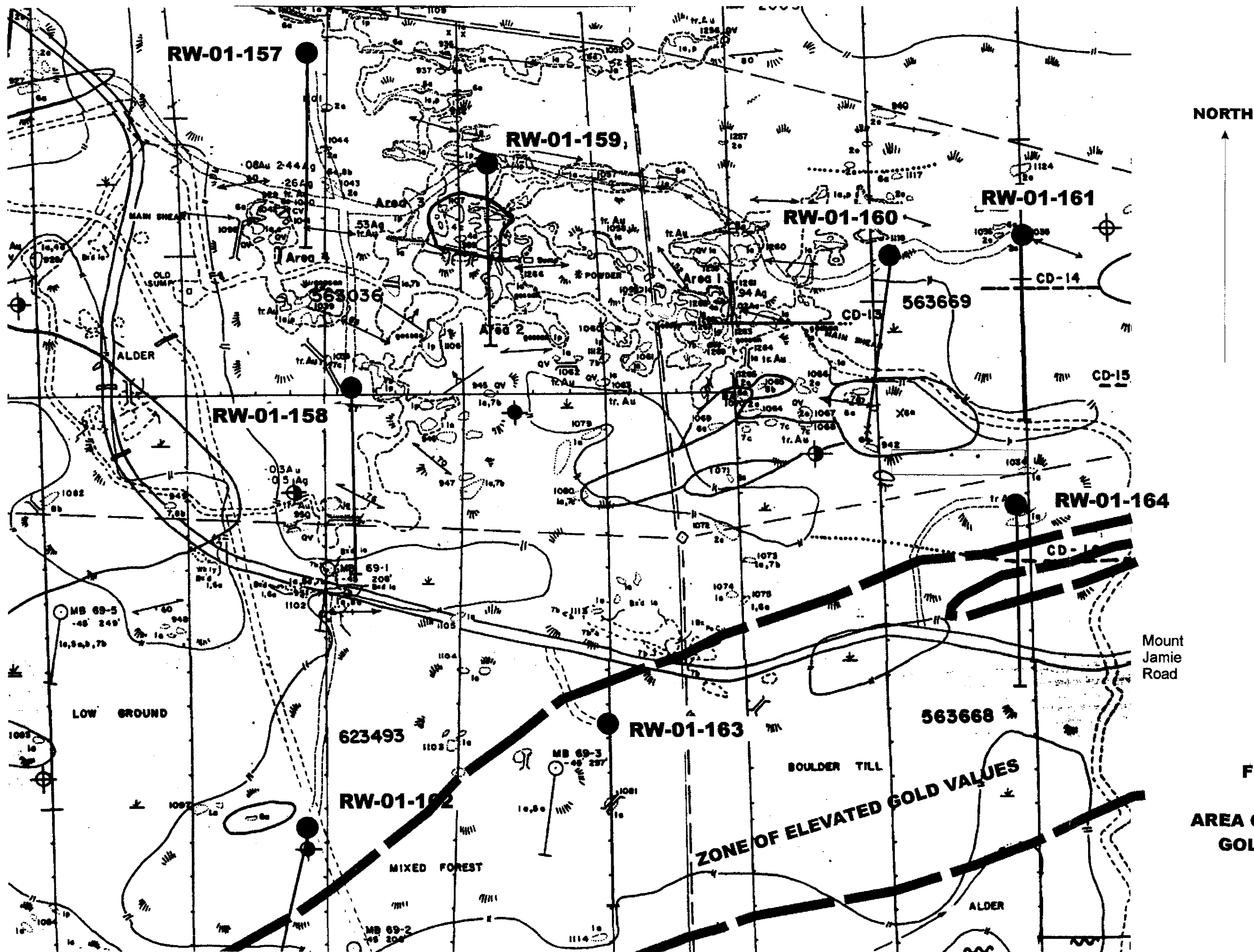
Samples were shipped via Manitoulin Transport to ALS Chemex, Thunder Bay for sample preparation and thence to ALS Chemex, Toronto, for analysis. Gold was analyzed by fire assay – atomic absorption (FA-AA) methods; silver and lead by atomic absorption spectroscopy (AAS) and Al, Ba, Be, Bi, Ca, Cd, Co, Cr, Cu, Fe, K, Mg, Mn, Mo, Na, Ni, Sr, Ti, V and Zn by inductively coupled plasma procedures (ICP).

Gold assays are noted in the diamond drill logs and plotted on drill sections. Significant gold, silver, copper and zinc values are listed on Table 3, below. Assay certificates are contained in Appendix III.

7.3 Significant Assay Results

Significant assay results from the diamond drill program are listed below on Table 3, below. A few significant gold values were returned and all were over intervals of not more than 1m. Occasional elevated silver values were returned, the highest being 119 ppm. Elevated silver may or may not correspond with elevated gold. Two significant zinc values ($>10,000$ ppm) were recorded.

A broad zone of above-background gold values ($\text{Au} \geq 10$ ppb) was outlined in holes RW-01-162, -163 and -164 (see Figure 4, below). This zone is characterized by silicified basaltic rocks and by elevated sulfide levels and may be amenable to identification by induced polarization (IP) methods. IP may also identify increased sulfide and/or alteration zones within this area that may serve to concentrate gold to significant status.



NORTH

FIGURE 4

AREA OF ELEVATED GOLD VALUES

Scale 1:2500

Significant gold values (i. e. Au \geq 1.00 g/t) tend to be associated with silicification and quartz veining, along with elevated amounts of pyrrhotite, pyrite, chalcopyrite \pm sphalerite \pm arsenopyrite.

Table 3: Significant Assay Results

DDH	From	To	Width (m)	Au (g/t)	Comments
RW-01-157	280.54	281.54	1.00	0.02	Ag 17 ppm. Locally bleached pillowed basalt. 5% quartz-calcite stringers, 5% po, 3% sp, 1% py, trace cp.
	284.57	285.36	0.79	0.08	Zn 10,340 ppm. Moderately silicified pillowed basalt with 3% quartz-calcite stringers, 5% po, 1% py.
RW-01-158	244.97	245.39	0.42	1.25	Ag 8 ppm. Flow breccia in pillowed basalt with 5% quartz-calcite stringers, 10% po and 5% asp.
RW-01-159	No significant values				
RW-01-160	No significant values				
RW-01-161	50.93	51.25	0.32	0.64	Ag 119 ppm, Cu 2870 ppm, Zn 5520 ppm. 10% sp, 5% po, 1% cp, 1% asp as stringers in pillowed basalt. CONDUCTIVE ZONE
	243.14	243.87	0.73	0.42	Ag 26 ppm, Cu 8830 ppm, Zn 1620 ppm. 5% quartz-calcite stringers, 10% cp, 10% po, 3% py, 1% asp in chloritic pillowed basalt. CONDUCTIVE ZONE
RW-01-162	115.46	116.18	0.72	2.83	Silicified mafic lapilli tuff, tuff breccia and agglomerate with 5% quartz-calcite stringers, 10% po, 5% py and 1% cp
	122.78	123.67	0.89	1.73	Mafic tuff as above with 5% quartz-calcite stringers, 10% po, 5% py and 1% cp
	185.27	185.87	0.60	1.06	Ag 31 ppm, Zn 16,320 ppm. Massive basalt with 20% quartz-calcite veins, 5% sp, 5% asp, 3% po, 2% cp and 2% gn
RW-01-163	144.52	145.52	1.00	2.42	Mafic tuff breccia and agglomerate with 5% thin quartz-calcite veins, 15% po, 5% cp and 3% py
RW-01-164	No significant values				

8.0 Conclusions

Targets drilled during this program returned isolated low gold values over short core widths. Occasional elevated silver values, also over short core widths, were often associated with thin interflow conductive horizons. All significant precious and base metal values are associated with quartz-calcite veining and/or sulfide stringers, associated with silicified, carbonatized or chloritized mafic volcanic rocks.

The zone of above-background gold values in the southern portion of the project area may be of interest. An Induced Polarization survey across and along strike of this zone may identify areas where gold values may be concentrated into economic quantities.

9.0 Recommendations

In the southern part of the project area an IP survey is recommended to test the strike length of the zone hosting above-background gold values identified in drill holes RW-01-162, -163 and -164.

10.0 References

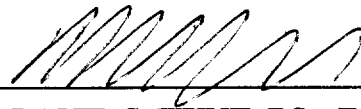
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12.0 Certificate of Qualifications

I, DAVID STANLEY HUNT of the City of Thunder Bay, District of Thunder Bay, do certify that:

- 1) I am a graduate of the Carleton University (B.Sc. 1969) in geological sciences;
- 2) I have practiced my profession continuously for 32 years since my graduation from Carleton University;
- 3) I am a member of the Prospectors and Developers Association of Canada, a Fellow of the Geological Association of Canada, a Director of the Northwestern Ontario Prospectors Association and a Director of the Ontario Prospectors Association.
- 4) The information presented herein is based on personal literature research, field supervision and drill core logging carried out on this project.
- 5) I have no beneficial interest in the property discussed in this report nor do I expect to receive any in the future.



DAVID S. HUNT, BSc, FGAC

August 8, 2001

Appendix I

Table 1 Land Tenure

Table 1: Land Tenure

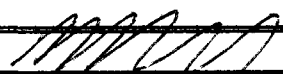
Claim Number	Township	Staking Date	Due Date	Work Req'd	Units	Comments
KRL 6178	Todd				1	Patented
KRL 6179	Todd				1	Patented
KRL 6180	Todd				1	Patented
KRL 6181	Todd				1	Patented
KRL 7336	Todd				1	Patented
KRL 7337	Todd				1	Patented
KRL 7338	Todd				1	Patented
KRL 8167	Todd				1	Patented
KRL 8168	Todd				1	Patented
KRL 8169	Todd				1	Patented
KRL 8170	Todd				1	Patented
KRL 8171	Todd				1	Patented
KRL 8571	Todd				1	Patented
KRL 8572	Todd				1	Patented
KRL 8573	Todd				1	Patented
KRL 9633	Todd				1	Patented
KRL 9634	Todd				1	Patented
KRL 9635	Todd				1	Patented
KRL 9635A	Todd				1	Patented
KRL 9636	Todd				1	Patented
KRL 9637	Todd				1	Patented
KRL 9638	Todd				1	Patented
KRL 9800	Todd				1	Patented
KRL 9801	Todd				1	Patented
KRL 9802	Todd				1	Patented
KRL 9999	Todd				1	Patented
KRL 10000	Todd				1	Patented
KRL 10070	Todd				1	Patented
KRL 10357	Todd				1	Patented
KRL 10371	Todd				1	Patented
KRL 10372	Todd				1	Patented
KRL 10392	Todd				1	Patented
KRL 10403	Todd				1	Patented
KRL 10404	Todd				1	Patented
KRL 10405	Todd				1	Patented
KRL 10406	Todd				1	Patented
KRL 10407	Todd				1	Patented
KRL 10408	Todd				1	Patented
KRL 10434	Todd				1	Patented
KRL 10435	Todd				1	Patented
KRL 10558	Todd				1	Patented
KRL 10563	Todd				1	Patented
KRL 10564	Todd				1	Patented
KRL 10602	Todd				1	Patented
KRL 10603	Todd					Patented
KRL 11115	Todd					Patented
KRL 27553	Todd					Licence of Occupation, surface and mining

KRL 30799	Todd				1	Patented
KRL 30835	Todd				1	Licence of Occupation, surface and mining
KRL 563661	Todd				1	Leased mining rights
KRL 200005	Todd				1	Leased mining rights
KRL 200006	Todd				1	Leased mining rights
KRL 200007	Todd				1	Leased mining rights
KRL 200008	Todd				1	Leased mining rights
KRL 200009	Todd				1	Leased mining rights
KRL 200010	Todd				1	Leased mining rights
KRL 200011	Todd				1	Leased mining rights
KRL 200012	Todd				1	Leased mining rights
KRL 200013	Todd				1	Leased mining rights
KRL 200276	Todd				1	Leased mining rights
KRL 200277	Todd				1	Leased mining rights
KRL 200278	Todd				1	Leased mining rights
KRL 200279	Todd				1	Leased mining rights
KRL 541924	Hammell Lake	Feb 3 1981	Sept 28 2001	400	1	
KRL 541925	Hammell Lake	Feb 3 1981	Sept 28 2001	400	1	
KRL 541926	Hammell Lake	Feb 3 1981	Sept 28 2001	400	1	
KRL 541927	Hammell Lake	Feb 3 1981	Sept 28 2001	400	1	
KRL 541928	Hammell Lake	Feb 3 1981	Sept 28 2001	400	1	
KRL 541929	Hammell Lake	Feb 3 1981	Sept 28 2001	400	1	
KRL 541930	Hammell Lake	Feb 3 1981	Sept 28 2001	400	1	
KRL 541931	Hammell Lake	Feb 3 1981	Sept 28 2001	400	1	
KRL 541932	Hammell Lake	Feb 3 1981	Sept 28 2001	400	1	
KRL 541933	Hammell Lake	Feb 3 1981	Sept 28 2001	400	1	
KRL 541934	Hammell Lake	Feb 3 1981	Sept 28 2001	400	1	
KRL 541935	Hammell Lake	Feb 3 1981	Sept 28 2001	400	1	
KRL 541936	Hammell Lake	Feb 3 1981	Sept 28 2001	400	1	
KRL 541937	Hammell Lake	Feb 3 1981	Sept 28 2001	400	1	
KRL 541938	Hammell Lake	Feb 3 1981	Sept 28 2001	400	1	
KRL 541939	Hammell Lake	Feb 3 1981	Sept 28 2001	400	1	
KRL 541940	Hammell Lake	Feb 3 1981	Sept 28 2001	400	1	
KRL 541941	Hammell Lake	Feb 3 1981	Sept 28 2001	400	1	
KRL 541942	Hammell Lake	Feb 3 1981	Sept 28 2001	400	1	
KRL 541943	Hammell Lake	Feb 3 1981	Sept 28 2001	400	1	
KRL 541944	Hammell Lake	Feb 3 1981	Sept 28 2001	400	1	
KRL 541945	Hammell Lake	Feb 3 1981	Sept 28 2001	400	1	
KRL 541946	Hammell Lake	Feb 3 1981	Sept 28 2001	400	1	
KRL 541947	Hammell Lake	Feb 3 1981	Sept 28 2001	400	1	
KRL 541948	Hammell Lake	Feb 3 1981	Sept 28 2001	400	1	
KRL 541949	Hammell Lake	Feb 3 1981	Sept 28 2001	400	1	
KRL 541950	Hammell Lake	Feb 3 1981	Sept 28 2001	400	1	
KRL 541951	Hammell Lake	Feb 3 1981	Sept 28 2001	400	1	
KRL 541952	Todd				1	Leased mining rights
KRL 541953	Todd				1	Leased mining rights
KRL 541954	Todd				1	Leased mining rights
KRL 563036	Hammell Lake	Oct 5 1981	Oct 5 2001	400	1	
KRL 563662	Todd				1	Leased mining rights
KRL 563666	Todd	Aug 25 1981	Aug 25 2001	400	1	
KRL 563667	Todd	Aug 25 1981	Aug 25 2001	400	1	
KRL 563668	Todd	Aug 25 1981	Aug 25 2001	400	1	
KRL 563669	Todd	Aug 25 1981	Aug 25 2001	400	1	

KRL 563946	Hammell Lake	Nov 19 1981	Nov 19 2001	400	1	
KRL 563947	Hammell Lake	Nov 19 1981	Nov 19 2001	400	1	
KRL 563948	Hammell Lake	Nov 19 1981	Nov 19 2001	400	1	
KRL 563949	Hammell Lake	Nov 19 1981	Nov 19 2001	400	1	
KRL 563950	Hammell Lake	Nov 19 1981	Nov 19 2001	400	1	
KRL 623493	Todd	Feb 18 1983	Sept 28 2001	400	1	
KRL 1144316	Hammell Lake	Jun 17 1999	Jun 17 2001	800	2	
KRL 1184146	Todd	May 26 2000	May 26 2002	800	2	
KRL 1184861	Hammell Lake	July 21 1997	Jul 21 2001	400	1	
KRL 1184862	Fairlie	July 21 1997	Jul 21 2001	2000	5	
KRL 1184863	Fairlie	July 21 1997	Jul 21 2001	800	2	
KRL 1218922	Hammell Lake	Aug 30 2000	Aug 30 2002	400	1	
KRL 1218923	Hammell Lake	Jul 25 2000	Jul 25 2002	1600	4	
KRL 1234138	Hammell Lake	May 24 2000	May 24 2002	1200	3	
KRL 1234139	Hammell Lake	May 24 2000	May 24 2002	3200	8	
KRL 1234151	Hammell Lake	Jul 27 2000	Jul 27 2002	1600	4	

Appendix II

Diamond Drill Logs

GOLDCORP	COMPANY:	GOLDCORP INC.		TWP. OR AREA:	Todd Twp.	HOLE NUMBER:	RW-01-157
	PROPERTY:	Rowan		CLAIM NO:	563036	NTS:	52 M/1
LOCATION:	S	W		COLLAR ELEV.	1000 (default)	DATUM:	UTM Zone 15 (NAD 27)
UTM ZONE:	15	LATITUDE:	LONGITUDE:	ACID TESTS		AZIMUTH:	180
		EASTING:	425896	NORTHING:	5656510	DIP @ COLLAR:	-50
DATES DRILLED:	From:	June 12, 2001	To:	June 16, 2001	DEPTH	AZ	ANGLE
DRILLED BY:	N. Morrissette						
ASSAYED BY:	Chemex Labs						
OVERBURDEN:	2m	CASING LENGTH:	2m	VERT. DEPTH:	64		-47
CASING DRILLED:	2m		2m		100		-48
CASING RECOVERED:	Casing left in hole						
BITS & SHOES LOST/USED:	1 shoe bit lost						
DESCRIPTION OF OVERBURDEN:	Sandy, bouldery till						
DRILL COLLAR MARKED BY:	Casing capped and covered with PVC pipe						
DRILL CUTTINGS SAMPLED?	No						
CORE RECOVERY:	100%						
SPECIAL DRILLING PROCEDURES:							
PURPOSE OF THIS HOLE:	To test Main Shear						
RESULTS:	Main Shear mineralization intersected from 279.49 to 292.36m						
COMMENTS:	Sperry Sun (dip only)						
	75m						-50
	200m						-48
	320m						-42
LOGGED BY:	D. S. Hunt		SIGNATURE:				0

PROPERTY:				CLAIM NO: 563036											HOLE NO: RW-01-157																	
LOGGED BY: D. S. Hunt															DATE(S) LOGGED: Jun. 13-17/ 01																	
Unit Type	Interval		Length	CODE		DESCRIPTION	SAMPLING				FABRIC			STRUCTURE			ALTERATION								SULPHIDE		%VN		NOTE			
	From	To	(m)	PCX	Modifiers		Sample #	From	To	Int.	Au ppb	TYP	STR	ANG	BXN	SHR	VN	BLE	SIL	DOL	CAL	BIO	SER	CHL	TLC	M.A.	%PY	%PO		Qz	Fe	Cal
M	0.00	2.00	2.00	OB		CASING IN OVERBURDEN. Sandy, bouldery till.																										
M	2.00	11.63	9.63	1A		<p>MASSIVE BASALT FLOWS: Medium grayish green, very fine to medium grained (variably textured), soft to hard, non-magnetic. 1 to 3% thin quartz and calcite stringers and fracture fillings at various angles. Trace pyrite and pyrrhotite as blebs. Lower contact sharp at 35 deg to core axis.</p> <p>2.96 - 4.14: 10% qtz-calcite stringers, to 3 cm, mainly at 25 - 40 deg. 1% po, 1% py.</p> <p>11.27 - 11.63: 5% thin quartz and calcite stringers parallel to foliation at 35 deg. Trace py, po.</p>	632001	2.96	3.69	0.73	10	fol	1	48															tr	tr	1.0	1.0
							632002	3.69	4.14	0.45	10																1.0	1.0	5.0	5.0		
							632003	11.27	11.63	0.36	<5																tr	tr	3.0	2.0		
S	11.63	11.85	0.22	5A		CHERTY INTERFLOW SEDIMENT: Dark gray, very fine grained to aphanitic, hard to moderately hard, non-magnetic. Well bedded at 35 deg. 5% thin quartz stringers (or laminations) parallel to bedding. Trace py as blebs. Lower contact at 35 deg.	632004	11.63	11.85	0.22	<5	bd	3	35											0	tr	tr	5.0				
M	11.85	93.37	81.52	1A		<p>MASSIVE BASALT FLOWS: Similar to 2.00 - 11.63, but locally pillowed. Locally very weakly magnetic. Occasional thin wispy epidote-rich stringers at various angles. Local coarse to very coarse grained sections. Local moderate to strong foliation at 25 to 45 deg.</p> <p>27.72 - 28.00: Blocky, moderately rusty zone.</p> <p>64.23 - 64.78: Rusty, blocky zone.</p> <p>65.55 - 66.25: Rusty, blocky zone.</p> <p>68.76 - 68.98: Rusty, blocky zone.</p> <p>Lower contact at 50 deg.</p>						fol	2	40												1	tr	tr	1.0	1.0		
						15.81 - 16.41: Locally fractured and/or brecciated. 5% wispy quartz and 5% wispy calcite fracture fillings/stringers, mainly parallel to foliation. 1% py and 1% po	632005	15.81	16.41	0.60	15				1	10									1	1.0	1.0	5.0	5.0			
						19.13 - 19.47: 20% quartz-feldspar-calcite veins, to 3.5 cm, at 60 deg. No sulfides.	632006	19.13	19.47	0.34	<5														1	0.0	0.0	10.0	2.0	8% fsp		

PROPERTY: Rowan										CLAIM NO: 563036										HOLE NO: RW-01-157											
LOGGED BY: D. S. Hunt																				DATE(S) LOGGED: Jun. 13-17/01											
Unit	Interval		Length (m)	CODE		DESCRIPTION	SAMPLING				FABRIC			STRUCTURE			ALTERATION							MAG		SULPHIDE		%VN			NOTE
	Type	From		To	PCX		Modifiers	Sample #	From	To	Int.	Au ppb	TYP	STR	ANG	BXN	SHR	VN	BLE	SIL	DOL	CAL	BIO	SER	CHL	TLC	M.A.	%PY	%PO	Qz	
						26.70 - 27.19: 10% thin, wispy calcite-quartz stringers at various	632007	26.70	27.19	0.49	10														1	tr	tr	5.0	5.0		
						29.14 - 30.19: Moderate fracturing and autobrecciation. Locally weakly bleached or carbonatized. 10% calcite and quartz as fracture-filling. 1% fine pyrite.	632008	29.14	30.19	1.05	<5			2		10	1								1	1.0	0.0	5.0	5.0		
						31.71 - 32.00: Weakly bleached, hematized and possibly epidotized. 5% thin quartz-calcite stringers mainly parallel to foliation. Trace pyrite.	632009	31.71	32.00	0.29	<5					5	1								0	1.0		2.0	3.0	hem-wk	
						32.47 - 36.17: Locally very weakly bleached and carbonatized. 3-5% thin quartz-calcite stringers mainly parallel to foliation at 25-35 deg. Trace py and cp.	632010	32.47	33.46	0.99	<5	fol	2	25			1		1	1					0	tr		3.0	2.0	tr cp	
							632011	33.46	34.40	0.94	<5	fol	2	25			1		1	1				0	tr		3.0	2.0	tr cp		
							632012	34.40	35.40	1.00	<5	fol	2	25			1		1	1				0	tr		3.0	2.0	tr cp		
							632013	35.40	36.17	0.77	<5	fol	2	25			1		1	1				0	tr		3.0	2.0	tr cp		
						40.95 - 41.47: 30% sinuous calcite-quartz stringers to 3 cm, mainly at shallow angles to core axis. Weakly carbonatized. 15% stringer pyrite.	632014	40.95	41.47	0.52	<5	fol	3	25		30	1		1					0	15.0		15.0	15.0			
						44.46 - 45.66: Massive and coarse grained. Locally blocky and fractured with considerable limonite staining. 3% thin quartz-calcite stringers at various angles.	632015	44.46	45.36	0.90	<5			1		3									0	0.0		1.0	2.0		
							632016	45.36	45.66	0.30	<5			1		3								0	0.0		1.0	2.0			
						48.19 - 58.11: Weakly to moderately carbonatized, weakly to moderately fractured/autobrecciated. Weak to strong foliation at 25 - 45 deg. 10% thin, wispy quartz-calcite stringers and fracture-fillings mainly parallel to foliation. 1% py and 1% po, scattered.	632017	48.19	49.19	1.00	<5	fol	2	35	2	10	2		2	1					0	1.0	1.0	5.0	5.0		
							632018	49.19	50.18	0.99	<5	fol	2	35	2	10	2		2	1				0	1.0	1.0	5.0	5.0			
							632019	50.18	51.18	1.00	<5	fol	2	35	2	10	2		2	1				0	1.0	1.0	5.0	5.0			
							632020	51.18	52.18	1.00	<5	fol	2	35	2	10	2		2	1				0	1.0	1.0	5.0	5.0			
							632021	52.18	53.18	1.00	<5	fol	2	35	2	10	2		2	1				0	1.0	1.0	5.0	5.0			
							632022	53.18	54.18	1.00	<5	fol	2	35	2	10	2		2	1				0	1.0	1.0	5.0	5.0			
							632023	54.18	55.16	0.98	<5	fol	2	35	2	10	2		2	1				0	1.0	1.0	5.0	5.0			
							632024	55.16	56.16	1.00	<5	fol	2	35	2	10	2		2	1				0	1.0	1.0	5.0	5.0			

PROPERTY: Rowan					CLAIM NO: 563036										HOLE NO: RW-01-157														
LOGGED BY: D. S. Hunt					DATE(S) LOGGED: Jun. 13-17/01																								
Unit Type	Interval		Length (m)	CODE		DESCRIPTION	SAMPLING				FABRIC			STRUCTURE			ALTERATION							MAG	SULPHIDE		%VN		NOTE
	From	To		PCX	Modifiers		Sample #	From	To	Int.	Au ppb	TYP	STR	ANG	BKN	SHR	VN	BLE	SIL	DOL	CAL	BIO	SER		CHL	TLC	M.A.	%PY	
						59.36 - 59.95: A moderate number of irregular chlorite and/or carbonaceous bands parallel to foliation. 20% wispy, thin quartz-calcite stringers mainly parallel to foliation. 3% disseminated pyrite as cubes.	632025	56.16	57.16	1.00	<5	fol	2	35	2	10	2	2	1					0	1.0	1.0	5.0	5.0	
							632026	57.16	58.11	0.95	<5	fol	2	35	2	10	2	2	1					0	1.0	1.0	5.0	5.0	
							632027	59.36	59.95	0.59	<5	fol	2	40	1	20	1	1	1						3.0		10.0	10.0	
						61.65 - 62.00: Weakly carbonatized. 10% quartz veins, to 1.5 cm, parallel to foliation.	632028	61.65	62.00	0.35	<5	fol	2	40		10	1		1								10.0		
						62.91 - 63.44: Weakly carbonatized. 20% quartz-calcite stringers, to 1.5 cm, mainly parallel to foliation.	632029	62.91	63.44	0.53	<5	fol	2	40		20	1		1								10.0	10.0	
						67.40 - 67.95: Weakly carbonatized. 20% thin, wispy quartz-calcite stringers at various angles. Trace disseminated pyrite.	632030	67.40	67.95	0.55	<5	fol	2	40		20	1		1						tr		10.0	10.0	
						69.08 - 69.65: Weakly carbonatized. 20% thin, wispy quartz-calcite stringers at various angles.	632031	69.08	69.65	0.57	<5	fol	2	40		20	1		1								10.0	10.0	
						72.25 - 72.79: 20% quartz-calcite veins, to 4 cm, at 30 deg. 1% thin, wispy epidote stringers. 1% disseminated pyrite.	632032	72.25	72.79	0.54	<5	fol	1	40		20									1.0		15.0	5.0	1% ep
						79.12 - 79.73: Weakly carbonatized. 30% quartz-calcite veins and stringers, to 3.5 cm, mainly parallel to foliation. 1% disseminated pyrite.	632033	79.12	79.73	0.61	<5	fol	2	45		30	1		1						1.0		20.0	10.0	
						88.64 - 90.44: Weakly carbonatized. 10% thin, wispy quartz-calcite stringers mainly parallel to foliation. 3% pyrrhotite and 1% pyrite.	632034	88.64	89.60	0.96	40	fol	2	35		10			1						1.0	3.0	5.0	5.0	
							632035	89.60	90.44	0.84	<5	fol	2	35		10			1						1.0	3.0	5.0	5.0	
							632036	91.56	91.77	0.21	<5	fol	1	35		70										35.0	35.0		
S	93.37	93.86	0.49	5A		CHERTY INTERFLOW SEDIMENT. Medium to dark grayish brown, very fine grained to aphanitic, hard to soft, locally weakly magnetic (due to pyrrhotite). Bedding at 45 deg, apparently topping up hole. Lower contact at 50 deg.						bd		45															
						10% thin quartz veins parallel to bedding. 5% pyrite and 3% pyrrhotite, as blebs	632037	93.37	93.86	0.49	<5					10									5.0	3.0	10.0		

PROPERTY: Rowan				CLAIM NO: 563036														HOLE NO: RW-01-157														
LOGGED BY: D. S. Hunt																		DATE(S) LOGGED: Jun. 13-17/01														
Unit Type	Interval		Length	CODE		DESCRIPTION	SAMPLING				FABRIC			STRUCTURE			ALTERATION								MAG		SULPHIDE		%VN			NOTE
	From	To	(m)	PCX	Modifiers		Sample #	From	To	Int.	Au ppb	TYP	STR	ANG	BXN	SER	VN	BLE	SIL	DOL	CAL	BIO	SER	CHL	TLC	M.A.	%PY	%PO	Qz	Fe	Ca	
M	93.86	152.08	58.22	IP		PILLOWED AND MASSIVE BASALT FLOWS. Similar to 11.85 - 93.37, but commonly weakly to moderately magnetic (due to variable pyrrhotite content). Average 3% quartz-calcite veins and/or stringers throughout. 1% pyrrhotite, trace pyrite. Local weak to moderate foliation at 35 - 70 deg.					fol	53			3										1	tr	1.0	1.0		2.0		
						100.94 - 101.05: Thin cherty interflow sediment at 60 deg.																										
						108.68 - 108.77: Fault gouge at 70 deg.					flt	70																				
						110.06 - 110.26: Fault gouge at 80 deg.					flt	80																				
						Lower contact at 25 deg.					con	25																				
						93.86 - 94.19: 10% quartz veins, to 2 cm, at 40 to 70 deg.	632038	93.86	94.19	0.33	<5					10													10.0			
						97.07 - 97.69: 20% quartz-calcite veins, to 3 cm, mainly at 50 deg. 3% pyrrhotite as scattered blebs.	632039	97.07	97.69	0.62	<5					20												3.0	15.0		5.0	
						98.05 - 98.48: Massive, coarse grained, weakly talcose. 10% quartz veins, to 1 cm, at various angles. 5% blebby pyrrhotite.	632040	98.05	98.48	0.43	<5					10								2			5.0	10.0				
						99.28 - 100.26: 5% quartz-calcite veins, to 2 cm, mainly at 25 deg. 3% pyrrhotite as scattered blebs and stringers.	632041	99.28	100.26	0.98	<5					5								2			3.0	3.0			2.0	
						103.22 - 104.00: Local flow breccia. 5% quartz-calcite veins, to 7 cm, mainly parallel to foliation. 5% pyrrhotite as blebs and stringers.	632042	103.22	104.00	0.78	<5	fol	2	35		5								2			5.0	3.0			2.0	
						104.00 - 104.63: 5% thin quartz-calcite stringers at various angles. 5% pyrrhotite and 5% pyrite associated with stringers and pillow selvages.	632043	104.00	104.63	0.63	<5	fol	1	35		5								1			5.0	5.0	2.0		3.0	
						116.12 - 116.69: 10% quartz-calcite veins, to 4.5 cm, parallel to foliation.	632044	116.12	116.69	0.57	<5	fol	1	65		10														6.0	4.0	
						126.78 - 129.41: Weakly carbonatized and locally weakly brecciated (or autobrecciated). Locally weakly bleached and/or epidotized. 5% quartz-calcite stringers and veins, to 1.5 cm, mainly parallel to foliation. 8% pyrrhotite, 7% pyrite and trace chalcopyrite, mainly as wisps, fracture fillings and thin stringers.	632045	126.78	127.78	1.00	<5	fol	1	60	1	5	1		1					2			7.0	8.0	3.0		2.0	tr cp
							632046	127.78	128.78	1.00	<5	fol	1	60	1	5	1		1					2			7.0	8.0	3.0		2.0	tr cp
							632047	128.78	129.41	0.63	<5	fol	1	60	1	5	1		1					2			7.0	8.0	3.0		2.0	tr cp
						134.66 - 134.91: 70% calcite-quartz vein at 55 deg. 1% pyrrhotite and 1% pyrite.	632048	134.66	134.91	0.25	<5					70											1.0	1.0	20.0		50.0	

PROPERTY: Rowan						CLAIM NO: 563036										HOLE NO: RW-01-157															
LOGGED BY: D. S. Hunt						DATE(S) LOGGED: Jun. 13-17/01																									
Unit Type	Interval		Length (m)	CODE		DESCRIPTION	SAMPLING					FABRIC			STRUCTURE			ALTERATION						MAG		SULPHIDE		%VN			NOTE
	From	To		PCX	Modifiers		Sample #	From	To	Int.	An ppb	TYP	STR	ANG	BXN	SHR	VN	BLE	SIL	DOL	CAL	BIO	SER	CHL	TLC	M.A.	%PY	%PO	Qz	Fo	
						147.70 - 148.47: Weakly bleached. 20% quartz-calcite veins, to 2 cm, at various angles. 1% pyrite, 1% pyrrhotite.	632049	147.70	148.47	0.77	<5	fol	2	35											0	1.0	1.0	15.0	5.0		
M	152.08	156.03	3.95	1E		MAFIC FLOW BRECCIA. Locally bleached and contorted flow breccia. 5% quartz veins, to 1.5 cm, mainly parallel to foliation. 10% po, 3% py and 1% cp as blebs, stringers and fracture fillings. Lower contact at 55 deg.	632051	152.08	153.08	1.00	<5	fol	2	35	2		5	1		1					2	3.0	10.0	4.0		1.0	1% cp
							632052	153.08	154.08	1.00	<5	fol	2	35	2		5	1		1					2	3.0	10.0	4.0		1.0	1% cp
							632053	154.08	154.55	0.47	<5	fol	2	35	2		5	1		1					2	3.0	10.0	4.0		1.0	1% cp
							632054	154.55	155.55	1.00	<5	fol	2	35	2		5	1		1					2	3.0	10.0	4.0		1.0	1% cp
							632055	155.55	156.03	0.48	<5	fol	2	35	2		5	1		1					2	3.0	10.0	4.0		1.0	1% cp
M	156.03	160.71	4.68	1P		PILLOWED BASALT FLOWS. Locally weakly bleached and carbonatized. Locally weakly fractured. Weak foliation at 65 deg. Locally weakly magnetic due to po. 7% po and trace cp. Lower contact at 75 deg. 156.03 - 157.18: Locally bleached and weakly fractured. 10% po and 5% py and trace cp. 157.18 - 160.71: Locally weakly bleached and carbonatized. 10% quartz-calcite stringers, to 1 cm, at various angles. 5% po as stringers and trace cp as scattered blebs.	632056	156.03	156.62	0.59	<5	fol	1	65												1	5.0	7.0			trace cp
							632057	156.62	157.18	0.56	<5	fol	1	65												5.0	10.0			trace cp	
							632058	157.18	158.00	0.82	<5	fol	1	65		10		1		1				1		5.0	5.0	5.0		5.0	trace cp
							632059	158.00	158.27	0.27	<5	fol	1	65		10		1		1				1		5.0	5.0		5.0	trace cp	
							632060	158.27	159.27	1.00	<5	fol	1	65		10		1		1				1		5.0	5.0		5.0	trace cp	
							632061	159.27	160.24	0.97	<5	fol	1	65		10		1		1				1		5.0	5.0		5.0	trace cp	
							632062	160.24	160.71	0.47	<5	fol	1	65		10		1		1				1		5.0	5.0		5.0	trace cp	
M	160.71	164.92	4.21	1E		MAFIC FLOW BRECCIA. Medium grayish green, soft to moderately soft, with calcite-quartz breccia matrix. Locally weakly magnetic due to pyrrhotite. Locally contorted and weakly carbonatized. Strong foliation at 20 deg. 3% disseminated pyrrhotite and 1% chalcopyrite. Lower contact at 45 deg.	632063	160.71	161.71	1.00	<5	fol	3	20	3				1		1				1		3.0	5.0		5.0	1% cp
							632064	161.71	162.71	1.00	<5	fol	3	20	3				1		1				1		3.0	5.0		5.0	1% cp
							632065	162.71	163.71	1.00	<5	fol	3	20	3				1		1				1		3.0	5.0		5.0	1% cp
							632066	163.71	164.71	1.00	<5	fol	3	20	3				1		1				1		3.0	5.0		5.0	1% cp

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Unit	Interval		Length	CODE		DESCRIPTION	SAMPLING					FABRIC			STRUCTURE			ALTERATION							MAG		SULPHIDE			%VN			NOTE
Type	From	To	(m)	PCX	Modifiers		Sample #	From	To	Int.	Au ppb	TYP	STR	ANG	BXN	SHR	VN	BLE	SIL	DOL	CAL	BIO	SER	CHL	TLC	M.A.	%PY	%PO	Qz	Fe	Cm		
							632067	164.71	164.92	0.21	<5	fol	3	20	3											1		3.0	5.0		5.0	1% cp	
M	164.92	207.76	42.84	IP		PILLOWED BASALT FLOWS. Similar to 156.03 - 160.71, with minor flow breccia horizons. Locally strongly foliated, contorted and autobrecciated. Occasional pale pink, fine grained, fractured, thin granitic intrusions mainly within pillow selvages. Lower contact parallel to foliation at 35 deg. 164.92 - 167.32: Locally bleached and weakly carbonatized. 1% quartz-calcite stringers, to 1 cm, mainly parallel to foliation. 5% pyrrhotite as thin stringers and splashes.	632068	164.92	165.88	0.96	<5	fol	2	65			1	1		1						1		5.0	0.5		0.5		
						168.54 - 168.99: 15% granitic intrusions. 5% po and 1% py as fracture-fillings in granite.	632069	165.88	166.52	0.64	5	fol	2	65			1	1		1						1		5.0	0.5		0.5		
						169.38 - 169.85: 10% granitic intrusions. 10% po and 3% py.	632070	166.52	167.32	0.80	<5	fol	2	65			1	1		1						1		5.0	0.5		0.5		
						172.70 - 173.00: Locally weakly bleached. 20% quartz-calcite veins, to 5 cm, mainly parallel to foliation. 3% po and 1% py.	632071	168.54	168.99	0.45	<5	fol	2	65	1											1		5.0					
						177.87 - 178.48: 20% granitic intrusions. 5% po and 1% py.	632072	169.38	169.85	0.47	10	fol	2	65	1											1	3.0	10.0					
						179.27 - 179.93: 10% granitic intrusions. 10% py and 3% po.	632073	172.70	173.00	0.30	45	fol	1	65				1		1						1	1.0	3.0	10.0		10.0		
						192.13 - 193.15: Moderately bleached autobreccia zone. Strongly foliated sub-parallel to core axis. 20% calcite veins, to 1.5 cm, parallel to foliation.	632074	177.87	178.48	0.61	15	fol	1	40														1.0	5.0				
						196.16 - 197.00: Moderately bleached and weakly carbonatized. Brecciated. 20% quartz-calcite veins, to 2 cm, at various angles.	632075	179.27	179.93	0.66	<5	fol	2	50													10.0	3.0					
						196.16 - 197.00: Moderately bleached and weakly carbonatized. Brecciated. 20% quartz-calcite veins, to 2 cm, at various angles.	632076	192.13	193.15	1.02	<5	fol	3	5	3	20	1		1												20.0		
						196.16 - 197.00: Moderately bleached and weakly carbonatized. Brecciated. 20% quartz-calcite veins, to 2 cm, at various angles.	632077	196.16	197.00	0.84	20	fol	2	30	1	20													5.0		15.0		
S	207.76	208.10	0.34	7B		SHEARED FELDSPAR PORPHYRY. Medium buff-brown, very fine to coarse grained with white to pale green feldspar phenocrysts to 0.2 cm diameter. Moderately hard, weakly sericitic. Moderate to strong foliation at 35 deg. 3% thin calcite-quartz stringers at 25 deg. 1% pyrrhotite and 1% pyrite, disseminated. Lower contact parallel to foliation at 35 deg.						fol	2	35			3						1				1.0	1.0	1.0		2.0		
												con		35																			

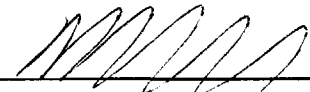
PROPERTY: Rowan						CLAIM NO: 563036										HOLE NO: RW-01-157																
LOGGED BY: D. S. Hunt																DATE(S) LOGGED: Jun. 13-17/01																
Unit	Interval		Length	CODE		DESCRIPTION	SAMPLING				FABRIC			STRUCTURE			ALTERATION				MAG	SULPHIDE		%VN		NOTE						
Type	From	To	(m)	PCX	Modifiers		Sample #	From	To	Int.	An ppb	TYP	STR	ANG	BKN	SHR	VN	BLE	SIL	DOL	CAL	BIO	SER	CHL	TLC	M.A.	%PY	%PO	Qz	Fe	Cal	
M	208.10	217.97	9.87	1P		PILLOWED BASALT FLOWS. Similar to 164.92 - 207.76. Non to moderately magnetic depending upon pyrrhotite content. 10% thin wispy quartz-calcite stringers mainly parallel to foliation. 1% thin, wispy epidote stringers. 3% pyrrhotite and 1% chalcopyrite. Lower contact at 25 deg.						fol	1	25			10											3.0	5.0		5.0	tr cp, 1% ep
S	217.97	220.08	2.11	7B		FELDSPAR PORPHYRY. Similar to 207.76 - 208.10. 1% pyrrhotite and trace pyrite, disseminated. 219.04 - 219.28: Basalt. Lower contact undulating at 20 deg.						fol	2	30									1				1.0				tr cp	
M	220.08	229.96	9.88	1P		PILLOWED BASALT FLOWS. Similar to 208.10 - 217.97. Lower contact sharp at 60 deg. 220.08 - 221.53: 5% thin quartz-calcite stringers at various angles. 10% po and 3% cp as blebs and splashes.	632078	220.08	221.00	0.92	10	fol	2	30			5										10.0	2.0		3.0	3% cp	
							632079	221.00	221.53	0.53	10	fol	2	30			5									10.0	2.0		3.0	3% cp		
S	229.96	230.25	0.29	7B		FELDSPAR PORPHYRY. Similar to 217.97 - 220.08. Lower contact sharp at 45 deg.						con		45																		
M	230.25	233.35	3.10	1P		PILLOWED BASALT FLOWS. Similar to 220.08 - 229.96. Weak foliation at 45 deg. 3% thin quartz-calcite stringers at various angles. Lower contact at 25 deg.						fol	1	45			3											1.0	2.0			
S	233.35	234.56	1.21	6E		DIABASE DYKE. Medium grayish-brown, very fine grained, moderately hard to hard, weakly magnetic. 3% thin quartz-calcite stringers sub-parallel to core axis. Occasional fractures at 45 deg. Lower contact at 5 deg.						con		5			3								1			1.0	2.0			

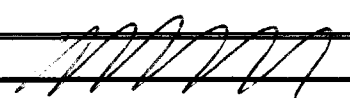
PROPERTY:		Rowan										CLAIM NO: 563036										HOLE NO: RW-01-157									
LOGGED BY:		D. S. Hunt																				DATE(S) LOGGED: Jun. 13-17/01									
Unit Type	Interval		Length (m)	CODE		DESCRIPTION	SAMPLING					FABRIC			STRUCTURE			ALTERATION							MAG	SULPHIDE		%VN			NOTE
	From	To		PCX	Modifiers		Sample #	From	To	Int.	Au ppb	TYP	STR	ANG	BXN	SHR	VN	BLE	SIL	DOL	CAL	BIO	SER	CHL		TLC	M.A.	%PY	%PO	Qz	
M	234.56	241.53	6.97	1F		WEAKLY TALCOSE BASALT FLOWS. Medium gray, very fine grained, soft to moderately soft, weakly talcose. Moderate foliation at 5 - 40 deg. 1% thin epidote stringers at various angles. 3% thin quartz-calcite stringers at various angles. 5% pyrrhotite as blebs and 3% pyrite as scattered cubes. Lower contact indistinct.						fol	2	20			4								1	3.0	5.0	1.0		2.0	
M	241.53	259.63	18.10	1A		MASSIVE BASALT FLOWS. Medium grayish green, very fine grained, soft to moderately hard, locally weakly magnetic. Locally very weakly talcose. Weak to moderate foliation at 25 - 60 deg. 5% thin quartz-calcite stringers at various angles. 1% pyrrhotite as scattered blebs and trace chalcopyrite. Lower contact sharp at 55 deg.						fol	1	40			5								1		1.0	3.0		2.0	tr cp
M	259.63	262.20	2.57	6E		FELDSPAR PORPHYRY. Similar to 233.35 - 234.56. Weak foliation at 55 deg. 5% thin quartz-calcite stringers at various angles. Weakly sericitic. 3% disseminated pyrite. 261.19 - 261.66: Basalt, 5% disseminated pyrite. Lower contact sharp at 65 deg.						fol	1	55			5					1				3.0					
M	262.20	317.68	55.48	1P		PILLOWED BASALT FLOWS. Medium grayish green, very fine grained, soft to hard, non- to strongly magnetic depending upon pyrrhotite content. Locally bleached and silicified. Weak to strong foliation at 25 - 55 deg. 3% quartz-calcite stringers, to 1 cm, at various angles. 1% pyrrhotite and 1% pyrite. Main Shear' mineralization concentrated between 279.49 - 292.36m.						fol	2	40			3									1.0	1.0	1.0		2.0	

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Unit	Interval		Length (m)	CODE		DESCRIPTION	SAMPLING					FABRIC			STRUCTURE			ALTERATION								MAG	SULPHIDE		%VN			NOTE						
	Type	From		To	PCX		Modifiers	Sample #	From	To	Int.	Au ppb	TYP	STR	ANG	BXN	SHR	VN	BLE	SIL	DOL	CAL	BIO	SER	CHL		TLC	M.A.	%PY	%PO	Qz		Fe	Ca				
						Lower contact sharp at 65 deg.																																
						268.75 - 270.22: 15% quartz-calcite veins, to 4 cm, mainly parallel to foliation. 5% pyrite and 3% pyrrhotite, disseminated.	632080	268.75	269.75	1.00	<5	con fol	2 45				15											3.0	5.0	5.0						10.0		
						270.74 - 271.71: Locally weakly bleached. 7% quartz-calcite veins, to 3 cm, mainly parallel to foliation. 5% pyrrhotite as blebs, splashes and thin stringers.	632081	269.75	270.22	0.47	<5	fol	2 45				15										3.0	5.0	5.0						10.0			
						272.00 - 272.86: Moderately bleached. 20% quartz veins/flooding, to 12 cm, mainly parallel to foliation. 3% po and 1% py.	632082	270.74	271.71	0.97	<5	fol	2 45				7	1								1		5.0	3.0							4.0		
						272.86 - 273.17: Weakly bleached. 5% po and 1% py.	632083	272.00	272.86	0.86	<5	fol	2 45				20	2								1	1.0	3.0	10.0								10.0	
						273.17 - 275.46: Locally weakly bleached. 3% thin quartz-calcite stringers mainly parallel to foliation. 10% po and 1% py.	632084	272.86	273.17	0.31	5	fol	2 45					1								1	1.0	5.0									2.0	
						275.46 - 275.75: 50% quartz-calcite veins, to 3 cm, mainly at 50 deg. 5% po and 1% py.	632085	273.17	274.17	1.00	15	fol	2 45				3	1								3	1.0	10.0	1.0								2.0	
						275.75 - 276.94: 3% thin quartz-calcite stringers mainly parallel to foliation. 5% po and 1% py.	632086	274.17	275.17	1.00	<5	fol	2 45				3	1								3	1.0	10.0	1.0								2.0	
						276.94 - 279.13: Locally weakly bleached. 3% thin quartz-calcite stringers mainly parallel to foliation. 5% po and 1% py.	632087	275.17	275.46	0.29	5	fol	2 45				3	1								3	1.0	10.0	1.0								2.0	
						279.13 - 279.49: 3% thin quartz-calcite stringers parallel to foliation. 5% sphalerite, as thin bands parallel to foliation, 1% po and 1% py.	632088	275.46	275.75	0.29	<5	fol	2 45				50									3	1.0	5.0	25.0								25.0	
						279.49 - 280.54: Locally weakly bleached. 3% thin quartz-calcite stringers mainly parallel to foliation. 15% po, 3% cp, 1 py and trace asp.	632089	275.75	276.71	0.96	15	fol	2 45				3									3	1.0	5.0	1.0								2.0	
							632090	276.71	276.94	0.23	15	fol	3 40				3									3	1.0	5.0	1.0							2.0		
							632091	276.94	277.90	0.96	<5	fol	3 40				3	1								2	1.0	5.0	2.0							1.0		
							632092	277.90	278.90	1.00	<5	fol	3 40				3	1								2	1.0	5.0	2.0							1.0		
							632093	278.90	279.13	0.23	5	fol	3 40				3	1								2	1.0	5.0	2.0							1.0		
							632094	279.13	279.49	0.36	<5	fol	3 40				3									3	1.0	1.0	2.0						1.0	5% sp		
							632095	279.49	280.25	0.76	10	fol	3 40				3	1								3	1.0	15.0	1.0						2.0	3% cp, 1% asp		
							632096	280.25	280.54	0.29	15	fol	3 40				3	1								3	1.0	15.0	1.0						2.0	3% cp, 1% asp		

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Unit Type	Interval		Length (m)	CODE		DESCRIPTION	SAMPLING				FABRIC			STRUCTURE			ALTERATION							MAG	SULPHIDE		%VN			NOTE	
	From	To		PCX	Modifiers		Sample #	From	To	Int.	Au ppb	TYP	STR	ANG	BXN	SER	VN	BLE	SIL	DOL	CAL	BIO	SER		CHL	TLC	M.A.	%PY	%PO		Qz
						280.54 - 283.40: Locally weakly bleached. 5% thin quartz-calcite stringers at various angles and 3% thin epidote stringers at various angles. 5% po, 3% sp, 1% py and tr cp as blebs and stringers mainly parallel to foliation.	632097	280.54	281.54	1.00	20	fol	3	40			8	1							3	1.0	5.0	3.0		2.0	3% sp, 1% cp
							632098	281.54	282.54	1.00	<5	fol	2	50			8	1						2	1.0	5.0	3.0		2.0	3% sp, 1% cp	
							632099	282.54	283.40	0.86	<5	fol	2	50			8	1						2	1.0	5.0	3.0		2.0	3% sp, 1% cp	
						283.40 - 284.00: Moderately silicified and weakly bleached. 15% po, 5% py as stringers.	632101	283.40	284.00	0.60	<5	fol	2	50					1	2				2	5.0	15.0					
						284.00 - 285.36: Moderately silicified. 3% thin quartz-calcite stringers at various angles. 5% po and 1% py as thin stringers.	632102	284.00	284.57	0.57	10	fol	2	50			3							2	1.0	5.0	2.0		1.0		
							632103	284.57	285.36	0.79	80	fol	2	50			3							2	1.0	5.0	2.0		1.0		
						285.36 - 285.70: Silicified. 10% thin quartz-calcite stringers mainly parallel to foliation. 10% sp and 3% po as stringers mainly parallel to foliation; 1% py and 1% asp, disseminated.	632104	285.36	285.70	0.34	50	fol	2	50			10							3	1.0	3.0	5.0		5.0	10% sp, 1% asp	
						285.70 - 286.27: Moderately silicified. 3% thin quartz-calcite stringers mainly parallel to foliation. 3% po and 1% py.	632105	285.70	286.27	0.57	60	fol	2	50			3							3	1.0	3.0	2.0		1.0		
						286.27 - 286.63: Strongly silicified. 20% po, 5% py and 3% cp, as stringers mainly parallel to foliation.	632106	286.27	286.63	0.36	<5	fol	2	50										3	5.0	20.0				3% cp	
						286.63 - 288.40: Locally weakly silicified. 3% thin quartz-calcite stringers at various angles. 5% po and 1% py.	632107	286.63	287.63	1.00	<5	fol	2	50			3							3	1.0	5.0	2.0		1.0		
							632108	287.63	288.40	0.77	15	fol	2	50			3							3	1.0	5.0	2.0		1.0		
						288.40 - 288.72: Strongly silicified and weakly bleached. 10% quartz-calcite stringers sub-parallel to core axis. 20% po, 10% py and 3% sp as stringers, 3% cp as disseminated splashes.	632109	288.40	288.72	0.32	<5	fol	2	45			10	1		3				3	10.0	20.0	5.0		5.0	3% cp, 3% sp	
						288.72 - 292.36: Locally weakly silicified and bleached. 5% quartz-calcite stringers, to 2 cm, mainly parallel to foliation. 3% po and 1% py as thin stringers.	632110	288.72	289.59	0.87	<5	fol	2	45			5	1		1				2	1.0	3.0	3.0		2.0		
							632111	289.59	290.59	1.00	5	fol	2	45			5	1		1				2	1.0	3.0	3.0		2.0		
							632112	290.59	291.59	1.00	<5	fol	2	45			5	1		1				2	1.0	3.0	3.0		2.0		
							632113	291.59	292.50	0.91	<5	fol	2	45			5	1		1				2	1.0	3.0	3.0		2.0		
							632114	292.50	292.86	0.36	<5	fol	2	45			5	1		1				2	1.0	3.0	3.0		2.0		

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Unit Type	Interval		Length (m)	CODE		DESCRIPTION	SAMPLING				FABRIC			STRUCTURE			ALTERATION							MAG M.A.	SULPHIDE		%VN			NOTE		
	From	To		PCX	Modifiers		Sample #	From	To	Int.	Au ppb	TYP	STR	ANG	BXN	SHR	VN	BLE	SIL	DOL	CAL	BIO	SER		CHL	TLC	%PY	%PO	Qc		Fe	Cal
						293.57 - 294.53: Locally bleached and silicified. 10% quartz - calcite - (feldspar) stringers at various angles. 10% po, 5% py and 3% cp as stringers.	632115	293.57	294.53	0.96	<5	fol	2	45			10	2	2								3	5.0	10.0	5.0	5.0	3% cp
						295.19 - 295.69: Silicified. 15% quartz-calcite veins, to 5 cm, parallel to foliation. 1% py and 1% po associated with veins.	632116	295.19	295.69	0.50	45	fol	2	45			15		2							1	1.0	1.0	7.5	7.5		
						302.83 - 304.37: 3% thin quartz-calcite stringers and 5% epidote-rich stringers mainly parallel to foliation. 10% po, 5% py and 3% cp as stringers mainly parallel to foliation.	632117	302.83	303.83	1.00	50	fol	2	45			8									3	5.0	10.0	2.0	1.0	3% cp	
						305.08 - 308.18: Locally bleached, silicified and epidote-rich. 5% quartz-calcite veins, to 1 cm, at various angles. 5% py, 3% po and trace asp associated with stringers.	632118	303.83	304.37	0.54	<5	fol	2	45			8									3	5.0	10.0	2.0	1.0	3% cp	
							632119	305.08	306.06	0.98	<5	fol	2	45			5	2	3							3	5.0	3.0	3.0	2.0	trace asp	
							632120	306.06	307.06	1.00	5	fol	2	45			5	2	3							3	5.0	3.0	3.0	2.0	trace asp	
							632121	307.06	307.84	0.78	5	fol	2	45			5	2	3							3	5.0	3.0	3.0	2.0	trace asp	
							632122	307.84	308.18	0.34	5	fol	2	45			5	2	3							3	5.0	3.0	3.0	2.0	trace asp	
						308.18 - 309.21: Moderately silicified. 10% quartz-calcite veins, to 4 cm, at various angles. 5% py and 3% po associated with stringers.	632123	308.18	308.76	0.58	<5	fol	2	45			10		2							1	5.0	3.0	5.0	5.0		
							632124	308.76	309.21	0.45	<5	fol	2	45			10		2							1	5.0	3.0	5.0	5.0		
S	317.68	318.96	1.28	7B		FELSPAR PORPHYRY. Similar to 229.96 - 230.25. Weak foliation at 45 deg. 3% disseminated pyrite. Lower contact irregular.						fol	1	45																		
M	318.96	320.00	1.04	1B		PILLOWED BASALT FLOWS. Similar to 262.20 - 317.68. Weak foliation at 50 deg.						fol	1	50											1							
EOH							End of Hole																									

Signed By: 

GOLDCORP	COMPANY:	GOLDCORP INC.			TWP. OR AREA:	Todd Twp.		HOLE NUMBER:	RW-01-158		
	PROPERTY:	Rowan			CLAIM NO:	563036		NTS:	52 M/1		
LOCATION:	S	W			COLLAR ELEV.	1000 (default)		DATUM:	UTM Zone 15 (NAD 27)		
UTM ZONE:	NAD 27 Zone 15		LATITUDE:	LONGITUDE:		ACID TESTS			AZIMUTH:	180	
			EASTING:	NORTHING:		DEPTH	AZ	ANGLE	DIP @ COLLAR:	-49	
			425926	5656256		51m		-50	FINAL LENGTH:	252m	
DATES DRILLED:	From:	June 16, 2001		To:	June 19, 2001		100m	-49	VERT. DEPTH:		
DRILLED BY:	N. Morrissette						162m	-47	HORIZ. REACH:		
ASSAYED BY:	ALS Chemex						200m	-42	CORE SIZE:	BQTK	
OVERBURDEN:	3.22m	CASING LENGTH:	4m		VERT. DEPTH:				CORE DIAM:	40.7mm	
CASING DRILLED:	4m						231m	-43	SURFACE HOLE		
CASING RECOVERED:	Casing left in hole										
BITS & SHOES LOST/USED:	Shoe bit lost										
DESCRIPTION OF OVERBURDEN:	Sandy, bouldery till									<p style="text-align: center;">DRILL HOLE LOCATION MAP</p>	
WATER SOURCE:	Beaver pond										
LENGTH OF WATER LINE:	1372m										
DRILL CUTTINGS SAMPLED?	No										
CORE RECOVERY:	100%										
SPECIAL DRILLING PROCEDURES:											
DRILL COLLAR MARKED BY:	Casing capped and covered with PVC pipe.										
If casing left in place, will the hole pump sufficient water for drilling?	No										
PURPOSE OF THIS HOLE:	To test airborne anomaly and associated gold values in trench.										
RESULTS:	Airborne anomaly explained by graphitic interflow sediments at 75m.										
COMMENTS:	Sperry-Sun:	Depth (m)	Az.	Dip							
		80m	183	-49							
		160m	183	-47							
		252m	183	-46							
LOGGED BY:	D. S. Hunt			SIGNATURE:							
										0	

PROPERTY: ROWAN				CLAIM NO: 563036														HOLE NO: RW-01-158															
LOGGED BY: D. S. HUNT																		DATE(S) LOGGED: Jun 18-20/01															
Unit Type	Interval		Length (m)	CODE		DESCRIPTION	SAMPLING				FABRIC			STRUCTURE			ALTERATION								MAG	SULPHIDE		%VN			NOTE		
	From	To		PCX	Modifiers		Sample #	From	To	Int.	Au ppb	TYP	STR	ANG	BXX	SHR	VN	BLE	SIL	DOL	CAL	BIO	SER	CHL		TLC	M.A.	%PY	%PO	Qz		Fe	Cal
M	0.00	3.22	3.22	OB		CASING. Sandy, bouldery till																											
M	3.22	57.48	54.26	1P		<p>PILLOWED BASALT FLOWS (with local flow breccia) intruded by 15% pale pink, fine to medium grained, granite dykelets. Rare thin pale gray-brown, coarse grained feldspar porphyry dykelets.</p> <p>Medium grayish green, fine to very fine grained, soft to hard (due to local silicification), non- to strongly magnetic, depending upon pyrrhotite content. Moderate to strong foliation at 35-65 deg. 3 to 5% quartz-calcite stringers, to 2 cm, mainly parallel to foliation. Locally weakly bleached. Local thin epidote stringers. Rare small-scale faults at 40 to 70 deg with right-lateral movement. 1% pyrite, 3% pyrrhotite and trace chalcopyrite.</p> <p>Lower contact sharp at 60 deg.</p> <p>4.37 - 5.54: 5% quartz-calcite stringers, to 2 cm, at various angles. 20% granitic dykes. 3% po and 1% py, mainly as stringers.</p> <p>7.12 - 8.86: Flow breccia with 20% quartz-calcite as matrix. 3% po and 1% py as stringers parallel to foliation.</p> <p>8.86 - 11.81: 5% thin quartz-calcite stringers mainly parallel to foliation. 5% po and 3% py as stringers mainly parallel to foliation.</p> <p>14.81 - 16.03: 15% granitic dykes. 5% quartz-calcite veins, to 1 cm, at various angles. 10% po and 3% py as stringers and fracture-fillings.</p> <p>18.66 - 19.08: 90% granitic dykes. 25% quartz-calcite veins, to 10 cm, mainly parallel to foliation. 10% pyrite, disseminated and as stringers parallel to foliation, and 1% cp.</p> <p>19.08 - 28.20: 20% granitic dykes. 5% quartz-calcite veins, to 1 cm, at various angles. 5% po, 5% py and 1% cp as stringers and fracture-fillings.</p>																											
							632125	4.37	5.09	0.72	<5	fol	2	45										3	1.0	3.0	3.0	2.0					
							632126	5.09	5.54	0.45	<5	fol	2	45										3	1.0	3.0	3.0	2.0					
							632127	7.12	8.12	1.00	50	fol	2	45										0	1.0	3.0							
							632128	8.12	8.86	0.74	10	fol	2	45										0	1.0	3.0							
							632129	8.86	9.86	1.00	<5	fol	2	40										0	3.0	5.0	3.0	2.0					
							632130	9.86	10.86	1.00	5	fol	2	40										0	3.0	5.0	3.0	2.0					
							632131	10.86	11.81	0.95	10	fol	2	40										0	3.0	5.0	3.0	2.0					
							632132	14.81	15.57	0.76	5	fol	2	50										1	3.0	10.0	3.0	2.0					
							632133	15.57	16.03	0.46	15	fol	2	50										1	3.0	10.0	3.0	2.0					
							632134	18.66	19.08	0.42	<5	fol	2	50										0	10.0	0.0	20.0	5.0	1% cp				
							632135	19.08	20.08	1.00	30	fol	2	50										1	5.0	5.0	3.0	2.0	1% cp				
							632136	20.08	21.00	0.92	<5	fol	2	50										1	5.0	5.0	3.0	2.0	1% cp				
							632137	21.00	21.98	0.98	<5	fol	2	50										2	5.0	5.0	3.0	2.0	1% cp				
							632138	21.98	22.95	0.97	<5	fol	2	50										2	5.0	5.0	3.0	2.0	1% cp				
							632139	22.95	23.95	1.00	<5	fol	2	50										2	5.0	5.0	3.0	2.0	1% cp				

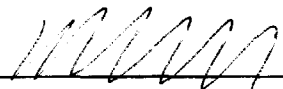
PROPERTY:		ROWAN				CLAIM NO: 563036														HOLE NO: RW-01-158												
LOGGED BY:		D. S. HUNT																		DATE(S) LOGGED: Jun 18-20/01												
Unit Type	Interval		Length (m)	CODE		DESCRIPTION	SAMPLING				FABRIC			STRUCTURE			ALTERATION								SULPHIDE		%VN			NOTE		
	From	To		PCX	Modifiers		Sample #	From	To	Int.	Au ppb	TYP	STR	ANG	BXN	SHR	VN	BLE	SIL	DOL	CAL	BIO	SER	CHL	TLC	MA	%PY	%PO	Qz		Fe	Cal
							632140	23.95	24.95	1.00	<5	fol	2	50			5								2	5.0	5.0	3.0		2.0	1% cp	
							632141	24.95	25.90	0.95	<5	fol	2	50			5								2	5.0	5.0	3.0		2.0	1% cp	
							632142	25.90	26.85	0.95	<5	fol	2	50			5								2	5.0	5.0	3.0		2.0	1% cp	
							632143	26.85	27.83	0.98	<5	fol	2	35			5								1	5.0	5.0	3.0		2.0	1% cp	
							632144	27.83	28.20	0.37	<5	fol	2	35			5								1	5.0	5.0	3.0		2.0	1% cp	
						31.83 - 32.30: Locally brecciated. 15% py and 5% po as blebs and stringers.	632145	31.83	32.30	0.47	10	fol	2	35			0								1	5.0	15.0					
						34.91 - 36.54: 5% gray to pink, coarse grained, porphyry dykes. 5% thin quartz-calcite stringers at various angles. 10% py and 3% po as blebs and stringers.	632146	34.91	35.84	0.93	<5	fol	2	55			5									0	10.0	3.0	3.0		2.0	
						38.70 - 42.61: Silicified, with local flow breccia. 10% granite and porphyry dykes. 3% thin quartz-calcite stringers at various angles. 10% py, 5% po and trace cp.	632147	35.84	36.54	0.70	<5	fol	2	55			5									0	10.0	3.0	3.0		2.0	
							632148	38.70	39.63	0.93	65	fol	2	50	1		3								0	10.0	5.0	2.0		1.0	tr cp	
							632149	39.63	40.60	0.97	5	fol	2	50	1		3								0	10.0	5.0	2.0		1.0	tr cp	
							632151	40.60	41.55	0.95	<5	fol	2	50	1		3								1	10.0	5.0	2.0		1.0	tr cp	
							632152	41.55	42.22	0.67	10	fol	2	50	1		3								0	10.0	5.0	2.0		1.0	tr cp	
							632153	42.22	42.61	0.39	5	fol	2	50	1		3								0	10.0	5.0	2.0		1.0	tr cp	
						49.53 - 50.04: Silicified, strongly magnetic flow breccia. 5% po and 5% py, disseminated.	632154	49.53	50.04	0.51	<5	fol	3	50											3	5.0	5.0					
						51.09 - 52.06: Locally bleached and silicified. 3% thin quartz-calcite stringers at various angles. 10% po, 5% py and 1% cp.	632155	51.09	52.06	0.97	<5	fol	3	50			3									0	5.0	10.0	2.0		1.0	1% cp
						54.46 - 54.77: 17 cm quartz-calcite stringer at 50 deg. 10% py and 5% po as stringers along vein margins.	632156	54.46	54.77	0.31	10	fol	3	50			80									0	10.0	5.0	40.0		40.0	
						55.04 - 57.48: Locally silicified, contorted and brecciated. 10% quartz-calcite as fracture-fillings and stringers, to 1 cm, at various angles. 10% po, 10% py and 1% cp as fracture-fillings and stringers.	632157	55.04	55.90	0.86	20	fol	3	50	2		10									3	10.0	10.0	5.0		5.0	1% cp
							632158	55.90	56.88	0.98	<5	fol	2	45	2		10								3	10.0	10.0	5.0		5.0	1% cp	
							632159	56.88	57.48	0.60	5	fol	2	45	2		10								3	10.0	10.0	5.0		5.0	1% cp	
M	57.48	61.18	3.70	7B		FELDSPAR PORPHYRY. Pale to medium gray to brownish gray, coarse grained, hard, non-magnetic. Weakly biotitic. Moderate foliation at 45 deg. 3% thin quartz-calcite stringers at various angles. Trace disseminated pyrite.						fol	2	45			3								0	1.0	0.0	2.0		1.0		
						58.72 - 59.23: Basalt, similar to 3.22 - 57.48.																										
						59.36 - 60.07: Basalt, similar to 3.22 - 57.48.																										
						Lower contact sharp at 40 deg.						con		40																		

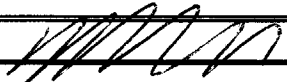
PROPERTY:		ROWAN				CLAIM NO: 563036																		HOLE NO: RW-01-158											
LOGGED BY:		D. S. HUNT				DATE(S) LOGGED: Jun 18-20/01																													
Unit Type	Interval		Length	CODE		DESCRIPTION	SAMPLING				FABRIC			STRUCTURE			ALTERATION						MAG	SULPHIDE		%VN		NOTE							
	From	To	(m)	PCX	Modifiers		Sample #	From	To	Int.	All ppb	TYP	STR	ANG	BXN	SHR	VN	BLE	SIL	DOL	CAL	BIG		SER	CHL	TLC	M.A.		%PY	%PO	Qz	Fe	Cal		
M	61.18	74.03	12.85	1P		PILLOWED BASALT FLOWS. Similar to 3.22 - 57.48, but with no granitic dykes. Locally biotitic and silicified.					fol	2	40				3	1	2							1	3.0	3.0	2.0	1.0					
						Lower contact sharp at 45 deg.									con		45																		
						62.21 - 64.56: Locally biotitic. 3% thin quartz-calcite stringers at various angles. 5% po and 5% py as blebs and stringers.	632160	62.21	63.19	0.98	<5	fol	2	40								3		2						1	5.0	5.0	2.0	1.0	
							632161	63.19	64.14	0.95	<5	fol	2	40								3	1	2						1	5.0	5.0	2.0	1.0	
							632162	64.14	64.56	0.42	<5	fol	2	40								3	1	2						1	5.0	5.0	2.0	1.0	
						64.56 - 65.12: Silicified and weakly bleached. 3% po, 3% py and 1% cp as stringers and blebs.	632163	64.56	65.12	0.56	<5	fol	2	40								0	2	2						1	3.0	3.0			1% cp
						66.00 - 66.57: Silicified and locally weakly bleached. 10% po and 3% py as stringers and blebs.	632164	66.00	66.57	0.57	<5	fol	2	30									1	2						1	3.0	10.0			
						66.92 - 67.44: Silicified and locally weakly bleached. 5% quartz-calcite veins, to 2 cm, at 40 deg. 5% po and 5% py as stringers and blebs.	632165	66.97	67.44	0.47	50	fol	2	30								5	1	2						1	5.0	5.0	3.0	2.0	
						67.82 - 68.93: Weakly silicified. 10% quartz-calcite stringers, to 3 cm, mainly at 60 deg. 5% po, 5% py and 3% cp as stringers and blebs.	632166	67.82	68.43	0.61	<5	fol	2	30								10		1						1	5.0	5.0	5.0	5.0	3% cp
	632167	68.43	68.93	0.50	<5	fol	2	30								10		1						1	5.0	5.0	5.0	5.0	3% cp						
	632168	69.11	69.76	0.65	<5	fol	2	30								5	1	1						1	5.0	10.0	3.0	2.0							
						73.67 - 74.03: 10% thin quartz-calcite stringers at various angles. 5% py and 5% cp as blebs and stringers.	632169	73.67	74.03	0.36	<5	fol	2	30				10							0	5.0		5.0	5.0	5% cp					
S	74.03	75.19	1.16	5G		GRAPHITIC INTERFLOW SEDIMENT interbedded with basalt flows. 60% sediment, 40% basalt.					fol	2	45	1			10		1						3	10.0	3.0	5.0	5.0						
						Medium to dark gray, very fine grained to aphanitic, hard, locally strongly magnetic. Moderate foliation at 45 deg. 10% quartz-calcite stringers, to 1 cm, mainly parallel to foliation. 10% pyrite and 3% pyrrhotite as stringers and fracture-fillings.									con		45																		
						Lower contact sharp at 45 deg.									fol	2	45	1			10		1						3	10.0	5.0	5.0	5.0		
						74.03 - 74.39: 80% graphitic sediment. Weakly fractured and brecciated with 10% quartz-calcite as matrix and thin stringers. 10% py and 5% po.	632170	74.03	74.39	0.36	<5	fol	2	45																					
						74.39 - 75.19: 80% basalt. 10% quartz-calcite stringers, to 1 cm, mainly parallel to foliation. 10% py and 1% po as thin stringers.	632171	74.39	75.19	0.80	15	fol	2	45				10							1	10.0	1.0	5.0	5.0						

PROPERTY:		ROWAN		CLAIM NO: 563036												HOLE NO: RW-01-158																		
LOGGED BY:		D. S. HUNT		DATE(S) LOGGED: Jun 18-20/01																														
Unit Type	Interval		Length (m)	CODE		DESCRIPTION	SAMPLING				FABRIC			STRUCTURE					ALTERATION							MAG		SULPHIDE		%VN			NOTE	
	From	To		PCX	Modifiers		Sample #	From	To	Int.	Au ppb	TYP	STR	ANG	BXX	SHR	VN	BLE	SIL	DOL	CAL	BIO	SER	CEL	TLC	M.A.	%PY	%PO	Qz	Fe	Cal			
M	75.19	183.89	108.70	1A		<p>MASSIVE BASALT FLOWS. Medium grayish green, soft to moderately soft, fine to very fine grained (locally very coarse grained), locally weakly magnetic below 135m. Local thin, isolated pillowed horizons. Locally bleached and carbonatized below 162m. 3% thin quartz-calcite stringers, to 1 cm, mainly parallel to foliation. Weak foliation at 35 to 80 deg. Trace pyrite and pyrrhotite, chalcopyrite and molybdenite (?).</p> <p>84.34 - 84.43: Fault gouge. Orientation indistinct. 108.92 - 116.67: Weakly to moderately biotitic and laminated. Upper and lower contacts gradational. 132.06 - 132.80: Quartz-feldspar porphyry dyke. Pale to medium brown, coarse to very coarse grained, hard, non-magnetic, weakly foliated, weakly biotitic. Upper contact irregular, lower contact sharp at 40 deg. 133.22 - 133.42: QFP as above. Contacts irregular. 133.48 - 133.53: QFP as above. Upper contact sharp at 70 deg; lower contact sharp at 45 deg. 157.51 - 157.75: Feldspar porphyry dyke. Medium grayish brown, coarse grained, hard to moderately hard, non-magnetic. Weakly biotitic. 5% thin quartz-calcite stringers at various angles. Upper contact sharp at 50 deg; lower contact sharp at 40 deg. 160.36 - 161.02: Feldspar porphyry dyke, as above. Contacts sharp at 80 deg. 170.18 - 170.48: Quartz-feldspar porphyry dyke, as above. Contacts sharp at 80 - 85 deg.</p> <p>75.19 - 75.57: Flow breccia with 15% py and 5% po as stringers parallel to foliation. 80.62 - 81.00: 20% quartz-calcite veins, to 5 cm, mainly at 65 deg. 82.94 - 83.55: Quartz-calcite vein at 75 deg. 84.26 - 85.20: 20% quartz-calcite veins, to 9 cm, parallel to foliation. 3% disseminated pyrite. 99.75 - 100.32: 10% quartz-calcite stringers, to 1 cm, at various angles. 3% po, 3% py and 1% cp, disseminated. 108.92 - 109.71: Weakly biotitic. 20% quartz-calcite veins, to 4 cm, mainly at 15 deg. 10% py and 1% po, disseminated. 114.88 - 115.35: Weakly biotitic. 20% quartz-calcite blebs and stringers mainly parallel to foliation.</p>						fol	1	58			3	1										0	0.5	0.5	2.0		1.0	tr cp, tr mo
						75.19 - 75.57: Flow breccia with 15% py and 5% po as stringers parallel to foliation.	632172	75.19	75.57	0.38	25	fol	1	45											0	15.0	5.0							
						80.62 - 81.00: 20% quartz-calcite veins, to 5 cm, mainly at 65 deg.	632173	80.62	81.00	0.38	<5	fol	1	45											0			8.0		2.0				
						82.94 - 83.55: Quartz-calcite vein at 75 deg.	632174	82.94	83.55	0.61	<5						100								0			95.0		5.0				
						84.26 - 85.20: 20% quartz-calcite veins, to 9 cm, parallel to foliation. 3% disseminated pyrite.	632175	84.26	85.20	0.94	<5	fol	1	60											0	3.0	0.0	10.0		10.0				
						99.75 - 100.32: 10% quartz-calcite stringers, to 1 cm, at various angles. 3% po, 3% py and 1% cp, disseminated.	632176	99.75	100.32	0.57	<5	fol	1	60				10							0	3.0	3.0	5.0		5.0	1% cp			
						108.92 - 109.71: Weakly biotitic. 20% quartz-calcite veins, to 4 cm, mainly at 15 deg. 10% py and 1% po, disseminated.	632177	108.92	109.71	0.79	20	fol	1	80				20							0	10.0	1.0	10.0		10.0				
						114.88 - 115.35: Weakly biotitic. 20% quartz-calcite blebs and stringers mainly parallel to foliation.	632178	114.88	115.35	0.47	<5	fol	1	60				20							0			10.0		10.0				

PROPERTY:		ROWAN										CLAIM NO: 563036										HOLE NO: RW-01-158									
LOGGED BY:		D. S. HUNT																				DATE(S) LOGGED: Jun 18-20/01									
Unit Type	Interval		Length (m)	CODE		DESCRIPTION	SAMPLING				FABRIC			STRUCTURE			ALTERATION							MAG	SULPHIDE		%VN			NOTE	
	From	To		PCX	Modifiers		Sample #	From	To	Int.	All ppb	TYP	STR	ANG	BXN	SHR	VN	BLE	SIL	DOL	CAL	BIO	SER		CHL	TLC	M.A.	%PY	%PO		Qz
						126.96 - 127.39: Locally weakly biotitic. 30% quartz-calcite veins, to 10 cm, at various angles. 3% pyrrhotite as blebs.	632179	126.96	127.39	0.43	65	fol	1	65			30								0	0.0	3.0	20.0		10.0	
						127.74 - 128.14: 20% quartz-calcite veins, to 2 cm, at various angles. 3% po, 1% py and possible trace mo, associated with vein margins.	632180	127.74	128.14	0.40	<5	fol	1	65			20								0	1.0	3.0	10.0		10.0	tr mo
						150.62 - 151.06: 20% quartz-calcite veins, to 4 cm, mainly at 75 deg. 3% disseminated py in veins.	632181	150.62	151.06	0.44	<5	fol	1	35			20								0	3.0	0.0	10.0		10.0	
						181.25 - 183.89: 3% thin quartz-calcite stringers at various angles. 5% sp, 5% po and 3% cp as stringers mainly parallel to foliation.	632182	181.25	182.25	1.00	<5	fol	1	35			3								3	0.0	5.0	2.0		1.0	5% sp, 3% cp
							632183	182.25	183.25	1.00	<5	fol	1	35			3								3	0.0	5.0	2.0		1.0	5% sp, 3% cp
							632184	183.25	183.89	0.64	<5	fol	1	35			3								3	0.0	5.0	2.0		1.0	5% sp, 3% cp
M	183.89	195.30	11.41	1E		MAFIC FLOW BRECCIA. Pale to medium grayish green, fine to very fine grained with clasts locally up to 15 cm diameter. Moderately soft to moderately hard, locally strongly magnetic. Locally bleached and possibly silicified. Weak to moderate foliation at 40 to 60 deg. Variable amounts of sphalerite, pyrrhotite, pyrite and chalcopyrite, mainly as stringers parallel to foliation.																									
						Lower contact sharp at 40 deg.						con		40																	
						183.89 - 186.24: Locally cherty flow breccia. Possibly locally silicified. 10% sp, 10% po, 3% py and 1% cp as stringers parallel to foliation.	632185	183.89	184.89	1.00	<5	fol	1	35			0	1	2						3	3.0	10.0				10% sp, 1% cp
							632186	184.89	185.89	1.00	<5	fol	1	35			0	1	2						3	3.0	10.0				10% sp, 1% cp
							632187	185.89	186.24	0.35	<5	fol	1	35			0	1	2						3	3.0	10.0				10% sp, 1% cp
						186.24 - 188.01: Locally weakly bleached. 5% po and 3% py as stringers mainly parallel to stringers.	632188	186.24	187.24	1.00	<5	fol	1	35			0	1							3	3.0	5.0				
							632189	187.24	188.01	0.77	<5	fol	1	40			0	1							3	3.0	5.0				
						188.01 - 189.00: 10% sp, 5% po, 3% py and 1% cp, mainly as stringers.	632190	188.01	189.00	0.99	15	fol	1	40			0								3	3.0	5.0				10% sp, 1% cp
						190.10 - 190.56: 5% po, 5% sp and 1% py mainly as stringers parallel to foliation.	632191	190.10	190.56	0.46	25	fol	1	40			0								3	1.0	5.0				5% sp

PROPERTY:		ROWAN				CLAIM NO: 563036														HOLE NO: RW-01-158												
LOGGED BY:		D. S. HUNT																		DATE(S) LOGGED: Jun 18-20/01												
Unit Type	Interval		Length	CODE		DESCRIPTION	SAMPLING				FABRIC			STRUCTURE			ALTERATION								MAG		SULPHIDE			%VN		NOTE
	From	To	(m)	PCX	Modifiers		Sample #	From	To	Int.	Au ppb	TYP	STR	ANG	BXN	SHR	VN	BLE	SIL	DOL	CAL	BIO	SER	CHL	TLC	MA	%PY	%PO	Qz	Fe	Cal	
M	195.30	251.75	56.45	1P		PILLOWED BASALT FLOWS. Medium grayish green, very fine grained, moderately soft to hard, locally weakly to moderately magnetic depending upon pyrrhotite content. Locally bleached and silicified. Local flow breccia horizons. 3% quartz-calcite veins, to 10 cm, at various angles. Weak foliation at 30 to 65 deg. 1% pyrrhotite, 1% sphalerite, 1% pyrite, trace chalcopyrite and arsenopyrite.					fol	1	53			3	1	1							2	1.0	1.0	2.0	1.0	1% sp, trace cp, trace sph		
						Lower contact irregular at 70 deg.																										
						205.17 - 205.49: 40% quartz-calcite veins, to 10 cm, mainly at 60 deg. 5% sph and 3% po as stringers parallel to foliation.	632192	205.17	205.49	0.32	180	fol	1	40			40								1	0.0	3.0	20.0	20.0	5% sph		
						211.51 - 213.10: 3% thin quartz-calcite stringers mainly parallel to foliation. 5% po, 3% py, 1% cp and trace asp as stringers and blebs.	632193	211.51	212.40	0.89	25	fol	1	65			3	1	1						1	3.0	5.0	2.0	1.0	1% cp, trace asp		
							632194	212.40	213.10	0.70	15	fol	1	65			3	1	1						1	3.0	5.0	2.0	1.0	1% cp, trace asp		
						230.29 - 231.16: 15% quartz-calcite stringers, to 6 cm, at various angles. 3% po and 1% py as blebs and cubes.	632195	230.29	231.16	0.87	<5	fol	1	45			15								1	1.0	3.0	7.0	8.0			
						243.00 - 243.97: Locally bleached and mottled. 3% po as specks and blebs.	666210	243.00	243.97	0.97	<5							2									3.0					
						243.97 - 244.97: Locally moderately bleached and mottled. 10% quartz-calcite veins, to 2 cm, mainly parallel to foliation. 3% po.	666208	243.97	244.97	1.00	10	fol	1	40			10	2									3.0					
						244.97 - 245.39: Local flow breccia. 5% thin quartz-calcite stringers at various angles. 10% po and 5% asp as stringers.	632196	244.97	245.39	0.42	1250	fol	1	40			5								3	0.0	10.0	3.0	2.0	5% asp		
						245.39 - 246.39: Locally moderately bleached and mottled. 5% thin quartz-calcite stringers mainly at 25 deg. Locally weakly brecciated. 3% blebby po.	666209	245.39	246.39	1.00	<5				1		5	1									3.0	3.0	2.0			
						246.39 - 248.39: Locally brecciated, bleached and mottled. 5% po as blebs and specks, and trace asp.	666211	246.39	247.39	1.00	<5					2			2								5.0		trace asp			
							666212	247.39	248.39	1.00	<5																5.0		trace asp			
						250.69 - 251.00: 60% quartz-calcite veins, to 16 cm, at various angles. 5% po as blebs.	632197	250.69	251.00	0.31	<5	fol	1	45			60								1	0.0	5.0	30.0	30.0			
M	251.75	252.00	0.25	7C		FELDSPAR PORPHYRY. Medium gray, medium grained with white feldspar phenocrysts to 2mm diameter, hard, non-magnetic.																										
EOH						End of Hole																										

Signed By: 

GOLDCORP	COMPANY: GOLDCORP INC.	TWP. OR AREA: Todd Twp.	HOLE NUMBER: RW-01-159
	PROPERTY: Rowan	CLAIM NO: 563036	52 M/1
LOCATION: S W	COLLAR ELEV. 1000m (default)		DATUM: UTM Zone 15 (NAD 27)
UTM ZONE:	LATITUDE: EASTING: 426031	LONGITUDE: NORTHING: 5656420	ACID TESTS
DATES DRILLED: From: Jun 19, 2001 To: Jun 22, 2001	DRILLED BY: N. Morrissette		DEPTH AZ ANGLE
ASSAYED BY: Chemex Labs	OVERBURDEN: 2.6m CASING LENGTH: 3.00m VERT. DEPTH:		75 -48
CASING DRILLED: 3.00m	CASING RECOVERED: Casing left in hole		150 -47
BITS & SHOES LOST/USED: Shoe bit lost	DESCRIPTION OF OVERBURDEN: Hole collared on bedrock		162 -46
			213 -44
			252 -43
			AZIMUTH: 180 DIP @ COLLAR: -49 FINAL LENGTH: 252.00 VERT. DEPTH: HORIZ. REACH: CORE SIZE: BQTK CORE DIAM: 40.7 mm SURFACE HOLE
			DRILL HOLE LOCATION MAP
WATER SOURCE: Beaver pond			
LENGTH OF WATER LINE: 1402m			
DRILL CUTTINGS SAMPLED? No			
CORE RECOVERY: 100%			
SPECIAL DRILLING PROCEDURES:			
DRILL COLLAR MARKED BY: Casing capped and covered with PVC pipe			
If casing left in place, will the hole pump sufficient water for drilling? No			
PURPOSE OF THIS HOLE: To test Main Shear with small area of argillite/mudstone immediately to north			
RESULTS: Main Shear mineralization encountered from 217 to 252m. Feldspar porphyry intrusion breccia may have been mapped as "argillite/mudstone" on surface.			
COMMENTS: Sperry-Sun:	Depth (m)	Az.	Dip
	75m	182 deg	-49 deg
	150m	189 deg	-47.5 deg
	250m	186 deg	-46.5 deg
LOGGED BY: D. S. Hunt	SIGNATURE: 		0

PROPERTY: ROWAN				CLAIM NO: 563036														HOLE NO: RW-01-159																	
LOGGED BY: D. S. HUNT																		DATE(S) LOGGED: Jun. 20-23/ 01																	
Unit Type	Interval		Length	CODE		DESCRIPTION	SAMPLING				FABRIC			STRUCTURE			ALTERATION								MAG		SULPHIDE		%VN		NOTE				
	From	To	(m)	PCX	Modifiers		Sample #	From	To	Int.	All ppb	TYP	STR	ANG	BXN	SHR	VN	BLE	SIL	DOL	CAL	BIO	SER	CHL	TLC	M.A.	%PY	%PO	Qz	Fe		Cal			
M	0.00	2.60	2.60		OV	CASING. Hole collared on outcrop.																													
M	2.60	50.81	48.21		1P	<p>PILLOWED BASALT FLOWS. Pale to dark grayish green, very fine grained, soft to hard, locally weakly magnetic. 5% quartz-calcite stringers, to 1 cm, mainly parallel to foliation. Locally weakly carbonatized. Locally weakly talcose. Locally fractured. Locally weakly silicified and bleached. Weak to moderate foliation at 30 - 50 deg. Rare thin epidote-rich stringers mainly parallel to foliation. 1% pyrrhotite, 1% pyrite, trace chalcopyrite and arsenopyrite.</p> <p>12.64: Minor fault at 80 deg with right lateral displacement.</p> <p>24.20 - 24.44: Intercalated thin interflow sediment beds at 20 deg.</p> <p>42.83: Minor fault at 65 deg with right-lateral displacement.</p> <p>45.28: Minor fault at 15 deg with right-lateral displacement.</p> <p>47.35: Fault gouge at 60 deg.</p> <p>15.63 - 17.54: 10% quartz-calcite veins, to 6 cm, mainly parallel to foliation. 10% py, 7% po and 5% cp as stringers and associated with veins.</p> <p>18.24 - 19.23: 5% quartz-calcite stringers and fracture-fillings at various angles. 3% po and 1% py as thin stringers.</p> <p>24.59 - 25.21: 60% quartz-calcite veins, to 20 cm, at various angles. 3% po and 3% py as fracture fillings in veins.</p> <p>25.60 - 26.93: Locally weakly bleached and silicified. 15% quartz-calcite veins, to 8 cm, at various angles. 5% po mainly as stringers mainly parallel to foliation.</p> <p>28.03 - 28.64: 50% quartz-calcite veins, to 6 cm, at various angles. 5% po and 3% py mainly as stringers parallel to foliation.</p>																													
							632198	15.63	16.63	1.00	45	fol	1	40			10								0	10.0	7.0	5.0		5.0	5% cp				
							632199	16.63	17.54	0.91	<5	fol	1	40			10								0	10.0	7.0	5.0		5.0	5% cp				
							632201	18.24	19.23	0.99	<5	fol	1	40			5								1	1.0	3.0	3.0	2.0						
							632202	24.59	25.21	0.62	<5	fol	1	35			60								0	3.0	3.0	30.0	30.0						
							632203	25.60	26.36	0.76	<5	fol	1	45			15	1	1						0	0.0	5.0	7.0		8.0					
							632204	26.36	26.93	0.57	<5	fol	1	45			15	1	1						0	0.0	5.0	7.0		8.0					
							632205	28.03	28.64	0.61	<5	fol	1	45			50								0	3.0	5.0	25.0	25.0						

PROPERTY:		ROWAN			CLAIM NO: 563036																HOLE NO: RW-01-159																
LOGGED BY:		D. S. HUNT																			DATE(S) LOGGED: Jun. 20-23/01																
Unit Type	Interval		Length	CODE		DESCRIPTION	SAMPLING				FABRIC			STRUCTURE			ALTERATION							MAG		SULPHIDE			%VN			NOTE					
	From	To	(m)	PCX	Modifiers		Sample #	From	To	Int.	Au ppb	TYP	STR	ANG	BXN	SHR	VN	BLE	SIL	DOL	CAL	BIO	SER	CHL	TLC	MA	%PY	%PO	Qz	Fe	Cal						
M	50.81	108.72	57.91	7B	bx	<p>FELDSPAR PORPHYRY INTRUSION BRECCIA.</p> <p>Pale to medium gray, moderately soft to hard, medium to coarse grained with clasts of variable extrusive composition to 10cm diameter, bedding at 40 - 45 deg, weak foliation at 30 - 50 deg. Non to locally weakly magnetic. Locally weakly sericitic. 1% thin quartz-calcite stringers at various angles. Trace disseminated pyrite, pyrrhotite and arsenopyrite.</p> <p>Foliation becomes strong and shallow (10 - 15 deg) below 90m. Rock becomes weakly talcose.</p> <p>70.55 - 70.99: 10% quartz-calcite veins, to 1 cm, mainly at 50 deg. 5% po, 3% py and 3% cp mainly associated with veins.</p> <p>Lower contact sharp at 15 deg.</p>	632206	70.55	70.99	0.44	30	fol	1	40													1	0.5	0.5	0.5			0.5	trace asp			
M	108.72	136.83	28.11	1A		<p>MASSIVE BASALT FLOWS. Medium grayish green, hard to moderately soft, very fine grained, non- to very weakly magnetic. Weakly to moderately silicified and locally weakly carbonatized. 5% quartz-calcite stringers, to 1 cm, at various angles. Weak foliation at 35 - 65 deg.</p> <p>112.13 - 114.16: Intrusion breccia, similar to 50.81 - 108.72; contacts irregular and contorted</p> <p>119.42 - 120.99: Intrusion breccia, as above, with irregular, contorted contacts.</p> <p>119.75 - 130.58: Local weak hematite alteration mainly along fractures at 60 deg.</p> <p>129.95 - 130.47: Intrusion breccia, as above, with irregular, contorted contacts.</p> <p>130.20: Fault gouge, orientation indistinct.</p> <p>130.47: Minor late fault at 40 deg with right lateral movement.</p> <p>110.19 - 110.76: Locally weakly carbonatized. 30% quartz veins, to 3 cm, at various angles. 1% po and 1% py associated with veins.</p> <p>110.76 - 111.65: 15% quartz-calcite veins, to 2 cm, mainly at 35 deg. 1% po and 1% py as blebs and cubes.</p> <p>124.44 - 125.00: Weakly carbonatized. 25% quartz veins, to 15 cm, at 55 deg. 3% po, 3% py as fracture-fillings in veins.</p> <p>127.61 - 127.94: Weakly carbonatized. 40% quartz-calcite veins, to 2 cm, at various angles. 3% po and 1% py as blebs and cubes.</p> <p>Lower contact sharp at 45 deg.</p>	632207	110.19	110.76	0.57	<5	fol	1	45			30													0	1.0	1.0	30.0				
							632208	110.76	111.65	0.89	<5	fol	1	45			15									0	1.0	1.0	7.0		8.0						
							632209	124.44	125.00	0.56	<5	fol	1	55			25			1						0	3.0	3.0	25.0								
							632210	127.61	127.94	0.33	<5	fol	1	55			40			1						0	1.0	3.0	20.0		20.0						
												con					45																				

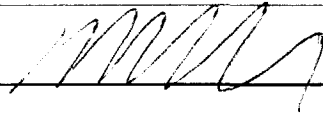
PROPERTY: ROWAN					CLAIM NO: 563036															HOLE NO: RW-01-159				DATE(S) LOGGED: Jun. 20-23/01								
LOGGED BY: D. S. HUNT					DESCRIPTION	SAMPLING					FABRIC			STRUCTURE			ALTERATION						MAG			SULPHIDE		%VN			NOTE	
Unit	Interval		Length	CODE		Sample #	From	To	Int.	Au ppb	TYP	STR	ANG	BXN	SHR	VN	BLE	SIL	DOL	CAL	BIO	SER	CHL	TLC	M.A.	%PY	%PO	Qz	Fe	Cal	NOTE	
Type	From	To	(m)	PCX	Modifiers																											
M	136.83	147.44	10.61	7B	bx						bed	35																				
											fol	2 40																				
											fl	75																				
											con	20																				
M	147.44	168.35	20.91	7B							fol	2 33													0	1.0	1.0	0.5		0.5		
						632211	162.05	162.54	0.49	<5	fol	1 35													1	5.0	0.0	60.0				
											con	40																				
M	168.35	185.68	17.33	7B	bx						bd	28													1	1.0	0.0	3.0		2.0		
											fol	1 40													0	1.0	0.0	3.0		2.0		
						632212	172.42	172.80	0.38	<5	fol	1 30													0	5.0	0.0	90.0				
						632213	178.80	179.50	0.70	<5	bd	25													0	3.0	5.0					

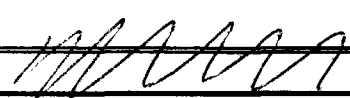
PROPERTY: ROWAN					CLAIM NO: 563036															HOLE NO: RW-01-159													
LOGGED BY: D. S. HUNT																				DATE(S) LOGGED: Jun. 20-23/ 01													
Unit Type	Interval		Length	CODE		DESCRIPTION	SAMPLING					FABRIC			STRUCTURE			ALTERATION						MAG			SULPHIDE			%VN			NOTE
	From	To	(m)	PCX	Modifiers		Sample #	From	To	Int.	Al ppb	TYP	STR	ANG	BXN	SHR	VN	BLE	SIL	DOL	CAL	BIO	SER	CHL	TLC	M.A.	%PY	%PO	Qz	Fe	Ca		
						180.00 - 181.71: 5% po and 1% py as blebs and cubes.	632214	180.00	180.90	0.90	<5	bd		25			0									0	1.0	5.0					
							632215	180.90	181.71	0.81	<5	bd		25			0									0	1.0	5.0					
						182.66 - 183.16: 10% quartz-calcite stringers, to 3 cm, at various angles. 5% po as blebs.	632216	182.66	183.16	0.50	<5	fol	1	50			10									0	0.0	5.0	5.0		5.0		
						184.40 - 185.68: 5% quartz-calcite stringers, to 3 cm, at various angles. 3% po and 3% py as blebs and cubes.	632217	184.40	185.16	0.76	<5	fol	1	50			5									0	3.0	3.0	3.0		2.0		
						Lower contact at 70 deg.	632218	185.16	185.68	0.52	<5	fol con		50 70			5									0	3.0	3.0	3.0		2.0		
M	185.68	192.91	7.23	7B		FELDSPAR PORPHYRY. Similar to 147.44 to 168.35. Weak foliation at 35 deg.						fol	1	35																			
						187.71 - 188.27: 60% quartz veins, to 10 cm, at various angles. Weakly sericitic. 1% po as blebs.	632219	187.71	188.27	0.56	<5	fol	1	35			60						1			0	0.0	1.0	50.0		10.0		
						189.35 - 191.17: 20% quartz-calcite veins, to 10 cm, at various angles. 5% po as fracture-fillings.	632220	189.35	190.35	1.00	<5	fol	1	35			20									0	0.0	5.0	10.0		10.0		
							632221	190.35	191.17	0.82	<5	fol	1	35			20									0	0.0	5.0	10.0		10.0		
						192.54 - 192.91: 10% quartz veins, to 2 cm, parallel to foliation. 5% po as blebs.	632222	192.54	192.91	0.37	<5	fol	1	35			10									0	0.0	5.0	5.0		5.0		
						Lower contact at 50 deg.						con		50																			
M	192.91	197.70	4.79	7B	bx	FELDSPAR PORPHYRY INTRUSION BRECCIA.																											
						192.91 - 194.08: 10% po and 5% py as stringers and blebs.	632223	192.91	193.59	0.68	<5															0	5.0	10.0					
							632224	193.59	194.08	0.49	5															0	5.0	10.0					
						194.39 - 197.09: 3% thin quartz-calcite veins at various angles. 5% po and 5% py as stringers and blebs.	632225	194.39	195.39	1.00	15					3									1	5.0	5.0	2.0		1.0			
							632226	195.39	196.32	0.93	<5					3									1	5.0	5.0	2.0		1.0			
							632227	196.32	197.09	0.77	<5					3									1	5.0	5.0	2.0		1.0			
						197.09 - 197.70: 15% quartz-calcite veins, to 5 cm, at various angles. 3% po and 1% py as fracture-fillings.	632228	197.09	197.70	0.61	<5					15									1	1.0	3.0	8.0		7.0			
						Lower contact indistinct.																											
M	197.70	252.00	54.30	1A		PILLOWED BASALT FLOWS with local massive sections. Pale to medium grayish green, fine to very fine grained, hard to soft, non-to moderately strongly magnetic depending upon pyrrhotite content. Weak to moderate foliation at 25 to 60 deg. Locally weakly bleached. Locally weakly biotitic. Locally weakly carbonatized. 3% thin quartz-calcite veins and stringers at various angles. Trace pyrrhotite and pyrite as disseminated blebs and cubes.						fol	1	43			3	1		1					2	0.5	0.5	2.0		1.0			
						197.70 - 198.19: 5% thin quartz-calcite stringers mainly parallel to foliation.	632229	197.70	198.19	0.49	<5	fol	1	60			5									1	0.0	0.0	3.0		2.0		

PROPERTY: ROWAN		CLAIM NO: 563036															HOLE NO: RW-01-159																
LOGGED BY: D. S. HUNT		DATE(S) LOGGED: Jun. 20-23/ 01																															
Unit Type	Interval		Length (m)	CODE		DESCRIPTION	SAMPLING				FABRIC			STRUCTURE			ALTERATION								MAG		SULPHIDE		%VN			NOTE	
	From	To		PCX	Modifiers		Sample #	From	To	Int.	Au ppb	TYP	STR	ANG	BXN	SHR	VN	BLE	SIL	DOL	CAL	BIO	SER	CHL	TLC	M.A.	%PY	%PO	Qz	Fe	Cal		
						199.74 - 200.05: 30% quartz-calcite veins, to 10 cm, at 40 deg. 1% po and 1% py as blebs and cubes.	632230	199.74	200.05	0.31	<5	fol	1	40												1	1.0	1.0	15.0		15.0		
						209.21 - 210.21: 10% quartz-calcite veins, to 2 cm, mainly parallel to foliation. 5% po and 1% py as stringers and blebs.	632231	209.21	210.21	1.00	<5	fol	1	30												1	1.0	5.0	5.0		5.0		
						210.49 - 212.77: 3% quartz-calcite veins, to 5 cm, mainly at 60 deg. 5% po, 1% py and 1% cp as stringers and blebs.	632232	210.49	211.35	0.86	<5	fol	2	40												2	1.0	5.0	2.0		1.0	1% cp	
							632233	211.35	212.35	1.00	<5	fol	2	40												2	1.0	5.0	2.0		1.0	1% cp	
							632234	212.35	212.77	0.42	<5	fol	2	40												2	1.0	5.0	2.0		1.0	1% cp	
						213.86 - 215.17: 5% quartz-calcite veins, to 1 cm, at various angles. 5% po and 1% cp as stringers and blebs.	632235	213.86	214.71	0.85	<5	fol	2	40												2	0.0	5.0	3.0		2.0	1% cp	
							632236	214.71	215.17	0.46	<5	fol	2	40												2	0.0	5.0	3.0		2.0	1% cp	
						216.18 - 216.55: 3% thin quartz-calcite stringers sub-parallel to core axis. 10% po, 3% sp and 3% cp, stringer-associated.	632237	216.18	216.55	0.37	<5	fol	1	40												2	0.0	10.0	2.0		1.0	3% sp, 3% cp	
						217.10 - 217.49: Quartz-feldspar porphyry dyke at 25 to 30 deg.								con		28																	
						217.66 - 220.11: 10% quartz-calcite veins, to 10 cm, mainly parallel to foliation. 5% po, 3% cp as stringers, blebs and fracture-fillings.	632238	217.66	218.62	0.96	<5	fol	1	40												1	0.0	5.0	5.0		5.0	3% cp	
							632239	218.62	219.62	1.00	<5	fol	1	40												1	0.0	5.0	5.0		5.0	3% cp	
							632240	219.62	220.11	0.49	<5	fol	1	40												1	0.0	5.0	5.0		5.0	3% cp	
						222.59 - 222.93: 3% thin quartz-calcite stringers mainly parallel to foliation. 10% po, 5% py as stringers and blebs.	633241	222.59	222.93	0.34	<5	fol	1	50												1	5.0	10.0	2.0		1.0		
						222.93 - 223.12: Weakly biotitic feldspar porphyry dyke at 30 to 35 deg.								con		33																	
						223.12 - 225.36: Locally weakly biotitic. 5% quartz-calcite veins, to 1 cm, mainly parallel to foliation. 10% po, 3% py, 3% sp, 1% cp and 1% asp as stringers, blebs, fracture-fillings and disseminated cubes.	632242	223.12	224.00	0.88	<5	fol	1	50													2	3.0	10.0	3.0		2.0	1% cp, 1% asp, 1% sp
							632243	224.00	225.00	1.00	45	fol	1	50												2	3.0	10.0	3.0		2.0	1% cp, 1% asp, 1% sp	
							632244	225.00	225.36	0.36	20	fol	1	50												2	3.0	10.0	3.0		2.0	1% cp, 1% asp, 1% sp	
						225.99 - 226.44: 5% thin quartz-calcite veins parallel to foliation. 5% sp, 5% po, 3% py and 3% asp as stringers and blebs.	632245	225.99	226.44	0.45	65	fol	1	50												2	3.0	5.0	3.0		2.0	5% asp, 3% sp	
						229.20 - 229.45: 10% quartz-calcite veins, to 1 cm, mainly parallel to foliation. 5% py, 5% po, vein-associated.	632246	229.20	229.45	0.25	<5	fol	1	30												0	5.0	5.0	5.0		5.0		

PROPERTY:		ROWAN										CLAIM NO: 563036										HOLE NO: RW-01-159										
LOGGED BY:		D. S. HUNT																				DATE(S) LOGGED: Jun. 20-23/ 01										
Unit Type	Interval		Length (m)	CODE		DESCRIPTION	SAMPLING				FABRIC			STRUCTURE			ALTERATION							MAG		SULPHIDE		%VN			NOTE	
	From	To		PCX	Modifiers		Sample #	From	To	Int.	Au ppb	TYP	STR	ANG	BXN	SHR	VN	BLE	SIL	DOL	CAL	BIO	SER	CHL	TLC	M.A.	%PY	%PO	Qz	Fe		Cal
						233.57 - 234.14: 15% quartz-calcite veins, to 3 cm, mainly parallel to foliation. 10% po, 5% py, 1% cp as stringers and blebs.	632247	233.57	234.14	0.57	<5	fol	1	30			15								0	5.0	10.0	8.0		7.0	1% cp	
						234.14 - 234.90: 5% quartz-calcite veins, to 1 cm, parallel to foliation. 10% po, 5% py, 3% cp, 3% sp as stringers and blebs.	632248	234.19	234.90	0.71	<5	fol	2	25			5								2	5.0	10.0	3.0		2.0	3% cp, 3% sp	
						236.50 - 238.92: Locally weakly carbonatized. 10% quartz-calcite veins, to 3 cm, mainly parallel to foliation. 5% sp, 3% po, 3% py, 3% cp mainly vein-associated.	632249	236.50	237.50	1.00	555	fol	2	25			10			1					3	3.0	5.0	5.0		5.0	5% sp, 3% cp	
							632251	237.50	238.50	1.00	70	fol	2	25			10			1					3	3.0	5.0	5.0		5.0	5% sp, 3% cp	
							632252	238.50	238.92	0.42	<5	fol	2	25			10			1					3	3.0	5.0	5.0		5.0	5% sp, 3% cp	
						238.92 - 239.30: 30% quartz-calcite veins sub-parallel to core axis. 10% po, 3% py, 3% cp, 3% sp vein-associated.	632253	238.95	239.30	0.35	720	fol	2	25			30									3	3.0	10.0	15.0		15.0	3% cp, 3% sp
						239.78 - 243.98: Weakly carbonatized. 15% quartz-calcite veins, to 2 cm, mainly parallel to foliation. 5% po, 1% py, 1% cp, 1% sp, trace gn.	632254	239.78	240.77	0.99	<5	fol	2	35			15			1					1	1.0	5.0	8.0		7.0	1% cp, 1% sp, trace gn	
							632255	240.77	241.70	0.93	15	fol	2	35			15			1					1	1.0	5.0	8.0		7.0	1% cp, 1% sp, trace gn	
							632256	241.70	242.70	1.00	5	fol	2	35			15			1					1	1.0	5.0	8.0		7.0	1% cp, 1% sp, trace gn	
							632257	242.70	243.63	0.93	5	fol	2	35			15			1					1	1.0	5.0	8.0		7.0	1% cp, 1% sp, trace gn	
							632258	243.63	243.98	0.35	60	fol	2	35			15			1					1	1.0	5.0	8.0		7.0	1% cp, 1% sp, trace gn	
						247.94 - 248.62: 5% thin quartz-calcite stringers and fracture-fillings at various angles. 5% py, 3% po, disseminated.	632259	247.94	248.62	0.68	<5	fol	1	45			5								0	5.0	3.0	3.0		2.0		
						248.62 - 252.00: 15% quartz-calcite veins, to 12 cm, mainly parallel to foliation. 15% py, 5% po, trace cp as stringers, disseminated or vein associated.	632260	248.62	249.62	1.00	<5	fol	1	45			15								0	15.0	5.0	8.0		7.0	trace cp	
							632261	249.62	250.62	1.00	<5	fol	1	45			15								0	15.0	5.0	8.0		7.0	trace cp	
							632262	250.62	251.61	0.99	5	fol	1	45			15								0	15.0	5.0	8.0		7.0	trace cp	
							632263	251.61	252.00	0.39	<5	fol	1	45			15								0	15.0	5.0	8.0		7.0	trace cp	
EOH						End of Hole																										

PROPERTY: ROWAN										CLAIM NO: 563036										HOLE NO: RW-01-159														
LOGGED BY: D. S. HUNT																				DATE(S) LOGGED: Jun. 20-23/ 01														
Unit Type	Interval		Length	CODE		DESCRIPTION	SAMPLING					FABRIC			STRUCTURE			ALTERATION							MAG			SULPHIDE			%VN			NOTE
	From	To	(m)	PCX	Modifiers		Sample #	From	To	Int.	Au ppb	TYP	STR	ANG	BXN	SHR	VN	BLE	SIL	DOL	CAL	BIG	SER	CHL	TLC	M.A.	%PY	%PO	Qz	Fe	Cal			

Signed By: 

GOLDCORP	COMPANY: GOLDCORP INC.	TWP. OR AREA: Todd Twp.	HOLE NUMBER: RW-01-160																																								
	PROPERTY: Rowan	CLAIM NO: 563669	NTS: 52 M/1																																								
LOCATION: S W		COLLAR ELEV. 1000 (default)	DATUM: UTM Zone 15 (NAD 27)																																								
UTM ZONE: 15	LATITUDE: EASTING: 426321	LONGITUDE: NORTHING: 5656357	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th colspan="3">ACID TESTS</th> <th>AZIMUTH:</th> <th>190</th> </tr> <tr> <th>DEPTH</th> <th>AZ</th> <th>ANGLE</th> <th>DIP @ COLLAR:</th> <th>-50</th> </tr> <tr> <td>69</td> <td>190</td> <td>-51</td> <th>FINAL LENGTH:</th> <th>249m</th> </tr> <tr> <td>111</td> <td>190</td> <td>-43</td> <th>VERT. DEPTH:</th> <td></td> </tr> <tr> <td>151</td> <td>190</td> <td>-47</td> <th>HORIZ. REACH:</th> <td></td> </tr> <tr> <td>174</td> <td>190</td> <td>-47</td> <th>CORE SIZE:</th> <th>BQTK</th> </tr> <tr> <td>225</td> <td>190</td> <td>-46</td> <th>CORE DIAM:</th> <th>40.7mm</th> </tr> <tr> <td colspan="3"></td> <th>SURFACE HOLE</th> <td></td> </tr> </table>	ACID TESTS			AZIMUTH:	190	DEPTH	AZ	ANGLE	DIP @ COLLAR:	-50	69	190	-51	FINAL LENGTH:	249m	111	190	-43	VERT. DEPTH:		151	190	-47	HORIZ. REACH:		174	190	-47	CORE SIZE:	BQTK	225	190	-46	CORE DIAM:	40.7mm				SURFACE HOLE	
ACID TESTS				AZIMUTH:	190																																						
DEPTH	AZ	ANGLE		DIP @ COLLAR:	-50																																						
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111	190	-43		VERT. DEPTH:																																							
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174	190	-47		CORE SIZE:	BQTK																																						
225	190	-46		CORE DIAM:	40.7mm																																						
				SURFACE HOLE																																							
DATES DRILLED: From: June 22, 2001 To: June 25, 2001																																											
DRILLED BY: N. Morrissette																																											
ASSAYED BY: Chemex Labs																																											
OVERBURDEN: 3.05m CASING LENGTH: 3m VERT. DEPTH:																																											
CASING DRILLED: 3m																																											
CASING RECOVERED: Casing left in hole																																											
BITS & SHOES LOST/USED: Shoe bit lost																																											
DESCRIPTION OF OVERBURDEN: Sandy, bouldery till	DRILL HOLE LOCATION MAP																																										
WATER SOURCE: Beaver pond																																											
LENGTH OF WATER LINE: 1615m																																											
DRILL CUTTINGS SAMPLED? No																																											
CORE RECOVERY: 100%																																											
SPECIAL DRILLING PROCEDURES:																																											
DRILL COLLAR MARKED BY: Casing capped and covered with PVC pipe																																											
If casing left in place, will the hole pump sufficient water for drilling? No																																											
PURPOSE OF THIS HOLE: To test western extension of conductor axis CD-14																																											
RESULTS: Conductive zones: 55.10 - 55.70; 57.50 - 58.25; 153.55 - 154.11m																																											
COMMENTS: Sperry-Sun	Depth (m)	Az.	Dip																																								
	81	191	-50																																								
	161	192	-44																																								
	249	188	-47																																								
LOGGED BY: D. S. Hunt	SIGNATURE: 		0																																								

PROPERTY:		ROWAN										CLAIM NO: 563669					HOLE NO: RW-01-160																					
LOGGED BY:		D. S. HUNT										DATE(S) LOGGED: Jun 23-27/01																										
Unit Type	Interval		Length (m)	CODE		DESCRIPTION	SAMPLING				FABRIC			STRUCTURE			ALTERATION						MAG		SULPHIDE		%VN		NOTE									
	From	To		PCX	Modifiers		Sample #	From	To	Int.	Au ppb	TYP	STR	ANG	BXN	SHR	VN	BLE	SIL	DOL	CAL	BIO	SER	CHL	TLC	M.A.	%PY	%PO		Qz	Fe	Cal						
M	0.00	3.05	3.05	OB		CASING. Sandy, bouldery till.																																
M	3.05	77.78	74.73	1A		<p>MASSIVE BASALT FLOWS. Medium grayish green, very fine to coarse grained, soft to hard, non- to strongly magnetic depending upon pyrrhotite content. Foliation weak to moderate 20 to 60 deg to core axis. 1% thin quartz-calcite stringers at various angles. 1% thin epidote stringers at various angles. Locally weakly talcose. Locally brecciated and weakly carbonatized. Locally biotitic, silicified and strongly magnetic below 48m. Locally weakly hematitic. 1% pyrite and pyrrhotite.</p> <p>3.05 - 4.54: 3% thin quartz-calcite veins at various angles. 5% py and 2% po, vein-associated.</p> <p>5.76 - 7.12: 10% quartz-calcite stringers, to 3 cm, mainly parallel to foliation. 5% py, 5% po and 3% sp, mainly vein-associated.</p> <p>8.48 - 9.00: 15% quartz-calcite veins, to 1 cm, mainly parallel to foliation. 3% po and 3% py, vein-associated.</p> <p>45.90 - 46.33: Locally bleached and brecciated. 3% thin quartz-calcite stringers parallel to foliation. 5% po as wispy stringers.</p> <p>46.68 - 48.00: 25% quartz veins, to 10 cm, mainly at 20 deg. 3% po, vein-associated.</p> <p>55.10 - 55.70: CONDUCTIVE. 20% quartz-calcite veins, to 2 cm, parallel to foliation. 15% po, 5% cp as stringers and vein-associated.</p> <p>55.70 - 57.00: Locally moderately bleached. 3% thin quartz-calcite stringers at various angles. 10% po, 5% py and 5% cp as blebs and stringers.</p> <p>57.00 - 57.50: 5% po, 5% py as stringers and blebs.</p> <p>57.50 - 58.25: CONDUCTIVE. 3% thin quartz-calcite stringers mainly parallel to foliation. 20% po, 10% py and 1% cp, blebby to semi-massive.</p> <p>58.25 - 59.42: 5% thin quartz-calcite stringers mainly parallel to foliation. 15% po, 10% py and 1% cp as stringers, blebs and locally semi-massive.</p>																																
							632264	3.05	4.00	0.95	10	fol	1	45											0	5.0	2.0	2.0			1.0							
							632265	4.00	4.54	0.54	10	fol	1	45											0	5.0	2.0	2.0			1.0							
							632266	5.76	6.75	0.99	235	fol	1	45											0	5.0	5.0	5.0			5.0		3% sp					
							632267	6.75	7.12	0.37	10	fol	1	45											0	5.0	5.0	5.0			5.0		3% sp					
							632268	8.48	9.00	0.52	10	fol	1	45											0	3.0	3.0	7.0			8.0							
							632269	45.90	46.33	0.43	<5	fol	2	35											0	0.0	5.0	1.0			2.0							
							632270	46.68	47.30	0.62	105	fol	2	35											0	0.0	3.0	25.0										
							632271	47.30	48.00	0.70	30	fol	2	35											0	0.0	3.0	25.0										
							632272	55.10	55.70	0.60	405	fol	2	35											3	0.0	15.0	15.0			5.0		5% cp					
							632273	55.70	56.52	0.82	<5	fol	2	35											3	5.0	10.0	2.0			1.0		5% cp					
							632274	56.52	57.00	0.48	<5	fol	2	35											3	5.0	10.0	2.0			1.0		5% cp					
							632275	57.00	57.50	0.50	<5	fol	2	35											3	5.0	10.0	2.0			1.0							
							632276	57.50	58.25	0.75	30	fol	2	35											3	10.0	20.0	2.0			1.0		1% cp					
							632277	58.25	58.83	0.58	10	fol	2	35											3	10.0	15.0	3.0			2.0		1% cp					
							632278	58.83	59.42	0.59	10	fol	2	35											3	10.0	15.0	3.0			2.0		1% cp					

PROPERTY:		ROWAN										CLAIM NO: 563669										HOLE NO: RW-01-160										
LOGGED BY:		D. S. HUNT																				DATE(S) LOGGED: Jun 23-27/01										
Unit	Interval	Length	CODE		DESCRIPTION	SAMPLING					FABRIC			STRUCTURE			ALTERATION							MAG	SULPHIDE		%VN		NOTE			
Type	From	To	(m)	PCX		Modifiers	Sample #	From	To	Int.	AU ppb	TYP	STR	ANG	BXN	SHR	VN	BLE	SIL	DOL	CAL	BIO	SER	CHL	TLC	M.A.	%PY	%PO		Qz	Fe	Cd
						59.42 - 62.74: Locally weakly bleached. 3% thin quartz-calcite stringers at various angles. 10% po, 3% py and 1% cp as stringers and blebs.	632279	59.42	60.42	1.00	5	fol	2	35				3	1								3	3.0	10.0	2.0	1.0	1% cp
							632280	60.42	61.35	0.93	<5	fol	1	45				3	1							3	3.0	10.0	2.0	1.0	1% cp	
							632281	61.35	62.35	1.00	<5	fol	1	45				3	1							0	3.0	10.0	2.0	1.0	1% cp	
							632282	62.35	62.74	0.39	<5	fol	1	45				3	1							0	3.0	10.0	2.0	1.0	1% cp	
						63.55 - 65.92: Intrusion breccia associated with feldspar porphyry below.																										
						66.94 - 67.07: Intrusion breccia associated with feldspar porphyry below.																										
						67.57 - 68.03: Locally bleached. 3% thin quartz-calcite stringers at various angles. 10% po as blebs and stringers.	632283	67.57	68.03	0.46	5	fol	1	60				3	1							1	0.0	10.0	2.0	1.0		
						69.59 - 70.10: Locally bleached. 1% thin quartz-calcite stringers at various angles. 7% po as blebs and stringers.	632284	69.59	70.10	0.51	<5	fol	1	60				1	1							1	0.0	7.0	0.5	0.5		
						71.93 - 72.44: 20% quartz-calcite veins, to 10 cm, at various angles. 3% po as blebs.	632285	71.93	72.44	0.51	15	fol	1	35												0	0.0	3.0	10.0	10.0		
						72.44 - 73.21: 15% quartz-calcite veins, to 3 cm, at various angles. 5% po as stringers and vein-associated.	632286	72.44	73.21	0.77	5	fol	1	35												0	0.0	5.0	8.0	7.0		
						73.21 - 73.44: 80% quartz vein sub-parallel to core axis. 3% vein-associated pyrite.	632287	73.21	73.44	0.23	30	fol	1	35				80								0	3.0	0.0	80.0			
						73.95 - 74.16: Intrusion breccia associated with feldspar porphyry below.																										
						75.10 - 75.38: Intrusion breccia associated with feldspar porphyry below.																										
						75.76 - 75.91: Intrusion breccia associated with feldspar porphyry below.																										
						76.09 - 76.65: Locally weakly bleached. 3% thin quartz veins mainly parallel to foliation. 10% po as blebs.	632288	76.09	76.65	0.56	<5	fol	1	35				3	1							1	0.0	10.0	2.0	1.0		
						76.65 - 77.78: Intrusion breccia associated with feldspar porphyry below.																										
						76.65 - 77.52: Weakly bleached. 3% thin quartz-calcite stringers at various angles. 10% po, 3% py and 1% cp as stringers and blebs.	632289	76.65	77.52	0.87	<5	fol	1	35				3	1							1	3.0	10.0	2.0	1.0	1% cp	
						Lower contact sharp at 35 deg.																										

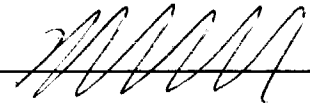
PROPERTY:		ROWAN				CLAIM NO: 563669														HOLE NO: RW-01-160												
LOGGED BY:		D. S. HUNT																		DATE(S) LOGGED: Jun 23-27/01												
Unit Type	Interval		Length	CODE		DESCRIPTION	SAMPLING				FABRIC			STRUCTURE			ALTERATION								SULPHIDE		%VN		NOTE			
	From	To	(m)	PCX	Modifiers		Sample #	From	To	Int.	An ppb	TYP	STR	ANG	BXN	SER	VN	BLE	SIL	DOL	CAL	BIO	SER	CEL	TLC	MA	%PY	%PO		Qz	Fe	Cal
M	77.78	116.36	38.58	7B		FELDSPAR PORPHYRY. Medium grayish brown, coarse grained, hard to soft, non-magnetic. Local thin intrusion breccia sections near upper part of unit. Occasional isolated basalt xenoliths throughout unit. Locally weakly biotitic. Weak foliation at 30 to 60 deg. 1% thin quartz-calcite stringers at various angles. 1% pyrrhotite and trace chalcopyrite as disseminated blebs.					fol	1	45			1											0.0	1.0	0.5		0.5	tr cp
						80.58 - 81.23: Locally weakly biotitic. 5% po as blebs.	632290	80.58	81.23	0.65	<5					0						1				0	0.0	5.0	0.0		0.0	
						111.28 - 112.04: 25% basalt xenoliths. 5% thin quartz-calcite stringers mainly parallel to foliation. 5% po and 1% cp associated with xenoliths.	632291	111.28	112.04	0.76	5	fol	1	30			5									0	0.0	5.0	3.0		2.0	1% cp
						Lower contact sharp at 45 deg.																										
M	116.36	197.59	81.23	1P		PILLOWED BASALT FLOWS. Medium grayish green, very fine to medium grained, soft to hard, non- to strongly magnetic. Locally weakly silicified. Locally weakly chloritic. Locally weakly to moderately talcose. Locally weakly to moderately carbonatized. Locally weakly biotitic. Weak to moderate foliation at 25 to 65 deg. 3% thin quartz-calcite stringers at various angles. 1% pyrrhotite, trace pyrite and chalcopyrite as blebs and stringers.					fol	2	45			1	1	1	1		1		1	1	2	0.5	1.0	0.5		0.5	trace cp	
						128.71 - 129.98: Locally weakly chloritic. 20% quartz veins, to 3 cm, parallel to foliation. 5% po and 3% py, vein-associated.	632292	128.71	129.50	0.79	15	fol	1	65			20							1		0	3.0	5.0	20.0			
						130.39 - 130.96: 20% quartz veins, to 10 cm, parallel to foliation. 10% po and 5% py, vein-associated.	632293	129.50	129.98	0.48	10	fol	1	65			20							1		0	3.0	5.0	20.0			
						132.00: Fault gouge at 50 deg.	632294	130.39	130.96	0.57	150	fol	1	65			20							0		0	5.0	10.0	20.0			
						143.53 - 143.92: 30% quartz-calcite veins, to 3 cm, mainly parallel to foliation. 1% py and 1% po, disseminated.	632295	143.53	143.92	0.39	20	fit		50			30									0	1.0	1.0	15.0		15.0	
						144.97 - 145.85: 20% wispy quartz-calcite veins, to 1 cm, at various angles. 1% vein-associated pyrite.	632296	144.97	145.85	0.88	5	fol	1	25			20									0	1.0	0.0	10.0		10.0	
						148.78 - 149.13: A 5 cm quartz vein at 50 deg. Trace vein-associated py.	632297	148.97	149.13	0.16	<5	fol	1	25			20									0	1.0	0.0	20.0			
						153.55 - 154.11: CONDUCTIVE. 30% quartz veins, to 6 cm, mainly parallel to foliation. 15% po, 10% py, 5% asp as blebs and stringers.	632298	153.55	154.11	0.56	475	fol	1	45			30									3	10.0	15.0	30.0		0.0	5% asp
						162.58 - 163.42: 10% quartz-calcite veins, to 4 cm, parallel to foliation.	632299	162.58	163.42	0.84	5	fol	1	50			10									0	0.0	0.0	5.0		5.0	
						163.42 - 163.72: 18 cm quartz-calcite vein at 45 deg.	632301	163.42	163.72	0.30	<5	fol	1	50			90									0	0.0	0.0	45.0		45.0	

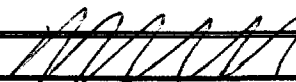
PROPERTY:		ROWAN				CLAIM NO: 563669																HOLE NO: RW-01-160									
LOGGED BY:		D. S. HUNT																				DATE(S) LOGGED: Jun 23-27/01									
Unit Type	Interval		Length (m)	CODE		DESCRIPTION	SAMPLING				FABRIC			STRUCTURE			ALTERATION							MAG		SULPHIDE		%VN			NOTE
	From	To		PCX	Modifiers		Sample #	From	To	Int.	Au ppb	TYP	STR	ANG	BKN	SFR	VN	BLE	SIL	DOL	CAL	BIO	SER	CHL	TLC	M.A.	%PY	%PO	Qz	Fe	
						163.72 - 165.47: 10% quartz-calcite veins, to 1 cm, at various angles. 1% blebby po.	632302	163.72	164.72	1.00	<5	fol	1	50											0	0.0	1.0	5.0	5.0		
							632303	164.72	165.47	0.75	<5	fol	1	50											0	0.0	1.0	5.0	5.0		
						166.45 - 168.00: 5% quartz-calcite veins, to 2 cm, at various angles. 1% blebby pyrrhotite.	632304	166.45	167.42	0.97	<5	fol	1	50											0	0.0	1.0	3.0	2.0		
							632305	167.42	168.00	0.58	<5	fol	1	50											0	0.0	1.0	3.0	2.0		
						178.35 - 178.65: 10% quartz-calcite veins, to 1 cm, parallel to foliation. 15% po, 3% py and 1% cp as veins and stringers.	632306	178.35	178.65	0.30	15	fol	2	35											0	3.0	15.0	5.0	5.0	1% cp	
						180.00 - 180.61: 60% cherty interflow sediment. 1% thin quartz-calcite stringers parallel to foliation. 10% po and 3% cp mainly as stringers.	632307	180.00	180.61	0.61	35	fol	1	40											3	0.0	10.0	0.5	0.5	3% cp	
						180.04 - 180.16: Cherty interflow sediment. Upper and lower contacts at 50 and 35 deg, respectively.						con		43																	
						180.32 - 180.60: Cherty interflow sediment. Upper and lower contacts at 40 and 50 deg, respectively.						con		45																	
						187.76 - 188.48: 15% quartz-calcite veins, to 3 cm, mainly parallel to foliation. 5% py as disseminated cubes.	632308	187.76	188.48	0.72	20	fol	2	30											0	5.0	0.0	8.0	7.0		
						188.48 - 188.80: 5% thin quartz-calcite stringers mainly parallel to foliation. 10% py and 5% po mainly vein-associated.	632309	188.48	188.80	0.32	5	fol	2	30											0	10.0	5.0	3.0	2.0		
						188.80 - 189.37: Cherty interflow sediment with contacts at 35 to 40 deg. 3% thin quartz-calcite stringers parallel to foliation. 10% sp, 10% asp, 3% po, 1% gn and 1% cp mainly as stringers.	632310	188.80	189.37	0.57	275	bd		38											0	0.0	3.0	2.0	1.0	10% sp, 10% asp, 1% gn, 1% cp	
						189.37 - 190.46: Weakly biotitic. 5% thin quartz-calcite stringers parallel to foliation. 3% po and 1% py as cubes and streaks.	632311	189.37	190.12	0.75	<5	fol	2	30								1			0	1.0	3.0	3.0	2.0		
							632312	190.12	190.46	0.34	15	fol	2	30								1			0	1.0	3.0	3.0	2.0		
						190.46 - 190.78: 30% quartz veins, to 5 cm, mainly parallel to foliation. 10% py, 1% po and 1% sp, disseminated and as slips and stringers.	632313	190.46	190.78	0.32	200	fol	2	30											0	10.0	1.0	30.0	1.0	1% sp	
						194.48 - 195.12: 3% thin quartz-calcite stringers at various angles. 3% py, 1% asp, 1% po as scattered cubes, blebs and stringers	632214	194.48	195.12	0.64	10	fol	2	30											0	3.0	1.0	2.0	1.0	1% asp	
						196.46 - 197.59: Weakly biotitic and carbonatized. 10% thin, wispy quartz-calcite stringers mainly parallel to foliation. 3% py, 1% po, mainly disseminated.	632215	196.46	197.36	0.90	20	fol	1	40						1		1			0	3.0	1.0	5.0	5.0		
							632216	197.36	197.59	0.23	5	fol	1	40						1		1			0	3.0	1.0	5.0	5.0		
						Lower contact sharp at 20 deg.																									

PROPERTY:		ROWAN			CLAIM NO: 563669													HOLE NO: RW-01-160																
LOGGED BY:		D. S. HUNT																DATE(S) LOGGED: Jun 23-27/01																
Unit Type	Interval		Length	CODE	DESCRIPTION	SAMPLING				FABRIC			STRUCTURE			ALTERATION							MAG		SULPHIDE		%VN			NOTE				
	From	To	(m)	PCX		Modifiers	Sample #	From	To	Int.	As ppb	TYP	STR	ANG	BXN	SHR	VN	BLE	SIL	DOL	CAL	BIO	SER	CHL	TLC	M.A.	%PY	%PO	Qz		Fe	Cal		
M	197.59	203.42	5.83	7C	<p>QUARTZ-FELDSPAR PORPHYRY. Pale to medium gray, very fine to medium grained, soft to hard, non- to weakly magnetic. Very weakly biotitic. Locally weakly carbonatized. Weak foliation at 35 deg. 3% thin quartz-calcite stringers at various angles. 1% pyrrhotite, trace sphalerite and chalcopyrite.</p> <p>197.59 - 198.00: 5% thin, wispy quartz-calcite stringers at various angles. 3% po, 3% sp and trace cp as stringers.</p> <p>198.00 - 198.60: 5% thin quartz-calcite stringers at various angles. Trace py, po and cp.</p> <p>199.63 - 201.00: Weakly carbonatized. 5% quartz-calcite stringers, to 1 cm, mainly parallel to foliation. 3% po, 1% cp and 1% py, vein-associated.</p> <p>Lower contact sharp at 20 deg.</p>	632317	197.59	198.00	0.41	130	fol	1	35				3										1	0.0	1.0	2.0			1.0	trace cp, trace sp
						632318	198.00	198.60	0.60	<5	fol	1	35												1	0.0	3.0	3.0			2.0	3% sp, trace cp		
						632319	199.63	200.27	0.64	10	fol	1	35							1					1	1.0	3.0	3.0			2.0	1% cp		
						632320	200.27	201.00	0.73	5	fol con	1	35 20							1					1	1.0	3.0	3.0			2.0	1% cp		
M	203.42	213.50	10.08	1P	<p>PILLOWED BASALT FLOWS. Similar to 116.36 - 197.59.</p> <p>203.56 - 205.31: 10% quartz-calcite veins, to 3 cm, mainly parallel to foliation. 3% po, 1% py and 1% cp, mainly vein-associated.</p> <p>205.31 - 205.68: 30% quartz-calcite veins, to 7 cm, at various angles. 3% cp and 3% po, vein-associated.</p> <p>206.71 - 207.14: 15% po, 3% asp, 1% py and 1% cp as quartz-sulfide stringers, to 2 cm, sub-parallel to core axis.</p> <p>211.12 - 211.65: Cherty interflow sediment, with upper and lower contacts at 25 and 40 deg, respectively. 30% quartz-calcite veins or beds to 2 cm, parallel to bedding. 10% po, 5% cp, 5% py and 1% asp, vein-associated.</p> <p>Lower contact sharp at 45 deg.</p>	632321	203.56	204.52	0.96	10	fol	2	35				10										2	1.0	3.0	5.0			5.0	1% cp
						632322	204.52	205.31	0.79	10	fol	2	35												2	1.0	3.0	5.0			5.0	1% cp		
						632323	205.31	205.68	0.37	20	fol	2	35												0	0.0	3.0	15.0			15.0	3% cp		
						632324	206.71	207.14	0.43	545	fol	2	35												0	1.0	15.0	10.0			0.0	3% asp, 1% cp		
						632325	211.12	211.65	0.53	50	bd con		33 45												3	5.0	10.0	15.0			15.0	5% cp, 1% asp		
M	213.50	223.25	9.75	1C	<p>MAFIC TO INTERMEDIATE LAPILLI AND ASH TUFF with thin intercalated beds of oxide iron formation.</p> <p>Medium to dark grayish green, very fine to medium grained, soft to hard, non- to strongly magnetic depending upon pyrrhotite and magnetite content. Moderate foliation at 30 deg. 1% disseminated pyrite.</p> <p>213.50 - 214.75: Pale gray lapilli tuff. Lower contact sharp at 50 deg.</p> <p>214.49 - 214.83: 3% disseminated py.</p>	632326	214.49	214.83	0.34	<5	fol	2	30													2	1.0							

PROPERTY:		ROWAN			CLAIM NO: 563669													HOLE NO: RW-01-160														
LOGGED BY:		D. S. HUNT																DATE(S) LOGGED: Jun 23-27/01														
Unit Type	Interval		Length (m)	CODE		DESCRIPTION	SAMPLING					FABRIC			STRUCTURE			ALTERATION						MAG		SULPHIDE		%VN			NOTE	
	From	To		PCX	Modifiers		Sample #	From	To	Int.	Au ppb	TYP	STR	ANG	BXN	SHR	VN	BLE	SIL	DOL	CAL	BIO	SER	CHL	TLC	M.A.	%PY	%PO	Qz	Fe		Cal
						215.58 - 219.55: 10% quartz-calcite veins, to 1 cm, mainly parallel to foliation. 10% cp, 10% po, 1% sp and 1% asp as stringers and vein-associated.	632327	215.58	216.58	1.00	65	fol	2	30												0	0.0	10.0	5.0	5.0	10% cp, 1% asp, 1% sp	
							632328	216.58	217.58	1.00	25	fol	2	30												0	0.0	10.0	5.0	5.0	10% cp, 1% asp, 1% sp	
							632329	217.58	218.58	1.00	30	fol	2	30												0	0.0	10.0	5.0	5.0	10% cp, 1% asp, 1% sp	
							632330	218.58	219.55	0.97	20	fol	2	30												0	0.0	10.0	5.0	5.0	10% cp, 1% asp, 1% sp	
						219.55 - 219.97: Pale gray lapilli tuff with contacts at 35 to 40 deg. 5% disseminated pyrite.	632331	219.55	219.97	0.42	15	fol	2	30												1	5.0	0.0	0.0	0.0		
						219.97 - 221.64: Locally weakly biotitic. 10% wispy quartz-calcite stringers, to 1 cm, mainly parallel to foliation. 10% po, 5% cp and 1% asp, vein-associated.	632332	219.97	220.90	0.93	60	fol	2	30								1					1	0.0	10.0	5.0	5.0	5% cp, 1% asp
							632333	220.90	221.64	0.74	85	fol	1	45								1					1	0.0	10.0	5.0	5.0	5% cp, 1% asp
						222.28 - 223.25: 10% thin, wispy quartz-calcite stringers mainly parallel to foliation. 10% po, 5% cp, 5% py, 1% asp, disseminated and vein-associated. Lower contact sharp at 55 deg.	632334	222.28	223.25	0.97	15	fol	1	45													0	5.0	10.0	5.0	5.0	5% cp, 1% asp
M	223.25	249.00	25.75	1A		MASSIVE BASALT FLOWS. Medium to dark grayish green, very fine to medium grained, soft to moderately hard, non- to moderately magnetic. Weak foliation at 35 to 50 deg. 5% thin quartz-calcite stringers and fracture-fillings at various angles. 1% pyrrhotite, 1% pyrite, trace sphalerite and chalcopyrite.						fol	1	43												0	1.0	1.0	3.0	2.0	trace sph, trace cp	
						224.86 - 225.28: 10% quartz-calcite veins, to 1.5 cm, mainly at 75 deg. 3% py and 3% po as stringers and blebs.	632335	224.86	225.28	0.42	<5	fol	1	43													0	3.0	3.0	5.0	5.0	
						230.11 - 230.44: 20% thin, wispy quartz-calcite stringers mainly parallel to foliation. 1% po and 1% asp, mainly vein-associated.	632336	230.11	230.44	0.33	50	fol	1	43													0	0.0	1.0	10.0	10.0	1% asp
						231.97 - 232.43: 10% thin, wispy quartz-calcite stringers mainly parallel to foliation. 5% py and 5% po, disseminated.	632337	231.97	232.43	0.46	10	fol	1	35													1	5.0	5.0	5.0	5.0	
						232.43 - 232.74: Strongly foliated lapilli tuff with contacts at 20 deg.																										

PROPERTY: ROWAN					CLAIM NO: 563669															HOLE NO: RW-01-160												
LOGGED BY: D. S. HUNT					DATE(S) LOGGED: Jun 23-27/01																											
Unit Type	Interval		Length	CODE		DESCRIPTION	SAMPLING				FABRIC			STRUCTURE			ALTERATION									MAG	SULPHIDE		%VN			NOTE
	From	To	(m)	PCX	Modifiers		Sample #	From	To	Int.	Au ppb	TYP	STR	ANG	BXN	SHR	VN	BLE	SIL	DOL	CAL	BIO	SER	CHL	TLC		M.A.	%PY	%PO	Qz	Fe	
						232.74 - 233.32: 10% thin, wispy quartz-calcite stringers mainly parallel to foliation. 5% py, 5% po and 1% asp, disseminated.	632338	232.74	233.32	0.58	10	fol	1	35			10										1	5.0	5.0	5.0	5.0	1% asp
						240.15 - 241.59: 10% quartz-calcite veins, to 3 cm, mainly parallel to foliation. 5% po and 5% py, disseminated.	632339	240.15	241.07	0.92	5	fol	1	50			10									0	5.0	5.0	5.0	5.0		
						243.78 - 245.29: 30% quartz-calcite veins and matrix breccia, to 13 cm, mainly parallel to foliation. 5% po and trace cp, vein-associated.	632340	241.07	241.59	0.52	<5	fol	1	50			10									0	5.0	5.0	5.0	5.0	5.0	
							632341	243.78	244.78	1.00	<5	fol	1	60			30									2	0.0	5.0	15.0	15.0	trace cp	
							632342	244.78	245.29	0.51	<5	fol	1	60			30									2	0.0	5.0	15.0	15.0	trace cp	
						245.29 - 249.00: 15% quartz-calcite stringers, to 2 cm, at various angles. 1% po and trace cp, vein-associated.	632343	245.29	246.29	1.00	<5	fol	1	60			15									0	0.0	1.0	8.0	7.0	trace cp	
							632344	246.29	247.29	1.00	<5	fol	1	60			15									0	0.0	1.0	8.0	7.0		
							632345	247.29	248.27	0.98	10	fol	1	60			15									0	0.0	1.0	8.0	7.0		
							632346	248.27	249.00	0.73	10	fol	1	60			15									0	0.0	1.0	8.0	7.0		
EOH						End of Hole																										

Signed By: 

GOLDCORP	COMPANY:	GOLDCORP INC.			TWP. OR AREA:	Todd Twp.		HOLE NUMBER:	RW-01-161	
	PROPERTY:	Rowan			CLAIM NO:	563669		NTS:	52 M/1	
LOCATION:	S	W			COLLAR ELEV.	1000 (default)		DATUM:	UTM Zone 15 (NAD 27)	
UTM ZONE:	LATITUDE:	LONGITUDE:		ACID TESTS		AZIMUTH:		180		
	EASTING:	426411	NORTHING:	5656369	DEPTH	AZ	ANGLE	DIP @ COLLAR:	-50	
DATES DRILLED:	From:	June 25, 2001	To:	June 27, 2001	42	180	-46	FINAL LENGTH:	250m	
DRILLED BY:	N. Morissette			132	180	-45	VERT. DEPTH:			
ASSAYED BY:	Chemex Labs			192	180	-40	HORIZ. REACH:			
OVERBURDEN:	2.44m	CASING LENGTH:	3m	VERT. DEPTH:	240	180	-42	CORE SIZE:	BQTK	
CASING DRILLED:	3m			CORE DIAM:		40.7mm		SURFACE HOLE		
CASING RECOVERED:	Casing left in hole			DRILL HOLE LOCATION MAP						
BITS & SHOES LOST/USED:	Shoe bit lost									
DESCRIPTION OF OVERBURDEN:	Sandy, bouldery till									
WATER SOURCE:	Beaver Pond									
LENGTH OF WATER LINE:	1707m									
DRILL CUTTINGS SAMPLED?	No									
CORE RECOVERY:	100%									
SPECIAL DRILLING PROCEDURES:										
DRILL COLLAR MARKED BY:	Casing capped and covered with PVC pipe									
If casing left in place, will the hole pump sufficient water for drilling?	No									
PURPOSE OF THIS HOLE:	To test conductor axis CD-14									
RESULTS:	Conductive zones at 50.93 - 51.25 and 243.14 - 243.87m									
COMMENTS:	Sperry-Sun:	Depth	Az.	Dip						
		80	181	-48						
		168	187	-47.5						
		250	179.5	-41						
LOGGED BY:	D. S. Hunt		SIGNATURE:					0		

PROPERTY: ROWAN					CLAIM NO: 563669															HOLE NO: RW-01-161											
LOGGED BY: D. S. HUNT					DATE(S) LOGGED: Jun 26 - 28/01																										
Unit Type	Interval		Length (m)	CODE		DESCRIPTION	SAMPLING				FABRIC			STRUCTURE			ALTERATION						MAG	SULPHIDE		%VN			NOTE		
	From	To		PCX	Modifiers		Sample #	From	To	Int.	An ppb	TYP	STR	ANG	BXN	SER	VN	BLE	SIL	DOL	CAL	BIO		SER	CHL	TLC	M.A.	%PY		%PO	Qz
M	0.00	2.44	2.44	OB		CASING. Sandy, bouldery till.																									
M	2.44	21.44	19.00	1A		MASSIVE BASALT FLOWS. Pale to medium bluish green, very fine to coarse grained, soft to hard, non- to weakly magnetic. Weak foliation at 40 deg. to core axis. Locally weakly carbonatized. 5% thin quartz-calcite veins mainly parallel to foliation. 3% pyrrhotite and trace chalcopyrite.																									
						2.44 - 2.87: Buff coloured cherty interflow sediment. 10% quartz-calcite veins, to 2 cm, parallel to foliation.	632347	2.44	2.87	0.43	5	fol	1	40											1	0.0	0.0	5.0	5.0		
						2.87 - 3.28: Weakly carbonatized. 10% quartz-calcite veins, to 2 cm, parallel to foliation.	632348	2.87	3.28	0.41	<5	fol	1	40					1						1	0.0	0.0	5.0	5.0		
						3.28 - 4.00: Gray to buff cherty interflow sediment. 10% thin quartz-calcite stringers mainly parallel to foliation. 3% py and 1% po as stringers parallel to foliation.	632349	3.28	4.00	0.72	10	fol	1	40											0	3.0	1.0	5.0	5.0		
						6.00 - 6.39: 70% quartz-calcite veins, to 10 cm, at 20 deg. Trace vein-associated py.	632351	6.00	6.39	0.39	15	fol	1	40											0	0.5	0.0	35.0	35.0		
						6.66 - 7.15: 70% quartz veins, to 20 cm, at various angles. 10% po and 3% cp, vein-associated. Lower contact sharp at 40 deg.	632352	6.66	7.15	0.49	<5	fol	1	40											2	3.0	10.0	35.0	35.0		
M	21.44	73.47	52.03	1P		PILLOWED BASALT FLOWS. Pale to medium grayish green, very fine to medium grained, soft to moderately hard, non- to strongly magnetic depending upon pyrrhotite content. Moderate foliation at 40 to 60 deg. Weakly carbonatized, with chloritic stringers common. Rare small epidote patches. 5% thin, wispy quartz-calcite stringers mainly parallel to foliation.																									
						37.06 - 37.36: 30% quartz-calcite veins, to 3 cm, parallel to foliation. 5% stringer po.	632353	37.06	37.36	0.30	<5	fol	1	45											0	0.0	5.0	15.0	15.0		
						38.00 - 38.72: 20% quartz-calcite veins, to 2 cm, mainly parallel to foliation. 1% vein-associated po.	632354	38.00	38.72	0.72	<5	fol	1	45											0	0.0	1.0	10.0	10.0		
						40.81 - 42.19: Locally carbonatized. Occasional epidote patches. 20% quartz and quartz-calcite veins, to 6 cm, mainly parallel to foliation. 3% vein-associated po.	632355	40.81	41.73	0.92	<5	fol	1	45					1						0	0.0	3.0	15.0	5.0		
						50.93 - 51.25: CONDUCTIVE ZONE. 10% sp, 5% po, 1% cp and 1% asp as stringers.	632356	41.73	42.19	0.46	<5	fol	1	45						1					0	0.0	3.0	15.0	5.0		
							632357	50.93	51.25	0.32	640	fol	2	45										3	0.0	5.0	0.0	0.0		10% sp, 1% cp, 1% asp	
						52.48 - 53.23: 1% thin quartz-calcite stringers parallel to foliation. 2% sp, 3% po and 3% cp as stringers.	632358	52.48	53.23	0.75	55	fol	2	45					1					1	0.0	3.0	0.5	0.5	2% sp, 3% cp		

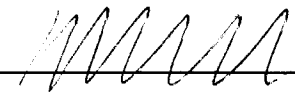
PROPERTY:		ROWAN		CLAIM NO: 563669																HOLE NO: RW-01-161										
LOGGED BY:		D. S. HUNT		DATE(S) LOGGED: Jun 26 - 28/01																										
Unit Type	Interval		Length (m)	CODE		DESCRIPTION	SAMPLING				FABRIC			STRUCTURE			ALTERATION						MAG	SULPHIDE		%VN			NOTE	
	From	To		PCX	Modifiers		Sample #	From	To	Int.	Au ppb	TYP	STR	ANG	BXN	SER	VN	BLE	SIL	DOL	CAL	BIO	SER	CHL	TLC	M.A.	% PY	%PO		Qz
						53.95 - 54.75: Locally carbonatized. 5% thin quartz-calcite stringers mainly parallel to foliation. 3% vein-associated po.	632359	53.95	54.75	0.80	65	fol	2	45											2	0.0	3.0	3.0	2.0	
						56.92 - 57.51: 5% quartz-calcite stringers, to 1 cm, at various angles. 7% po and 3% py, vein-associated.	632360	56.92	57.51	0.59	5	fol	1	55											0	3.0	7.0	3.0	2.0	
						66.66 - 67.89: 20% quartz-calcite stringers, to 1 cm, parallel to foliation. 5% po, 3% sp and 3% asp, vein-associated.	632361	66.66	67.19	0.53	40	fol	1	60											0	0.0	5.0	10.0	10.0	3% sp, 3% asp
							632362	67.19	67.89	0.70	105	fol	1	60											0	0.0	5.0	10.0	10.0	3% sp, 3% asp
						70.63 - 71.30: 5% thin, wispy quartz-calcite stringers at various angles. 3% po, 1% py and trace cp, vein-associated.	632363	70.63	71.30	0.67	25	fol	1	60											0	1.0	3.0	3.0	2.0	trace cp
						Lower contact sharp at 10 deg.						con		10																
M	73.47	97.43	23.96	1A		MASSIVE BASALT FLOWS. Medium bluish, grayish green, very fine to coarse grained, soft to moderately hard, non-magnetic. Weak foliation at 40 to 70 deg. Locally very weakly biotitic. Locally weakly carbonatized. 5% thin quartz-calcite veins, at various angles. Trace pyrite.						fol	1	55										0	1.0	0.0	3.0	2.0		
						82.28 - 82.66: 8 cm quartz vein at 65 deg. 5% vein-associated py.	632364	82.28	82.66	0.38	20	fol	1	70										0	5.0	0.0	20.0	0.0		
						Lower contact sharp at 30 deg.																								
M	97.43	201.31	103.88	1P		PILLOWED BASALT FLOWS with some massive sections. Medium grayish green, fine to very fine grained, soft to moderately hard, non- to strongly magnetic depending upon pyrrhotite content. Weak to moderate foliation at 30 to 70 deg. Locally silicified. Locally weakly carbonatized. 5% thin quartz-calcite stringers at various angles. 3% pyrrhotite, 1% pyrite, trace chalcopyrite and arsenopyrite.						fol	1	50										2	1.0	3.0	3.0	1.0	trace cp, trace asp	
						102.00 - 105.00: Locally carbonatized. 15% quartz-calcite veins, to 2 cm, at various angles. 10% po, 3% sph, 3% py, 3% cp and 1% asp mainly vein-associated.	632365	102.00	103.00	1.00	125	fol	1	45											2	3.0	10.0	10.0	5.0	3% sph, 3% cp, 1% asp
							632366	103.00	104.00	1.00	<5	fol	1	45											2	3.0	10.0	10.0	5.0	3% sph, 3% cp, 1% asp
							632367	104.00	105.00	1.00	5	fol	1	45											2	3.0	10.0	10.0	5.0	3% sph, 3% cp, 1% asp


PROPERTY: ROWAN				CLAIM NO: 563669												HOLE NO: RW-01-161																
LOGGED BY: D. S. HUNT				DATE(S) LOGGED: Jun 26 - 28/01																												
Unit Type	Interval		Length (m)	CODE		DESCRIPTION	SAMPLING				FABRIC			STRUCTURE			ALTERATION						MAG		SULPHIDE		%VN			NOTE		
	From	To		PCX	Modifiers		Sample #	From	To	Int.	Au ppb	TYP	STR	ANG	BXN	SHR	VN	BLE	SIL	DOL	CAL	BIO	SER	CHL	TLC	M.A.	%PY	%PO	Qz		F*	Cu
						105.00 - 105.50: 20% quartz-calcite veins, to 4 cm, mainly parallel to foliation. 10% po as stringers and vein-associated.	632368	105.00	105.50	0.50	105	fol	1	45											3	0.0	10.0	10.0		10.0		
						105.50 - 106.80: 20% thin, wispy quartz-calcite stringers mainly parallel to foliation. 10% po, 5% py, 3% cp as stringers, blebs and vein-associated.	632369	105.50	106.38	0.88	115	fol	1	70											3	5.0	10.0	10.0		10.0	3% cp	
						106.80 - 107.50: 10% thin, wispy quartz-calcite stringers parallel to foliation. 10% po, 3% cp and 3% py, mainly vein-associated.	632370	106.38	106.80	0.42	35	fol	1	70											3	5.0	10.0	10.0		10.0	3% cp	
						106.80 - 107.50: 10% thin, wispy quartz-calcite stringers parallel to foliation. 10% po, 3% cp and 3% py, mainly vein-associated.	632371	106.80	107.50	0.70	10	fol	1	70											3	3.0	10.0	5.0		5.0	3% cp	
						107.50 - 108.69: 3% thin quartz-calcite stringers at various angles. 10% po, 5% sph and 1% cp, vein-associated and as stringers.	632372	107.50	108.50	1.00	<5	fol	1	70											2	0.0	10.0	2.0		1.0	5% sph, 1% cp	
						107.50 - 108.69: 3% thin quartz-calcite stringers at various angles. 10% po, 5% sph and 1% cp, vein-associated and as stringers.	632373	108.50	108.69	0.19	<5	fol	1	70											2	0.0	10.0	2.0		1.0	5% sph, 1% cp	
						111.66 - 113.80: Locally silicified. 10% thin quartz-calcite stringers mainly parallel to foliation. 10% po, 3% sph, 3% py, 1% cp and 1% asp.	632374	111.66	112.61	0.95	360	fol	1	55											2	3.0	10.0	5.0		5.0	3% sph, 1% cp, 1% asp	
						111.66 - 113.80: Locally silicified. 10% thin quartz-calcite stringers mainly parallel to foliation. 10% po, 3% sph, 3% py, 1% cp and 1% asp.	632375	112.61	113.40	0.79	<5	fol	1	55											2	3.0	10.0	5.0		5.0	3% sph, 1% cp, 1% asp	
						111.66 - 113.80: Locally silicified. 10% thin quartz-calcite stringers mainly parallel to foliation. 10% po, 3% sph, 3% py, 1% cp and 1% asp.	632376	113.40	113.80	0.40	10	fol	1	55											2	3.0	10.0	5.0		5.0	3% sph, 1% cp, 1% asp	
						127.17 - 127.92: 40% quartz-calcite veins, to 9 cm, at various angles. 1% asp, vein-associated.	632377	127.17	127.92	0.75	5	fol	1	45											0	0.0	0.0	30.0		10.0	1% asp	
						131.83 - 133.88: 10% brown, coarse grained, feldspar porphyry dykes. 15% quartz-calcite veins, to 10 cm, at various angles. 5% po, 5% sph, 1% cp and 1% py as stringers and vein-associated.	632378	131.83	132.83	1.00	10	fol	1	45												1	1.0	5.0	8.0		7.0	5% sp, 1% cp
						131.83 - 133.88: 10% brown, coarse grained, feldspar porphyry dykes. 15% quartz-calcite veins, to 10 cm, at various angles. 5% po, 5% sph, 1% cp and 1% py as stringers and vein-associated.	632379	132.83	133.50	0.67	30	fol	1	45												1	1.0	5.0	8.0		7.0	5% sp, 1% cp
						131.83 - 133.88: 10% brown, coarse grained, feldspar porphyry dykes. 15% quartz-calcite veins, to 10 cm, at various angles. 5% po, 5% sph, 1% cp and 1% py as stringers and vein-associated.	632380	133.50	133.88	0.38	20	fol	1	45												1	1.0	5.0	8.0		7.0	5% sp, 1% cp
						138.86 - 139.54: 20% quartz-calcite veins, to 2 cm, mainly parallel to foliation. 3% po and 1% py mainly vein-associated.	632381	138.86	139.54	0.68	<5	fol	1	45												2	1.0	3.0	15.0		5.0	
						140.25 - 141.00: 10% thin quartz-calcite stringers sub-parallel to core axis. 15% po, 1% cp and 1% py, mainly vein-associated.	632382	140.25	141.00	0.75	<5	fol	1	55												3	1.0	15.0	5.0		5.0	1% cp
						143.68 - 144.30: 10% quartz-calcite veins, to 1 cm, sub-parallel to core axis. 10% po, 5% py and 1% cp, vein-associated.	632383	143.68	144.30	0.62	20	fol	1	55												2	5.0	10.0	5.0		5.0	1% cp

PROPERTY:		ROWAN										CLAIM NO:					563669					HOLE NO:		RW-01-161							
LOGGED BY:		D. S. HUNT										DATE(S) LOGGED: Jun 26 - 28/01																			
Unit Type	Interval		Length (m)	CODE		DESCRIPTION	SAMPLING				FABRIC			STRUCTURE			ALTERATION							MAG	SULPHIDE		%VN			NOTE	
	From	To		PCX	Modifiers		Sample #	From	To	Int.	Au ppb	TYF	STR	ANG	BXN	SHR	VN	BLE	SIL	DOL	CAL	BIO	SER		CHL	TLC	M.A.	%PY	%PO		Qz
						144.92 - 145.40: 15% quartz-calcite-epidote stringers, to 2 cm, sub-parallel to core axis. 20% po, 5% cp and 1% py, vein-associated.	632384	144.92	145.40	0.48	15	fol	1	55		15									3	1.0	20.0	10.0		10.0	5% cp
						155.73 - 156.65: Carbonatized. 5% thin quartz-calcite veins mainly parallel to foliation. 5% po, 3% sp as stringers.	632385	155.73	156.65	0.92	15	fol	2	55		5		2							1		5.0	3.0		2.0	3% sp
						163.52 - 163.98: Medium to dark, greenish-brown, coarse grained feldspar porphyry dyke. Upper and lower contacts at 25 and 60 deg., respectively																									
						178.00 - 178.51: Mafic interflow ash tuff. Contacts at 45 to 50 deg.																									
						200.69 - 201.12: 30% quartz-calcite veins, to 6 cm, at various angles. 3% vein-associated po. Lower contact uneven.	632386	200.69	201.12	0.43	<5	fol	2	55		30									0		3.0	20.0		10.0	
M	201.31	207.87	6.56	7B		FELDSPAR PORPHYRY DYKE. Medium grayish brown, fine to medium grained, hard to moderately hard, non-magnetic. Weak foliation at 50 deg. 1% thin quartz-calcite veins at various angles. Lower contact sharp at 50 deg.						fol	1	50		1								0							
												con		50																	
M	207.87	250.00	42.13	1P		PILLOWED BASALT FLOWS. Similar to 97.43 to 201.31.						fol	2	55		3		1				1		2	0.5	0.5	2.0		1.0	1% cp, trace asp	
						228.26 - 237.64: Intermixed magnetite-rich interflow sediment beds parallel to foliation.																									
						228.98 - 229.78: 10% thin quartz-calcite stringers mainly parallel to foliation. 5% po, 1% py, 1% cp as blebs, stringers and vein-associated.	632387	228.98	229.78	0.80	10	fol	2	40		10						1		3	1.0	5.0	5.0		5.0	1% cp	
						230.70 - 231.17: Strongly foliated ash tuff. 3% disseminated pyrite. Upper and lower contacts sharp at 30 and 40 deg, respectively.																									
						232.70 - 233.40: 30% quartz-calcite veins, to 2 cm, parallel to foliation. 3% disseminated py.	632388	232.70	233.40	0.70	5	fol	1	40		30								3	5.0		15.0		15.0		
						233.40 - 236.16: 3% thin quartz-calcite veins parallel to foliation. 10% po, 1% cp, 1% py and trace asp mainly vein-associated.	632389	233.40	234.40	1.00	20	fol	1	40		3								3	1.0	10.0	2.0		1.0	1% cp, trace asp	
							632390	234.40	235.40	1.00	5	fol	1	40		3								3	1.0	10.0	2.0		1.0	1% cp, trace asp	
							632391	235.40	236.16	0.76	15	fol	1	40		3								3	1.0	10.0	2.0		1.0	1% cp, trace asp	
						243.14 - 243.87: CONDUCTIVE HORIZON. Chloritic. 5% thin quartz-calcite stringers mainly parallel to foliation. 10% cp, 10% po, 3% py and 1% asp as stringers and vein-associated.	632392	243.14	243.87	0.73	420	fol	1	45		5						2		1	3.0	10.0	3.0		2.0	10% cp, 1% asp	

PROPERTY:		ROWAN										CLAIM NO: 563669										HOLE NO: RW-01-161									
LOGGED BY:		D. S. HUNT										DATE(S) LOGGED: Jun 26 - 28/01																			
Unit Type	Interval		Length	CODE		DESCRIPTION	SAMPLING				FABRIC			STRUCTURE			ALTERATION							MAG	SULPHIDE		%VN			NOTE	
	From	To	(m)	PCX	Modifiers		Sample #	From	To	Int.	Air ppb	TYP	STR	ANG	BXN	SHR	VN	BLE	SIL	DOL	CAL	BIO	SER	CHL	TLC	M.A.	%PY	%PO	Qz		Fe
EOH						End of Hole																									

Signed By:



GOLDCORP	COMPANY: GOLDCORP INC.	TWP. OR AREA: Todd Twp.	HOLE NUMBER: RW-01-162																																								
	PROPERTY: ROWAN	CLAIM NO: 623493	52 M/1																																								
LOCATION: S W		COLLAR ELEV. 1000 (default)	DATUM: UTM Zone 15 (NAD 27)																																								
UTM ZONE: 15	LATITUDE: EASTING: 425889	LONGITUDE: NORTHING: 5655936	ACID TESTS <table style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>DEPTH</th> <th>AZ</th> <th>ANGLE</th> <th>AZIMUTH:</th> <th>188</th> </tr> </thead> <tbody> <tr> <td>48m</td> <td></td> <td>-48</td> <td>DIP @ COLLAR:</td> <td>-50</td> </tr> <tr> <td>123m</td> <td></td> <td>-47</td> <td>FINAL LENGTH:</td> <td>198</td> </tr> <tr> <td>165m</td> <td></td> <td>-45</td> <td>VERT. DEPTH:</td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td>HORIZ. REACH:</td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td>CORE SIZE:</td> <td>BQTK</td> </tr> <tr> <td></td> <td></td> <td></td> <td>CORE DIAM:</td> <td>40.7mm</td> </tr> <tr> <td></td> <td></td> <td></td> <td>SURFACE HOLE</td> <td></td> </tr> </tbody> </table>	DEPTH	AZ	ANGLE	AZIMUTH:	188	48m		-48	DIP @ COLLAR:	-50	123m		-47	FINAL LENGTH:	198	165m		-45	VERT. DEPTH:					HORIZ. REACH:					CORE SIZE:	BQTK				CORE DIAM:	40.7mm				SURFACE HOLE	
DEPTH	AZ	ANGLE		AZIMUTH:	188																																						
48m		-48	DIP @ COLLAR:	-50																																							
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			HORIZ. REACH:																																								
			CORE SIZE:	BQTK																																							
			CORE DIAM:	40.7mm																																							
			SURFACE HOLE																																								
DATES DRILLED: From: June 28, 2001 To: June 30, 2001	DRILLED BY: N. Morrissette	ASSAYED BY: Chemex Labs																																									
OVERBURDEN: 10.29m CASING LENGTH: 6m VERT. DEPTH:	CASING DRILLED: 6m	CASING RECOVERED: Casing left in hole																																									
BITS & SHOES LOST/USED: Shoe bit lost	DESCRIPTION OF OVERBURDEN: Sandy, bouldery till																																										
WATER SOURCE: Creek	LENGTH OF WATER LINE: 1097m	DRILL CUTTINGS SAMPLED? No																																									
CORE RECOVERY: 100%	SPECIAL DRILLING PROCEDURES:																																										
DRILL COLLAR MARKED BY: Casing capped and covered with PVC piping	If casing left in place, will the hole pump sufficient water for drilling? No																																										
PURPOSE OF THIS HOLE: To test immediately west of old DDH MB-69-2	RESULTS:																																										
COMMENTS: Sperry-Sun	Depth	Az.	Dip																																								
	66m	179	-49.75																																								
	129m	184	-49.25																																								
	198m	N/S	-48																																								
LOGGED BY: D. S. Hunt	SIGNATURE: 		0																																								

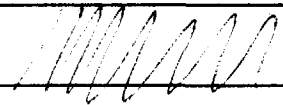
PROPERTY: ROWAN					CLAIM NO: 623493															HOLE NO: RW-01-162											
LOGGED BY: D. S. HUNT					DATE(S) LOGGED: Jun 29-Jul 2/01																										
Unit Type	Interval		Length (m)	CODE		DESCRIPTION	SAMPLING					FABRIC			STRUCTURE			ALTERATION						MAG		SULPHIDE		%VN			NOTE
	From	To		PCX	Modifiers		Sample #	From	To	Int.	Au ppb	TYP	STR	ANG	BXN	SHR	VN	BLE	SIL	DOL	CAL	BIO	SER	CHL	TLC	M.A.	%PY	%PO	Qz	Fe	
M	0.00	10.29	10.29	OB		CASING IN OVERBURDEN. Sandy, bouldery till.																									
M	10.29	26.49	16.20	1A		<p>MASSIVE BASALT FLOWS. Medium grayish green, very fine to fine grained, soft to hard, non-magnetic. Rare weak foliation at 65 deg to core axis. 1% thin quartz-calcite stringers at various angles. 1% pyrite and 1% pyrrhotite, disseminated.</p> <p>Lower contact sharp at 45 deg.</p>																									
M	26.49	29.66	3.17	7N		<p>SYENITE DYKE with chilled upper and lower contacts. Medium brownish gray, fine to medium grained with abundant scattered mafic "fragments" or xenoliths to 1 cm, hard to moderately hard, non-magnetic. Weak foliation at 55 deg. 3% disseminated pyrite.</p> <p>Lower contact sharp at 30 deg.</p>																									
M	29.66	33.27	3.61	1A		<p>MASSIVE BASALT FLOWS. Medium to dark grayish green, fine to coarse grained, hard to moderately hard, non-magnetic. Local weak foliation at 60 deg. 3% thin quartz-calcite stringers at various angles. 1% disseminated pyrrhotite.</p> <p>Lower contact irregular.</p>																									
M	33.27	40.35	7.08	7B		<p>FELDSPAR PORPHYRY DYKE. Pale to medium pinkish brown, fine to coarse grained with white to pale pink feldspar phenocrysts to 1 cm, hard, non-magnetic. Weak foliation at 60 deg. Local hematite alteration. 1% thin quartz-calcite veins at various angles. 3% disseminated pyrite.</p> <p>Lower contact sharp at 75 deg.</p>																									
M	40.35	113.10	72.75	1A		<p>MASSIVE BASALT FLOWS. Similar to 29.66 to 33.27.</p> <p>45.19 - 45.57: 10% quartz veins, to 2 cm, at 30 deg. 632393 45.19 45.57 0.38 <5 fol 1 40 10 0 10.0 2.0</p> <p>61.15 - 61.45: 5% thin quartz-calcite veins at 60 deg. 20% py and 3% po as blebs surrounding vein. 632394 61.15 61.45 0.30 5 fol 1 60 5 0 20.0 3.0 3.0 2.0</p> <p>65.88 - 66.12: 10% quartz veins, to 3 cm, at 55 deg. 10% py and 3% po as blebs. 632395 65.88 66.12 0.24 5 fol 1 55 10 0 10.0 3.0 10.0</p> <p>69.74 - 71.12: Locally bleached. 10% po, 5% cp and 3% py as disseminated blebs. 632396 69.74 70.43 0.69 <5 fol 1 40 0 1 1 3.0 10.0 5% cp</p> <p>73.71 - 74.76: 10% quartz-calcite veins, to 4 cm, at various angles. 632397 70.43 71.12 0.69 5 fol 1 40 0 1 1 3.0 10.0 5% cp</p> <p>10% po, 5% py and 5% cp as scattered blebs. 632398 73.71 74.23 0.52 <5 10 0 10.0 5.0 5.0 5.0 5% cp</p> <p>632399 74.23 74.76 0.53 <5 10 0 10.0 5.0 5.0 5.0 5% cp</p>																									

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LOGGED BY:		D. S. HUNT																				DATE(S) LOGGED: Jun 29-Jul 2/01										
Unit	Interval		Length	CODE		DESCRIPTION	SAMPLING				FABRIC			STRUCTURE			ALTERATION							MAG	SULPHIDE		%VN			NOTE		
Type	From	To	(m)	PCX	Modifiers		Sample #	From	To	Int.	Au ppb	TYP	STR	ANG	BXN	SHR	VN	BLE	SIL	DOL	CAL	BIO	SER	CHL	TLC	M.A.	%PY	%PO	Qz		Fe	Cal
						78.00 - 78.95: 20% quartz-calcite veins, to 10 cm, at various angles. 10% py, 3% po and 3% asp, vein-associated and as disseminated blebs.	632601	78.00	78.95	0.95	10															1	10.0	3.0	10.0		10.0	3% asp
						78.95 - 79.76: 3% thin quartz-calcite stringers at various angles. 10% po and 5% py as scattered blebs.	632602	78.95	79.76	0.81	10	fol	1	60												1	5.0	10.0	2.0		1.0	
						81.82 - 82.57: 15% quartz-calcite veins, to 5 cm, at various angles. 10% py, 5% po as scattered blebs.	632603	81.82	82.57	0.75	15	fol	1	60												0	10.0	5.0	8.0		7.0	
						84.95 - 86.61: 10% quartz-calcite veins, to 3 cm, mainly at 30 deg. 10% po, 7% py and 1% cp, vein-associated, as stringers and scattered blebs.	632604	84.95	85.90	0.95	<5	fol	1	35												1	7.0	10.0	5.0		5.0	1% cp
						87.95 - 88.78: 15% quartz-calcite veins, to 3 cm, at various angles. 7% po, 5% py and 1% cp, vein-associated and as stringers and blebs.	632605	85.90	86.61	0.71	5	fol	1	35												1	7.0	10.0	5.0		5.0	1% cp
						87.95 - 88.78: 15% quartz-calcite veins, to 3 cm, at various angles. 7% po, 5% py and 1% cp, vein-associated and as stringers and blebs.	632606	87.95	88.78	0.83	25	fol	1	35												1	5.0	7.0	8.0		7.0	1% cp
						94.10 - 94.90: Locally weakly biotitic. 5% thin quartz veins, sub-parallel to core axis. 3% po, 1% py as scattered blebs.	632607	94.10	94.90	0.80	<5	fol	1	45												1	1.0	3.0	3.0		1.0	
						99.00 - 112.43: Silicified and pillowed.																										
						99.70 - 100.17: Locally silicified. 10% quartz-calcite veins, to 2 cm, at various angles. 10% py, 10% po and 3% cp, mainly vein-associated.	632608	99.70	100.17	0.47	5	fol	1	65												1	10.0	10.0	5.0		5.0	3% cp
						110.69 - 111.18: 3% thin quartz-calcite veins at various angles. 15% po and 3% py, blebby.	632609	110.69	111.18	0.49	15	fol	1	30												2	3.0	15.0	2.0		1.0	
						111.71 - 111.83: Medium to dark gray, coarse grained feldspar porphyry with irregular contacts. Lower contact at 70 deg.						con		70																		
M	113.10	157.57	44.47	1B		MAFIC LAPILLI TUFF, TUFF BRECCIA AND AGGLOMERATE. Medium to dark grayish green, fine to coarse grained with basaltic and occasional porphyritic clasts, hard to moderately soft, non- to strongly magnetic depending upon pyrrhotite content. Silicified and locally bleached. Weak to moderate foliation at 40 to 60 deg. 1% thin quartz-calcite stringers at various angles. 3% pyrrhotite, 1% pyrite, trace chalcopyrite.					fol	2	50				1	1	2						2	1.0	3.0	0.5		0.5	trace cp	
						113.74 - 115.46: 5% po and 1% cp as blebs.	632610	113.74	114.74	1.00	15	fol	2	40				0		3					1		5.0				1% cp	
							632611	114.71	115.46	0.75	15	fol	2	40				0		3					1		5.0				1% cp	
						115.46 - 116.18: 5% thin quartz-calcite stringers at various angles. 10% po, 5% py, 1% cp as blebs and vein-associated.	632612	115.46	116.18	0.72	2830	fol	2	40				5		3					1	5.0	10.0	3.0		2.0	1% cp	
						116.18 - 117.00: 5% po and 5% py, blebby.	632613	116.18	117.00	0.82	40	fol	2	40				0		3					1	5.0	5.0					
						118.21 - 119.07: Locally bleached. 10% blebby po.	632614	118.21	119.07	0.86	25	fol	2	40				0	1	3					2		10.0					
						119.07 - 120.98: 5% po and 1% cp as scattered blebs.	632615	119.07	120.00	0.93	35	fol	1	65						3					0		5.0				1% cp	

PROPERTY:		ROWAN										CLAIM NO: 623493										HOLE NO: RW-01-162										
LOGGED BY:		D. S. HUNT										DATE(S) LOGGED: Jun 29-Jul 2/01																				
Unit Type	Interval		Length (m)	CODE		DESCRIPTION	SAMPLING					FABRIC			STRUCTURE			ALTERATION							SULPHIDE		%VN		NOTE			
	From	To		PCX	Modifiers		Sample #	From	To	Int.	Au ppb	TYP	STR	ANG	BXN	SHR	VN	BLE	SIL	DOL	CAL	BIO	SER	CHL	TLC	M.A.	%PY	%PO		Qz	Fe	Ca
						120.98 - 121.72: 5% quartz veins, to 1.5 cm, at various angles. 10% po, 1% py, 1% cp as stringers and veins.	632616	120.00	120.98	0.98	30	fol	1	65											0						1% cp	
						121.72 - 122.78: 10% quartz-calcite veins, to 5 cm, at various angles. 3% sp, 3% po, 1% py and 1% cp, as blebs and vein-associated.	632617	120.98	121.72	0.74	380	fol	1	65			5								1	1.0	10.0	5.0			1% cp	
						122.78 - 123.67: 5% thin quartz-calcite veins at various angles. 10% po, 5% py, 1% cp as stringers and scattered blebs.	632618	121.72	122.02	0.30	25	fol	1	65			10								1	1.0	3.0	5.0	5.0		3% sp, 1% cp	
						123.67 - 124.14: Silicified and brecciated. 5% thin quartz-calcite stringers at various angles. 3% sp and 3% po as specks and blebs.	632619	122.02	122.78	0.76	20	fol	1	65			10									1	1.0	3.0	5.0	5.0		3% sp, 1% cp
						124.14 - 125.24: 10% po, 5% py and 1% cp as scattered blebs.	632620	122.78	123.67	0.89	1725	fol	1	65			5								0	5.0	10.0	3.0	2.0		1% cp	
						125.24 - 126.17: 10% thin quartz-calcite veins and stringers at various angles. 15% po, 5% py and 3% cp as scattered blebs.	666213	123.67	124.14	0.47	10					2		5										3.0	3.0	2.0		3% sp
						126.52 - 127.10: 5% po, 3% cp and 1% py as scattered blebs.	632621	124.14	124.89	0.75	55	fol	1	65			0								2	5.0	10.0				1% cp	
						127.10 - 128.06: 10% po and 1% cp as scattered blebs.	632622	124.89	125.24	0.35	90	fol	1	65			0								2	5.0	10.0				1% cp	
						129.28 - 130.76: Locally bleached. 20% thin quartz-calcite stringers at various angles. 10% po and 3% cp as scattered blebs and vein-associated.	632623	125.24	126.17	0.93	120	fol	1	60			10								3	5.0	15.0	5.0	5.0		3% cp	
						133.90 - 134.93: 5% thin quartz-calcite veins mainly at 45 deg. 5% po and 5% cp as scattered blebs.	632624	126.52	127.10	0.58	45	fol	1	60			0								1	1.0	5.0				3% cp	
						134.93 - 135.57: 5% po and 1% cp as scattered blebs.	632625	127.10	128.06	0.96	40	fol	1	60			0								1		10.0				1% cp	
						136.10 - 136.44: 20% quartz veins, to 2.5 cm, at various angles. 3% po and 3% py, vein-associated.	632626	129.28	130.19	0.91	70	fol	1	60			20								3		10.0	10.0	10.0		3% cp	
						155.68 - 156.05: Chloritic ash tuff. Upper contact irregular; lower contact sharp at 65 deg.	632627	130.19	130.76	0.57	125	fol	1	60			20								3		10.0	10.0	10.0		3% cp	
						156.05 - 157.57: Bleached. 10% po and 1% cp as scattered blebs.	632628	133.90	134.50	0.60	175	fol	1	45			5								1		5.0	3.0	2.0		5% cp	
						Lower contact sharp at 50 deg.	632629	134.50	134.93	0.43	120	fol	1	45			5								1		5.0	3.0	2.0		5% cp	
							632630	134.93	135.57	0.64	115	fol	1	45			0							0		5.0				1% cp		
							632631	136.10	136.44	0.34	60	fol	1	45			20							0	3.0	3.0	10.0	10.0				
							632632	156.05	156.62	0.57	10	fol	2	50			0	2	3						0		10.0				1% cp	
							632633	156.62	157.57	0.95	15	fol con	2	50			0	2	3						0		10.0				1% cp	

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Unit Type	Interval		Length	CODE		DESCRIPTION	SAMPLING					FABRIC			STRUCTURE			ALTERATION							MAG		SULPHIDE		%VN			NOTE		
	From	To	(m)	PCX	Modifiers		Sample #	From	To	Int.	Au ppb	TYP	STR	ANG	BXXN	SHR	VN	BLE	SIL	DOL	CAL	BIO	SER	CHL	TLC	M.A.	%PY	%PO	Qz	Fe	Cal			
M	157.57	174.74	17.17	1A	cal	CALCITIC MAFIC VOLCANIC FLOWS. Pale gray to dark greenish brown, soft to moderately soft, non- to strongly magnetic depending upon pyrrhotite content. Commonly strongly foliated, calcified, and brecciated, with calcitic matrix up to 90%. Unaltered volcanic is moderately to strongly chloritic. 1% pyrrhotite, trace chalcopyrite, arsenopyrite and pyrite. 1% thin quartz-calcite veins.					fol	3	23	2	1								2					2	0.5	1.0	0.5		0.5	trace cp, trace asp, trace sp
						170.64 - 171.07: Moderately calcitic. 15% po, 7% cp and 1% asp as blebs and stringers.	632634	170.64	171.07	0.43	25	fol	2	35	1									1		3		15.0				7% cp, 1% asp		
						171.95 - 172.98: Weakly carbonatized. 5% thin quartz-calcite stringers mainly sub-parallel to core axis. 15% po, 5% py as stringers and blebs.	632635	171.95	172.59	0.64	10	fol	2	10							1					3	5.0	15.0	3.0		2.0			
						172.98 - 174.29: 3% thin quartz-calcite veins mainly at 60 deg. 7% po and 1% cp as scattered blebs.	632636 632637	172.59 172.98	172.98 173.67	0.39 0.69	5 <5	fol fol	2 2	10 10			5 3				1					3 1	5.0 7.0	15.0 2.0	3.0 2.0		2.0 1.0		1% cp	
						174.29 - 174.74: Weakly calcitic. 10% po and 1% cp as blebs and stringers.	632638 632639	173.67 174.29	174.29 174.74	0.62 0.45	<5 5	fol fol	2 2	10 10			3									1 1		7.0 10.0		2.0		1.0 1% cp		
						Lower contact sharp at 40 deg.																												
M	174.74	198.00	23.26	1A		MASSIVE BASALT FLOWS. Pale to medium grayish green, fine to very fine grained, soft to hard, non-to moderately magnetic depending upon pyrrhotite content. Minor flow breccia sections. Weak foliation at 65 deg. Locally silicified. 5% thin quartz-calcite stringers at various angles. 1% pyrrhotite, 1% pyrite and 1% chalcopyrite.					fol	1	65		5												0	1.0	1.0	3.0		2.0	1% cp	
						176.23 - 176.74: 10% quartz-calcite veins, to 2 cm, at various angles. 5% py, 5% po and 1% cp, vein-associated.	632640	176.23	176.74	0.51	<5	fol	1	65			10										0	5.0	5.0	5.0		5.0	1% cp	
						177.95 - 178.48: 3% thin quartz-calcite veins at various angles. 7% po and 3% cp as scattered blebs.	632641	177.95	178.48	0.53	<5	fol	1	65			3										1	0.0	7.0	2.0		1.0	3% cp	
						179.39 - 179.88: 5% thin quartz-calcite veins at various angles. 5% po, 5% sp and 1% cp, vein-associated and as scattered blebs.	632642	179.39	179.88	0.49	10	fol	1	65			5										1	0.0	5.0	3.0		2.0	5% sp, 1% cp	
						179.88 - 181.45: 3% thin quartz-calcite veins at various angles. 5% po, 3% py, 1% cp and 1% sp as scattered blebs and vein-associated.	632643	179.88	180.78	0.90	<5	fol	1	65			3										1	3.0	5.0	2.0		1.0	1% cp, 1% sp	
							632644	180.78	181.45	0.67	25	fol	1	65			3										1	3.0	5.0	2.0		1.0	1% cp, 1% sp	
						183.21 - 183.73: 5% thin quartz-calcite veins mainly at 45 deg. 5% po, 5% py, 3% cp and 1% asp, vein-associated.	632645	183.21	183.73	0.52	<5	fol	1	55			5										0	5.0	5.0	3.0		2.0	3% cp, 1% asp	

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Unit Type	Interval		Length	CODE		DESCRIPTION	SAMPLING					FABRIC			STRUCTURE			ALTERATION						MAG		SULPHIDE		%VN			NOTE
	From	To	(m)	PCX	Modifiers		Sample #	From	To	Int.	Au ppb	TYP	STR	ANG	BXN	SHR	VN	BLE	SIL	DOL	CAL	BIO	SER	CHL	TLC	M.A.	%PY	%PO	Qz	Fe	
						184.27 - 185.87: 20% quartz-calcite veins, to 2 cm, mainly parallel to foliation. 5% sp, 5% asp, 3% po, 2% cp and 2% gn, vein-associated.	632646	184.27	185.27	1.00	340	fol	1	55			20									1	0.0	3.0	10.0	10.0	5% sp, 1% asp, 2% cp, 2% gn
							632647	185.27	185.87	0.60	1055	fol	1	55			20								1	0.0	3.0	10.0	10.0	5% sp, 1% asp, 2% cp, 2% gn	
						185.87 - 186.87: Locally weakly brecciated. 5% thin quartz-calcite stringers at various angles. 3% sp and 3% po as specks and blebs.	666214	185.87	186.87	1.00	10				1	5												3.0	3.0	2.0	3% sp
						187.62 - 198.00: Moderately silicified.																									
						189.76 - 190.03: 5% quartz-calcite veins, to 1 cm, at various angles. 10% po, 3% cp and 1% asp as stringers and vein-associated.	632648	189.76	190.03	0.27	30	fol	1	45			5		1						1	0.0	10.0	3.0	2.0	3% cp, 1% asp	
						195.75 - 196.04: 3% thin quartz-calcite stringers at various angles. 15% po and 3% cp as stringers and vein-associated.	632649	195.75	196.04	0.29	20	fol	1	60			3		1						0	0.0	15.0	2.0	1.0	3% cp	
EOH						End of Hole																									

Signed By: 

GOLDCORP	COMPANY:	GOLDCORP INC.	TWP. OR AREA:	Todd Twp.	HOLE NUMBER:	RW-01-163
	PROPERTY:	ROWAN	CLAIM NO:	563668	ENTS:	52 M/1

LOCATION:	S	W	COLLAR ELEV.	1000 (default)	DATUM:	UTM Zone 15 (NAD 27)
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UTM ZONE:	15	LATITUDE:	LONGITUDE:	ACID TESTS	AZIMUTH:	180		
		EASTING:	NORTHING:	DEPTH	AZ	ANGLE	DIP @ COLLAR:	-50

DATES DRILLED:	From:	July 1, 2001	To:	July 5, 2001	45	-49	FINAL LENGTH:	249m
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DRILLED BY:	N. Morrissette	105	-49	VERT. DEPTH:	
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ASSAYED BY:	Chemex Labs.	147	-47	HORIZ. REACH:	
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OVERBURDEN:	4.3	CASING LENGTH:	6	VERT. DEPTH:		165	-46	CORE SIZE:	BQTK
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CASING DRILLED:	6	174	-46	CORE DIAM:	40.7 mm
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CASING RECOVERED:	Casing left in hole	201	-47	SURFACE HOLE	
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BITS & SHOES LOST/USED:	Shoe bit lost				
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DESCRIPTION OF OVERBURDEN:	Sand, boulders	<p style="text-align: center;">DRILL HOLE LOCATION MAP</p> 			
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WATER SOURCE:	Creek
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LENGTH OF WATER LINE:	792m
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DRIILL CUTTINGS SAMPLED?	NO
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CORE RECOVERY:	100%
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SPECIAL DRILLING PROCEDURES:	
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DRILL COLLAR MARKED BY:	Casing capped and covered with PVC pipe.
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casing left in place, will the hole pump sufficient water for drilling?	Hole makes water
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PURPOSE OF THIS HOLE:	To test auriferous trench east of previous hole MB-69-3
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RESULTS:	Sulphidic conductive zone from 239.60 to 242.42m
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COMMENTS:	Sperry-Sun:	Depth	Az.	Dip
		50	180	-52
		165	182	-52.5
		249	182	-50

LOGGED BY:	D. S. Hunt	SIGNATURE:					0
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PROPERTY:		ROWAN													CLAIM NO: 563668					HOLE NO: RW-01-163																
LOGGED BY:		D. S. HUNT													DATE(S) LOGGED: Jul. 3 - 6/01																					
Unit	Interval	Length	CODE	DESCRIPTION		SAMPLING					FABRIC			STRUCTURE			ALTERATION						MAG	SULPHIDE		%VN			NOTE							
Type	From	To	(m)	PCX	Modifiers	Sample #	From	To	Int.	Au ppb	TYP	STR	ANG	BXN	SHR	VN	BLE	SIL	DOL	CAL	BIO	SER	CHL	TLC	M.A.	% PY	% PO	Qz	Fe	Cal						
M	0.00	4.30	4.30	OB		CASING IN OVERBURDEN. Bouldery, sandy till.																														
M	4.30	46.35	42.05	1A	sil	<p>SILICIFIED MASSIVE MAFIC VOLCANIC FLOWS. Medium to dark grayish to purplish green, moderately hard to hard, fine to very fine grained, non- to weakly magnetic depending upon pyrrhotite content. Commonly silicified, locally mottled, bleached and/or brecciated. Weak to moderate foliation at 25 to 50 deg to core axis. 3% thin quartz-calcite stringers at various angles. 3% pyrrhotite, 1% pyrite and 1% chalcopyrite.</p> <p>5.39 - 5.74: 5% thin quartz-calcite veins at various angles. 3% po and 3% cp, vein-associated. 632651 5.39 5.74 0.35 15 fol 1 30 5 3</p> <p>12.44 - 13.53: 3% thin quartz-calcite veins at various angles. 10% po and 3% cp as blebs and vein-associated. 632652 12.44 12.91 0.47 10 fol 2 35 3 1 3</p> <p>15.71 - 16.18: Brecciated and bleached zones with 10% thin quartz-calcite stringers at various angles. 10% po, 3% py and 1% cp within brecciated zones. 632653 12.91 13.53 0.62 10 fol 2 35 3 1 3</p> <p>15.71 - 16.18: Brecciated and bleached zones with 10% thin quartz-calcite stringers at various angles. 10% po, 3% py and 1% cp within brecciated zones. 632654 15.71 16.18 0.47 20 fol 1 40 2 10 1 3</p> <p>17.37 - 17.77: Locally bleached. 10% thin quartz-calcite veins, mainly at 50 deg. 3% cp and 3% po, vein-associated. 632655 17.37 17.77 0.40 10 fol 1 40 10 1 3</p> <p>19.57 - 20.45: 10% quartz-calcite veins, to 4 cm, at 50 deg. 5% po, 3% py and 3% cp, vein-associated. 632656 19.57 20.45 0.88 15 fol 1 40 10 3</p> <p>21.16 - 22.06: Locally bleached. 5% po and 1% cp as blebs mainly in bleached zones. 632657 21.16 22.06 0.90 15 fol 1 50 0 2 3</p> <p>24.61 - 26.60: 5% thin quartz-calcite veins at various angles. 5% cp and 5% po, vein-associated. 632658 24.61 25.55 0.94 15 fol 1 50 5 1 3</p> <p>25.55 - 26.60: 5% thin quartz-calcite veins at various angles. 5% cp and 5% po, vein-associated. 632659 25.55 26.60 1.05 15 fol 1 50 5 1 3</p> <p>29.38 - 30.08: Locally bleached. 5% quartz-calcite stringers, to 1 cm, at various angles. 10% po and 3% cp, vein-associated. 632660 29.38 30.08 0.70 15 fol 1 50 5 2 3</p> <p>33.80 - 35.12: Flow breccia.</p> <p>36.00 - 36.84: Locally bleached. 30% pale green quartz-calcite veins, to 8 cm, at various angles. 5% po, 1% cp and trace asp as fracture-filling and vein-associated. 632661 36.00 36.84 0.84 10 fol 2 40 30 2 3</p> <p>36.84 - 37.14: Bleached, brecciated and calcitic.</p> <p>38.02 - 38.42: 10% quartz veins, to 3 cm, at 70 deg. 10% po and 1% cp, vein-associated. 632662 38.02 38.42 0.40 20 fol 2 30 10 3</p> <p>40.93 - 41.34: Flow breccia.</p> <p>43.77 - 45.81: Local flow breccia and locally bleached. 5% thin quartz-calcite veins at various angles. 10% po and 3% cp as blebs, stringers and vein-associated. 632663 43.77 44.77 1.00 30 fol 1 25 5 2 3</p>																														

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LOGGED BY: D. S. HUNT																DATE(S) LOGGED: Jul. 3 - 6/01															
Unit Type	Interval		Length	CODE		DESCRIPTION	SAMPLING				FABRIC			STRUCTURE			ALTERATION						MAG		SULPHIDE		%VN			NOTE	
	From	To	(m)	PCX	Modifiers		Sample #	From	To	Int.	Au ppb	TYP	STR	ANG	BXN	SHR	VN	BLE	SIL	DOL	CAL	BIO	SER	CHL	TLC	M.A.	%PY	%PO	Qz		Fe
							632664	44.77	45.50	0.73	30	fol	1	25			5	2	3						1	0.0	10.0	3.0		2.0	3% cp
							632665	45.50	45.81	0.31	15	fol	1	25			5	2	3						1	0.0	10.0	3.0		2.0	3% cp
						Lower contact sharp at 15 deg.						con		15																	
M	46.35	53.91	7.56	7C		QUARTZ-FELDSPAR PORPHYRY. Medium purplish gray, fine to coarse grained with white feldspar phenocrysts to 0.5 cm, hard, non-magnetic. Locally weakly biotitic. Local hematite alteration. 1% disseminated pyrite.																		0	1.0						
						Lower contact sharp at 75 deg.																									
M	53.91	108.26	54.35	1B		MAFIC FLOW BRECCIA, LAPILLI TUFF AND AGGLOMERATE. Pale to medium grayish to brownish green, hard to soft, non-to moderately magnetic. Locally silicified, biotitic and bleached. Foliation weak to moderate 30 to 50 deg. 3% thin quartz-calcite veins at various angles. 1% pyrrhotite, 1% pyrite and trace chalcocopyrite.						fol	2	40			3	1	1					1	1.0	1.0	2.0		1.0	1% cp	
						54.62 - 56.34: 5% quartz-calcite veins, to 5 cm, mainly parallel to foliation. 10% po, 5% py and 1% cp as blebs.	632666	54.62	55.62	1.00	25	fol	2	40			5	1	1					2	5.0	10.0	3.0		2.0	1% cp	
						57.14 - 61.80: 5% quartz-calcite veins, to 2 cm, mainly parallel to foliation. 10% po, 3% py, 1% cp as scattered blebs and vein-associated.	632667	55.62	56.34	0.72	15	fol	2	40			5	1	1					2	5.0	10.0	3.0		2.0	1% cp	
							632668	57.14	58.14	1.00	20	fol	2	40			5	1	1					2	5.0	10.0	3.0		2.0	1% cp	
							632669	58.14	59.14	1.00	55	fol	2	40			5	1	1					2	5.0	10.0	3.0		2.0	1% cp	
							632670	59.14	60.10	0.96	60	fol	2	40			5	1	1					2	5.0	10.0	3.0		2.0	1% cp	
							632671	60.10	60.80	0.70	75	fol	2	40			5	1	1					2	5.0	10.0	3.0		2.0	1% cp	
							632672	60.80	61.80	1.00	95	fol	2	40			5	1	1					2	5.0	10.0	3.0		2.0	1% cp	
						62.86 - 71.56: 5% quartz-calcite veins, to 2 cm, mainly parallel to foliation. 10% po, 1% cp and 1% asp as scattered blebs, stringers or vein-associated.	632673	62.86	63.86	1.00	45	fol	2	40			5	1	1	1				0	0.0	10.0	3.0		1.0	1% cp, 1% asp	
							632674	63.86	64.85	0.99	40	fol	2	40			5	1	1	1				1	0.0	10.0	3.0		1.0	1% cp, 1% asp	
							632675	64.85	65.85	1.00	20	fol	2	40			5	1	1	1				1	0.0	10.0	3.0		1.0	1% cp, 1% asp	
							632676	65.85	66.85	1.00	25	fol	2	40			5	1	1	1				1	0.0	10.0	3.0		1.0	1% cp, 1% asp	
							632677	66.85	67.80	0.95	30	fol	2	40			5	1	1	1				1	0.0	10.0	3.0		1.0	1% cp, 1% asp	
							632678	67.80	68.75	0.95	35	fol	2	40			5	1	1	1				1	0.0	10.0	3.0		1.0	1% cp, 1% asp	
							632679	68.75	69.75	1.00	25	fol	2	40			5	1	1	1				1	0.0	10.0	3.0		1.0	1% cp, 1% asp	

PROPERTY:		ROWAN				CLAIM NO: 563668													HOLE NO: RW-01-163											
LOGGED BY:		D. S. HUNT				DATE(S) LOGGED: Jul. 3 - 6/01																								
Unit Type	Interval		Length (m)	CODE		DESCRIPTION	SAMPLING				FABRIC			STRUCTURE			ALTERATION							MAG	SULPHIDE		%VN		NOTE	
	From	To		PCX	Modifiers		Sample #	From	To	Int.	All ppb	TYP	STR	ANG	BXN	SHR	VN	BLE	SIL	DOL	CAL	BIO	SER		CHL	TLC	M.A.	%PY		%PO
							632680	69.75	70.75	1.00	20	fol	2	40			5	1	1	1					1	0.0	10.0	3.0	1.0	1% cp, 1% asp
							632681	70.75	71.56	0.81	30	fol	2	40			5	1	1	1					1	0.0	10.0	3.0	1.0	1% cp, 1% asp
						73.36 - 75.00: Locally brecciated and bleached. 3% thin quartz-calcite veins at various angles. 5% po and 1% cp, vein-associated and as scattered blebs.	632682	73.36	74.32	0.96	95	fol	2	50			3	1	1						0	0.0	5.0	2.0	1.0	1% cp
							632683	74.32	75.00	0.68	110	fol	2	50			3	1	1						0	0.0	5.0	2.0	1.0	1% cp
						76.15 - 78.21: 5% quartz-calcite veins, to 1 cm, at various angles. 5% po and 1% cp, vein-associated and as blebs.	632684	76.15	77.10	0.95	120	fol	2	50			5	1	1						0	0.0	5.0	3.0	2.0	1% cp
							632685	77.10	77.56	0.46	110	fol	2	50			5	1	2						0	0.0	5.0	3.0	2.0	1% cp
							632686	77.56	78.21	0.65	90	fol	2	50			5	1	2						0	0.0	5.0	3.0	2.0	1% cp
						80.59 - 81.00: Moderately biotitic. 15% quartz-calcite veins, to 1.5 cm, at various angles. 7% po, vein-associated and as stringers.	632687	80.59	81.00	0.41	85	fol	2	35			15	1	2			2			1	0.0	7.0	8.0	7.0	
							632688	82.35	83.35	1.00	50	fol	2	35			7	1	2						1	0.0	7.0	4.0	3.0	1% cp
							632689	83.35	84.14	0.79	40	fol	2	30			7	1	2						1	0.0	7.0	4.0	3.0	1% cp
							632690	84.14	84.55	0.41	65	fol	2	30			7	1	2						1	0.0	7.0	4.0	3.0	1% cp
						85.94 - 86.57: 30% quartz-calcite veins, to 3 cm, at various angles. 10% po and 1% py, vein-associated and as scattered blebs.	632691	85.94	86.57	0.63	40	fol	2	30			30	1	2						1	1.0	10.0	15.0	15.0	
							632692	87.31	88.14	0.83	80	fol	2	30			3	1	2						2	0.0	10.0	2.0	1.0	3% cp
						88.14 - 101.65: Fractured and brecciated, with calcitic matrix.													2											
						88.14 - 88.65: 15% po and 1% py as blebs and matrix-associated.	632693	88.14	88.65	0.51	115	fol	2	30			2		1	1					2	1.0	15.0			
							632694	93.00	93.48	0.48	45	fol	2	45			2	10	1	1					1	0.0	7.0	5.0	5.0	3% cp
							632695	94.15	94.66	0.51	50	fol	2	45			2		2	1					1	0.0	7.0		3% cp	
							632696	97.73	98.28	0.55	65	fol	1	50			2	5	2	1					1	1.0	10.0	3.0	2.0	
						101.65 - 102.18: 5% thin quartz-calcite veins at various angles. 10% po and 5% cp as blebs.	632697	101.65	102.18	0.53	255	fol	1	55					5	1					2	0.0	10.0	3.0	2.0	5% cp
						102.44 - 103.02: Silicified. 3% thin quartz-calcite veins at various angles. 10% po, 3% py and 3% cp as blebs and stringers.	632698	102.44	103.02	0.58	15	fol	1	55					3		3				2	3.0	10.0	2.0	1.0	3% cp

PROPERTY:		ROWAN				CLAIM NO: 563668														HOLE NO: RW-01-163												
LOGGED BY:		D. S. HUNT																		DATE(S) LOGGED: Jul. 3 - 6/01												
Unit Type	Interval		Length	CODE		DESCRIPTION	SAMPLING					FABRIC			STRUCTURE			ALTERATION								MAG		SULPHIDE		%VN		NOTE
	From	To	(m)	PCX	Modifiers		Sample #	From	To	Int.	Au ppb	TYP	STR	ANG	BXN	SHR	VN	BLE	SIL	DOL	CAL	BIO	SER	CHL	TLC	M.A.	%FY	%PO	Qz	Fe	Cal	
						103.02 - 103.36: 30% black, cherty interflow sediment banded at 65 deg. 20% quartz-calcite veins, to 3 cm, at 65 deg. 20% po, 5% py and 1% cp, vein-associated and as blebs.	632699	103.02	103.36	0.34	15	fol	1	55			20									2	5.0	20.0	10.0		10.0	1% cp
						104.28 - 105.39: Black, cherty interflow sediment. Fractured, with quartz-calcite fracture-filling. 10% quartz-calcite veins (and fracture-filling) to 3 cm. 10% po, 5% py and 3% cp, vein-associated and as blebs and fracture-filling.	632701	104.28	105.00	0.72	15	fol	1	55	3		10		3							2	5.0	10.0	5.0		5.0	3% cp
						107.07 - 107.65: Locally bleached. 3% thin quartz-calcite veins parallel to foliation. 10% po as blebs. Lower contact sharp at 60 deg.	632702 632703	105.00 107.07	105.39 107.65	0.39 0.58	20 30	fol fol	1 1	55 50	3		10 3		3 1						2 1	5.0 0.0	10.0 10.0	5.0 2.0		5.0 1.0	3% cp	
M	108.26	112.66	4.40	7B		FELDSPAR PORPHYRY. Pale to medium gray, fine to medium grained with abundant white to pale green feldspar phenocrysts to 0.25 cm, hard, non-magnetic. Weakly biotitic. 3% thin quartz-calcite veins at various angles. 1% pyrite and 1% pyrrhotite, disseminated.										3						1		0	1.0	1.0	2.0		1.0			
						111.63 - 112.06: 20% quartz-calcite veins, to 4 cm, mainly at 60 deg. 15% py, 10% po and 3% cp, vein-associated. Lower fault contact at 60 deg.	632704	111.63	112.06	0.43	750						20								0	10.0	15.0	10.0		10.0	3% cp	
											con		60																			
M	112.66	187.45	74.79	1B		MAFIC TUFF BRECCIA AND AGGLOMERATE. Similar to 53.91 to 108.26. Medium grayish green, very fine to medium grained, hard to soft, non- to moderately magnetic. Weak to moderate foliation at 20 - 65 deg. Weakly to strongly silicified. Locally weakly to moderately biotitic. Locally bleached. 3% thin quartz-calcite veins at various angles. 3% pyrrhotite, 1% pyrite and 1% chalcopyrite.					fol	1	53			3	1	2				1		2	1.0	3.0	2.0		1.0	1% cp		
						112.66 - 112.70: Fault gouge at 60 deg.					fit		60																			
						126.13 - 127.05: Locally bleached. 3% thin quartz-calcite veins mainly at 40 deg. 15% po and 5% cp as scattered blebs.	632705	126.13	127.05	0.92	35	fol	2	60			3	2	2						0	0.0	15.0	2.0		1.0	5% cp	
						127.14 - 135.00: Fractured and locally brecciated, with calcitic matrix.																										
						127.82 - 128.55: Locally brecciated with quartz-calcite matrix. 10% quartz-calcite veins, to 3 cm, mainly at 70 deg. 10% po and 1% cp as blebs and vein-associated.	632706	127.82	128.55	0.73	35	fol	2	60	1		10		2						1	0.0	10.0	5.0		5.0	1% cp	
						128.55 - 129.80: 10% quartz-calcite veins, to 5 cm, at various angles. 10% po and 3% cp as scattered blebs and vein-associated.	632707	128.55	129.24	0.69	45	fol	1	50	2		10		2						1	0.0	10.0	5.0		5.0	3% cp	

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Unit	Interval	Length	CODE		DESCRIPTION	SAMPLING				FABRIC			STRUCTURE			ALTERATION								MAG	SULPHIDE		%VN			NOTE		
Type	From	To	(m)	PCX		Modifiers	Sample #	From	To	Int.	Au ppb	TYP	STR	ANG	BXN	SHR	VN	BLE	SIL	DOL	CAL	BIO	SER	CHL	TLC	M.A.	%PY	%PO	Qz		Fe	Cal
						632708	129.24	129.80	0.56	30	fol	1	50	2	10											1	0.0	10.0	5.0	5.0	3% cp	
					132.03 - 132.98: 5% quartz veins, to 3 cm, at 50 deg. 5% po and 1% py as scattered blebs.	632709	132.03	132.98	0.95	40	fol	1	50	2	5											0	1.0	5.0	3.0	2.0		
					135.15 - 136.06: 5% thin quartz-calcite veins at various angles. 5% po, 3% cp and 1% py as scattered blebs and vein-associated.	632710	135.15	136.06	0.91	15	fol	2	20	1	5											0	1.0	5.0	3.0	2.0	3% cp	
					143.05 - 143.43: 10% po and 5% cp as stringers and blebs	632711	143.05	143.43	0.38	60	fol	1	50		0											0	0.0	10.0			5% cp	
					143.52 - 144.52: 3% po as specks and blebs.	666215	143.52	144.52	1.00	25																						
					144.52 - 147.18: 5% thin quartz-calcite veins at various angles. 15% po, 5% cp and 3% py as stringers and blebs.	632712	144.53	145.52	0.99	2420	fol	1	50		5											2	3.0	15.0	3.0	2.0	5% cp	
						632713	145.52	146.49	0.97	30	fol	1	50		5											2	3.0	15.0	3.0	2.0	5% cp	
						632714	146.49	147.28	0.79	40	fol	1	50		5											2	3.0	15.0	3.0	2.0	5% cp	
						632715	147.28	147.78	0.50	385	fol	1	50		5											2	3.0	15.0	3.0	2.0	5% cp	
					147.48 - 149.46: Pale grayish brown ash tuff.																											
					147.78 - 148.08: 30% quartz veins, to 8 cm, parallel to foliation.	632716	147.78	148.08	0.30	55	fol	1	60		30											0	0.0	0.0	30.0			
					149.46 - 150.45: 5% quartz-calcite veins, to 1 cm, parallel to foliation. 5% py, 5% po and 1% cp as stringers, blebs and vein-associated.	632717	149.46	150.45	0.99	70	fol	1	60		5											0	5.0	5.0	3.0	1.0	1% cp	
					151.75 - 152.37: 5% thin quartz-calcite veins at various angles. 10% po, 10% py and 3% cp disseminated and as stringers and blebs.	632718	151.75	152.37	0.62	15	fol	1	55		5											1	10.0	10.0	3.0	2.0	3% cp	
					153.13 - 155.14: Locally fractured with calcitic fracture-filling. 10% thin quartz-calcite veins at various angles. 10% po, 5% py, 1% cp, and 1% asp as blebs and vein-associated.	632719	153.13	154.07	0.94	45	fol	1	55	2	10											1	5.0	10.0	7.0	3.0	1% cp, 1% asp	
						632720	154.07	154.79	0.72	10	fol	1	55	2	10											1	5.0	10.0	7.0	3.0	1% cp, 1% asp	
						632721	154.79	155.14	0.35	<5	fol	1	55	2	10											1	5.0	10.0	7.0	3.0	1% cp, 1% asp	
					155.14 - 161.09: Strongly brecciated with calcitic matrix. 30% quartz-calcite as matrix and veins at various angles. 7% po, 5% py and 1% cp, vein-associated and stringers and blebs.	632722	155.14	156.14	1.00	5	fol	1	55	3	30											1	5.0	7.0	20.0	10.0	1% cp	
						632723	156.14	157.14	1.00	<5	fol	2	45	3	30											0	5.0	7.0	20.0	10.0	1% cp	
						632724	157.14	158.04	0.90	<5	fol	2	45	3	30											0	5.0	7.0	20.0	10.0	1% cp	
						632725	158.04	159.04	1.00	<5	fol	2	45	3	30											0	5.0	7.0	20.0	10.0	1% cp	
						632726	159.04	160.00	0.96	<5	fol	2	45	3	30											0	5.0	7.0	20.0	10.0	1% cp	
						632727	160.00	160.61	0.61	<5	fol	2	45	3	30											0	5.0	7.0	20.0	10.0	1% cp	
						632728	160.61	161.09	0.48	<5	fol	2	45	3	30											0	5.0	7.0	20.0	10.0	1% cp	

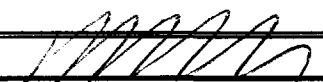
PROPERTY:		ROWAN										CLAIM NO: 563668										HOLE NO: RW-01-163									
LOGGED BY:		D. S. HUNT										DATE(S) LOGGED: Jul. 3 - 6/01																			
Unit Type	Interval		Length (m)	CODE		DESCRIPTION	SAMPLING					FABRIC			STRUCTURE			ALTERATION						MAG	SULPHIDE		%VN		NOTE		
	From	To		PCX	Modifiers		Sample #	From	To	Int.	Au ppb	TYP	STR	ANG	BXN	SHR	VN	BLE	SIL	DOL	CAL	BIO	SER		CHL	TLC	M.A.	%PY		%PO	Qz
						184.54 - 187.12: Locally autobrecciated with siliceous matrix. 10% quartz-calcite veins, to 2 cm, mainly parallel to foliation. 7% po and 1% cp as stringers and blebs.	632729	184.54	185.54	1.00	555	fol	2	45	1	10									2	0.0	7.0	5.0	5.0	1% cp	
							632730	185.54	186.41	0.87	10	fol	2	50	1	10								2	0.0	7.0	5.0	5.0	1% cp		
						Lower contact sharp at 60 deg.	632731	186.41	187.12	0.71	20	fol	2	50	1	10								2	0.0	7.0	5.0	5.0	1% cp		
M	187.45	198.28	10.83	1A	sil	SILICIFIED MASSIVE BASALT FLOWS. Pale to medium purplish green, very fine to fine grained, hard to soft, non- to weakly magnetic. Local autobrecciated sections with siliceous matrix. 3% quartz-calcite veins, to 1 cm, mainly parallel to foliation. Moderate foliation at 50 deg. 1% pyrrhotite and trace chalcopyrite.						fol	2	50	1	3								1	0.0	1.0	2.0	1.0	trace cp		
						190.76 - 191.46: 10% quartz-calcite veins, to 2 cm, parallel to foliation. 10% po and 1% cp, vein-associated.	632732	190.76	191.46	0.70	510	fol	2	50	1	10								2	0.0	10.0	5.0	5.0	1% cp		
						192.56 - 193.74: Flow breccia with upper and lower contacts at 15 deg. 5% po and 1% cp as scattered blebs.	632733	192.56	193.38	0.82	50	fol	2	50										1	0.0	5.0			1% cp		
						Lower contact sharp at 50 deg.	632734	193.38	193.74	0.36	5	fol	2	50										1	0.0	5.0			1% cp		
M	198.28	239.60	41.32	1P		PILLOWED BASALT FLOWS. Mainly carbonatized, locally silicified. Pale to medium grayish green, fine to very fine grained, soft to hard, non- to moderately magnetic depending upon pyrrhotite content. Local weak hematite alteration. Weak to moderate foliation at 40 to 65 deg. 5% thin quartz-calcite veins, mainly at 50 deg. Trace pyrite, pyrrhotite and chalcopyrite.						fol	2	53		5								0	0.5	0.5	3.0	2.0	trace cp		
						198.64 - 199.04: Flow breccia with upper and lower contacts at 25 and 55 deg., respectively. 5% quartz-calcite veins, to 1 cm, parallel to foliation. 5% po, 3% py and 1% cp as stringers and blebs.	632735	198.64	199.04	0.40	<5	fol	2	45		5								0	3.0	5.0	3.0	2.0	1% cp		
						202.08 - 202.37: Flow breccia with upper and lower contacts at 55 and 50 deg, respectively.																									
						207.56 - 208.07: Flow breccia with upper and lower contacts at 55 and 70 deg, respectively.																									
						208.64 - 210.41: Flow breccia with upper and lower contacts at 35 and 70 deg, respectively.																									
						210.72 - 211.07: Flow breccia with upper and lower contacts at 80 and 45 deg, respectively.																									
						217.04: Fault gouge at 55 deg.																									

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LOGGED BY:		D. S. HUNT																		DATE(S) LOGGED: Jul. 3 - 6/01																		
Unit Type	Interval		Length	CODE		DESCRIPTION	SAMPLING					FABRIC			STRUCTURE			ALTERATION						MAG		SULPHIDE		%VN		NOTE								
	From	To	(m)	PCX	Modifiers		Sample #	From	To	Int.	Au ppb	TYP	STR	ANG	BXN	SHR	VN	BLE	SIL	DOL	CAL	BIO	SER	CHL	TLC	M.A.	%PY	%PO	Qz		Fe	Cal						
						217.04 - 217.98: Fault breccia, lower contact at 45 deg.																																
						218.09 - 219.50: Carbonatized and bleached. 5% thin quartz-calcite veins mainly parallel to foliation. 5% py and 5% po, vein-associated and as stringers and blebs.	632736	218.09	219.00	0.91	<5	fol	1	50			5	3		2						0	5.0	5.0	3.0							2.0		
						220.42 - 222.09: 10% quartz-calcite veins, to 3 cm, mainly parallel to foliation. 7% po, 3% cp and 1% py, vein-associated and as stringers and blebs.	632737	219.00	219.50	0.50	<5	fol	1	50			5	3		2						0	5.0	5.0	3.0							2.0		
						226.17 - 229.06: Flow breccia, upper and lower contacts at 40 and 45 deg, respectively.	632738	220.42	221.35	0.93	<5	fol	1	50			10									1	1.0	7.0	5.0							5.0	3% cp	
						231.78 - 232.47: Weakly carbonatized, with local flow breccia. 10% quartz-calcite veins, to 1.5 cm, mainly at 15 deg. 10% po and 1% cp, vein-associated.	632739	221.35	222.09	0.74	<5	fol	1	50			10										1	1.0	7.0	5.0							5.0	3% cp
						238.25 - 239.60: 5% quartz-calcite veins, to 1.5 cm, mainly parallel to foliation. 10% po, 7% py, 3% asp and 1% cp, disseminated and as stringers and blebs.	632740	231.78	232.47	0.69	<5	fol	1	60			10			2						0	0.0	10.0	5.0							5.0	1% cp	
						Lower contact sharp at 85 deg.	632741	238.25	239.10	0.85	<5	fol	2	60			5			2						2	7.0	10.0	3.0							2.0	3% asp, 1% cp	
							632742	239.10	239.60	0.50	<5	fol	2	60			5			2						2	7.0	10.0	3.0							2.0	3% asp, 1% cp	
M	239.60	242.54	2.94	5A		CHERTY INTERFLOW SEDIMENT. Medium to dark gray, very fine grained to aphanitic, soft to hard, weakly to moderately magnetic due to pyrrhotite content. Moderate foliation parallel to bedding at 60 deg. 10% quartz-calcite veins. 10% pyrrhotite, 3% pyrite, 3% sphalerite, 1% chalcopyrite.																			2	3.0	10.0	5.0							5.0	3% sp, 1% cp		
						239.60 - 240.42: CONDUCTIVE ZONE. 20% quartz-calcite veins, to 1 cm, parallel to foliation. 20% po, 10% py, 3% cp and 3% asp as stringers and bands.	632743	239.60	240.42	0.82	<5	fol	2	60			20									2	10.0	20.0	10.0							10.0	3% cp, 3% asp	
						240.42 - 242.52: 3% thin quartz-calcite stringers mainly parallel to foliation. 5% po, 3% sp and 1% py as stringers parallel to bedding/foliation.	632744	240.42	241.42	1.00	<5	fol	2	60			3									2	1.0	5.0	2.0							1.0	3% sp	
						Lower contact sharp at 60 deg.	632745	241.42	242.17	0.75	<5	fol	2	60			3									2	1.0	5.0	2.0							1.0	3% sp	
							632746	242.17	242.54	0.37	<5	fol	2	60			3									2	1.0	5.0	2.0							1.0	3% sp	
M	242.54	245.47	2.93	7B		FELSAPAR PORPHYRY. Medium greenish-gray, medium to coarse grained with pale green feldspar phenocrysts to 0.5 cm, hard, non-magnetic. Very weakly biotitic. 3% thin quartz-calcite veins at various angles. Trace disseminated pyrite.																			0	0.5		2.0							1.0			
						Lower contact sharp at 75 deg.																																

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Unit Type	Interval		Length (m)	CODE		DESCRIPTION	SAMPLING					FABRIC			STRUCTURE			ALTERATION								MAG M.A.	SULPHIDE		%VN			NOTE
	From	To		PCX	Modifiers		Sample #	From	To	Int.	Au ppb	TYP	STR	ANG	BXN	SHR	VN	BLE	SIL	DOL	CAL	BIO	SER	CHL	TLC		%PY	%PO	Qz	Fe	Cal	
M	245.47	247.26	1.79	5A		CHERTY INTERFLOW SEDIMENT. Similar to 239.60 to 242.54. 245.47 - 247.26: 7% quartz-calcite veins, to 2 cm, at various angles. 10% po, 3% py as stringers, blebs and vein-associated.	632747	245.47	246.47	1.00	<5	bed		40		7									2	3.0	10.0	4.0	3.0			
							632748	246.47	247.26	0.79	<5	bed		4		7								2	3.0	10.0	4.0	3.0				
M	247.26	249.00	1.74	1A		MASSIVE BASALT FLOWS. Medium green, fine to medium grained, soft, non-magnetic. 5% quartz-calcite veins, to 2 cm, at various angles.																	0			3.0	2.0					
EOH							End of Hole																									

Signed By:



GOLDCORP	COMPANY:	GOLDCORP INC.			TWP. OR AREA:	Todd Twp.		HOLE NUMBER:	RW-01-164	
	PROPERTY:	Rowan			CLAIM NO:	563668		NTS:	52 M/1	
LOCATION:	S	W			COLLAR ELEV.	1000 (default)		DATUM:	UTM Zone 15 (NAD 27)	
UTM ZONE:	15	LATITUDE:			LONGITUDE:			ACID TESTS	AZIMUTH:	
		EASTING:	426400		NORTHING:	5656177		DEPTH	AZ	ANGLE
DATES DRILLED:	From:	July 6, 2001		To:	July 8, 2001			90		-46
DRILLED BY:	N. Morrissette							150		-46
ASSAYED BY:	Chemex Labs							200		-42
OVERBURDEN:	3.39	CASING LENGTH:	3	VERT. DEPTH:						
CASING DRILLED:	3m									
CASING RECOVERED:	Casing left in hole									
BITS & SHOES LOST/USED:	Shoe bit lost									
DESCRIPTION OF OVERBURDEN:	Sandy, bouldery till									
WATER SOURCE:	Creek									
LENGTH OF WATER LINE:	610m									
DRILL CUTTINGS SAMPLED?	NO									
CORE RECOVERY:	100%									
SPECIAL DRILLING PROCEDURES:										
DRILL COLLAR MARKED BY:	Casing capped and covered with PVC pipe									
If casing left in place, will the hole pump sufficient water for drilling?	No									
PURPOSE OF THIS HOLE:	To test conductor axis CD-16									
RESULTS:	No conductive zone encountered.									
COMMENTS:	Sperry-Sun	Depth	Az.*	Dip						
		129		-50						
		200		-43.5						
	* Azimuths were inaccurate									
LOGGED BY:	D. S. Hunt			SIGNATURE:						0

PROPERTY: ROWAN					CLAIM NO: 563669																HOLE NO: RW-01-164													
LOGGED BY: D. S. HUNT					DATE(S) LOGGED: Jul. 7 - 9/01																													
Unit Type	Interval		Length (m)	CODE		DESCRIPTION	SAMPLING					FABRIC			STRUCTURE			ALTERATION										MAG		SULPHIDE		%VN		NOTE
	From	To		PCX	Modifiers		Sample #	From	To	Int.	An	ppb	Typ	STR	ANG	BXX	SHR	VN	BLE	SIL	DOL	CAL	BRO	SER	CHL	TLC	M.A.	%PY	%PO	Qz	Fe	Cal		
M	0.00	3.39	3.39		OB	CASING IN OVERBURDEN. Sandy bouldery till.																												
M	3.39	71.80	68.41		1P	<p>PILLOWED BASALT FLOWS. Moderately silicified. Medium to dark grayish green, very fine to medium grained, hard to moderately soft, non- to moderately magnetic depending upon pyrrhotite content. Foliation weak to moderate at 30 to 55 deg to core axis. Locally moderately bleached. 3% thin quartz-calcite veins at various angles. 3% pyrrhotite, 2% pyrite, 1% chalcopyrite and trace sphalerite.</p> <p>9.27 - 10.51: Locally brecciated. 10% quartz-calcite veins, to 1.5 cm, at various angles. 10% py, 10% po and 3% cp, vein-associated.</p> <p>11.17 - 12.00: 5% quartz-calcite veins, to 1 cm, at various angles. 10% py, 5% po and 3% cp as blebs and vein-associated.</p> <p>16.99 - 17.75: 15% thin quartz-calcite veins mainly parallel to foliation. 15% po, 10% py and 3% cp, vein-associated and as blebs.</p> <p>18.16 - 19.14: 10% quartz-calcite veins, to 6 cm, mainly parallel to foliation. 7% po and 3% cp as blebs and vein-associated.</p> <p>31.42 - 31.77: 25% quartz-calcite veins, to 3 cm, at various angles. 5% po, vein-associated.</p> <p>34.38 - 34.99: 5% thin quartz-calcite veins mainly parallel to foliation. 7% py, 7% po and 1% cp, vein-associated and as stringers and blebs.</p> <p>37.38 - 37.90: 30% quartz-calcite veins, to 5 cm, mainly at 80 deg. 5% po and 5% py, vein-associated.</p> <p>40.83 - 41.79: Moderately bleached. 3% thin quartz-calcite veins mainly parallel to foliation. 10% po and 3% py as stringers and blebs.</p> <p>43.19 - 44.56: Weakly brecciated with 5% quartz-calcite matrix. 7% po and 3% py, mainly associated with breccia matrix.</p> <p>48.92: Local small-scale late faulting, at 65 deg, with right-lateral displacement.</p> <p>53.17 - 53.82: Locally brecciated, with quartz-calcite-chlorite matrix. 10% po and 7% py as blebs and matrix-associated.</p> <p>54.38 - 57.68: Intrusion breccia with pale pink feldspar porphyry clasts to 30 cm in diameter.</p>																												
						632749	9.27	9.93	0.66	5	fol	2	40	1	10		2								2	10.0	10.0	5.0		5.0	3% cp			
						632751	9.93	10.51	0.58	<5	fol	2	40	1	10		2								2	10.0	10.0	5.0		5.0	3% cp			
						632752	11.17	12.00	0.83	<5	fol	2	40		5		2								1	10.0	5.0	3.0		2.0	3% cp			
						632753	16.99	17.75	0.76	55	fol	2	40		15		2								2	10.0	15.0	8.0		7.0	3% cp			
						632754	18.16	19.14	0.98	20	fol	2	40		10		2								1	0.0	7.0	5.0		5.0	3% cp			
						632755	31.42	31.77	0.35	<5	fol	2	55		25		2								2	0.0	5.0	13.0		12.0				
						632756	34.38	34.99	0.61	<5	fol	2	55		5		2								2	7.0	7.0	3.0		2.0	1% cp			
						632757	37.38	37.90	0.52	<5	fol	2	35		30		2								1	5.0	5.0	15.0		15.0				
						632758	40.83	41.79	0.96	5	fol	2	35		3	2	2								1	3.0	10.0	2.0		1.0				
						632759	43.19	44.15	0.96	<5	fol	2	55	2	0		2								2	3.0	7.0	3.0		2.0				
						632760	44.15	44.56	0.41	<5	fol	2	55	2	0		2								2	3.0	7.0	3.0		2.0				
						632761	53.17	53.82	0.65	<5	fol	2	50	2			2								1	7.0	10.0							

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Unit Type	Interval		Length (m)	CODE		DESCRIPTION	SAMPLING					FABRIC			STRUCTURE			ALTERATION							MAG M.A.	SULPHIDE		%VN			NOTE
	From	To		PCX	Modifiers		Sample #	From	To	Int.	Au ppb	TYP	STR	ANG	BXN	SER	VN	BLE	SL	DOL	CAL	BIO	SER	CHL		TLC	%PY	%PO	Qz	Fe	
						54.38 - 56.16: 7% po, 3% py and 1% sphalerite as blebs and small stringers	632762	54.38	55.38	1.00	5	fol	1	55	3										1	3.0	7.0				1% sph
						57.68 - 59.59: 20% quartz-calcite veins, to 12 cm, mainly parallel to foliation. 7% po, 5% py and 1% asp as stringers, blebs and vein-associated.	632763	55.38	56.16	0.78	15	fol	1	55	3										1	3.0	7.0				1% sph
							632764	57.68	58.63	0.95	225	fol	1	55			20								1	5.0	7.0	15.0	5.0		1% asp
						67.20 - 67.93: Moderately bleached and locally brecciated. 10% quartz-calcite veins, to 4 cm, parallel to foliation. 10% vein-associated po.	632765	58.63	59.59	0.96	30	fol	1	55			20								1	5.0	7.0	15.0	5.0		1% asp
							632766	67.20	67.93	0.73	20	fol	1	30	2		10	2	2					1		10.0	5.0	5.0			
						68.77 - 69.47: 10% thin quartz-calcite stringers mainly parallel to foliation. 10% po, 10% py as stringers and streaks parallel to foliation.	632767	68.77	69.47	0.70	5	fol	1	30			10							1	10.0	10.0	5.0	5.0			
						69.47 - 71.80: 5% thin quartz-calcite stringers mainly parallel to foliation. 10% po and 10% py and 3% sph, vein-associated and as stringers and streaks parallel to foliation.	632768	69.47	70.47	1.00	<5	fol	1	30			5							1	10.0	10.0	3.0	2.0		3% sph	
							632769	70.47	71.47	1.00	5	fol	1	30			5							1	10.0	10.0	3.0	2.0		3% sph	
							632770	71.47	71.80	0.33	<5	fol	1	30			5							1	10.0	10.0	3.0	2.0		3% sph	
						Lower contact sharp at 35 deg.																									
M	71.80	79.14	7.34	1F		STRONGLY CHLORITIZED BASALT FLOWS. Dark grayish green, fine grained, soft to moderately soft, weakly to strongly magnetic depending upon pyrrhotite content. Moderate foliation at 45 deg. 10% quartz-calcite veins at shallow core angles. 5% pyrite, 5% pyrrhotite, traces chalcopyrite, arsenopyrite, sphalerite.						fol	2	45									3	2	5.0	5.0	3.0	2.0		trace cp, trace asp, trace sp	
						72.11 - 72.81: 5% thin quartz-calcite stringers at various angles. 15% py and 10% po as stringers and blebs.	632771	72.11	72.81	0.70	<5	fol	2	45			5						3	2	10.0	10.0	3.0	2.0			
						73.30 - 73.72: 10% py and 3% po associated with chloritic stringers.	632772	73.30	73.72	0.42	75	fol	2	45			0						3	1	10.0	3.0					
						73.72 - 74.18: 10% py and 10% po as scattered blebs.	632773	73.72	74.18	0.46	10	fol	2	45			0						3	1	10.0	10.0					
						74.72 - 75.19: 3% thin quartz-calcite stringers mainly parallel to foliation. 7% py and 7% po as stringers and blebs.	632774	74.72	75.19	0.47	5	fol	2	45			3						3	1	7.0	7.0	2.0	1.0			
						75.19 - 75.91: 25% quartz veins, to 4 cm, undulating at shallow core angles. 15% py, 3% po, 3% asp, 3% sph and possibly 3% fuchsite, vein-associated.	632775	75.19	75.91	0.72	155	fol	2	45			25						1	1	15.0	3.0	25.0			3% asp, 3% sph	
						75.91 - 76.58: 5% thin quartz-calcite stringers mainly at 50 deg. Locally moderately carbonatized. 5% py and 3% po, as blebs and vein-associated.	632776	75.91	76.58	0.67	5	fol	2	45			5						1	1	5.0	3.0	3.0	2.0			

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Unit Type	Interval		Length (m)	CODE		DESCRIPTION	SAMPLING					FABRIC			STRUCTURE			ALTERATION						MAG		SULPHIDE		%VN		NOTE	
	From	To		PCX	Modifiers		Sample #	From	To	Int.	Au ppb	TYP	STR	ANG	BXN	SHR	VN	BLE	SL	DOL	CAL	BIO	SER	CHL	TLC	M.A	% PY	% PO	Qtz		Fe
						76.58 - 77.55: 20% quartz veins, to 6 cm, at shallow core angles. 20% py, 5% po, 3% sph, 3% asp, possibly minor fuchsite, vein-associated.	632777	76.58	77.25	0.67	150	fol	2	45			20							1	1	20.0	5.0	20.0			3% sph, 3% asp
							632778	77.25	77.55	0.30	160	fol	2	45			20							1	1	20.0	5.0	20.0			3% sph, 3% asp
						78.50 - 79.14: 3% thin quartz-calcite stringers at various angles. 20% py and 5% po as stringers and blebs.	632779	78.50	79.14	0.64	10	fol	2	30			3							3	1	20.0	5.0	2.0	1.0		
						Lower contact sharp at 20 deg.																									
M	79.14	95.39	16.25	1A		PILLOWED BASALT FLOWS. Medium grayish green, very fine to medium grained, soft to hard, weakly to strongly magnetic depending upon pyrrhotite content. Locally weakly silicified, carbonatized, bleached and silicified. Weak to moderate foliation at 45 to 65 deg. 10% quartz-calcite veins at shallow core angles. 5% pyrite, 3% pyrrhotite, trace chalcopyrite, sphalerite and arsenopyrite.						fol	2	55			10	1	1	1				1	2	5.0	3.0	5.0	5.0	trace cp, trace sph, trace asp	
						79.14 - 79.84: 40% quartz veins, to 10 cm, mainly at 15 deg. 10% py, 5% sph, 3% asp and 3% po, vein-associated.	632780	79.14	79.84	0.70	180	fol	2	30			40								1	10.0	3.0	40.0			5% sph, 5% asp
						79.84 - 80.44: 10% thin quartz-calcite veins, mainly at 30 deg. 7% py and 7% po as blebs and vein-associated.	632781	79.84	80.44	0.60	15	fol	2	30			10								1	7.0	7.0	5.0	5.0		
						80.44 - 81.90: 70% quartz veins, to 10 cm, mainly at 15 deg. 10% py, 3% sph, 3% asp and 3% po, vein-associated.	632782	80.44	81.07	0.63	145	fol	2	30			70								1	10.0	3.0	70.0			3% sph, 3% asp
							632783	81.07	81.90	0.83	340	fol	2	30			70								1	10.0	3.0	70.0			3% sph, 3% asp
						87.45 - 88.56: 5% quartz-calcite veins, to 2 cm, at various angles. 10% po and 10% py, vein-associated and as stringers and blebs.	632784	87.45	88.06	0.61	<5	fol	1	45			5	1	1	1				1	2	10.0	10.0	3.0	2.0		
							632785	88.06	88.56	0.50	10	fol	1	45			5	1	1	1				1	2	10.0	10.0	3.0	2.0		
						88.56 - 90.38: Mottled and bleached. 10% po, 10% py and trace asp as stringers, blebs and disseminated.	632786	88.56	89.53	0.97	<5	fol	1	45			0	3	1					2	10.0	10.0					1% asp
							632787	89.53	90.38	0.85	<5	fol	1	45			0	3	1					2	10.0	10.0					1% asp
						90.38 - 90.99: 3% thin quartz-calcite stringers at various angles. 20% py, 10% po, 1% cp and 1% asp, disseminated and as stringers and blebs.	632788	90.38	90.99	0.61	<5	fol	1	65			3	1	1					2	20.0	10.0	2.0	1.0	1% cp, 1% asp		
						90.99 - 92.49: Locally bleached. 5% thin quartz-calcite stringers at various angles. 15% po, 10% py and 1% asp as stringers, blebs and disseminated.	632789	90.99	91.98	0.99	<5	fol	1	65			5	2	1					2	10.0	15.0	3.0	2.0	1% asp		
							632790	91.98	92.49	0.51	10	fol	1	65			5	2	1					2	10.0	15.0	3.0	2.0	1% asp		
						95.03 - 95.39: Bleached, mottled and weakly fuchsite. 7% py and 3% po as stringers and blebs.	632791	95.03	95.39	0.36	<5	fol	2	60			0	3	2					2	7.0	3.0					

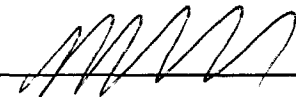
PROPERTY: ROWAN						CLAIM NO: 563669										HOLE NO: RW-01-164																								
LOGGED BY: D. S. HUNT																DATE(S) LOGGED: Jul. 7 - 9/01																								
Unit Type	Interval		Length (m)	CODE		DESCRIPTION	SAMPLING					FABRIC			STRUCTURE				ALTERATION							MAG		SULPHIDE		%VN			NOTE							
	From	To		PCX	Modifiers		Sample #	From	To	Int.	An ppb	TYP	STR	ANG	BXN	SER	VN	BLE	SIL	DOL	CAL	BIO	SER	CHL	TLC	M.A.	%PY	%PO	Qz	Fe	Ca									
						Lower contact sharp at 55 deg.																																		
M	95.39	104.72	9.33	5B	1P	INTERMIXED OXIDE/SULFIDE FACIES INTERFLOW IRON FORMATION AND CHLORITIC, SILICIFIED MAFIC VOLCANIC FLOWS. Dark brownish green to black, very fine to fine grained, moderately to strongly magnetic, moderately hard to hard. Moderate foliation at 60 deg. 3% thin quartz-calcite stringers at various angles. 7% pyrrhotite, 7% pyrite, trace chalcopyrite and arsenopyrite.					fol	2	60																								trace cp, trace asp			
						95.39 - 95.79: 20% po, 7% py and trace asp as stringers and blebs.	632792	95.39	95.79	0.40	<5	fol	2	60																										
						95.79 - 96.65: Locally bleached. 10% po and 5% py as stringers, blebs and disseminated.	632793	95.79	96.65	0.86	<5	fol	2	60			0	2	2																					
						96.65 - 97.17: Chloritic and silicified. 5% thin quartz-calcite veins at various angles. 15% py and 10% po as blebs and stringers.	632794	96.65	97.17	0.52	5	fol	2	60			5		3																					
						97.17 - 98.27: Chloritic and locally bleached. 15% py and 10% po as stringers and blebs.	632795	97.17	98.04	0.87	<5	fol	2	60			0	2	2																					
						98.27 - 102.00: Chloritic, silicified, locally bleached, brecciated and mottled. 5% thin quartz-calcite veins at various angles. 7% po, 7% py, 1% cp and 1% asp, disseminated and as stringers and blebs.	632796	98.04	98.27	0.23	10	fol	2	60			0	2	2																					
							632797	98.27	99.27	1.00	<5	fol	2	60	1		5	1	3																		2.0	1% cp, 1% asp		
							632798	99.27	100.27	1.00	15	fol	2	60	1		5	1	3																		2.0	1% cp, 1% asp		
							632799	100.27	101.27	1.00	<5	fol	2	60	1		5	1	3																			2.0	1% cp, 1% asp	
							632801	101.27	101.69	0.42	<5	fol	2	60	1		5	1	3																			2.0	1% cp, 1% asp	
						101.69 - 102.00: Chloritic and silicified. 5% thin quartz-calcite stringers at various angles. 15% py, 5% po and 3% cp, vein-associated, as stringers and blebs and disseminated.	632802	101.69	102.00	0.31	60	fol	1	50			5		3																			2.0	3% cp	
						102.00 - 102.50: 20% quartz veins, to 1 cm, sub-parallel to core axis. 10% py, 3% po and 1% asp, vein-associated.	632803	102.00	102.50	0.50	115	fol	1	50					20		1																		1% asp	
						102.50 - 103.34: Chloritic and locally bleached. 5% thin quartz-calcite stringers at various angles. 20% py, 5% po, disseminated and as stringers and blebs.	632804	102.50	103.34	0.84	80	fol	1	50			5	2	1																				2.0	

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Unit Type	Interval		Length (m)	CODE		DESCRIPTION	SAMPLING				FABRIC			STRUCTURE			ALTERATION						MAG	SULPHIDE		%VN			NOTE		
	From	To		PCX	Modifiers		Sample #	From	To	Int.	Au ppb	TYP	STR	ANG	BXN	SHR	VN	BLE	SIL	DOL	CAL	BIO		SER	CHL	TLC	M.A.	%PY		%PO	Qz
						103.34 - 103.90: Locally chloritic and bleached. 3% thin quartz-calcite stringers at various angles. 10% py, 7% po and 3% cp, vein-associated, disseminated and as stringers and blebs.	632805	103.34	103.90	0.56	<5	fol	1	50			3	1	1						3	10.0	7.0	2.0		1.0	3% cp
						103.90 - 104.72: Chloritic and silicified. 5% thin quartz-calcite stringers at various angles. 7% po and 5% py as stringers, blebs and disseminated. Lower contact indistinct.	632806	103.90	104.72	0.82	<5	fol	1	50			5		3					3	3	5.0	7.0	3.0		2.0	
M	104.72	146.47	41.75	IA		MASSIVE BASALT FLOWS. Pale to dark grayish green, very fine to fine grained, soft to moderately hard, non- to strongly magnetic. Locally chloritic, carbonatized sericitized and bleached, with a mottled appearance. Weak to moderate foliation at 20 to 50 deg. 3% thin quartz-calcite stringers at various angles. 3% pyrite and 1% pyrrhotite.						fol	1	35			3	1				1	1	3	3.0	1.0	2.0		1.0		
						104.72 - 105.73: 5% thin quartz-calcite stringers at various angles. 10% py, 7% po, disseminated and as stringers and blebs.	632807	104.72	105.30	0.58	<5	fol	1	50				1					1	3	10.0	7.0	3.0		2.0		
						107.02 - 107.38: 15% quartz-calcite veins, to 2 cm, at 55 deg. Locally bleached. 3% pyrite and 3% sphalerite, disseminated and vein-associated.	632808	105.30	105.73	0.43	5	fol	1	50				1					1	3	10.0	7.0	3.0		2.0		
						107.02 - 107.38: 15% quartz-calcite veins, to 2 cm, at 55 deg. Locally bleached. 3% pyrite and 3% sphalerite, disseminated and vein-associated.	632809	107.02	107.38	0.36	<5	fol	1	45			15	2						1	1	3.0		8.0		7.0	3% sph
						112.09 - 113.76: Locally bleached. 5% quartz-calcite veins, to 1.5 cm, undulating at shallow core angles. 10% py, 7% po, 3% sph and 1% asp, vein-associated and as stringers, blebs and disseminated.	632810	112.09	113.09	1.00	10	fol	1	45			5	2						2	10.0	7.0	3.0		2.0	3% sph, 1% asp	
						113.09 - 113.76: Locally bleached. 5% quartz-calcite veins, to 1.5 cm, undulating at shallow core angles. 10% py, 7% po, 3% sph and 1% asp, vein-associated and as stringers, blebs and disseminated.	632811	113.09	113.76	0.67	<5	fol	1	45			5	2						2	10.0	7.0	3.0		2.0	3% sph, 1% asp	
						114.11 - 114.48: 5% thin quartz-calcite stringers at various angles. 7% po and 5% py, vein-associated and as stringers and blebs.	632812	114.11	114.48	0.37	<5	fol	1	45			5							1	5.0	7.0	3.0		2.0		
						114.48 - 116.15: 7% quartz-calcite veins, to 2 cm, at various angles. 15% po, 10% py and 3% cp, vein-associated and as stringers and blebs.	632813	114.48	115.48	1.00	60	fol	1	45			7							2	10.0	15.0	4.0		3.0	3% cp	
						115.48 - 116.15: 7% quartz-calcite veins, to 2 cm, at various angles. 15% po, 10% py and 3% cp, vein-associated and as stringers and blebs.	632814	115.48	116.15	0.67	45	fol	1	45			7							2	10.0	15.0	4.0		3.0	3% cp	
						120.09 - 120.79: 25% quartz-calcite stringers, to 1.5 cm, at various angles. 5% pyrite, vein-associated and disseminated.	632815	120.09	120.79	0.70	<5	fol	1	30			25			1				1	5.0		13.0		12.0		
						121.37 - 122.10: 15% quartz-calcite veins, to 2 cm, at various angles. 3% disseminated py.	632816	121.37	122.10	0.73	5	fol	1	30			15			1				0	3.0		8.0		7.0		
						124.48 - 125.68: 10% thin quartz-calcite veins at various angles. 5% py and 1% po, vein-associated and disseminated.	632817	124.48	125.00	0.52	10	fol	2	50			10			1				0	5.0	1.0	5.0		5.0		

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Unit Type	Interval		Length (m)	CODE		DESCRIPTION	SAMPLING				FABRIC			STRUCTURE			ALTERATION							MAG	SULPHIDE			%VN			NOTE
	From	To		PCX	Modifiers		Sample #	From	To	Int.	Au ppb	TYP	STR	ANG	BXN	SHR	VN	BLE	SIL	DOL	CAL	BIO	SER		CHL	TLC	M.A.	%PY	%PO	Qtz	
						126.00 - 126.92: 5% thin quartz-calcite veins mainly parallel to foliation. 10% py and 3% po, disseminated and as stringers and blebs.	632818	125.00	125.68	0.68	10	fol	2	50			10								0	5.0	1.0	5.0		5.0	
							632819	126.00	126.92	0.92	25	fol	2	50			5								2	10.0	3.0	3.0		2.0	
						130.38 - 130.97: 70% quartz-calcite veins, to 23 cm, at 55 deg. 3% po, vein-associated.	632820	130.38	130.97	0.59	15	fol	2	35			70								1		3.0	35.0		35.0	
						131.20 - 134.10: Chloritic																									
						131.20 - 131.75: Chloritic. 5% thin quartz-calcite stringers at various angles. 10% po, 5% py and 1% asp as stringers and blebs.	632821	131.20	131.75	0.55	190	fol	2	35			5						2		2	5.0	10.0	3.0		2.0	1% asp
						134.52 - 135.84: 10% quartz-calcite veins, to 5 cm, at various angles. 5% po and 5% py, vein-associated and as stringers and blebs.	632822	134.52	135.48	0.96	10	fol	2	45			10								1	5.0	5.0	5.0		5.0	
						139.00 - 146.47: Weakly sericitic.	632823	135.48	135.84	0.36	<5	fol	2	45			10								1	5.0	5.0	5.0		5.0	
						144.55 - 145.47: 10% thin quartz-calcite stringers at various angles. 10% py as disseminated cubes and stringers.	632824	144.55	145.47	0.92	10	fol	2	20			10						1		1	10.0		5.0		5.0	
						Lower contact slightly undulating at 10 deg.																									
M	146.47	164.36	17.89	1A	ser	SERICITIZED MAFIC VOLCANICS. Pale to medium brownish gray, very fine to fine grained, soft to moderately soft, non- to weakly magnetic. Locally contorted strong foliation at 20 to 30 deg. Locally weakly sericitized. 5% quartz-calcite veins mainly parallel to bedding. 5% pyrite and trace pyrrhotite, mainly as disseminated cubes and specks.						fol	3	25			5							0	5.0	0.5	3.0		2.0		
						146.89 - 147.54: 15% quartz-calcite veins, to 1 cm, parallel to foliation. 15% py as scattered cubes.	632825	146.89	147.54	0.65	40	fol	3	30			15						2		0	15.0		8.0		7.0	
						147.91 - 148.84: 15% quartz-calcite veins, to 1 cm, parallel to foliation. 15% py and 3% po, vein-associated and as scattered cubes and blebs.	632826	147.91	148.84	0.93	15	fol	3	30			15						2		0	15.0	3.0	8.0		7.0	
						148.84 - 152.35: 10% quartz-calcite veins, to 1.5 cm, mainly parallel to foliation. 15% py and 3% po, vein-associated and as disseminated cubes.	632827	148.84	149.80	0.96	10	fol	3	30			10						2		0	15.0	3.0	5.0		5.0	
							632828	149.80	150.74	0.94	20	fol	3	30			10						2		0	15.0	3.0	5.0		5.0	
							632829	150.74	151.74	1.00	10	fol	3	30			10						2		0	15.0	3.0	5.0		5.0	
							632830	151.74	152.35	0.61	10	fol	3	30			10						2		0	15.0	3.0	5.0		5.0	
						154.14 - 154.49: 25% quartz-calcite veins, to 1 cm, at various angles. 20% py, vein-associated and as scattered cubes.	632831	154.14	154.49	0.35	10	fol	3	20			25						2		1	20.0		13.0		12.0	
						155.24 - 156.00: 15% quartz-calcite veins, to 3 cm, mainly parallel to foliation. 10% py and 3% asp, vein-associated and as disseminated cubes.	632832	155.24	156.00	0.76	145	fol	3	20			15						2		1	10.0		8.0		7.0	3% asp

PROPERTY:		ROWAN										CLAIM NO: 563669										HOLE NO: RW-01-164											
LOGGED BY:		D. S. HUNT										DATE(S) LOGGED: Jul. 7 - 9/01																					
Unit Type	Interval		Length (m)	CODE		DESCRIPTION	SAMPLING					FABRIC			STRUCTURE			ALTERATION						MAG		SULPHIDE		%VN		NOTE			
	From	To		PCX	Modifiers		Sample #	From	To	Int.	Au ppb	TYP	STR	ANG	BXN	SER	VN	BLE	SIL	DOL	CAL	BIO	SER	CHL	TLC	M.A.	%PY	%PO	Qz		Fe	Cal	
						156.00 - 157.57: 30% quartz-calcite veins, to 10 cm, mainly parallel to foliation. 10% py, vein-associated and as disseminated cubes.	632833	156.00	157.00	1.00	40	fol	3	20											2			1	10.0		15.0	15.0	
						157.57 - 158.46: 10% quartz-calcite stringers at various angles. 25% py, 3 asp, 3% sph and 1% po as scattered cubes and vein-associated.	632834	157.00	157.57	0.57	70	fol	3	20											2			0	10.0		15.0	15.0	
						157.57 - 158.46: 10% quartz-calcite stringers at various angles. 25% py, 3 asp, 3% sph and 1% po as scattered cubes and vein-associated.	632835	157.57	158.46	0.89	75	fol	3	30											2			0	25.0	1.0	5.0	5.0	3% asp, 3% sph
						159.05 - 159.66: Locally brecciated. 20% quartz-calcite stringers, to 2 cm, mainly parallel to foliation. 7% py, vein-associated and as scattered cubes.	632836	159.05	159.66	0.61	5	fol	3	30	2										2			0	7.0		10.0	10.0	
						159.96 - 160.84: 20% quartz-calcite veins, to 5 cm, mainly parallel to foliation. 5% py and 3% po, vein-associated and as scattered cubes.	632837	159.96	160.84	0.88	40	fol	3	30											2			0	5.0	3.0	10.0	10.0	
						160.84 - 161.43: 5% thin quartz-calcite stringers mainly parallel to foliation. 15% py, vein-associated and as stringers.	632838	160.84	161.43	0.59	35	fol	3	30											2			0	15.0		3.0	2.0	
						162.07 - 162.93: 15% quartz-calcite veins, to 2 cm, mainly parallel to foliation. 10% py, 3% po, vein-associated and as stringers and blebs.	632839	162.07	162.93	0.86	225	fol	3	20											2			1	10.0	3.0	8.0	7.0	
						163.78 - 164.36: 10% thin quartz-calcite stringers parallel to foliation. 7% po and 3% py, vein-associated and as stringers and blebs. Lower contact parallel to foliation at 15 deg.	632840	163.78	164.36	0.58	15	fol	3	20											2			1	3.0	7.0	5.0	5.0	
M	164.36	204.00	39.64	1A		MASSIVE BASALT FLOWS. Medium to dark grayish green, very fine to medium grained, soft, non- to strongly magnetic depending upon pyrrhotite content. Moderate foliation at 15 to 30 deg. 5% thin quartz-calcite veins mainly parallel to foliation. 5% po, 1% py and trace chalcopyrite.						fol	2	23										2			1	1.0	5.0	3.0	2.0	trace cp	
						164.36 - 176.45: Chloritic.																											
						164.36 - 164.85: 5% thin quartz-calcite stringers parallel to foliation. 15% po and 5% py as stringers parallel to foliation.	632841	164.36	164.85	0.49	55	fol	2	30											2			1	5.0	15.0	3.0	2.0	
						169.48 - 176.45: Dark gray, coarse grained quartz-feldspar porphyry from 173.75 - 173.91 with upper and lower contacts at 25 and 45 deg respectively. 5% thin quartz-calcite stringers parallel to foliation. 15% po, 3% py, 3% asp, 1% sph and 1% cp, disseminated and as stringers and streaks parallel to foliation.	632842	169.48	170.48	1.00	25	fol	3	30											2			2	3.0	15.0	3.0	2.0	3% sph, 3% asp, 1% cp
							632843	170.48	171.48	1.00	20	fol	3	30										2			2	3.0	15.0	3.0	2.0	3% sph, 3% asp, 1% cp	

PROPERTY: ROWAN				CLAIM NO: 563669													HOLE NO: RW-01-164															
LOGGED BY: D. S. HUNT																	DATE(S) LOGGED: Jul. 7 - 9/01															
Unit Type	Interval		Length	CODE		DESCRIPTION	SAMPLING					FABRIC			STRUCTURE					ALTERATION					MAG		SULPHIDE		%VN			NOTE
	From	To	(m)	PCX	Modifiers		Sample #	From	To	Int.	Au ppb	TYP	STR	ANG	BXN	SEK	VN	BLE	SIL	DOL	CAL	BIO	SER	CHL	TLC	M.A.	%PY	%PO	Qz	Fe	Cal	
							632844	171.48	172.34	0.86	40	fol	3	30			5								2	3	3.0	15.0	3.0		2.0	3% sph, 3% asp, 1% cp
							632845	172.34	172.96	0.62	35	fol	3	30			5								2	3	3.0	15.0	3.0		2.0	3% sph, 3% asp, 1% cp
							632846	172.96	173.91	0.95	<5	fol	3	30			5								2	3	3.0	15.0	3.0		2.0	3% sph, 3% asp, 1% cp
							632847	173.91	174.91	1.00	10	fol	2	40			5								2	3	3.0	15.0	3.0		2.0	3% sph, 3% asp, 1% cp
							632848	174.91	175.91	1.00	10	fol	2	40			5								2	3	3.0	15.0	3.0		2.0	3% sph, 3% asp, 1% cp
							632849	175.91	176.45	0.54	15	fol	2	40			5								2	3	3.0	15.0	3.0		2.0	3% sph, 3% asp, 1% cp
						177.33 - 179.19: 5% thin quartz-calcite stringers mainly parallel to foliation. 15% po and 1% cp mainly as streaks and stringers parallel to foliation.	632851	177.33	178.33	1.00	10	fol	2	40			5									2		15.0	3.0		2.0	1% cp
						181.62 - 182.62: 10% quartz-calcite stringers, to 1.5 cm, mainly parallel to foliation. 10% po and 1% cp, vein-associated and as stringers and blebs.	632852	178.33	179.19	0.86	15	fol	2	40			5									2		15.0	3.0		2.0	1% cp
							632853	181.62	182.62	1.00	20	fol	2	35			10								2		10.0	5.0		5.0	1% cp	
EOH						End of Hole																										

Signed By: 

Appendix III

Assay Certificates



ALS Chemex

Aurora Laboratory Services Ltd.
 Analytical Chemists * Geochemists * Registered Assayers
 5175 Timberlea Blvd., Mississauga
 Ontario, Canada L4W 2S3
 PHONE: 905-624-2806 FAX: 905-624-6163

TO: GOLDCORP INC.

2700 - 145 KING ST., W.
 TORONTO, ON
 M5H 3T7

Project: RW-01-157
 Comments: ATTN: MICHAEL DEHN CC: DAVE HUNT

Page Num: 1-A
 Total Pages: 4
 Certificate Date: 04-JUL-2001
 Invoice No.: 10118769
 P.O. Number: RW01-157
 Account: IKH

CERTIFICATE OF ANALYSIS A0118769

SAMPLE	PREP CODE	Au ppb FA+AA	Ag ppm AAS	Al % (ICP)	Ba ppm (ICP)	Be ppm (ICP)	Bi ppm (ICP)	Ca % (ICP)	Cd ppm (ICP)	Co ppm (ICP)	Cr ppm (ICP)	Cu ppm (ICP)	Fe % (ICP)	K % (ICP)	Mg % (ICP)
632001	255 295	10	< 1	8.40	< 100	< 10	< 20	8.60	< 10	50	350	200	9.05	0.1	4.95
632002	255 295	10	< 1	6.85	< 100	< 10	< 20	8.25	< 10	50	310	350	7.85	0.1	4.30
632003	255 295	< 5	< 1	7.50	< 100	< 10	< 20	7.45	< 10	60	260	200	8.40	0.4	3.90
632004	255 295	< 5	< 1	7.55	500	< 10	< 20	4.50	< 10	30	200	170	4.55	1.5	1.85
632005	255 295	15	2	8.05	< 100	< 10	< 20	6.15	< 10	50	270	130	8.10	0.7	5.05
632006	255 295	< 5	< 1	7.30	200	< 10	< 20	8.40	< 10	40	300	10	6.85	0.9	4.30
632007	255 295	10	< 1	7.30	< 100	< 10	< 20	8.85	< 10	50	270	150	8.40	0.4	4.90
632008	255 295	< 5	< 1	6.95	< 100	< 10	< 20	9.15	< 10	40	100	150	7.50	0.3	3.35
632009	255 295	< 5	< 1	8.30	< 100	< 10	< 20	8.60	< 10	50	150	150	6.45	0.6	4.30
632010	255 295	< 5	< 1	7.65	< 100	< 10	< 20	10.00	< 10	50	130	150	7.50	0.1	3.40
632011	255 295	< 5	< 1	7.80	< 100	< 10	< 20	10.20	< 10	50	120	160	9.35	0.1	4.10
632012	255 295	< 5	< 1	8.55	< 100	< 10	< 20	9.00	< 10	50	130	180	7.85	0.2	3.95
632013	255 295	< 5	< 1	7.65	< 100	< 10	< 20	12.30	< 10	60	80	190	6.85	0.1	3.30
632014	255 295	< 5	< 1	5.20	< 100	< 10	< 20	18.55	< 10	50	50	280	6.65	< 0.1	2.00
632015	255 295	< 5	< 1	8.10	< 100	< 10	< 20	8.95	< 10	50	80	160	7.40	0.4	3.10
632016	255 295	< 5	< 1	8.40	< 100	< 10	< 20	6.95	< 10	50	100	70	8.25	0.3	3.30
632017	255 295	< 5	< 1	7.50	< 100	< 10	< 20	8.95	< 10	50	110	160	5.75	0.4	2.85
632018	255 295	< 5	< 1	7.75	< 100	< 10	< 20	8.95	< 10	50	100	170	7.05	0.2	3.50
632019	255 295	< 5	< 1	7.85	< 100	< 10	< 20	9.50	< 10	50	120	170	6.70	0.3	3.65
632020	255 295	< 5	< 1	6.80	100	< 10	< 20	10.50	< 10	50	110	160	7.10	0.2	3.05
632021	255 295	< 5	< 1	7.45	< 100	< 10	< 20	10.45	< 10	50	70	150	7.15	0.2	3.15
632022	255 295	< 5	< 1	6.95	< 100	< 10	< 20	10.20	< 10	50	60	150	6.45	0.3	2.70
632023	255 295	< 5	< 1	7.65	< 100	< 10	< 20	9.85	< 10	50	100	160	6.65	0.4	3.30
632024	255 295	< 5	< 1	7.80	< 100	< 10	< 20	8.50	< 10	50	100	170	7.85	0.2	3.90
632025	255 295	< 5	< 1	7.95	< 100	< 10	< 20	8.85	< 10	60	80	220	8.45	0.3	3.70
632026	255 295	< 5	< 1	6.90	< 100	< 10	< 20	11.25	< 10	50	100	150	7.45	0.1	2.85
632027	255 295	< 5	< 1	6.55	100	< 10	< 20	9.10	< 10	40	140	160	5.85	1.0	2.45
632028	255 295	< 5	< 1	7.05	< 100	< 10	< 20	12.95	< 10	50	80	150	7.15	0.1	2.80
632029	255 295	< 5	< 1	6.05	< 100	< 10	< 20	14.25	< 10	40	60	140	5.55	0.3	2.30
632030	255 295	< 5	< 1	6.90	< 100	< 10	< 20	11.90	< 10	50	70	160	6.40	0.2	2.50
632031	255 295	< 5	< 1	7.55	< 100	< 10	< 20	10.70	< 10	40	60	140	4.20	0.5	2.85
632032	255 295	< 5	< 1	7.55	< 100	< 10	< 20	12.90	< 10	50	60	180	7.35	0.1	3.20
632033	255 295	< 5	< 1	6.10	< 100	< 10	< 20	16.50	< 10	40	50	130	5.00	< 0.1	2.80
632034	255 295	40	< 1	8.10	100	< 10	< 20	7.70	< 10	50	70	190	7.80	0.8	3.60
632035	255 295	< 5	< 1	7.75	< 100	< 10	< 20	9.60	< 10	50	110	160	8.80	0.3	3.35
632036	255 295	< 5	< 1	4.55	< 100	< 10	< 20	16.00	< 10	30	120	40	4.70	0.1	2.25
632037	255 295	< 5	< 1	5.85	500	< 10	< 20	2.05	< 10	20	100	280	4.65	2.7	1.40
632038	255 295	< 5	< 1	7.80	< 100	< 10	< 20	7.05	< 10	40	120	90	7.15	0.9	3.50
632039	255 295	< 5	< 1	5.95	< 100	< 10	< 20	8.00	< 10	40	160	160	7.10	0.1	2.90
632040	255 295	< 5	< 1	7.75	< 100	< 10	< 20	7.10	< 10	80	130	580	9.65	0.4	4.20

CERTIFICATION: _____



ALS Chemex

Aurora Laboratory Services Ltd.
 Analytical Chemists * Geochemists * Registered Assayers
 5175 Timberlea Blvd., Mississauga
 Ontario, Canada L4W 2S3
 PHONE: 905-624-2806 FAX: 905-624-6163

To: GOLDCORP INC.

2700 - 145 KING ST., W.
 TORONTO, ON
 M5H 3T7

Project: RW-01-157
 Comments: ATTN: MICHAEL DEHN CC: DAVE HUNT

Page Number: 1-B
 Total Pages: 14
 Certificate Date: 04-JUL-2001
 Invoice No.: I0118769
 P.O. Number: RW01-157
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CERTIFICATE OF ANALYSIS

A0118769

SAMPLE	PREP CODE	Mn ppm (ICP)	Mo ppm (ICP)	Na % (ICP)	Ni ppm (ICP)	Pb % AAS	Sr ppm (ICP)	Ti % (ICP)	V ppm (ICP)	Zn ppm (ICP)				
632001	255 295	1630	< 10	1.10	100	0.001	80	0.45	280	100				
632002	255 295	1350	< 10	1.00	80	0.001	70	0.40	240	100				
632003	255 295	1370	< 10	1.45	150	0.002	60	0.35	210	240				
632004	255 295	590	< 10	1.40	60	0.002	70	0.20	70	220				
632005	255 295	1300	< 10	1.20	130	0.002	50	0.40	240	100				
632006	255 295	1210	< 10	1.70	80	0.002	70	0.35	210	60				
632007	255 295	1790	< 10	1.10	90	< 0.001	60	0.45	260	80				
632008	255 295	2110	< 10	1.25	80	< 0.001	70	0.45	230	100				
632009	255 295	1660	< 10	1.40	120	< 0.001	80	0.55	270	60				
632010	255 295	1740	< 10	0.80	90	< 0.001	70	0.50	270	100				
632011	255 295	1730	< 10	1.05	100	< 0.001	90	0.55	280	100				
632012	255 295	2140	< 10	1.70	100	0.001	80	0.60	310	100				
632013	255 295	2770	< 10	2.00	90	0.001	50	0.55	300	80				
632014	255 295	2860	< 10	0.55	60	< 0.001	80	0.35	200	140				
632015	255 295	2610	< 10	1.45	120	< 0.001	130	0.55	290	80				
632016	255 295	1680	< 10	1.55	130	< 0.001	170	0.60	310	80				
632017	255 295	1680	< 10	1.50	70	< 0.001	70	0.60	310	80				
632018	255 295	1800	< 10	1.35	80	< 0.001	80	0.60	320	100				
632019	255 295	2050	< 10	1.60	90	0.001	90	0.55	300	100				
632020	255 295	2410	< 10	1.30	80	0.001	80	0.50	260	120				
632021	255 295	2430	< 10	1.40	80	< 0.001	100	0.55	290	100				
632022	255 295	2300	< 10	1.75	80	< 0.001	70	0.50	270	100				
632023	255 295	2010	< 10	1.35	110	0.001	110	0.55	280	100				
632024	255 295	1570	< 10	1.50	80	< 0.001	110	0.60	300	120				
632025	255 295	1760	< 10	2.05	100	< 0.001	90	0.55	310	100				
632026	255 295	2140	< 10	1.35	80	< 0.001	70	0.50	260	100				
632027	255 295	1660	< 10	1.05	90	< 0.001	30	0.35	190	120				
632028	255 295	2540	< 10	1.10	90	< 0.001	80	0.50	270	80				
632029	255 295	2500	< 10	1.25	80	0.001	40	0.45	240	60				
632030	255 295	1860	< 10	1.15	90	0.001	80	0.50	270	80				
632031	255 295	1850	< 10	2.00	100	< 0.001	90	0.55	270	60				
632032	255 295	2340	< 10	2.15	90	0.001	80	0.55	270	80				
632033	255 295	2700	< 10	1.60	70	< 0.001	50	0.45	230	80				
632034	255 295	3330	< 10	1.70	90	< 0.001	60	0.55	270	120				
632035	255 295	2100	< 10	1.30	80	< 0.001	140	0.55	280	140				
632036	255 295	1230	< 10	1.20	40	0.001	70	0.30	150	40				
632037	255 295	650	< 10	0.60	40	0.001	40	0.15	40	140				
632038	255 295	1370	< 10	1.60	80	< 0.001	80	0.55	290	60				
632039	255 295	1140	< 10	1.25	60	< 0.001	60	0.40	220	60				
632040	255 295	1500	< 10	1.60	120	< 0.001	100	0.55	280	80				

CERTIFICATION: _____



ALS Cnemex

Aurora Laboratory Services Ltd.
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SAMPLE	PREP CODE	Au ppb FA+AA	Ag ppm AAS	Al % (ICP)	Ba ppm (ICP)	Be ppm (ICP)	Bi ppm (ICP)	Ca % (ICP)	Cd ppm (ICP)	Co ppm (ICP)	Cr ppm (ICP)	Cu ppm (ICP)	Fe % (ICP)	K % (ICP)	Mg % (ICP)
632041	255 295	< 5	< 1	7.35	< 100	< 10	< 20	7.70	< 10	50	140	110	8.15	0.3	3.85
632042	255 295	< 5	1	5.15	< 100	< 10	< 20	9.65	< 10	40	240	300	7.20	0.3	2.90
632043	255 295	< 5	< 1	7.35	< 100	< 10	< 20	8.40	< 10	70	270	410	8.75	0.4	3.75
632044	255 295	< 5	< 1	6.60	< 100	< 10	< 20	7.60	< 10	40	270	150	6.75	0.1	3.85
632045	255 295	< 5	< 1	7.35	< 100	< 10	< 20	5.55	< 10	50	280	440	9.40	0.5	3.30
632046	255 295	< 5	< 1	7.95	100	< 10	< 20	8.55	< 10	60	290	410	7.50	0.7	2.75
632047	255 295	< 5	< 1	7.55	< 100	< 10	< 20	10.15	< 10	60	300	270	7.50	0.3	2.70
632048	255 295	< 5	< 1	5.25	< 100	< 10	< 20	18.25	< 10	20	130	< 10	5.55	0.1	3.25
632049	255 295	< 5	< 1	7.45	< 100	< 10	< 20	7.45	< 10	40	320	50	5.90	0.1	3.55
632050	255 295	< 5	< 1	9.75	600	< 10	< 20	5.10	< 10	20	90	< 10	6.30	1.4	2.35
632051	255 295	< 5	< 1	6.30	< 100	< 10	< 20	12.15	< 10	60	250	440	8.30	0.1	3.90
632052	255 295	< 5	< 1	7.10	< 100	< 10	< 20	11.00	< 10	60	250	290	7.20	0.3	2.95
632053	255 295	< 5	< 1	6.00	< 100	< 10	< 20	10.35	< 10	50	230	360	6.85	0.3	2.35
632054	255 295	< 5	< 1	7.35	< 100	< 10	< 20	10.35	< 10	60	280	430	8.45	0.3	3.05
632055	255 295	< 5	1	7.65	< 100	< 10	< 20	10.60	< 10	60	280	440	9.00	0.3	3.40
632056	255 295	< 5	< 1	7.50	< 100	< 10	< 20	10.15	< 10	50	270	440	8.20	0.2	2.95
632057	255 295	< 5	< 1	7.90	< 100	< 10	< 20	12.35	< 10	50	300	350	7.00	0.3	2.55
632058	255 295	< 5	< 1	8.75	< 100	< 10	< 20	8.90	< 10	40	310	10	4.60	0.7	3.30
632059	255 295	< 5	< 1	7.60	< 100	< 10	< 20	10.80	< 10	60	280	330	7.15	0.5	2.70
632060	255 295	< 5	< 1	8.25	< 100	< 10	< 20	9.85	< 10	50	280	130	7.05	0.3	3.40
632061	255 295	< 5	< 1	7.85	< 100	< 10	< 20	9.00	< 10	50	290	150	7.90	0.6	3.85
632062	255 295	< 5	< 1	7.90	< 100	< 10	< 20	8.80	< 10	40	270	140	6.25	1.0	3.15
632063	255 295	< 5	< 1	7.30	< 100	< 10	< 20	8.55	< 10	40	250	150	6.10	1.4	2.85
632064	255 295	< 5	< 1	7.30	< 100	< 10	< 20	9.70	< 10	40	290	130	6.05	1.1	3.00
632065	255 295	< 5	< 1	7.70	100	< 10	< 20	10.30	< 10	40	290	100	6.05	1.4	3.00
632066	255 295	< 5	< 1	7.60	< 100	< 10	< 20	9.65	< 10	40	270	70	5.85	1.0	3.30
632067	255 295	< 5	< 1	7.90	< 100	< 10	< 20	9.65	< 10	40	240	80	6.80	0.3	3.10
632068	255 295	< 5	< 1	7.45	< 100	< 10	< 20	10.50	< 10	50	290	100	7.60	0.3	3.20
632069	255 295	5	< 1	7.30	< 100	< 10	< 20	11.00	< 10	60	260	210	7.15	0.2	2.90
632070	255 295	< 5	< 1	6.40	< 100	< 10	< 20	11.10	< 10	60	210	260	9.95	0.1	2.80
632071	255 295	< 5	< 1	6.35	< 100	< 10	< 20	12.40	< 10	70	180	440	9.10	0.1	2.55
632072	255 295	10	< 1	6.20	< 100	< 10	< 20	17.30	< 10	30	220	70	4.85	0.6	1.90
632073	255 295	45	< 1	6.05	< 100	< 10	< 20	14.25	< 10	60	240	180	10.10	0.1	2.05
632074	255 295	15	< 1	4.90	< 100	< 10	< 20	16.60	< 10	40	130	100	10.65	< 0.1	2.80
632075	255 295	< 5	< 1	6.85	< 100	< 10	< 20	14.85	< 10	50	200	80	7.25	1.2	5.15
632076	255 295	< 5	< 1	8.20	< 100	< 10	< 20	10.60	< 10	50	230	120	8.00	0.5	4.75
632077	255 295	20	< 1	6.30	< 100	< 10	< 20	8.90	< 10	50	270	410	10.80	< 0.1	3.50
632078	255 295	10	< 1	7.55	< 100	< 10	< 20	11.05	< 10	40	270	850	9.45	0.2	2.85
632079	255 295	10	< 1	6.75	< 100	< 10	< 20	10.65	< 10	30	260	210	6.70	0.1	3.30
632080	255 295	< 5	< 1	6.85	< 100	< 10	< 20	11.60	< 10	50	250	240	7.10	0.3	3.90

CERTIFICATION: _____



ALS Chemex

Aurora Laboratory Services Ltd.
 Analytical Chemists * Geochemists * Registered Assayers
 5175 Timberlea Blvd., Mississauga
 Ontario, Canada L4W 2S3
 PHONE: 905-624-2806 FAX: 905-624-6163

TO: GOLDCORP INC.

2700 - 145 KING ST., W.
 TORONTO, ON
 M5H 3T7

Project: RW-01-157
 Comments: ATTN: MICHAEL DEHN CC: DAVE HUNT

Num: 2-B
 Total Pages: 14
 Certificate Date: 04-JUL-2001
 Invoice No.: I0118769
 P.O. Number: RW01-157
 Account: IKH

CERTIFICATE OF ANALYSIS

A0118769

SAMPLE	PREP CODE	Mn ppm (ICP)	Mo ppm (ICP)	Na % (ICP)	Ni ppm (ICP)	Pb % AAS	Sr ppm (ICP)	Ti % (ICP)	V ppm (ICP)	Zn ppm (ICP)				
632041	255 295	1490	< 10	1.15	90	< 0.001	70	0.50	260	80				
632042	255 295	1960	< 10	0.60	120	0.001	60	0.25	160	60				
632043	255 295	1860	< 10	1.35	110	< 0.001	90	0.40	230	60				
632044	255 295	1160	< 10	1.25	90	< 0.001	70	0.35	210	80				
632045	255 295	1280	< 10	0.90	120	0.001	60	0.35	220	80				
632046	255 295	1360	< 10	1.20	130	0.001	90	0.40	230	60				
632047	255 295	1460	< 10	0.95	130	< 0.001	90	0.35	230	60				
632048	255 295	1430	< 10	0.75	60	0.001	20	0.15	140	60				
632049	255 295	1340	< 10	1.25	110	< 0.001	50	0.35	190	60				
632050	255 295	1220	< 10	3.05	10	< 0.001	910	0.45	150	120				
632051	255 295	2360	< 30	0.30	130	< 0.001	70	0.30	230	60				
632052	255 295	2200	< 10	0.80	140	< 0.001	70	0.35	200	60				
632053	255 295	1670	< 10	0.75	130	< 0.001	60	0.30	190	60				
632054	255 295	2070	< 10	0.95	140	< 0.001	70	0.35	240	60				
632055	255 295	2240	< 10	0.90	120	< 0.001	70	0.35	230	60				
632056	255 295	1900	< 10	1.20	110	0.001	70	0.35	220	60				
632057	255 295	1990	< 10	0.70	100	0.001	80	0.40	230	40				
632058	255 295	1460	< 10	1.85	130	< 0.001	80	0.40	230	40				
632059	255 295	1650	< 10	1.25	130	< 0.001	100	0.40	220	60				
632060	255 295	1670	< 10	0.80	130	< 0.001	110	0.35	230	60				
632061	255 295	1640	< 10	1.15	140	< 0.001	100	0.40	230	80				
632062	255 295	1640	< 10	1.35	120	< 0.001	40	0.35	210	80				
632063	255 295	1500	< 10	0.90	120	< 0.001	30	0.35	220	60				
632064	255 295	1650	< 10	1.10	120	< 0.001	30	0.35	200	60				
632065	255 295	1770	< 10	1.10	130	0.001	30	0.35	220	60				
632066	255 295	1830	< 10	0.65	130	0.001	70	0.35	220	60				
632067	255 295	1990	< 10	1.20	130	< 0.001	100	0.35	230	60				
632068	255 295	1850	< 10	1.05	130	0.001	100	0.35	230	80				
632069	255 295	1970	< 10	0.85	130	< 0.001	100	0.35	210	80				
632070	255 295	2630	< 10	1.20	130	0.001	80	0.30	200	60				
632071	255 295	2260	< 10	0.65	100	< 0.001	80	0.30	190	60				
632072	255 295	1950	< 10	1.60	90	0.001	50	0.30	180	180				
632073	255 295	2380	< 10	0.70	100	0.001	90	0.30	170	60				
632074	255 295	3190	< 10	0.25	90	< 0.001	40	0.25	180	80				
632075	255 295	1420	< 10	0.40	120	0.001	60	0.35	190	40				
632076	255 295	1660	< 10	0.50	130	< 0.001	110	0.35	230	80				
632077	255 295	2110	< 10	0.90	140	< 0.001	120	0.30	210	100				
632078	255 295	1900	< 10	0.80	120	0.001	140	0.35	210	100				
632079	255 295	1520	< 30	1.10	100	< 0.001	120	0.30	210	80				
632080	255 295	1760	< 10	1.20	100	< 0.001	120	0.30	190	80				

CERTIFICATION: _____



ALS Chemix

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0: 1 COR

2700 - 145 KING ST., W.
 TORONTO, ON
 M5H 3T7

NUM 4
 Total Pages 4
 Certificate Date 04-JUL-2001
 Invoice No. 10118769
 P.O. Number RW01-157
 Account IKH

Project: RW-01-157
 Comments: ATTN: MICHAEL DEHN CC: DAVE HUNT

CERTIFICATE OF ANALYSIS A0118769

SAMPLE	PREP CODE	Au ppb FA+AA	Ag ppm AAS	Al % (ICP)	Ba ppm (ICP)	Be ppm (ICP)	Bi ppm (ICP)	Ca % (ICP)	Cd ppm (ICP)	Co ppm (ICP)	Cr ppm (ICP)	Cu ppm (ICP)	Fe % (ICP)	K % (ICP)	Mg % (ICP)
632081	255 295	< 5	< 1	6.35	100	< 10	< 20	7.75	< 10	40	160	210	7.00	0.8	3.50
632082	255 295	< 5	< 1	5.15	< 100	< 10	< 20	12.30	< 10	30	210	80	3.85	< 0.1	1.60
632083	255 295	< 5	< 1	8.80	< 100	< 10	< 20	5.40	< 10	40	350	200	8.75	0.5	3.75
632084	255 295	5	< 1	9.00	< 100	< 10	< 20	6.30	< 10	50	320	250	8.50	0.9	3.30
632085	255 295	15	< 1	7.75	< 100	< 10	< 20	6.00	< 10	50	340	200	8.20	0.5	2.95
632086	255 295	< 5	< 1	8.90	< 100	< 10	< 20	9.10	< 10	50	320	100	9.35	0.4	3.60
632087	255 295	5	< 1	5.25	< 100	< 10	< 20	10.85	< 10	20	290	70	4.40	< 0.1	1.50
632088	255 295	< 5	< 1	9.00	< 100	< 10	< 20	8.30	< 10	50	350	160	7.95	0.7	3.20
632089	255 295	15	< 1	9.45	< 100	< 10	< 20	9.25	< 10	50	340	270	7.70	0.9	3.00
632090	255 295	15	< 1	8.15	< 100	< 10	< 20	7.30	< 10	70	310	190	8.15	0.6	3.30
632091	255 295	< 5	< 1	8.35	< 100	< 10	< 20	6.70	< 10	60	300	180	7.85	0.8	3.55
632092	255 295	< 5	< 1	9.05	100	< 10	< 20	7.05	< 10	50	290	160	7.30	1.4	3.40
632093	255 295	5	< 1	7.55	< 100	< 10	< 20	5.85	< 10	60	260	330	9.25	1.1	2.80
632094	255 295	< 5	1	8.00	< 100	< 10	< 20	9.15	< 10	60	210	710	11.95	0.4	2.90
632095	255 295	10	< 1	8.85	< 100	< 10	< 20	7.55	< 10	30	210	240	9.30	0.4	2.95
632096	255 295	15	< 1	8.65	100	< 10	< 20	6.85	< 10	40	230	280	8.00	0.6	3.05
632097	255 295	20	17	8.05	< 100	< 10	40	8.05	< 10	60	220	350	9.20	0.4	2.65
632098	255 295	< 5	< 1	8.95	< 100	< 10	< 20	7.90	< 10	40	240	120	8.05	0.5	2.45
632099	255 295	< 5	< 1	10.70	600	< 10	< 20	4.10	< 10	10	90	< 10	4.35	1.3	1.50
632100	255 295	< 5	< 1	9.45	< 100	< 10	< 20	6.90	< 10	60	240	340	9.70	0.4	3.05
632101	255 295	< 5	< 1	8.70	< 100	< 10	< 20	8.10	< 10	40	240	220	8.65	0.5	2.65
632102	255 295	10	< 1	9.45	< 100	< 10	< 20	7.15	< 10	60	240	300	7.90	0.6	2.25
632103	255 295	80	4	8.55	300	< 10	< 20	6.40	90	50	190	420	7.85	1.4	2.55
632104	255 295	50	1	8.25	100	< 10	< 20	7.30	< 10	50	200	350	8.65	0.8	2.70
632105	255 295	60	3	5.10	< 100	< 10	< 20	7.60	< 10	90	150	1190	16.25	0.3	3.40
632106	255 295	< 5	< 1	8.55	100	< 10	< 20	6.90	< 10	50	220	140	7.30	1.0	2.35
632107	255 295	< 5	< 1	8.35	< 100	< 10	< 20	6.90	< 10	50	240	380	8.80	0.5	2.90
632108	255 295	15	< 1	6.65	< 100	< 10	< 20	7.00	< 10	60	210	1930	11.85	0.2	3.20
632109	255 295	< 5	< 1	8.05	100	< 10	< 20	6.70	< 10	60	230	310	7.80	0.6	2.65
632110	255 295	< 5	< 1	8.50	< 100	< 10	< 20	7.95	< 10	40	230	250	8.75	0.5	3.20
632111	255 295	5	< 1	8.70	100	< 10	< 20	8.10	< 10	40	230	570	9.50	0.5	3.35
632112	255 295	< 5	< 1	8.45	100	< 10	< 20	6.80	< 10	40	250	150	7.70	0.6	2.65
632113	255 295	< 5	< 1	9.00	< 100	< 10	< 20	7.10	< 10	40	250	220	8.35	0.7	2.90
632114	255 295	< 5	< 1	7.60	< 100	< 10	< 20	8.30	< 10	50	220	250	9.00	0.3	3.15
632115	255 295	< 5	< 1	7.30	< 100	< 10	< 20	8.65	< 10	40	200	70	7.35	0.4	2.95
632116	255 295	45	< 1	7.20	< 100	< 10	< 20	7.60	< 10	60	210	520	10.00	0.5	3.00
632117	255 295	50	1	8.25	100	< 10	< 20	6.60	< 10	50	210	570	8.15	1.1	2.30
632118	255 295	< 5	< 1	8.60	< 100	< 10	< 20	8.75	< 10	30	220	230	8.10	0.5	2.30
632119	255 295	< 5	< 1	7.70	100	< 10	< 20	6.85	< 10	60	210	380	9.15	0.8	2.75
632120	255 295	5	< 1	8.60	< 100	< 10	< 20	6.75	< 10	50	220	330	9.45	0.5	3.00

CERTIFICATION: _____



ALS Chemix

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To: ICOP
 2700 - 145 KING ST., W.
 TORONTO, ON
 M5H 3T7

Total Pages: 14
 Certificate Date: 04-JUL-2001
 Invoice No.: 10118769
 P.O. Number: RW01-157
 Account: IKH

Project: RW-01-157
 Comments: ATTN: MICHAEL DEHN CC: DAVE HUNT

CERTIFICATE OF ANALYSIS A0118769

SAMPLE	PREP CODE	Mn ppm (ICP)	Mo ppm (ICP)	Na % (ICP)	Ni ppm (ICP)	Pb % AAS	Sr ppm (ICP)	Ti % (ICP)	V ppm (ICP)	Zn ppm (ICP)				
632081	255 295	1510	< 10	1.00	110	0.001	40	0.30	200	140				
632082	255 295	1070	< 10	0.60	60	0.001	90	0.20	170	< 20				
632083	255 295	1310	< 10	1.65	160	< 0.001	70	0.40	250	80				
632084	255 295	1230	< 10	1.90	180	< 0.001	60	0.40	280	80				
632085	255 295	1300	< 10	1.65	160	0.001	40	0.40	250	60				
632086	255 295	1860	< 10	1.30	140	< 0.001	80	0.45	270	80				
632087	255 295	1120	< 10	0.15	50	0.001	60	0.20	170	< 20				
632088	255 295	1720	< 10	1.25	150	0.001	70	0.40	270	80				
632089	255 295	1630	< 10	1.05	120	< 0.001	90	0.40	280	60				
632090	255 295	1510	< 10	1.75	160	< 0.001	70	0.40	240	80				
632091	255 295	1660	< 10	1.70	160	< 0.001	70	0.40	250	80				
632092	255 295	1680	< 10	1.45	150	< 0.001	70	0.40	260	100				
632093	255 295	1430	< 10	< 0.05	150	0.001	40	0.40	240	80				
632094	255 295	1970	< 10	1.15	170	0.001	90	0.40	270	80				
632095	255 295	2190	< 10	1.65	130	0.008	90	0.45	300	180				
632096	255 295	2410	< 10	2.10	150	0.024	70	0.45	280	880				
632097	255 295	2320	< 10	1.70	160	0.069	70	0.45	270	740				
632098	255 295	1880	< 10	1.95	140	0.001	80	0.45	300	100				
632099	255 295	730	< 10	4.05	< 10	0.001	1060	0.30	100	80				
632100	255 295	2020	< 10	2.15	170	< 0.001	100	0.50	310	100				
632101	255 295	1990	< 10	1.95	180	0.001	100	0.45	290	120				
632102	255 295	1720	< 10	2.50	150	0.001	90	0.50	310	80				
632103	255 295	2110	< 10	1.35	130	0.426	60	0.40	290	10340				
632104	255 295	2130	< 10	1.70	130	0.028	80	0.45	270	520				
632105	255 295	2200	< 10	0.75	260	0.006	70	0.25	220	240				
632106	255 295	1700	< 10	1.85	150	0.001	80	0.45	290	120				
632107	255 295	1870	< 20	2.00	150	< 0.001	80	0.45	290	120				
632108	255 295	1930	100	0.90	160	< 0.001	90	0.35	240	120				
632109	255 295	1760	10	2.20	150	< 0.001	80	0.40	270	80				
632110	255 295	2050	< 10	1.60	140	< 0.001	110	0.45	280	120				
632111	255 295	2190	< 10	1.50	150	< 0.001	120	0.45	290	180				
632112	255 295	1660	< 10	2.00	140	< 0.001	100	0.45	280	80				
632113	255 295	1780	< 10	2.25	140	< 0.001	110	0.45	300	100				
632114	255 295	1810	< 10	1.40	140	< 0.001	100	0.40	260	100				
632115	255 295	1850	< 10	2.25	120	< 0.001	30	0.35	230	80				
632116	255 295	2140	< 10	1.30	160	< 0.001	90	0.35	250	120				
632117	255 295	2570	< 10	1.85	150	< 0.001	60	0.45	290	160				
632118	255 295	2120	10	1.40	130	< 0.001	90	0.45	280	80				
632119	255 295	1910	40	1.70	160	< 0.001	70	0.40	270	80				
632120	255 295	2100	40	1.90	150	< 0.001	80	0.45	290	100				

CERTIFICATION: _____



ALS Cnemex

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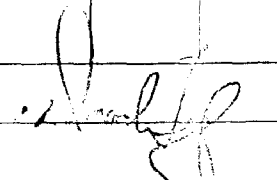
Client: GOLDORF
 2700 - 145 KING ST., W.
 TORONTO, ON
 M5H 3T7

Num: 4-A
 Total Pages: 14
 Certificate Date: 04-JUL-2001
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Project: RW-01-157
 Comments: ATTN: MICHAEL DEHN CC: DAVE HUNT

CERTIFICATE OF ANALYSIS A0118769

SAMPLE	PREP CODE	Au ppb FA+AA	Ag ppm AAS	Al % (ICP)	Ba ppm (ICP)	Be ppm (ICP)	Bi ppm (ICP)	Ca % (ICP)	Cd ppm (ICP)	Co ppm (ICP)	Cr ppm (ICP)	Cu ppm (ICP)	Fe % (ICP)	K % (ICP)	Mg % (ICP)
632121	255 295	5	< 1	6.85	< 100	< 10	< 20	6.75	< 10	50	180	170	9.20	0.3	2.65
632122	255 295	5	< 1	8.50	< 100	< 10	< 20	8.00	< 10	30	210	180	7.60	0.3	2.65
632123	255 295	< 5	< 1	7.10	< 100	< 10	< 20	5.65	< 10	40	220	180	7.20	0.4	2.35
632124	255 295	< 5	< 1	6.85	< 100	< 10	< 20	5.55	< 10	30	220	190	7.10	0.3	2.35

CERTIFICATION: 



ALS Chemex

Aurora Laboratory Services Ltd.
 Analytical Chemists * Geochemists * Registered Assayers
 5175 Timberlea Blvd., Mississauga
 Ontario, Canada L4W 2S3
 PHONE: 905-624-2806 FAX: 905-624-6163

to: COLLEGE
 2700 - 145 KING ST., W.
 TORONTO, ON
 M5H 3T7

Project: RW-01-157
 Comments: ATTN: MICHAEL DEHN CC: DAVE HUNT

Total Pages: 14
 Certificate Date: 04-JUL-2001
 Invoice No.: 10118769
 P.O. Number: RW01-157
 Account: IKH

CERTIFICATE OF ANALYSIS

A0118769

SAMPLE	PREP CODE	Mn ppm (ICP)	Mo ppm (ICP)	Na % (ICP)	Ni ppm (ICP)	Pb % AAS	Sr ppm (ICP)	Ti % (ICP)	V ppm (ICP)	Zn ppm (ICP)				
632121	255 295	1870	< 10	1.85	130	< 0.001	40	0.35	230	80				
632122	255 295	2020	< 10	1.85	120	< 0.001	80	0.45	270	80				
632123	255 295	1490	10	2.00	100	< 0.001	60	0.35	240	60				
632124	255 295	1480	10	1.80	100	< 0.001	70	0.35	220	60				

CERTIFICATION: _____



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To: GOLDCORP INC.

2700 - 145 KING ST., W.
 TORONTO, ON
 M5H 3T7

Project: RW-01-158
 Comments: ATTN: MICHAEL DEHN CC: DAVE HUNT

Page Number: 1-A
 Total Pages: 12
 Certificate Date: 04-JUL-2001
 Invoice No.: A0118935
 P.O. Number: RW01-158
 Account: MKH

CERTIFICATE OF ANALYSIS A0118935

SAMPLE	PREP CODE	Au ppb RUSH	Ag ppm AAS	Al % (ICP)	Ba ppm (ICP)	Be ppm (ICP)	Bi ppm (ICP)	Ca % (ICP)	Cd ppm (ICP)	Co ppm (ICP)	Cr ppm (ICP)	Cu ppm (ICP)	Fe % (ICP)	K % (ICP)	Mg % (ICP)
632125	255 295	< 5	< 1	8.35	200	< 10	< 20	5.50	< 10	40	230	270	6.30	0.6	2.00
632126	255 295	< 5	< 1	8.10	100	< 10	< 20	5.55	< 10	30	210	150	4.85	0.4	1.80
632127	255 295	50	6	7.35	200	< 10	< 20	7.10	< 10	40	140	660	8.05	1.4	2.45
632128	255 295	10	1	7.80	300	< 10	< 20	6.95	< 10	40	140	270	6.90	1.2	2.15
632129	255 295	< 5	< 1	8.10	100	< 10	< 20	5.80	< 10	50	190	440	7.65	0.5	2.95
632130	255 295	5	< 1	8.35	100	< 10	< 20	6.10	< 10	50	230	480	7.80	0.5	2.70
632131	255 295	10	1	8.30	100	< 10	< 20	7.15	< 10	50	170	530	8.35	0.5	2.75
632132	255 295	5	< 1	8.05	100	< 10	< 20	4.95	< 10	60	190	800	7.55	0.5	2.40
632133	255 295	15	< 1	6.90	100	< 10	< 20	5.20	< 10	100	220	1330	12.05	0.4	3.20
632134	255 295	< 5	< 1	6.05	300	< 10	< 20	2.80	< 10	10	210	130	2.15	0.9	0.75
632135	255 295	30	1	8.40	100	< 10	< 20	6.55	< 10	90	190	1220	9.00	0.6	2.60
632136	255 295	< 5	< 1	7.50	100	< 10	< 20	6.35	< 10	70	210	550	8.00	0.7	2.70
632137	255 295	< 5	< 1	8.35	400	< 10	< 20	4.80	< 10	40	160	360	5.40	0.9	1.70
632138	255 295	< 5	< 1	8.35	100	< 10	< 20	7.65	< 10	50	230	620	7.30	0.5	2.50
632139	255 295	< 5	< 1	8.40	100	< 10	< 20	6.65	< 10	40	190	360	6.60	0.8	2.25
632140	255 295	< 5	< 1	9.05	200	< 10	< 20	7.00	< 10	30	140	300	5.65	1.2	2.35
632141	255 295	< 5	< 1	8.85	100	< 10	< 20	5.15	< 10	30	150	230	5.00	0.7	2.45
632142	255 295	< 5	< 1	8.20	100	< 10	< 20	7.15	< 10	50	210	550	7.75	0.5	2.40
632143	255 295	< 5	< 1	8.85	100	< 10	< 20	5.60	< 10	40	140	340	5.90	0.7	2.15
632144	255 295	< 5	< 1	8.05	100	< 10	< 20	6.60	< 10	50	240	540	7.70	0.5	2.60
632145	255 295	10	< 1	8.10	< 100	< 10	< 20	6.75	< 10	80	230	710	8.40	0.4	2.90
632146	255 295	< 5	< 1	8.20	100	< 10	< 20	7.00	< 10	70	200	750	8.15	0.5	3.15
632147	255 295	< 5	< 1	8.65	100	< 10	< 20	6.95	< 10	50	230	240	7.05	0.5	2.90
632148	255 295	65	< 1	7.80	300	< 10	< 20	5.30	< 10	50	160	650	5.70	1.0	1.65
632149	255 295	5	< 1	7.85	< 100	< 10	< 20	7.50	< 10	60	210	770	9.15	0.5	3.05
632150	255 295	< 5	< 1	10.45	500	< 10	< 20	4.20	< 10	10	100	< 10	4.20	1.2	1.45
632151	255 295	< 5	< 1	7.80	< 100	< 10	< 20	6.15	< 10	70	210	870	8.50	0.5	2.75
632152	255 295	10	< 1	7.55	< 100	< 10	< 20	6.60	< 10	80	240	1220	8.85	0.5	2.45
632153	255 295	5	< 1	8.95	100	< 10	< 20	5.10	< 10	60	250	1160	6.05	0.8	1.55
632154	255 295	< 5	< 1	5.10	< 100	< 10	< 20	8.15	< 10	50	210	320	17.60	0.5	3.85
632155	255 295	< 5	< 1	8.35	< 100	< 10	< 20	8.70	< 10	40	220	220	7.75	0.4	2.60
632156	255 295	10	< 1	3.80	< 100	< 10	< 20	12.85	< 10	20	140	90	4.40	0.2	1.55
632157	255 295	20	< 1	3.80	< 100	< 10	< 20	6.35	< 10	70	110	850	12.15	0.5	2.05
632158	255 295	< 5	1	2.95	< 100	< 10	< 20	4.20	< 10	40	130	1500	15.45	0.6	1.50
632159	255 295	5	< 1	6.10	< 100	< 10	< 20	4.05	< 10	20	180	800	19.20	1.8	2.30
632160	255 295	< 5	< 1	7.15	< 100	< 10	< 20	6.35	< 10	70	200	280	10.50	1.0	3.45
632161	255 295	< 5	< 1	8.40	< 100	< 10	< 20	5.45	< 10	50	230	310	7.95	1.3	2.70
632162	255 295	< 5	< 1	7.55	< 100	< 10	< 20	5.20	< 10	50	230	200	8.95	0.8	3.20
632163	255 295	< 5	< 1	8.25	< 100	< 10	< 20	10.35	< 10	40	270	780	8.00	0.3	2.10
632164	255 295	< 5	< 1	5.70	< 100	< 10	< 20	7.60	< 10	40	180	250	9.85	0.1	3.20

CERTIFICATION: 



ALS Chemex

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 5175 Timberlea Blvd., Mississauga
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TO: GOLDCORP INC.

2700 - 145 KING ST., W.
 TORONTO, ON
 M5H 3T7

Page Number: 1-5
 Total Pages: 12
 Certificate Date: 04-JUL-2001
 Invoice No.: 10118935
 P.O. Number: RW01-158
 Account: 11KH

Project: RW-01-158
 Comments: ATTN: MICHAEL DEHN CC: DAVE HUNT

CERTIFICATE OF ANALYSIS A0118935

SAMPLE	PREP CODE	Mn ppm (ICP)	Mo ppm (ICP)	Na % (ICP)	Ni ppm (ICP)	Pb % AAS	Sr ppm (ICP)	Ti % (ICP)	V ppm (ICP)	Zn ppm (ICP)				
632125	255 295	1260	30	2.50	100	0.003	300	0.35	210	20				
632126	255 295	1120	< 10	2.50	90	0.001	240	0.30	160	20				
632127	255 295	2670	100	1.05	120	0.080	130	0.40	230	940				
632128	255 295	2130	130	1.90	90	0.020	140	0.35	200	200				
632129	255 295	1700	50	2.10	130	0.003	130	0.40	250	80				
632130	255 295	1850	20	1.90	120	0.002	210	0.45	260	60				
632131	255 295	2180	30	1.55	130	0.003	170	0.40	250	20				
632132	255 295	1230	10	2.10	110	0.001	170	0.35	210	20				
632133	255 295	1700	30	1.40	210	< 0.001	80	0.35	270	60				
632134	255 295	420	< 10	2.10	20	< 0.001	120	0.15	60	< 20				
632135	255 295	1520	30	1.80	140	< 0.001	170	0.40	250	60				
632136	255 295	1230	40	1.75	120	< 0.001	150	0.35	250	40				
632137	255 295	760	10	2.55	80	< 0.001	230	0.30	150	20				
632138	255 295	1530	20	1.75	120	< 0.001	160	0.40	240	40				
632139	255 295	1210	10	2.45	110	< 0.001	130	0.35	210	20				
632140	255 295	1050	10	2.55	80	< 0.001	160	0.30	200	40				
632141	255 295	950	10	2.75	80	< 0.001	220	0.35	170	20				
632142	255 295	1500	20	1.95	130	< 0.001	160	0.40	250	40				
632143	255 295	1030	10	2.45	90	0.001	300	0.35	170	20				
632144	255 295	1220	30	1.75	120	< 0.001	150	0.40	250	40				
632145	255 295	1450	10	1.80	140	< 0.001	90	0.45	270	80				
632146	255 295	1400	< 10	1.90	130	< 0.001	110	0.40	250	60				
632147	255 295	1320	10	2.15	140	< 0.001	140	0.45	260	40				
632148	255 295	910	30	2.20	80	0.001	150	0.30	170	20				
632149	255 295	1630	180	1.65	130	< 0.001	100	0.40	300	60				
632150	255 295	720	< 10	4.00	10	< 0.001	1060	0.30	100	60				
632151	255 295	1290	70	1.95	150	< 0.001	90	0.40	270	40				
632152	255 295	1120	60	1.40	130	< 0.001	140	0.40	250	20				
632153	255 295	710	30	2.25	130	< 0.001	120	0.50	230	< 20				
632154	255 295	2950	10	0.65	140	0.001	50	0.25	250	100				
632155	255 295	1930	< 10	2.05	120	0.001	80	0.45	280	80				
632156	255 295	1790	10	0.85	60	0.013	60	0.20	140	100				
632157	255 295	1770	50	0.30	100	0.001	40	0.05	110	80				
632158	255 295	1410	30	0.35	110	< 0.001	20	0.10	90	60				
632159	255 295	2210	30	0.35	80	0.002	50	0.30	210	80				
632160	255 295	1320	20	1.40	140	< 0.001	40	0.40	270	60				
632161	255 295	920	20	1.90	110	< 0.001	50	0.45	280	40				
632162	255 295	1130	80	1.60	110	0.001	40	0.45	280	60				
632163	255 295	1180	10	0.65	70	0.001	90	0.50	300	20				
632164	255 295	1510	< 10	0.75	90	< 0.001	50	0.35	230	100				

CERTIFICATION: _____



ALS Chemex

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 Analytical Chemists * Geochemists * Registered Assayers
 5175 Timberlea Blvd., Mississauga
 Ontario, Canada L4W 2S3
 PHONE: 905-624-2806 FAX: 905-624-6163

To: GOLDCORP INC.

2700 - 145 KING ST., W.
 TORONTO, ON
 M5H 3T7

Project: RW-01-158
 Comments: ATTN: MICHAEL DEHN CC: DAVE HUNT

Page Number: 12-A
 Total Pages: 2
 Certificate Date: 04-JUL-2001
 Invoice No.: 10118935
 P.O. Number: RW01-158
 Account: MKH

CERTIFICATE OF ANALYSIS A0118935

SAMPLE	PREP CODE	Au ppb RUSH	Ag ppm AAS	Al % (ICP)	Ba ppm (ICP)	Be ppm (ICP)	Bi ppm (ICP)	Ca % (ICP)	Cd ppm (ICP)	Co ppm (ICP)	Cr ppm (ICP)	Cu ppm (ICP)	Fe % (ICP)	K % (ICP)	Mg % (ICP)
632165	255 295	50	< 1	6.65	< 100	< 10	< 20	7.25	< 10	50	190	260	10.85	0.3	4.10
632166	255 295	< 5	< 1	6.75	< 100	< 10	< 20	7.10	< 10	40	220	390	8.70	0.4	3.55
632167	255 295	< 5	< 1	8.45	< 100	< 10	< 20	7.50	< 10	40	240	150	7.75	0.2	3.15
632168	255 295	< 5	< 1	7.50	< 100	< 10	< 20	6.80	< 10	40	210	190	8.55	0.6	3.65
632169	255 295	< 5	< 1	6.25	< 100	< 10	< 20	5.30	< 10	40	170	190	13.05	0.5	5.30
632170	255 295	< 5	< 1	1.00	< 100	< 10	< 20	5.20	< 10	20	130	460	18.25	0.1	2.05
632171	255 295	15	< 1	4.90	< 100	< 10	< 20	3.50	< 10	30	210	250	10.15	0.6	5.65
632172	255 295	25	< 1	5.45	< 100	< 10	< 20	2.75	< 10	50	170	440	13.80	0.7	6.75
632173	255 295	< 5	< 1	6.75	< 100	< 10	< 20	4.20	< 10	40	240	70	8.30	1.1	5.30
632174	255 295	< 5	< 1	0.70	< 100	< 10	< 20	3.55	< 10	< 10	290	< 10	1.00	0.1	0.50
632175	255 295	< 5	< 1	6.60	< 100	< 10	< 20	8.80	< 10	40	190	300	7.80	1.6	4.45
632176	255 295	< 5	< 1	6.95	< 100	< 10	< 20	6.60	< 10	40	180	140	7.40	0.8	4.05
632177	255 295	20	< 1	6.25	< 100	< 10	< 20	7.90	< 10	30	130	110	6.15	0.6	3.95
632178	255 295	< 5	< 1	5.35	< 100	< 10	< 20	9.15	< 10	30	230	10	5.10	0.4	3.80
632179	255 295	< 5	< 1	5.40	< 100	< 10	< 20	5.30	< 10	30	280	30	4.90	0.5	3.20
632180	255 295	65	< 1	5.45	< 100	< 10	< 20	7.50	< 10	30	300	50	5.35	0.4	3.55
632181	255 295	< 5	< 1	6.35	100	< 10	< 20	9.10	< 10	20	270	< 10	5.65	0.5	2.95
632182	255 295	< 5	< 1	6.95	< 100	< 10	< 20	11.05	< 10	60	210	710	13.05	0.1	3.15
632183	255 295	< 5	< 1	7.85	< 100	< 10	< 20	11.25	< 10	40	250	370	10.95	0.1	3.30
632184	255 295	< 5	< 1	8.05	< 100	< 10	< 20	9.15	< 10	40	240	440	11.95	0.1	3.15
632185	255 295	< 5	< 1	1.00	< 100	< 10	< 20	7.15	< 10	50	110	1030	15.00	< 0.1	2.50
632186	255 295	< 5	< 1	0.55	< 100	< 10	< 20	6.75	< 10	40	130	1050	11.90	< 0.1	2.85
632187	255 295	< 5	< 1	2.50	< 100	< 10	< 20	4.90	< 10	10	200	320	5.95	0.1	1.95
632188	255 295	< 5	< 1	8.05	< 100	< 10	< 20	9.95	< 10	30	230	200	7.95	0.1	2.90
632189	255 295	< 5	< 1	8.85	< 100	< 10	< 20	11.70	< 10	20	260	270	8.00	0.1	2.50
632190	255 295	15	< 1	7.95	< 100	< 10	< 20	11.15	< 10	40	220	400	9.45	0.1	2.75
632191	255 295	25	< 1	4.95	< 100	< 10	< 20	11.10	< 10	50	130	300	13.50	0.2	3.00
632192	255 295	180	1	2.60	< 100	< 10	< 20	14.70	50	10	130	50	4.35	0.1	1.45
632193	255 295	25	< 1	7.85	< 100	< 10	< 20	12.25	< 10	60	230	620	8.45	0.1	2.40
632194	255 295	15	< 1	7.80	< 100	< 10	< 20	12.30	< 10	80	230	630	9.65	0.1	2.75
632195	255 295	< 5	< 1	7.25	< 100	< 10	< 20	9.30	< 10	40	210	100	8.05	0.6	3.00
632196	255 295	1250	8	3.30	< 100	< 10	< 20	6.40	< 10	40	120	490	16.30	0.3	2.40
632197	255 295	< 5	< 1	3.90	< 100	< 10	< 20	18.00	< 10	10	110	40	4.10	< 0.1	1.70

CERTIFICATION: _____



ALS Chemtix

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 5175 Timberlea Blvd., Mississauga
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2700 - 145 KING ST., W.
 TORONTO, ON
 M5H 3T7

Num 100
 Total Pages 2
 Certificate Date: 04-JUL-2001
 Invoice No. 10118935
 P.O. Number RW01-158
 Account 11KH

Project: RW-01-158
 Comments: ATTN: MICHAEL DEHN CC: DAVE HUNT

CERTIFICATE OF ANALYSIS A0118935

SAMPLE	PREP CODE	Mn ppm (ICP)	Mo ppm (ICP)	Na % (ICP)	Ni ppm (ICP)	Pb % AAS	Sr ppm (ICP)	Ti % (ICP)	V ppm (ICP)	Zn ppm (ICP)				
632165	255 295	1710	< 10	0.75	130	0.002	90	0.40	250	80				
632166	255 295	1290	10	1.20	130	0.003	70	0.35	240	60				
632167	255 295	1170	10	1.60	110	0.003	120	0.45	260	60				
632168	255 295	1310	10	1.40	140	0.004	110	0.40	250	60				
632169	255 295	1370	< 10	0.40	100	0.003	10	0.35	240	120				
632170	255 295	940	< 10	0.05	40	0.004	10	< 0.05	40	< 20				
632171	255 295	1170	110	0.25	70	0.003	30	0.20	150	80				
632172	255 295	1330	30	0.25	80	0.003	< 10	0.25	150	100				
632173	255 295	1090	< 10	1.15	110	0.003	80	0.45	240	60				
632174	255 295	540	< 10	0.05	10	0.001	10	< 0.05	30	< 20				
632175	255 295	1920	< 10	1.25	110	< 0.001	70	0.40	220	40				
632176	255 295	1130	< 10	1.70	110	< 0.001	80	0.35	240	60				
632177	255 295	1880	< 10	1.70	100	0.002	80	0.25	200	120				
632178	255 295	1170	< 10	1.15	80	< 0.001	140	0.10	150	20				
632179	255 295	830	350	1.00	100	< 0.001	60	0.20	170	20				
632180	255 295	1080	810	1.35	100	< 0.001	50	0.20	190	20				
632181	255 295	1040	10	1.50	100	< 0.001	110	0.25	190	20				
632182	255 295	1830	10	0.45	110	< 0.001	50	0.30	250	60				
632183	255 295	1930	< 10	0.50	120	< 0.001	50	0.35	280	60				
632184	255 295	1750	< 10	1.15	100	< 0.001	40	0.40	280	40				
632185	255 295	1840	110	0.10	60	< 0.001	10	< 0.05	50	20				
632186	255 295	1640	240	0.05	40	< 0.001	< 10	< 0.05	40	20				
632187	255 295	1040	30	0.35	40	< 0.001	30	0.10	90	< 20				
632188	255 295	1580	80	0.85	100	0.001	70	0.35	240	40				
632189	255 295	1580	90	0.70	80	0.001	80	0.40	200	20				
632190	255 295	1580	330	0.70	110	0.001	70	0.35	230	20				
632191	255 295	1990	310	0.15	80	0.002	70	0.25	170	40				
632192	255 295	1100	10	0.15	40	0.049	30	0.05	90	5780				
632193	255 295	1380	230	0.85	130	0.001	80	0.40	250	40				
632194	255 295	1580	130	0.70	140	0.004	90	0.35	250	240				
632195	255 295	1600	30	1.50	120	0.002	50	0.35	240	100				
632196	255 295	8760	10	0.20	80	0.036	20	0.15	130	380				
632197	255 295	1380	< 10	0.65	50	0.002	70	0.15	110	20				

CERTIFICATION: _____



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 5175 Timberlea Blvd., Mississauga
 Ontario, Canada L4W 2S3
 PHONE: 905-624-2806 FAX: 905-624-6163

TO: GOLDCORP INC.

2700 - 145 KING ST., W.
 TORONTO, ON
 M5H 3T7

Project: RW-01-159
 Comments: ATTN: MICHAEL DEHN CC: DAVE HUNT

Page Number: 12
 Total Pages: 12
 Certificate Date: 05-JUL-2001
 Invoice No.: 10119126
 P.O. Number: RW01-159
 Account: IKH

CERTIFICATE OF ANALYSIS A0119126

SAMPLE	PREP CODE	Au ppb RUSH	Ag ppm AAS	Al % (ICP)	Ba ppm (ICP)	Be ppm (ICP)	Bi ppm (ICP)	Ca % (ICP)	Cd ppm (ICP)	Co ppm (ICP)	Cr ppm (ICP)	Cu ppm (ICP)	Fe % (ICP)	K % (ICP)	Mg % (ICP)
632198	255 295	45	1	6.55	< 100	< 10	< 20	8.60	< 10	70	120	1450	9.05	0.3	2.65
632199	255 295	< 5	< 1	6.50	< 100	< 10	< 20	8.75	< 10	60	140	330	8.35	0.3	2.60
632200	255 295	< 5	< 1	9.75	700	< 10	< 20	3.95	< 10	10	100	20	4.05	1.1	1.35
632201	255 295	< 5	< 1	7.10	< 100	< 10	< 20	7.75	< 10	70	130	350	9.35	0.3	3.10
632202	255 295	< 5	< 1	4.60	< 100	< 10	< 20	7.65	< 10	40	190	130	5.55	0.3	1.95
632203	255 295	< 5	< 1	6.35	< 100	< 10	< 20	4.70	< 10	30	170	200	5.40	0.6	2.00
632204	255 295	< 5	< 1	7.80	< 100	< 10	< 20	10.00	< 10	40	300	70	7.05	0.4	3.35
632205	255 295	< 5	< 1	5.40	< 100	< 10	< 20	8.15	< 10	30	370	390	5.95	0.6	2.40
632206	255 295	30	< 1	7.40	100	< 10	< 20	6.50	< 10	60	300	130	9.20	0.4	2.90
632207	255 295	< 5	< 1	6.25	< 100	< 10	< 20	3.40	< 10	10	220	40	1.70	0.1	0.55
632208	255 295	< 5	< 1	8.00	100	< 10	< 20	3.95	< 10	< 10	120	50	2.15	0.2	0.90
632209	255 295	< 5	1	7.70	100	< 10	< 20	3.50	< 10	10	90	80	2.15	1.0	1.45
632210	255 295	< 5	< 1	6.00	100	< 10	< 20	5.10	< 10	10	150	80	1.90	0.4	0.85
632211	255 295	< 5	< 1	8.30	200	< 10	< 20	7.25	< 10	< 10	40	270	2.05	0.8	0.75
632212	255 295	< 5	< 1	2.00	< 100	< 10	< 20	1.15	< 10	< 10	220	10	1.10	0.1	0.40
632213	255 295	< 5	< 1	8.05	200	< 10	< 20	6.70	< 10	20	170	150	3.95	0.4	2.00
632214	255 295	< 5	< 1	7.75	100	< 10	< 20	7.65	< 10	30	210	170	4.90	0.2	2.40
632215	255 295	< 5	< 1	8.15	200	< 10	< 20	7.25	< 10	30	200	160	4.80	0.3	2.40
632216	255 295	< 5	< 1	8.00	100	< 10	< 20	7.45	< 10	30	230	90	5.10	0.1	2.30
632217	255 295	< 5	< 1	7.65	300	< 10	< 20	6.30	< 10	30	210	180	5.60	0.7	2.25
632218	255 295	< 5	< 1	7.75	200	< 10	< 20	6.15	< 10	30	180	100	4.45	0.5	1.80
632219	255 295	< 5	< 1	6.65	400	< 10	< 20	1.90	< 10	< 10	120	30	1.20	0.7	0.40
632220	255 295	< 5	< 1	6.80	200	< 10	< 20	1.90	< 10	< 10	100	120	1.40	0.5	0.50
632221	255 295	< 5	< 1	7.35	300	< 10	< 20	2.60	< 10	< 10	90	80	1.80	0.7	0.70
632222	255 295	< 5	< 1	9.60	800	< 10	< 20	3.15	< 10	10	70	50	2.30	1.2	0.90
632223	255 295	< 5	< 1	8.35	200	< 10	< 20	7.60	< 10	40	210	220	5.50	0.6	2.40
632224	255 295	5	< 1	7.75	100	< 10	< 20	7.40	< 10	40	180	210	5.35	0.5	2.25
632225	255 295	15	< 1	8.65	100	< 10	< 20	8.45	< 10	30	170	240	4.65	0.2	2.00
632226	255 295	< 5	< 1	8.60	100	< 10	< 20	8.10	< 10	30	220	170	5.10	0.2	2.05
632227	255 295	< 5	< 1	9.45	100	< 10	< 20	7.60	< 10	10	90	190	3.70	0.3	1.60
632228	255 295	< 5	< 1	8.35	100	< 10	< 20	7.75	< 10	10	130	230	3.85	0.3	1.65
632229	255 295	< 5	< 1	7.60	< 100	< 10	< 20	7.55	< 10	40	210	160	6.95	0.3	2.80
632230	255 295	< 5	< 1	6.30	< 100	< 10	< 20	9.20	< 10	40	200	30	5.75	0.1	2.60
632231	255 295	< 5	< 1	8.15	< 100	< 10	< 20	7.15	< 10	60	240	370	8.85	0.4	2.75
632232	255 295	< 5	< 1	8.15	< 100	< 10	< 20	7.35	< 10	40	260	220	8.80	0.3	2.75
632233	255 295	< 5	< 1	8.45	100	< 10	< 20	6.95	< 10	60	250	210	8.75	0.5	2.75
632234	255 295	< 5	< 1	7.60	< 100	< 10	< 20	7.60	< 10	50	230	130	9.50	0.4	3.50
632235	255 295	< 5	< 1	8.15	< 100	< 10	< 20	8.20	< 10	60	240	180	9.75	0.4	3.35
632236	255 295	< 5	1	7.30	< 100	< 10	< 20	8.80	< 10	90	220	590	9.60	0.2	2.80
632237	255 295	< 5	< 1	8.15	100	< 10	< 20	8.35	< 10	50	230	180	8.25	0.4	2.85

CERTIFICATION: 



ALS Chemex

Aurora Laboratory Services Ltd.

Analytical Chemists * Geochemists * Registered Assayers

5175 Timberlea Blvd., Mississauga

Ontario, Canada L4W 2S3

PHONE: 905-624-2806 FAX: 905-624-6163

To: GOLDCORP INC.

2700 - 145 KING ST., W.
TORONTO, ON
M5H 3T7

Project: RW-01-159

Comments: ATTN: MICHAEL DEHN CC: DAVE HUNT

Page Number : 1-B

Total Pages : 2

Certificate Date: 05-JUL-2001

Invoice No. : 10119126

P.O. Number : RW01-159

Account : KH

CERTIFICATE OF ANALYSIS

A0119126

SAMPLE	PREP CODE	Mn ppm (ICP)	Mo ppm (ICP)	Na % (ICP)	Ni ppm (ICP)	Pb % AAS	Sr ppm (ICP)	Ti % (ICP)	V ppm (ICP)	Zn ppm (ICP)				
632198	255 295	1880	< 10	1.30	90	0.002	90	0.50	280	100				
632199	255 295	1750	< 10	1.05	80	0.001	70	0.45	270	60				
632200	255 295	700	< 10	3.70	10	0.001	1050	0.30	90	80				
632201	255 295	1800	10	1.40	90	0.002	100	0.55	300	80				
632202	255 295	1640	< 10	0.95	40	0.003	40	0.30	170	40				
632203	255 295	1070	< 10	1.55	60	< 0.001	50	0.30	140	60				
632204	255 295	1850	< 10	1.25	120	< 0.001	110	0.40	240	60				
632205	255 295	1440	10	0.85	90	< 0.001	40	0.30	190	60				
632206	255 295	2360	< 10	1.85	150	0.001	50	0.35	240	120				
632207	255 295	380	< 10	3.20	20	0.001	180	0.10	60	< 20				
632208	255 295	590	10	3.85	20	< 0.001	270	0.15	60	20				
632209	255 295	520	30	3.50	30	0.001	120	0.10	70	20				
632210	255 295	660	90	2.70	20	< 0.001	150	0.15	70	20				
632211	255 295	830	110	4.30	< 10	0.001	310	0.15	60	20				
632212	255 295	240	< 10	0.80	10	< 0.001	40	< 0.05	30	< 20				
632213	255 295	1470	10	2.65	70	0.001	260	0.30	140	60				
632214	255 295	1570	10	2.45	70	0.003	270	0.30	170	60				
632215	255 295	1510	10	2.45	80	0.001	270	0.30	160	60				
632216	255 295	1540	20	2.50	90	0.002	280	0.35	190	60				
632217	255 295	1420	10	2.40	90	0.002	190	0.35	180	60				
632218	255 295	1170	40	2.45	90	0.001	280	0.30	170	60				
632219	255 295	250	< 10	3.55	10	< 0.001	200	0.10	40	< 20				
632220	255 295	300	10	3.85	< 10	< 0.001	190	0.10	40	20				
632221	255 295	390	10	3.75	< 10	< 0.001	240	0.15	40	20				
632222	255 295	440	10	3.80	10	0.001	350	0.20	50	20				
632223	255 295	1580	60	2.40	110	< 0.001	230	0.40	210	60				
632224	255 295	1580	170	2.35	100	< 0.001	220	0.35	180	60				
632225	255 295	1600	160	2.90	60	0.001	330	0.30	140	80				
632226	255 295	1630	30	2.75	70	< 0.001	290	0.35	180	60				
632227	255 295	1570	40	3.70	40	< 0.001	280	0.25	110	60				
632228	255 295	1370	20	3.15	60	< 0.001	250	0.25	130	60				
632229	255 295	1960	< 10	2.40	120	< 0.001	110	0.40	250	80				
632230	255 295	1730	< 10	1.60	110	0.001	90	0.35	210	60				
632231	255 295	2320	40	1.30	140	0.001	80	0.45	290	140				
632232	255 295	2070	< 10	1.50	140	0.001	100	0.50	290	100				
632233	255 295	2050	< 10	1.65	150	0.001	90	0.50	300	100				
632234	255 295	2610	10	1.50	140	0.001	80	0.45	270	120				
632235	255 295	2600	< 10	1.05	140	0.001	100	0.45	290	100				
632236	255 295	2130	30	1.15	170	0.001	100	0.40	280	100				
632237	255 295	2140	< 10	1.45	130	0.001	140	0.45	300	80				

CERTIFICATION: _____



ALS Chemex

Aurora Laboratory Services Ltd.
 Analytical Chemists * Geochemists * Registered Assayers
 5175 Timberlea Blvd., Mississauga
 Ontario, Canada L4W 2S3
 PHONE: 905-624-2806 FAX: 905-624-6163

To: GOLDCORP INC.

2700 - 145 KING ST., W.
 TORONTO, ON
 M5H 3T7

Project: RW-01-159
 Comments: ATTN: MICHAEL DEHN CC: DAVE HUNT

Page Number : 2-A
 Total Pages : 2
 Certificate Date: 01-JUL-2001
 Invoice No. : 10119126
 P.O. Number : RW01-159
 Account : IKH

CERTIFICATE OF ANALYSIS A0119126

SAMPLE	PREP CODE	Au ppb RUSH	Ag ppm AAS	Al % (ICP)	Ba ppm (ICP)	Be ppm (ICP)	Bi ppm (ICP)	Ca % (ICP)	Cd ppm (ICP)	Co ppm (ICP)	Cr ppm (ICP)	Cu ppm (ICP)	Fe % (ICP)	K % (ICP)	Mg % (ICP)
632238	255 295	< 5	< 1	7.90	< 100	< 10	< 20	7.85	< 10	70	270	330	9.35	< 0.1	3.05
632239	255 295	< 5	< 1	8.50	< 100	< 10	< 20	10.00	< 10	50	250	100	8.15	< 0.1	2.35
632240	255 295	< 5	< 1	8.05	< 100	< 10	< 20	7.25	< 10	50	250	140	7.10	< 0.1	1.85
632241	255 295	< 5	< 1	7.45	100	< 10	< 20	5.50	< 10	50	210	190	8.90	0.4	2.45
632242	255 295	< 5	< 1	7.65	< 100	< 10	< 20	5.65	< 10	50	240	310	9.60	0.2	2.70
632243	255 295	45	< 1	7.00	100	< 10	< 20	5.75	< 10	70	210	480	12.10	0.8	2.25
632244	255 295	20	< 1	7.35	100	< 10	< 20	7.50	< 10	50	230	180	9.10	0.7	2.40
632245	255 295	65	1	7.85	400	< 10	< 20	5.20	< 10	50	220	190	7.85	2.1	2.25
632246	255 295	< 5	< 1	7.75	< 100	< 10	< 20	8.25	< 10	50	250	350	8.10	0.1	2.15
632247	255 295	< 5	< 1	7.35	100	< 10	< 20	7.90	< 10	50	230	130	7.75	1.1	2.35
632248	255 295	< 5	< 1	8.10	100	< 10	< 20	5.95	< 10	60	220	290	8.90	1.0	2.45
632249	255 295	555	4	7.30	100	< 10	< 20	5.65	10	50	210	400	8.35	1.4	1.95
632250	-- --	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed
632251	255 295	70	6	6.35	< 100	< 10	< 20	6.50	< 10	50	200	770	10.40	0.8	2.60
632252	255 295	< 5	< 1	7.80	< 100	< 10	< 20	6.25	< 10	60	150	160	8.70	0.8	3.40
632253	255 295	720	12	3.60	< 100	< 10	< 20	5.95	< 10	60	180	2070	8.55	0.5	1.35
632254	255 295	< 5	< 1	6.95	100	< 10	< 20	6.15	< 10	50	230	260	7.65	1.2	2.05
632255	255 295	15	3	7.80	100	< 10	< 20	6.50	< 10	60	250	410	9.80	0.9	2.85
632256	255 295	5	< 1	8.00	100	< 10	< 20	6.20	< 10	60	240	200	8.40	1.3	2.40
632257	255 295	5	< 1	7.90	100	< 10	< 20	6.85	< 10	50	210	150	8.15	1.2	2.45
632258	255 295	60	< 1	7.25	100	< 10	< 20	6.05	< 10	50	210	120	6.60	1.2	1.85
632259	255 295	< 5	< 1	7.70	100	< 10	< 20	7.20	< 10	50	210	190	8.45	1.1	2.80
632260	255 295	< 5	< 1	7.75	100	< 10	< 20	4.75	< 10	50	250	290	8.45	1.7	2.65
632261	255 295	< 5	< 1	6.15	100	< 10	< 20	5.10	< 10	40	230	200	6.35	0.9	2.05
632262	255 295	5	< 1	5.55	100	< 10	< 20	6.25	< 10	40	240	440	5.65	1.1	1.75
632263	255 295	< 5	< 1	7.55	200	< 10	< 20	6.95	< 10	50	240	170	8.55	1.4	2.60

CERTIFICATION: _____



ALS Chemex

Aurora Laboratory Services Ltd.
 Analytical Chemists * Geochemists * Registered Assayers
 5175 Timberlea Blvd., Mississauga
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 PHONE: 905-624-2806 FAX: 905-624-6163

To: GOLDCORP INC.

2700 - 145 KING ST., W.
 TORONTO, ON
 M5H 3T7

Project: RW-01-159
 Comments: ATTN: MICHAEL DEHN CC: DAVE HUNT

Page Number: 128
 Total Pages: 2
 Certificate Date: 05-JUL-2001
 Invoice No.: 10119126
 P.O. Number: RW01-159
 Account: IKH

CERTIFICATE OF ANALYSIS A0119126

SAMPLE	PREP CODE	Mn ppm (ICP)	Mo ppm (ICP)	Na % (ICP)	Ni ppm (ICP)	Pb % AAS	Sr ppm (ICP)	Ti % (ICP)	V ppm (ICP)	Zn ppm (ICP)				
632238	255 295	2360	< 10	0.80	160	0.001	150	0.50	290	100				
632239	255 295	2130	< 10	0.70	140	0.001	150	0.45	290	80				
632240	255 295	1790	< 10	1.15	130	0.001	130	0.45	290	60				
632241	255 295	2520	10	1.95	120	0.001	70	0.40	260	100				
632242	255 295	2140	< 10	1.10	150	0.001	150	0.45	290	120				
632243	255 295	4090	< 10	1.00	160	0.002	60	0.40	260	140				
632244	255 295	3370	< 10	1.60	140	0.001	70	0.40	280	120				
632245	255 295	2850	30	0.35	150	0.017	10	0.45	280	1260				
632246	255 295	1760	10	0.80	150	< 0.001	140	0.45	280	80				
632247	255 295	1890	< 10	1.20	120	0.001	70	0.40	270	160				
632248	255 295	2020	10	1.60	140	0.001	90	0.45	280	100				
632249	255 295	3170	10	1.25	130	0.134	30	0.40	260	2120				
632250	-- --	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd				
632251	255 295	3660	< 10	1.05	130	0.016	70	0.35	250	140				
632252	255 295	3050	< 10	1.30	130	0.003	70	0.45	270	140				
632253	255 295	2330	10	0.45	110	0.017	50	0.20	130	120				
632254	255 295	1920	10	1.15	110	0.008	60	0.40	240	120				
632255	255 295	2240	10	1.15	140	0.023	40	0.45	280	160				
632256	255 295	1960	20	1.20	150	0.003	60	0.45	280	120				
632257	255 295	1920	10	1.05	130	0.001	40	0.45	270	100				
632258	255 295	1570	10	1.15	130	0.002	60	0.40	260	100				
632259	255 295	1950	< 10	1.15	150	0.004	80	0.40	290	160				
632260	255 295	1660	40	0.50	150	0.008	60	0.40	280	160				
632261	255 295	1450	50	1.10	110	0.005	80	0.25	190	120				
632262	255 295	1360	< 10	0.60	100	0.003	110	0.20	210	120				
632263	255 295	1770	< 10	0.80	130	0.001	100	0.35	280	160				

CERTIFICATION: _____



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2700 - 145 KING ST., W.
 TORONTO, ON
 M5H 3T7

Project: RW-01-160
 Comments: ATTN: DAVE HUNT CC: MICHAEL DEHN

Page #: 1
 Tot QC Pg: 1
 Date: 10-JUL-2001
 Invoice #: A0119416
 P.O. #: RW01-160
 KH

QC DATA OF CERTIFICATE A0119416

STD/DUP/BLANK DESCRIPTION	QC TYPE	PAGE NO.	Au ppb RUSH	Ag ppm AAS	Al % (ICP)	Ba ppm (ICP)	Be ppm (ICP)	Bi ppm (ICP)	Ca % (ICP)	Cd ppm (ICP)	Co ppm (ICP)	Cr ppm (ICP)	Cu ppm (ICP)	Fe % (ICP)	K % (ICP)	Mg % (ICP)
BLANK	Blnk	1	< 5	----	----	----	----	----	----	----	----	----	----	----	----	----
BLANK	Blnk	2	< 5	----	----	----	----	----	----	----	----	----	----	----	----	----
CHEMEX MEAN	----	----	< 5	----	----	----	----	----	----	----	----	----	----	----	----	----
LT-2	Std1	1	225	----	----	----	----	----	----	----	----	----	----	----	----	----
LT-2	Std1	2	250	----	----	----	----	----	----	----	----	----	----	----	----	----
CHEMEX MEAN	----	----	230	----	----	----	----	----	----	----	----	----	----	----	----	----
SB-99	Std2	1	665	----	----	----	----	----	----	----	----	----	----	----	----	----
SB-99	Std2	2	650	----	----	----	----	----	----	----	----	----	----	----	----	----
CHEMEX MEAN	----	----	670	----	----	----	----	----	----	----	----	----	----	----	----	----
SIO2-1	Blnk	1	----	< 1	----	----	----	----	----	----	----	----	----	----	----	----
SIO2-1	Blnk	2	----	< 1	----	----	----	----	----	----	----	----	----	----	----	----
CHEMEX MEAN	----	----	----	1	----	----	----	----	----	----	----	----	----	----	----	----
SIO2-A2	Blnk	1	----	----	0.30	< 100	< 10	< 20	< 0.05	< 10	< 10	< 10	< 10	0.05	< 0.1	< 0.05
SIO2-A2	Blnk	2	----	----	0.35	< 100	< 10	< 20	< 0.05	< 10	< 10	< 10	< 10	0.05	< 0.1	< 0.05
CHEMEX MEAN	----	----	----	----	0.35	< 100	< 10	< 20	< 0.05	< 10	< 10	< 10	< 10	< 0.05	< 0.1	< 0.05
SU-1A	Std1	1	----	4	----	----	----	----	----	----	----	----	----	----	----	----
SU-1A	Std2	1	----	3	----	----	----	----	----	----	----	----	----	----	----	----
SU-1A	Std1	2	----	3	----	----	----	----	----	----	----	----	----	----	----	----
SU-1A	Std2	2	----	3	----	----	----	----	----	----	----	----	----	----	----	----
CHEMEX MEAN	----	----	----	4	----	----	----	----	----	----	----	----	----	----	----	----
SU1A-A22	Std1	1	----	----	5.70	400	< 10	< 20	3.35	< 10	380	250	9410	20.2	0.8	2.80
SU1A-A22	Std2	1	----	----	5.60	400	< 10	< 20	3.40	< 10	380	280	9370	20.3	0.8	2.80
SU1A-A22	Std1	2	----	----	5.95	300	< 10	< 20	3.35	< 10	380	270	9520	20.5	0.8	2.80
SU1A-A22	Std2	2	----	----	6.10	400	< 10	< 20	3.60	< 10	390	270	9720	20.6	0.8	2.90
CHEMEX MEAN	----	----	----	----	5.40	290	< 10	25	3.20	< 10	410	220	9670	19.10	0.8	2.70
632250	Dup1-01		< 5	< 1	9.60	700	< 10	< 20	4.00	< 10	10	100	< 10	4.30	1.1	1.40
	Orig1-01		< 5	< 1	9.55	700	< 10	< 20	4.05	< 10	10	120	< 10	4.30	1.1	1.40
632303	Dup2-01		< 5	< 1	8.40	< 100	< 10	< 20	7.10	< 10	60	300	220	8.20	0.5	5.15
	Orig2-01		< 5	< 1	8.60	< 100	< 10	< 20	7.30	< 10	50	320	220	8.55	0.5	5.45

CERTIFICATION: _____



ALS Chemex

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2700 - 145 KING ST., W.
 TORONTO, ON
 M5H 3T7

Page #
 Tot QC Pg: 10-JUL-2001
 Date: 10119416
 Invoice #: RW01-160
 P.O. #: IKH

Project: RW-01-160
 Comments: ATTN: DAVE HUNT CC: MICHAEL DEHN

QC DATA OF CERTIFICATE A0119416

STD/DUP/BLANK DESCRIPTION	QC PAGE TYPE NO.	Mn ppm (ICP)	Mo ppm (ICP)	Na % (ICP)	Ni ppm (ICP)	Pb % AAS	Sr ppm (ICP)	Ti % (ICP)	V ppm (ICP)	Zn ppm (ICP)					
BLANK	Blnk 1	----	----	----	----	----	----	----	----	----					
BLANK	Blnk 2	----	----	----	----	----	----	----	----	----					
CHEMEX MEAN	---	----	----	----	----	----	----	----	----	----					
LT-2	Std1 1	----	----	----	----	----	----	----	----	----					
LT-2	Std1 2	----	----	----	----	----	----	----	----	----					
CHEMEX MEAN	---	----	----	----	----	----	----	----	----	----					
SB-99	Std2 1	----	----	----	----	----	----	----	----	----					
SB-99	Std2 2	----	----	----	----	----	----	----	----	----					
CHEMEX MEAN	---	----	----	----	----	----	----	----	----	----					
SIO2-1	Blnk 1	----	----	----	----	< 0.001	----	----	----	----					
SIO2-1	Blnk 2	----	----	----	----	< 0.001	----	----	----	----					
CHEMEX MEAN	---	----	----	----	----	0.001	----	----	----	----					
SIO2-A2	Blnk 1	< 10	< 10	< 0.05	< 10	----	240	< 0.05	< 10	< 20					
SIO2-A2	Blnk 2	< 10	< 10	< 0.05	< 10	----	260	< 0.05	< 10	< 20					
CHEMEX MEAN	---	< 10	< 10	< 0.05	< 10	----	240	< 0.05	< 10	< 20					
SU-1A	Std1 1	----	----	----	----	0.006	----	----	----	----					
SU-1A	Std2 1	----	----	----	----	0.008	----	----	----	----					
SU-1A	Std1 2	----	----	----	----	0.006	----	----	----	----					
SU-1A	Std2 2	----	----	----	----	0.006	----	----	----	----					
CHEMEX MEAN	---	----	----	----	----	0.010	----	----	----	----					
SU1A-A22	Std1 1	960	< 10	1.45	11660	----	240	0.30	120	180					
SU1A-A22	Std2 1	930	< 10	1.40	11230	----	220	0.30	120	180					
SU1A-A22	Std1 2	1020	< 10	1.45	11790	----	210	0.30	120	200					
SU1A-A22	Std2 2	1010	< 10	1.45	11620	----	230	0.30	120	200					
CHEMEX MEAN	---	1070	< 10	1.35	12330	----	220	0.29	110	208					
632250	Dup1-01	650	< 10	3.80	< 10	< 0.001	1010	0.30	100	80					
	Orig1-01	640	< 10	3.85	10	0.001	1010	0.30	100	80					
632303	Dup2-01	1380	10	1.75	140	< 0.001	120	0.35	260	80					
	Orig2-01	1460	< 10	1.80	150	< 0.001	100	0.35	260	80					

CERTIFICATION: Michael Dehn



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TO: GOLDCORP INC.

2700 - 145 KING ST., W.
 TORONTO, ON
 M5H 3T7

A0119416

Comments: ATTN: DAVE HUNT CC: MICHAEL DEHN

CERTIFICATE

A0119416

(IKH) - GOLDCORP INC.

Project: RW-01-160
 P.O. #: RW01-160

Samples submitted to our lab in Thunder Bay, ON.
 This report was printed on 10-JUL-2001.

SAMPLE PREPARATION

METHOD CODE	NUMBER SAMPLES	DESCRIPTION
255	84	RUSH Geo ring to approx 150 mesh
295	84	RUSH crush and split (0-3 Kg)
3202	84	Rock - save entire reject
290	84	Assay HF ICP digestion charge

ANALYTICAL PROCEDURES

METHOD CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
Au-AA23r	84	Au ppb: Fuse 30 g sample	FA-AAS	5	10000
1263	84	Ag ppm: high grade 24 element	AAS	1	200
4031	84	Al %: A22 ICP package	ICP-AES	0.05	30.0
4032	84	Ba ppm: A22 ICP package	ICP-AES	100	50000
4033	84	Be ppm: A22 ICP package	ICP-AES	10	10000
4034	84	Bi ppm: A22 ICP package	ICP-AES	20	50000
4035	84	Ca %: A22 ICP package	ICP-AES	0.05	30.0
4036	84	Cd ppm: A22 ICP package	ICP-AES	10	10000
4037	84	Co ppm: A22 ICP package	ICP-AES	10	100000
4038	84	Cr ppm: A22 ICP package	ICP-AES	10	100000
4039	84	Cu ppm: A22 ICP package	ICP-AES	10	100000
4040	84	Fe %: A22 ICP package	ICP-AES	0.05	30.0
4041	84	K %: A22 ICP package	ICP-AES	0.1	20.0
4042	84	Mg %: A22 ICP package	ICP-AES	0.05	30.0
4043	84	Mn ppm: A22 ICP package	ICP-AES	10	100000
4044	84	Mo ppm: A22 ICP package	ICP-AES	10	100000
4045	84	Na %: A22 ICP package	ICP-AES	0.05	20.0
4046	84	Ni ppm: A22 ICP package	ICP-AES	10	100000
4075	84	Pb %: high grade 24 element	AAS	0.001	10.00
4047	84	Sr ppm: A22 ICP package	ICP-AES	10	100000
4048	84	Ti %: A22 ICP package	ICP-AES	0.05	20.0
4049	84	V ppm: A22 ICP package	ICP-AES	10	50000
4050	84	Zn ppm: A22 ICP package	ICP-AES	20	100000



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TO: GOLDCORP INC.

2700 - 145 KING ST., W.
 TORONTO, ON
 M5H 3T7

Project: RW-01-160
 Comments: ATTN: DAVE HUNT CC: MICHAEL DEHN

Page Number: 1-A
 Total Pages: 13
 Certificate Date: 10-JUL-2001
 Invoice No.: I0119416
 P.O. Number: RW01-160
 Account: MKH

CERTIFICATE OF ANALYSIS A0119416

SAMPLE	PREP CODE	Au ppb RUSH	Ag ppm AAS	Al % (ICP)	Ba ppm (ICP)	Be ppm (ICP)	Bi ppm (ICP)	Ca % (ICP)	Cd ppm (ICP)	Co ppm (ICP)	Cr ppm (ICP)	Cu ppm (ICP)	Fe % (ICP)	K % (ICP)	Mg % (ICP)
632250	255 295	< 5	< 1	9.55	700	< 10	< 20	4.05	< 10	10	120	< 10	4.30	1.1	1.40
632264	255 295	10	1	7.05	< 100	< 10	< 20	8.30	< 10	80	270	440	9.40	0.7	3.60
632265	255 295	10	< 1	7.25	< 100	< 10	< 20	7.90	< 10	50	250	470	9.20	0.6	3.60
632266	255 295	235	1	6.60	< 100	< 10	< 20	9.10	< 10	60	160	370	8.90	0.6	3.55
632267	255 295	10	< 1	7.45	< 100	< 10	< 20	8.75	< 10	50	200	190	8.40	0.7	3.85
632268	255 295	10	< 1	6.35	< 100	< 10	< 20	8.55	< 10	40	220	140	8.20	0.3	3.95
632269	255 295	< 5	< 1	6.85	< 100	< 10	< 20	11.95	< 10	40	230	160	6.55	0.5	3.25
632270	255 295	105	1	4.00	< 100	< 10	< 20	6.80	< 10	30	240	120	4.45	0.5	1.75
632271	255 295	30	2	6.15	< 100	< 10	< 20	6.65	< 10	30	220	130	5.20	1.1	2.25
632272	255 295	405	13	4.25	< 100	< 10	20	7.00	< 10	120	230	4290	12.35	0.7	1.75
632273	255 295	< 5	< 1	8.80	< 100	< 10	< 20	10.00	< 10	60	300	360	7.30	0.7	2.15
632274	255 295	< 5	< 1	8.75	< 100	< 10	< 20	8.85	< 10	60	330	370	8.40	0.3	2.25
632275	255 295	5	< 1	7.45	< 100	< 10	< 20	7.50	< 10	60	310	630	11.10	0.3	2.15
632276	255 295	30	1	4.80	< 100	< 10	< 20	8.40	< 10	120	140	960	22.7	0.3	2.15
632277	255 295	10	< 1	5.60	100	< 10	< 20	8.40	< 10	70	190	1190	13.40	1.0	2.20
632278	255 295	10	< 1	5.80	< 100	< 10	< 20	10.00	< 10	80	220	1370	15.35	0.1	2.25
632279	255 295	5	< 1	7.40	< 100	< 10	< 20	12.10	< 10	60	330	470	11.40	0.3	2.25
632280	255 295	< 5	< 1	8.30	100	< 10	< 20	9.20	< 10	90	320	770	8.35	0.9	2.00
632281	255 295	< 5	< 1	8.50	100	< 10	< 20	6.20	< 10	60	240	170	6.50	0.9	2.00
632282	255 295	< 5	< 1	8.45	100	< 10	< 20	6.60	< 10	80	310	130	6.70	0.8	2.30
632283	255 295	5	< 1	6.40	< 100	< 10	< 20	10.15	< 10	70	260	200	9.30	0.3	3.95
632284	255 295	< 5	< 1	7.35	< 100	< 10	< 20	8.80	< 10	90	270	280	8.60	0.5	3.80
632285	255 295	15	< 1	6.05	< 100	< 10	< 20	8.10	< 10	50	190	90	6.30	0.4	2.75
632286	255 295	5	< 1	7.35	100	< 10	< 20	8.35	< 10	50	200	110	7.40	0.7	3.50
632287	255 295	30	< 1	6.45	< 100	< 10	< 20	5.90	< 10	70	290	210	8.75	0.3	3.25
632288	255 295	< 5	< 1	7.40	100	< 10	< 20	8.25	< 10	40	290	160	8.85	0.3	3.35
632289	255 295	< 5	< 1	8.20	100	< 10	< 20	9.10	< 10	50	310	180	8.40	0.4	3.15
632290	255 295	< 5	< 1	9.00	300	< 10	< 20	10.20	< 10	40	260	170	6.55	1.1	2.70
632291	255 295	5	< 1	8.55	600	< 10	< 20	3.00	< 10	10	50	200	2.85	1.6	1.00
632292	255 295	15	< 1	2.95	< 100	< 10	< 20	5.70	< 10	50	140	350	7.05	0.2	1.35
632293	255 295	10	< 1	3.85	300	< 10	< 20	2.50	< 10	30	130	190	8.50	0.6	1.50
632294	255 295	150	< 1	1.95	< 100	< 10	< 20	5.40	< 10	40	110	300	13.45	0.1	1.75
632295	255 295	20	< 1	3.65	< 100	< 10	< 20	12.60	< 10	30	140	100	4.35	0.8	2.30
632296	255 295	5	< 1	6.80	< 100	< 10	< 20	7.95	< 10	50	170	170	8.30	0.9	4.60
632297	255 295	< 5	< 1	6.20	< 100	< 10	< 20	5.60	< 10	50	240	50	7.40	0.4	4.05
632298	255 295	475	8	2.75	< 100	< 10	< 20	1.30	< 10	140	160	2840	18.05	< 0.1	2.55
632299	255 295	5	< 1	6.85	< 100	< 10	< 20	7.40	< 10	50	280	150	7.50	0.3	4.50
632300	255 295	< 5	< 1	9.35	600	< 10	< 20	3.85	< 10	10	110	10	4.15	1.1	1.35
632301	255 295	< 5	< 1	3.60	< 100	< 10	< 20	10.75	< 10	20	260	110	3.60	0.2	2.05
632302	255 295	< 5	< 1	7.00	< 100	< 10	< 20	7.85	< 10	50	290	110	7.75	0.3	4.75

CERTIFICATION: _____



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FOR: GOLD CORP.

2700 - 145 KING ST., W.
 TORONTO, ON
 M5H 3T7

Project: RW-01-160
 Comments: ATTN: DAVE HUNT CC: MICHAEL DEHN

Jumb -B
 Total Pages 3
 Certificate Date: 10-JUL-2001
 Invoice No. 10119416
 P.O. Number RW01-160
 Account IKH

CERTIFICATE OF ANALYSIS A0119416

SAMPLE	PREP CODE	Mn ppm (ICP)	Mo ppm (ICP)	Na % (ICP)	Ni ppm (ICP)	Pb % AAS	Sr ppm (ICP)	Ti % (ICP)	V ppm (ICP)	Zn ppm (ICP)				
632250	255 295	640	< 10	3.85	10	0.001	1010	0.30	100	80				
632264	255 295	1730	< 10	1.15	110	< 0.001	70	0.40	280	80				
632265	255 295	1410	< 10	1.10	90	< 0.001	80	0.40	270	60				
632266	255 295	4490	< 10	1.10	90	< 0.001	60	0.35	250	560				
632267	255 295	2230	< 10	1.35	100	< 0.001	80	0.40	280	100				
632268	255 295	2520	< 10	1.20	90	< 0.001	60	0.40	260	100				
632269	255 295	1850	< 10	0.95	110	0.001	70	0.35	240	80				
632270	255 295	1190	< 10	0.85	70	0.008	60	0.20	170	180				
632271	255 295	1420	< 10	1.35	110	0.005	20	0.30	220	220				
632272	255 295	4080	< 10	0.90	140	0.008	30	0.20	190	100				
632273	255 295	1880	< 10	1.15	130	0.001	60	0.45	270	60				
632274	255 295	1670	< 10	1.20	150	< 0.001	40	0.45	320	60				
632275	255 295	1600	< 10	0.90	150	< 0.001	60	0.35	300	60				
632276	255 295	1820	< 10	0.45	190	< 0.001	20	0.25	240	40				
632277	255 295	1830	< 10	0.55	130	< 0.001	10	0.25	210	40				
632278	255 295	2060	< 10	0.35	130	< 0.001	50	0.30	230	40				
632279	255 295	2620	< 10	0.55	140	< 0.001	50	0.30	270	60				
632280	255 295	1550	< 10	1.00	160	< 0.001	60	0.35	290	60				
632281	255 295	1270	< 10	0.90	140	< 0.001	70	0.35	320	80				
632282	255 295	1470	< 10	1.00	150	< 0.001	70	0.40	330	100				
632283	255 295	2300	< 10	0.90	160	< 0.001	50	0.30	250	80				
632284	255 295	1910	< 10	1.30	160	< 0.001	60	0.35	290	80				
632285	255 295	1460	< 10	1.55	100	0.001	50	0.30	220	100				
632286	255 295	1800	< 10	1.90	120	< 0.001	70	0.35	260	80				
632287	255 295	1620	< 10	1.15	160	0.004	70	0.30	230	100				
632288	255 295	1920	< 10	1.80	110	< 0.001	70	0.35	280	80				
632289	255 295	1830	< 10	1.75	120	< 0.001	120	0.40	280	80				
632290	255 295	1560	< 10	1.20	100	< 0.001	320	0.40	240	40				
632291	255 295	340	< 10	2.65	10	< 0.001	280	0.20	60	60				
632292	255 295	870	< 10	0.30	50	< 0.001	40	0.05	30	20				
632293	255 295	860	< 10	< 0.05	50	< 0.001	< 10	0.05	10	40				
632294	255 295	1840	< 10	0.05	50	< 0.001	< 10	0.05	50	20				
632295	255 295	720	< 10	0.45	80	< 0.001	40	0.20	130	60				
632296	255 295	1160	< 10	1.60	120	< 0.001	100	0.35	250	80				
632297	255 295	1020	< 10	1.40	130	< 0.001	70	0.35	230	80				
632298	255 295	2140	< 10	< 0.05	80	< 0.001	< 10	0.10	100	40				
632299	255 295	1140	< 10	1.40	120	< 0.001	110	0.30	240	80				
632300	255 295	620	< 10	3.70	< 10	0.001	960	0.25	90	80				
632301	255 295	770	< 10	0.80	50	< 0.001	40	0.10	110	20				
632302	255 295	1220	< 10	1.55	130	< 0.001	100	0.30	250	80				

CERTIFICATION: _____



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TO: GOLDCORP INC.

2700 - 145 KING ST., W.
 TORONTO, ON
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Page Number: 1-A
 Total Pages: 10
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Project: RW-01-160
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CERTIFICATE OF ANALYSIS A0119416

SAMPLE	PREP CODE	Au ppb RUSH	Ag ppm AAS	Al % (ICP)	Ba ppm (ICP)	Be ppm (ICP)	Bi ppm (ICP)	Ca % (ICP)	Cd ppm (ICP)	Co ppm (ICP)	Cr ppm (ICP)	Cu ppm (ICP)	Fe % (ICP)	K % (ICP)	Mg % (ICP)
632303	255 295	< 5	< 1	8.60	< 100	< 10	< 20	7.30	< 10	50	320	220	8.55	0.5	5.45
632304	255 295	< 5	< 1	7.85	< 100	< 10	< 20	7.85	< 10	50	310	160	8.20	0.4	5.00
632305	255 295	< 5	< 1	7.45	< 100	< 10	< 20	7.05	< 10	50	290	150	7.70	0.3	4.90
632306	255 295	15	< 1	2.35	< 100	< 10	< 20	7.10	< 10	20	120	370	11.65	< 0.1	4.10
632307	255 295	35	< 1	2.55	< 100	< 10	< 20	5.95	< 10	30	140	290	10.75	0.1	4.00
632308	255 295	20	< 1	7.35	100	< 10	< 20	5.50	< 10	40	220	160	7.80	1.5	5.25
632309	255 295	5	4	8.15	< 100	< 10	< 20	5.00	< 10	60	240	150	9.95	1.1	5.70
632310	255 295	275	24	7.30	100	< 10	< 20	1.50	40	50	310	540	10.30	2.5	2.25
632311	255 295	< 5	5	8.30	100	< 10	< 20	4.40	< 10	50	260	170	8.60	2.1	5.35
632312	255 295	15	3	7.55	100	< 10	< 20	5.85	< 10	40	260	150	8.40	1.4	4.85
632313	255 295	200	6	4.60	< 100	< 10	< 20	6.90	< 10	40	270	650	5.35	1.0	2.80
632314	255 295	10	< 1	7.30	< 100	< 10	< 20	7.60	< 10	50	250	180	7.60	0.6	4.70
632315	255 295	20	< 1	7.60	< 100	< 10	< 20	6.15	< 10	60	250	140	7.80	0.6	4.75
632316	255 295	5	< 1	7.85	< 100	< 10	< 20	6.80	< 10	50	260	120	7.60	0.6	4.55
632317	255 295	130	2	8.45	300	< 10	< 20	3.25	10	10	70	200	3.70	2.0	1.50
632318	255 295	< 5	< 1	9.05	400	< 10	< 20	3.75	< 10	10	50	80	2.65	2.2	1.10
632319	255 295	10	< 1	8.65	400	< 10	< 20	2.40	< 10	10	60	170	3.05	2.8	1.05
632320	255 295	5	< 1	8.50	400	< 10	< 20	3.55	< 10	10	80	150	2.85	2.2	0.95
632321	255 295	10	1	8.05	< 100	< 10	< 20	6.70	< 10	50	270	150	8.45	0.8	4.75
632322	255 295	10	< 1	7.15	< 100	< 10	< 20	5.70	< 10	50	280	80	7.55	0.3	4.50
632323	255 295	20	< 1	5.40	< 100	< 10	< 20	5.30	< 10	30	310	220	5.75	0.5	3.25
632324	255 295	545	< 1	6.50	< 100	< 10	< 20	6.70	< 10	60	210	440	10.00	0.3	4.45
632325	255 295	50	14	6.85	< 100	< 10	< 20	5.90	< 10	40	210	2120	14.25	1.3	3.75
632326	255 295	< 5	< 1	9.20	700	< 10	< 20	6.25	< 10	20	120	60	3.70	2.2	1.80
632327	255 295	65	9	7.15	< 100	< 10	< 20	6.15	< 10	50	190	870	8.00	1.0	4.40
632328	255 295	25	21	6.90	< 100	< 10	< 20	6.10	< 10	40	200	2550	9.25	1.1	4.20
632329	255 295	30	8	6.70	< 100	< 10	< 20	5.80	< 10	40	170	1640	8.90	1.1	3.65
632330	255 295	20	1	7.60	< 100	< 10	< 20	5.45	< 10	60	140	330	8.95	1.2	4.30
632331	255 295	15	< 1	8.85	500	< 10	< 20	6.10	< 10	20	100	160	3.70	2.3	1.85
632332	255 295	60	1	7.20	< 100	< 10	< 20	5.75	< 10	60	150	840	9.55	1.3	4.10
632333	255 295	85	6	7.50	< 100	< 10	< 20	5.10	< 10	60	210	2630	12.80	1.1	3.95
632334	255 295	15	5	7.20	< 100	< 10	< 20	6.75	< 10	50	190	1090	9.05	0.6	3.95
632335	255 295	< 5	< 1	7.75	< 100	< 10	< 20	6.00	< 10	70	200	230	9.10	0.4	4.55
632336	255 295	50	4	8.00	300	< 10	< 20	6.80	60	60	230	280	8.45	2.2	3.10
632337	255 295	10	< 1	7.95	200	< 10	< 20	7.15	< 10	60	160	240	12.75	1.4	3.05
632338	255 295	10	< 1	7.80	300	< 10	< 20	6.60	< 10	60	160	200	12.80	1.3	2.95
632339	255 295	5	< 1	8.50	100	< 10	< 20	7.55	< 10	60	170	180	10.40	0.8	2.65
632340	255 295	< 5	< 1	6.05	< 100	< 10	< 20	16.90	< 10	40	110	80	8.25	0.5	2.05
632341	255 295	< 5	< 1	4.80	< 100	< 10	< 20	15.40	< 10	30	80	80	6.70	0.2	2.60
632342	255 295	< 5	< 1	6.50	100	< 10	< 20	10.55	< 10	50	190	80	7.90	0.3	3.30

CERTIFICATION: 



ALS Chemex

Aurora Laboratory Services Ltd.
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G ORP

2700 - 145 KING ST., W.
 TORONTO, ON
 M5H 3T7

Form Number: B
 Total Pages: 5
 Certificate Date: 10-JUL-2001
 Invoice No.: 10119416
 P.O. Number: RW01-160
 Account: IKH

Project: RW-01-160
 Comments: ATTN: DAVE HUNT CC: MICHAEL DEHN

CERTIFICATE OF ANALYSIS A0119416

SAMPLE	PREP CODE	Mn ppm (ICP)	Mo ppm (ICP)	Na % (ICP)	Ni ppm (ICP)	Pb % AAS	Sr ppm (ICP)	Ti % (ICP)	V ppm (ICP)	Zn ppm (ICP)					
632303	255 295	1460	< 10	1.80	150	< 0.001	100	0.35	260	80					
632304	255 295	1320	< 10	1.25	130	< 0.001	80	0.30	240	80					
632305	255 295	1290	< 10	1.50	140	< 0.001	90	0.30	240	80					
632306	255 295	980	< 10	0.05	40	< 0.001	30	0.05	70	40					
632307	255 295	940	10	0.20	50	< 0.001	30	0.05	80	40					
632308	255 295	1460	40	1.05	130	0.001	100	0.30	250	120					
632309	255 295	1860	< 10	1.30	150	< 0.001	70	0.35	260	120					
632310	255 295	4490	< 10	0.05	130	0.358	40	0.30	240	4100					
632311	255 295	2240	< 10	1.15	150	0.007	110	0.30	250	240					
632312	255 295	2120	< 10	0.90	130	0.003	90	0.30	230	120					
632313	255 295	1510	< 10	0.25	90	0.005	90	0.20	150	360					
632314	255 295	1850	< 10	1.90	130	0.001	140	0.30	220	120					
632315	255 295	1400	< 10	1.60	130	0.003	170	0.30	240	120					
632316	255 295	1470	< 10	1.45	130	0.004	140	0.30	240	140					
632317	255 295	590	< 10	1.80	20	0.049	210	0.20	70	1340					
632318	255 295	490	< 10	2.35	10	< 0.001	280	0.20	60	60					
632319	255 295	430	< 10	1.45	10	0.003	130	0.15	60	140					
632320	255 295	480	< 10	2.25	< 10	< 0.001	220	0.15	50	60					
632321	255 295	1690	10	1.35	140	0.002	120	0.30	240	120					
632322	255 295	1490	< 10	1.35	110	0.001	70	0.30	230	120					
632323	255 295	1170	< 10	0.80	100	< 0.001	70	0.20	180	80					
632324	255 295	3500	< 10	1.10	130	< 0.001	70	0.25	210	100					
632325	255 295	12990	< 10	0.55	110	0.001	50	0.30	230	120					
632326	255 295	660	10	4.00	50	< 0.001	1670	0.40	80	80					
632327	255 295	2410	< 10	1.50	130	0.003	120	0.30	230	100					
632328	255 295	6240	< 10	1.30	120	0.004	100	0.30	220	100					
632329	255 295	4510	< 10	1.20	110	0.003	90	0.25	210	100					
632330	255 295	2460	10	1.80	140	0.001	140	0.35	250	120					
632331	255 295	780	< 10	4.65	50	0.001	790	0.35	80	80					
632332	255 295	4010	< 10	1.45	120	< 0.001	150	0.40	260	1580					
632333	255 295	5360	< 10	1.05	130	0.008	70	0.40	250	200					
632334	255 295	1830	< 10	1.80	120	< 0.001	80	0.40	270	100					
632335	255 295	1460	< 10	2.05	130	< 0.001	100	0.40	270	120					
632336	255 295	2130	< 10	0.15	120	0.273	40	0.45	270	5380					
632337	255 295	3510	10	0.85	140	0.001	190	0.45	320	160					
632338	255 295	3340	< 10	0.95	130	< 0.001	210	0.45	300	120					
632339	255 295	2900	< 10	1.55	70	0.005	60	0.70	400	160					
632340	255 295	4220	< 10	1.10	50	< 0.001	40	0.50	270	60					
632341	255 295	3350	< 10	0.85	50	< 0.001	50	0.35	200	60					
632342	255 295	2580	< 10	1.20	70	< 0.001	70	0.50	280	60					

CERTIFICATION: _____



ALS Chemex

Aurora Laboratory Services Ltd.
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TO: GOLDCORP INC.
 2700 - 145 KING ST., W.
 TORONTO, ON
 M5H 3T7

Form Number: A
 Total Pages: 3
 Certificate Date: 10-JUL-2001
 Invoice No.: 10119416
 P.O. Number: RW01-160
 Account: IKH

Project: RW-01-160
 Comments: ATTN: DAVE HUNT CC: MICHAEL DEHN

CERTIFICATE OF ANALYSIS A0119416

SAMPLE	PREP CODE	Au ppb RUSH	Ag ppm AAS	Al % (ICP)	Ba ppm (ICP)	Be ppm (ICP)	Bi ppm (ICP)	Ca % (ICP)	Cd ppm (ICP)	Co ppm (ICP)	Cr ppm (ICP)	Cu ppm (ICP)	Fe % (ICP)	K % (ICP)	Mg % (ICP)
632343	255 295	< 5	< 1	7.25	100	< 10	< 20	11.55	< 10	50	140	130	8.30	0.3	3.25
632344	255 295	< 5	< 1	6.75	< 100	< 10	< 20	13.30	< 10	40	150	80	7.70	0.1	3.50
632345	255 295	10	< 1	7.45	< 100	< 10	< 20	12.85	< 10	60	180	190	8.65	0.2	3.70
632346	255 295	10	< 1	7.10	< 100	< 10	< 20	11.80	< 10	50	190	200	8.95	0.2	3.85

CERTIFICATION: _____



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2700 - 145 KING ST., W.
 TORONTO, ON
 M5H 3T7

Project: RW-01-160
 Comments: ATTN: DAVE HUNT CC: MICHAEL DEHN

Jumb B
 Total Pages : 3
 Certificate Date: 10-JUL-2001
 Invoice No. : 10119416
 P.O. Number : RW01-160
 Account : IKH

CERTIFICATE OF ANALYSIS A0119416

SAMPLE	PREP CODE	Mn ppm (ICP)	Mo ppm (ICP)	Na % (ICP)	Ni ppm (ICP)	Pb % AAS	Sr ppm (ICP)	Ti % (ICP)	V ppm (ICP)	Zn ppm (ICP)					
632343	255 295	2720	< 10	1.40	80	< 0.001	90	0.55	310	100					
632344	255 295	2630	10	1.25	60	< 0.001	110	0.50	280	80					
632345	255 295	2340	< 10	1.10	100	< 0.001	110	0.50	290	100					
632346	255 295	1970	< 10	1.10	110	< 0.001	100	0.45	280	100					

CERTIFICATION: *[Signature]*



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 PHONE: 905-624-2806 FAX: 905-624-6163

To: GOLDCORP INC.
 2700 - 145 KING ST., W.
 TORONTO, ON
 M5H 3T7

Project: ROWAN
 Comments: ATTN: DAVE HUNT CC: MICHAEL DEHN

QC Page #: 1-A
 Tot QC Pg: 1
 Date: 13-JUL-2001
 Invoice #: I0119668
 P.O. #: RW01-161
 IKH

QC DATA OF CERTIFICATE A0119668

STD/DUP/BLANK DESCRIPTION	QC PAGE TYPE NO.	Au ppb RUSH	Ag ppm AAS	Al % (ICP)	Ba ppm (ICP)	Be ppm (ICP)	Bi ppm (ICP)	Ca % (ICP)	Cd ppm (ICP)	Co ppm (ICP)	Cr ppm (ICP)	Cu ppm (ICP)	Fe % (ICP)	K % (ICP)	Mg % (ICP)
BLANK	Blnk	1	< 5	----	----	----	----	----	----	----	----	----	----	----	----
CHEMEX MEAN	---	---	< 5	----	----	----	----	----	----	----	----	----	----	----	----
LT-2	Std1	1	200	----	----	----	----	----	----	----	----	----	----	----	----
LT-2	Std1	2	240	----	----	----	----	----	----	----	----	----	----	----	----
CHEMEX MEAN	---	---	230	----	----	----	----	----	----	----	----	----	----	----	----
SB-99	Std2	1	625	----	----	----	----	----	----	----	----	----	----	----	----
CHEMEX MEAN	---	---	670	----	----	----	----	----	----	----	----	----	----	----	----
SIO2-1	Blnk	1	----	< 1	----	----	----	----	----	----	----	----	----	----	----
CHEMEX MEAN	---	---	----	1	----	----	----	----	----	----	----	----	----	----	----
SIO2-A2	Blnk	1	----	0.25	< 100	< 10	< 20	< 0.05	< 10	< 10	< 10	10	0.05	< 0.1	< 0.05
CHEMEX MEAN	---	---	----	0.35	< 100	< 10	< 20	< 0.05	< 10	< 10	< 10	< 10	< 0.05	< 0.1	< 0.05
SU-1A	Std1	1	----	5	----	----	----	----	----	----	----	----	----	----	----
SU-1A	Std2	1	----	4	----	----	----	----	----	----	----	----	----	----	----
SU-1A	Std1	2	----	4	----	----	----	----	----	----	----	----	----	----	----
CHEMEX MEAN	---	---	----	4	----	----	----	----	----	----	----	----	----	----	----
SU1A-A22	Std1	1	----	5.70	300	< 10	< 20	3.50	< 10	370	240	9070	19.15	0.8	2.70
SU1A-A22	Std2	1	----	5.80	300	< 10	< 20	3.50	< 10	370	250	9300	19.35	0.8	2.75
SU1A-A22	Std1	2	----	5.75	300	< 10	< 20	3.35	< 10	360	230	8870	18.70	0.7	2.65
CHEMEX MEAN	---	---	----	5.40	290	< 10	25	3.20	< 10	410	220	9670	19.10	0.8	2.70
632347	Dupl-01	5	< 1	4.90	1800	< 10	< 20	10.15	< 10	30	40	630	1.65	3.1	0.70
	Origl-01	5	< 1	4.65	1700	< 10	< 20	9.75	< 10	30	100	590	1.70	3.0	0.65

CERTIFICATION: _____



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Page #: B
 Tot QC Pg: 1
 Date: 13-JUL-2001
 Invoice #: I0119668
 P.O. #: RW01-161
 IKH

Project: ROWAN
 Comments: ATTN: DAVE HUNT CC: MICHAEL DEHN

QC DATA OF CERTIFICATE

A0119668

STD/DUP/BLANK DESCRIPTION	QC TYPE	PAGE NO.	Mn ppm (ICP)	Mo ppm (ICP)	Na % (ICP)	Ni ppm (ICP)	Pb % AAS	Sr ppm (ICP)	Ti % (ICP)	V ppm (ICP)	Zn ppm (ICP)					
BLANK CHEMEX MEAN	Blnk	1	----	----	----	----	----	----	----	----	----					
LT-2	Std1	1	----	----	----	----	----	----	----	----	----					
LT-2 CHEMEX MEAN	Std1	2	----	----	----	----	----	----	----	----	----					
SB-99 CHEMEX MEAN	Std2	1	----	----	----	----	----	----	----	----	----					
SIO2-1 CHEMEX MEAN	Blnk	1	----	----	----	----	0.001	----	----	----	----					
SIO2-A2 CHEMEX MEAN	Blnk	1	< 10	< 10	< 0.05	< 10	----	150	< 0.05	< 10	< 20					
SU-1A CHEMEX MEAN	Std1	1	----	----	----	----	0.008	----	----	----	----					
SU-1A CHEMEX MEAN	Std2	1	----	----	----	----	0.008	----	----	----	----					
SU-1A CHEMEX MEAN	Std1	2	----	----	----	----	0.008	----	----	----	----					
SU1A-A22 CHEMEX MEAN	Std1	1	960	< 10	1.45	11030	----	220	0.30	120	180					
SU1A-A22 CHEMEX MEAN	Std2	1	990	< 10	1.35	11230	----	220	0.30	120	180					
SU1A-A22 CHEMEX MEAN	Std1	2	950	< 10	1.35	10680	----	230	0.30	110	180					
SU1A-A22 CHEMEX MEAN	---	---	1070	< 10	1.35	12330	----	220	0.29	110	208					
632347	Dupl-01	01	1500	< 10	0.70	30	< 0.001	40	0.05	60	20					
632347	Origl-01	01	1440	< 10	0.65	20	< 0.001	30	0.05	70	20					

CERTIFICATION: _____



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To: GOLDCORP INC.

2700 - 145 KING ST., W.
 TORONTO, ON
 M5H 3T7

A0119668

Comments: ATTN: DAVE HUNT CC: MICHAEL DEHN

CERTIFICATE

A0119668

(IKH) - GOLDCORP INC.

Project: ROWAN
 P.O. #: RW01-161

Samples submitted to our lab in Thunder Bay, ON.
 This report was printed on 13-JUL-2001.

SAMPLE PREPARATION

METHOD CODE	NUMBER SAMPLES	DESCRIPTION
255	46	RUSH Geo ring to approx 150 mesh
295	46	RUSH crush and split (0-3 Kg)
3202	46	Rock - save entire reject
290	46	Assay HF ICP digestion charge

ANALYTICAL PROCEDURES

METHOD CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
Au-AA23r	46	Au ppb: Fuse 30 g sample	FA-AAS	5	10000
1263	46	Ag ppm: high grade 24 element	AAS	1	200
4031	46	Al %: A22 ICP package	ICP-AES	0.05	30.0
4032	46	Ba ppm: A22 ICP package	ICP-AES	100	50000
4033	46	Be ppm: A22 ICP package	ICP-AES	10	10000
4034	46	Bi ppm: A22 ICP package	ICP-AES	20	50000
4035	46	Ca %: A22 ICP package	ICP-AES	0.05	30.0
4036	46	Cd ppm: A22 ICP package	ICP-AES	10	10000
4037	46	Co ppm: A22 ICP package	ICP-AES	10	100000
4038	46	Cr ppm: A22 ICP package	ICP-AES	10	100000
4039	46	Cu ppm: A22 ICP package	ICP-AES	10	100000
4040	46	Fe %: A22 ICP package	ICP-AES	0.05	30.0
4041	46	K %: A22 ICP package	ICP-AES	0.1	20.0
4042	46	Mg %: A22 ICP package	ICP-AES	0.05	30.0
4043	46	Mn ppm: A22 ICP package	ICP-AES	10	100000
4044	46	Mo ppm: A22 ICP package	ICP-AES	10	100000
4045	46	Na %: A22 ICP package	ICP-AES	0.05	20.0
4046	46	Ni ppm: A22 ICP package	ICP-AES	10	100000
4075	46	Pb %: high grade 24 element	AAS	0.001	10.00
4047	46	Sr ppm: A22 ICP package	ICP-AES	10	100000
4048	46	Ti %: A22 ICP package	ICP-AES	0.05	20.0
4049	46	V ppm: A22 ICP package	ICP-AES	10	50000
4050	46	Zn ppm: A22 ICP package	ICP-AES	20	100000



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TO: GOLDCORP INC.

2700 - 145 KING ST., W.
 TORONTO, ON
 M5H 3T7

Page Number: A
 Total Pages: 2
 Certificate Date: 13-JUL-2001
 Invoice No.: 0119668
 P.O. Number: RW01-161
 Account: IKH

Project: ROWAN
 Comments: ATTN: DAVE HUNT CC: MICHAEL DEHN

CERTIFICATE OF ANALYSIS A0119668

SAMPLE	PREP CODE	Au ppb RUSH	Ag ppm AAS	Al % (ICP)	Ba ppm (ICP)	Be ppm (ICP)	Bi ppm (ICP)	Ca % (ICP)	Cd ppm (ICP)	Co ppm (ICP)	Cr ppm (ICP)	Cu ppm (ICP)	Fe % (ICP)	K % (ICP)	Mg % (ICP)
632347	255 295	5	< 1	4.65	1700	< 10	< 20	9.75	< 10	30	100	590	1.70	3.0	0.65
632348	255 295	< 5	< 1	8.35	1300	< 10	< 20	8.75	< 10	40	170	380	5.65	1.7	3.05
632349	255 295	10	1	6.25	900	< 10	< 20	7.80	< 10	50	120	540	3.55	0.9	1.95
632350	255 295	15	< 1	9.30	700	< 10	< 20	4.10	< 10	10	100	10	4.20	1.2	1.35
632351	255 295	< 5	< 1	3.90	3900	< 10	< 20	14.45	< 10	20	170	40	2.90	0.6	1.90
632352	255 295	< 5	< 1	4.30	100	< 10	< 20	5.60	< 10	30	270	130	4.15	0.1	2.45
632353	255 295	< 5	< 1	5.80	< 100	< 10	< 20	14.10	< 10	40	90	110	7.00	< 0.1	2.45
632354	255 295	< 5	< 1	5.40	< 100	< 10	< 20	14.15	< 10	40	60	110	6.95	< 0.1	2.55
632355	255 295	< 5	< 1	7.40	100	< 10	< 20	8.75	< 10	50	120	130	6.75	0.1	2.85
632356	255 295	< 5	< 1	6.00	< 100	< 10	< 20	8.55	< 10	40	100	140	5.50	0.1	3.25
632357	255 295	640	119	5.30	< 100	< 10	40	7.70	30	50	80	2870	12.60	0.4	2.40
632358	255 295	55	6	7.00	100	< 10	< 20	5.65	< 10	40	80	470	10.80	1.0	2.40
632359	255 295	65	4	7.25	< 100	< 10	< 20	6.75	< 10	50	70	280	7.00	1.1	2.55
632360	255 295	5	1	7.35	< 100	< 10	< 20	10.85	< 10	90	190	410	6.30	0.4	3.40
632361	255 295	40	3	6.85	< 100	< 10	< 20	9.00	< 10	40	150	470	7.35	0.7	3.05
632362	255 295	105	3	6.75	< 100	< 10	< 20	9.00	< 10	60	150	270	6.95	0.7	2.75
632363	255 295	25	1	6.45	< 100	< 10	< 20	10.30	< 10	40	230	120	5.95	0.3	3.30
632364	255 295	20	1	5.45	< 100	< 10	< 20	7.50	< 10	40	350	270	5.00	0.6	3.10
632365	255 295	125	3	6.10	< 100	< 10	20	8.15	< 10	70	210	800	6.95	0.6	2.80
632366	255 295	< 5	< 1	8.30	< 100	< 10	< 20	8.30	< 10	50	220	400	5.55	0.8	2.80
632367	255 295	5	1	6.95	< 100	< 10	< 20	10.05	< 10	50	180	260	5.20	0.7	2.85
632368	255 295	105	1	6.30	< 100	< 10	< 20	8.90	< 10	60	240	450	6.10	1.7	1.75
632369	255 295	115	6	5.70	< 100	< 10	< 20	10.50	< 10	130	80	1080	9.25	0.9	2.25
632370	255 295	35	3	7.15	< 100	< 10	< 20	9.95	< 10	50	160	630	7.95	1.5	2.25
632371	255 295	10	1	6.60	< 100	< 10	< 20	10.05	< 10	50	240	180	7.05	0.3	3.05
632372	255 295	< 5	< 1	7.35	< 100	< 10	< 20	12.90	< 10	40	240	210	6.75	0.3	2.45
632373	255 295	< 5	< 1	6.75	< 100	< 10	< 20	12.50	< 10	50	210	150	7.85	0.1	3.25
632374	255 295	360	3	7.70	100	< 10	< 20	6.95	80	50	210	340	8.35	1.6	2.60
632375	255 295	< 5	< 1	7.90	< 100	< 10	< 20	7.35	< 10	70	250	440	8.95	0.3	3.35
632376	255 295	10	1	6.50	< 100	< 10	< 20	7.95	< 10	80	230	530	9.75	0.3	3.15
632377	255 295	5	< 1	7.90	< 100	< 10	< 20	8.30	< 10	70	220	40	6.75	0.9	3.75
632378	255 295	10	< 1	5.30	< 100	< 10	< 20	6.75	< 10	50	160	330	8.40	0.1	2.60
632379	255 295	30	2	7.00	100	< 10	< 20	7.60	< 10	40	140	280	8.00	0.9	2.75
632380	255 295	20	< 1	6.55	< 100	< 10	< 20	8.80	< 10	50	170	850	12.15	0.1	3.20
632381	255 295	< 5	< 1	7.45	100	< 10	< 20	7.40	< 10	50	150	100	7.20	0.7	3.25
632382	255 295	< 5	< 1	6.10	< 100	< 10	< 20	9.45	< 10	50	140	220	10.75	0.1	3.60
632383	255 295	20	< 1	7.70	< 100	< 10	< 20	8.95	< 10	80	190	270	8.90	0.3	2.25
632384	255 295	15	< 1	6.40	< 100	< 10	< 20	8.15	< 10	100	180	380	11.00	0.2	2.35
632385	255 295	15	< 1	7.55	< 100	< 10	< 20	9.15	< 10	70	140	160	7.75	0.1	3.05
632386	255 295	< 5	< 1	7.30	< 100	< 10	< 20	8.05	< 10	40	240	60	7.40	0.3	4.25

CERTIFICATION: _____



ALS Chemex

Aurora Laboratory Services Ltd.
 Analytical Chemists * Geochemists * Registered Assayers
 5175 Timberlea Blvd., Mississauga
 Ontario, Canada L4W 2S3
 PHONE: 905-624-2806 FAX: 905-624-6163

TO: GOLDCORP INC.

2700 - 145 KING ST., W.
 TORONTO, ON
 M5H 3T7

Page Number : B
 Total Pages : 2
 Certificate Date: 13-JUL-2001
 Invoice No. : I0119668
 P.O. Number : RW01-161
 Account : IKH

Project : ROWAN
 Comments: ATTN: DAVE HUNT CC: MICHAEL DEHN

CERTIFICATE OF ANALYSIS A0119668

SAMPLE	PREP CODE	Mn ppm (ICP)	Mo ppm (ICP)	Na % (ICP)	Ni ppm (ICP)	Pb % AAS	Sr ppm (ICP)	Ti % (ICP)	V ppm (ICP)	Zn ppm (ICP)				
632347	255 295	1440	< 10	0.65	20	< 0.001	30	0.05	70	20				
632348	255 295	2420	< 10	2.45	80	< 0.001	50	0.45	270	120				
632349	255 295	1590	< 10	2.15	80	< 0.001	40	0.20	130	80				
632350	255 295	700	< 10	3.50	10	0.001	990	0.30	100	80				
632351	255 295	1140	< 10	0.55	60	< 0.001	40	0.10	80	20				
632352	255 295	770	< 10	0.60	170	0.001	50	0.15	110	40				
632353	255 295	2350	< 10	0.80	70	0.001	80	0.45	240	80				
632354	255 295	2670	< 10	0.70	60	0.001	80	0.40	230	80				
632355	255 295	1720	< 10	1.60	80	0.001	80	0.55	300	80				
632356	255 295	1740	< 10	1.30	70	< 0.001	40	0.45	250	80				
632357	255 295	7380	< 10	1.15	80	0.083	50	0.40	250	5520				
632358	255 295	6330	< 10	0.75	80	0.028	40	0.55	300	540				
632359	255 295	3950	< 10	1.55	90	0.012	70	0.45	300	380				
632360	255 295	2420	< 10	1.30	130	0.002	100	0.40	240	80				
632361	255 295	3320	< 10	1.10	100	0.022	50	0.35	220	240				
632362	255 295	2840	< 10	1.35	110	0.015	40	0.35	240	220				
632363	255 295	2040	< 10	1.05	100	0.003	60	0.35	230	60				
632364	255 295	1380	< 10	0.55	100	0.002	40	0.25	170	60				
632365	255 295	2290	< 10	1.15	150	0.002	40	0.30	210	60				
632366	255 295	1570	< 10	1.90	140	0.002	80	0.40	240	60				
632367	255 295	1790	< 10	1.15	110	0.002	50	0.35	220	60				
632368	255 295	2810	< 10	0.70	100	0.029	10	0.30	200	800				
632369	255 295	2520	< 10	1.00	90	0.004	40	0.20	140	220				
632370	255 295	4940	< 10	1.20	90	0.002	20	0.25	170	100				
632371	255 295	3760	< 10	1.25	110	0.001	50	0.35	220	60				
632372	255 295	2330	< 10	0.60	100	< 0.001	80	0.35	220	60				
632373	255 295	2500	< 10	0.55	120	0.001	60	0.35	220	60				
632374	255 295	3910	< 10	0.75	150	0.181	30	0.35	230	8620				
632375	255 295	2060	< 10	1.45	140	0.003	60	0.40	270	100				
632376	255 295	1850	< 10	0.95	140	0.004	50	0.30	250	140				
632377	255 295	1360	< 10	0.70	190	0.001	50	0.30	280	80				
632378	255 295	2190	< 10	0.75	120	0.005	50	0.25	180	220				
632379	255 295	2350	< 10	1.25	80	0.004	50	0.30	210	160				
632380	255 295	3640	< 10	0.30	120	0.003	100	0.35	250	120				
632381	255 295	2130	< 10	1.25	140	0.002	70	0.40	260	180				
632382	255 295	3180	< 10	0.80	100	0.001	40	0.35	310	80				
632383	255 295	2320	< 10	1.70	160	0.002	60	0.45	340	60				
632384	255 295	2490	< 10	1.15	130	0.002	50	0.35	280	80				
632385	255 295	2660	< 10	0.90	150	0.001	80	0.40	260	80				
632386	255 295	1210	< 10	1.10	130	0.002	70	0.30	220	100				

CERTIFICATION: _____



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Aurora Laboratory Services Ltd.
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 PHONE: 905-624-2806 FAX: 905-624-6163

TO: GOLDCORP INC.
 2700 - 145 KING ST., W.
 TORONTO, ON
 M5H 3T7

Page Number : A
 Total Pages : 2
 Certificate Date: 13-JUL-2001
 Invoice No. : I0119668
 P.O. Number : RW01-161
 Account : IKH

Project : ROWAN
 Comments: ATTN: DAVE HUNT CC: MICHAEL DEHN

CERTIFICATE OF ANALYSIS A0119668

SAMPLE	PREP CODE	Au ppb RUSH	Ag ppm AAS	Al % (ICP)	Ba ppm (ICP)	Be ppm (ICP)	Bi ppm (ICP)	Ca % (ICP)	Cd ppm (ICP)	Co ppm (ICP)	Cr ppm (ICP)	Cu ppm (ICP)	Fe % (ICP)	K % (ICP)	Mg % (ICP)
632387	255 295	10	2	4.20	< 100	< 10	< 20	2.60	< 10	30	90	310	14.40	0.6	1.90
632388	255 295	5	< 1	3.90	< 100	< 10	< 20	12.00	< 10	30	80	350	8.65	0.1	2.70
632389	255 295	20	1	5.95	< 100	< 10	< 20	3.15	< 10	50	110	280	12.85	0.3	3.10
632390	255 295	5	1	6.45	< 100	< 10	< 20	3.70	< 10	40	120	410	11.75	0.3	3.60
632391	255 295	15	1	6.65	< 100	< 10	< 20	7.45	< 10	70	120	620	9.40	0.5	4.05
632392	255 295	420	26	6.40	< 100	< 10	20	5.05	10	40	140	8830	11.30	0.8	3.55

CERTIFICATION: _____



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To: GOLDCORP INC.

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CERTIFICATE OF ANALYSIS **A0119668**

SAMPLE	PREP CODE	Mn ppm (ICP)	Mo ppm (ICP)	Na % (ICP)	Ni ppm (ICP)	Pb % AAS	Sr ppm (ICP)	Ti % (ICP)	V ppm (ICP)	Zn ppm (ICP)				
632387	255 295	1090	< 10	0.30	70	0.003	30	0.10	40	260				
632388	255 295	1660	< 10	0.30	60	0.001	80	0.15	100	80				
632389	255 295	1000	< 10	0.60	100	< 0.001	50	0.20	90	320				
632390	255 295	1210	< 10	0.55	100	< 0.001	40	0.25	130	260				
632391	255 295	1370	< 10	0.70	130	0.002	100	0.30	170	240				
632392	255 295	4310	< 10	0.80	100	0.030	50	0.35	220	1620				

CERTIFICATION: *David Jeff*



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TO: GOLDCORP INC.

2700 - 145 KING ST., W.
 TORONTO, ON
 M5H 3T7

Project: ROWAN
 Comments: ATTN: DAVE HUNT CC: MICHAEL DEHN

Lab Page #: B
 Tot QC Pg: 1
 Date: 13-JUL-2001
 Invoice #: 10119671
 P.O. #: RW01-162
 IKH

QC DATA OF CERTIFICATE A0119671

STD/DUP/BLANK DESCRIPTION	QC PAGE TYPE NO.	Mn ppm (ICP)	Mo ppm (ICP)	Na % (ICP)	Ni ppm (ICP)	Pb % AAS	Sr ppm (ICP)	Ti % (ICP)	V ppm (ICP)	Zn ppm (ICP)					
BLANK CHEMEX MEAN	Blnk ---	1	-----	-----	-----	-----	-----	-----	-----	-----	-----				
LT-2 CHEMEX MEAN	Std1 ---	1	-----	-----	-----	-----	-----	-----	-----	-----	-----				
SB-99 CHEMEX MEAN	Std2 ---	1	-----	-----	-----	-----	-----	-----	-----	-----	-----				
SIO2-1 CHEMEX MEAN	Blnk ---	1	-----	-----	-----	< 0.001 0.001	-----	-----	-----	-----	-----				
SIO2-A2 CHEMEX MEAN	Blnk ---	1	< 10 < 10	< 10 < 10	< 0.05 < 0.05	< 10 < 10	----- 150 240	< 0.05 < 0.05	< 10 < 10	< 20 < 20					
SU-1A CHEMEX MEAN	Std1 ---	1	-----	-----	-----	0.009 0.007 0.007 0.010	-----	-----	-----	-----	-----				
SU1A-A22 CHEMEX MEAN	Std1 ---	1	970	< 10	1.35	11150	-----	0.30	120	180					
SU1A-A22 CHEMEX MEAN	Std2 ---	1	1000	< 10	1.40	11290	-----	0.30	110	180					
SU1A-A22 CHEMEX MEAN	Std1 ---	2	940	< 10	1.40	10710	-----	0.30	110	200					
SU1A-A22 CHEMEX MEAN	Std1 ---	2	1070	< 10	1.35	12330	-----	0.29	110	208					
632393	Dup1-01		1040	< 10	1.20	160	< 0.001	90	0.35	220	60				
632393	Orig1-01		1060	< 10	1.30	160	< 0.001	90	0.30	230	60				
632633	Dup2-01		2200	< 10	0.90	110	< 0.001	70	0.50	280	60				
632633	Orig2-01		2110	< 10	0.80	110	< 0.001	60	0.45	270	60				

CERTIFICATION: _____



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GC DRP

2700 - 145 KING ST., W.
 TORONTO, ON
 M5H 3T7

A0119671

Comments: ATTN: DAVE HUNT CC: MICHAEL DEHN

CERTIFICATE **A0119671**

(IKH) - GOLDCORP INC.

Project: ROWAN
 P.O. #: RW01-162

Samples submitted to our lab in Thunder Bay, ON.
 This report was printed on 13-JUL-2001.

SAMPLE PREPARATION		
METHOD CODE	NUMBER SAMPLES	DESCRIPTION
255	58	RUSH Geo ring to approx 150 mesh
295	58	RUSH crush and split (0-3 Kg)
3202	58	Rock - save entire reject
290	58	Assay HF ICP digestion charge

ANALYTICAL PROCEDURES					
METHOD CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
Au-AA23r	58	Au ppb: Fuse 30 g sample	FA-AAS	5	10000
1263	58	Ag ppm: high grade 24 element	AAS	1	200
4031	58	Al %: A22 ICP package	ICP-AES	0.05	30.0
4032	58	Ba ppm: A22 ICP package	ICP-AES	100	50000
4033	58	Be ppm: A22 ICP package	ICP-AES	10	10000
4034	58	Bi ppm: A22 ICP package	ICP-AES	20	50000
4035	58	Ca %: A22 ICP package	ICP-AES	0.05	30.0
4036	58	Cd ppm: A22 ICP package	ICP-AES	10	10000
4037	58	Co ppm: A22 ICP package	ICP-AES	10	100000
4038	58	Cr ppm: A22 ICP package	ICP-AES	10	100000
4039	58	Cu ppm: A22 ICP package	ICP-AES	10	100000
4040	58	Fe %: A22 ICP package	ICP-AES	0.05	30.0
4041	58	K %: A22 ICP package	ICP-AES	0.1	20.0
4042	58	Mg %: A22 ICP package	ICP-AES	0.05	30.0
4043	58	Mn ppm: A22 ICP package	ICP-AES	10	100000
4044	58	Mo ppm: A22 ICP package	ICP-AES	10	100000
4045	58	Na %: A22 ICP package	ICP-AES	0.05	30.0
4046	58	Ni ppm: A22 ICP package	ICP-AES	10	100000
4075	58	Pb %: high grade 24 element	AAS	0.001	10.00
4047	58	Sr ppm: A22 ICP package	ICP-AES	10	100000
4048	58	Ti %: A22 ICP package	ICP-AES	0.05	20.0
4049	58	V ppm: A22 ICP package	ICP-AES	10	50000
4050	58	Zn ppm: A22 ICP package	ICP-AES	20	100000



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GOLECORP INC.

2700 - 145 KING ST., W.
 TORONTO, ON
 M5H 3T7

Form Number: A
 Total Pages: 12
 Certificate Date: 13-JUL-2001
 Invoice No.: 10119671
 P.O. Number: RW01-162
 Account: IKH

Project: ROWAN
 Comments: ATTN: DAVE HUNT CC: MICHAEL DEHN

CERTIFICATE OF ANALYSIS A0119671

SAMPLE	PREP CODE	Au ppb RUSH	Ag ppm AAS	Al % (ICP)	Ba ppm (ICP)	Be ppm (ICP)	Bi ppm (ICP)	Ca % (ICP)	Cd ppm (ICP)	Co ppm (ICP)	Cr ppm (ICP)	Cu ppm (ICP)	Fe % (ICP)	K % (ICP)	Mg % (ICP)
632393	255 295	< 5	< 1	7.45	100	< 10	< 20	6.00	< 10	50	210	50	6.80	0.9	5.60
632394	255 295	5	< 1	7.95	100	< 10	< 20	7.15	< 10	50	180	170	8.55	2.6	5.40
632395	255 295	5	< 1	6.15	< 100	< 10	< 20	8.15	< 10	40	240	100	5.70	0.7	3.45
632396	255 295	< 5	< 1	7.30	< 100	< 10	< 20	8.25	< 10	60	280	360	7.90	0.9	3.90
632397	255 295	5	< 1	7.65	< 100	< 10	< 20	8.60	< 10	70	290	470	8.65	1.0	3.65
632398	255 295	< 5	< 1	6.25	< 100	< 10	< 20	8.40	< 10	40	280	130	7.00	1.0	3.95
632399	255 295	< 5	1	7.60	< 100	< 10	< 20	8.00	< 10	50	330	120	8.20	1.0	4.20
632400	255 295	< 5	1	9.75	700	< 10	< 20	4.10	< 10	10	70	10	4.05	1.1	1.45
632601	255 295	10	< 1	6.75	< 100	< 10	< 20	8.35	< 10	50	410	330	7.70	0.7	4.10
632602	255 295	10	1	6.85	< 100	< 10	< 20	7.70	< 10	60	290	540	8.35	0.8	3.65
632603	255 295	15	< 1	6.45	< 100	< 10	< 20	11.35	< 10	40	270	70	6.60	1.1	3.35
632604	255 295	< 5	2	6.85	< 100	< 10	< 20	8.95	< 10	40	130	150	8.15	1.0	3.70
632605	255 295	5	1	4.90	< 100	< 10	< 20	8.05	< 10	50	40	240	9.50	0.9	4.25
632606	255 295	25	2	6.45	< 100	< 10	< 20	9.25	< 10	40	240	520	8.45	0.6	3.50
632607	255 295	< 5	1	6.70	< 100	< 10	< 20	8.65	< 10	40	260	140	7.60	0.6	3.65
632608	255 295	5	3	7.60	100	< 10	< 20	6.40	< 10	40	270	350	8.10	1.2	3.65
632609	255 295	15	< 1	8.40	100	< 10	< 20	6.90	< 10	50	300	320	8.15	0.8	3.25
632610	255 295	15	1	8.50	< 100	< 10	< 20	7.90	< 10	70	340	600	9.30	0.5	3.65
632611	255 295	15	< 1	8.80	< 100	< 10	< 20	8.10	< 10	50	350	520	6.55	0.6	2.70
632612	255 295	2830	< 1	8.70	100	< 10	< 20	7.30	< 10	60	330	1150	8.45	0.7	3.15
632613	255 295	40	< 1	8.40	< 100	< 10	< 20	6.70	< 10	60	330	710	8.00	0.7	3.00
632614	255 295	25	< 1	9.15	< 100	< 10	< 20	9.00	< 10	50	320	300	6.80	0.6	3.50
632615	255 295	35	< 1	6.70	< 100	< 10	< 20	11.50	< 10	40	260	190	7.10	0.1	4.10
632616	255 295	30	< 1	6.25	< 100	< 10	< 20	12.10	< 10	50	230	270	7.25	0.3	4.65
632617	255 295	380	5	3.60	< 100	< 10	< 20	12.40	< 10	40	150	630	8.95	0.7	5.45
632618	255 295	25	1	8.80	300	< 10	< 20	2.95	< 10	< 10	70	130	3.05	3.8	1.25
632619	255 295	20	< 1	7.90	300	< 10	< 20	2.35	< 10	< 10	80	50	2.75	2.9	1.25
632620	255 295	1725	1	3.15	< 100	< 10	< 20	9.70	< 10	10	100	340	11.95	0.5	8.15
632621	255 295	55	1	4.30	< 100	< 10	< 20	11.15	< 10	40	130	740	14.60	0.8	5.20
632622	255 295	90	< 1	4.75	< 100	< 10	< 20	11.35	< 10	30	160	1110	11.90	0.4	3.35
632623	255 295	120	< 1	4.55	< 100	< 10	< 20	12.25	< 10	60	130	1020	14.20	0.3	4.35
632624	255 295	45	< 1	8.20	< 100	< 10	< 20	13.00	< 10	50	250	260	7.75	0.1	2.60
632625	255 295	40	< 1	8.05	< 100	< 10	< 20	12.35	< 10	50	240	330	7.20	0.1	2.30
632626	255 295	70	< 1	5.80	< 100	< 10	< 20	14.95	< 10	60	180	580	8.10	0.1	2.65
632627	255 295	125	< 1	7.40	< 100	< 10	< 20	10.90	< 10	60	260	720	8.45	0.1	2.55
632628	255 295	175	< 1	7.95	< 100	< 10	< 20	11.90	< 10	50	250	1270	5.70	0.2	2.20
632629	255 295	120	1	8.00	< 100	< 10	< 20	11.85	< 10	50	240	520	6.00	0.3	2.85
632630	255 295	115	< 1	7.40	< 100	< 10	< 20	13.45	< 10	40	200	270	7.05	0.1	3.70
632631	255 295	60	< 1	6.85	< 100	< 10	< 20	9.25	< 10	40	170	50	5.90	0.3	2.75
632632	255 295	10	< 1	7.80	< 100	< 10	< 20	12.00	< 10	50	220	340	5.90	0.5	2.75

CERTIFICATION: _____



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 Total Pages 2
 Certificate Date: 13-JUL-2001
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 P.O. Number RW01-162
 Account IKH

Project: ROWAN
 Comments: ATTN: DAVE HUNT CC: MICHAEL DEHN

CERTIFICATE OF ANALYSIS A0119671

SAMPLE	PREP CODE	Mn ppm (ICP)	Mo ppm (ICP)	Na % (ICP)	Ni ppm (ICP)	Pb % AAS	Sr ppm (ICP)	Ti % (ICP)	V ppm (ICP)	Zn ppm (ICP)					
632393	255 295	1060	< 10	1.30	160	< 0.001	90	0.30	230	60					
632394	255 295	2570	< 10	0.45	160	0.001	30	0.30	290	780					
632395	255 295	1300	< 10	1.05	130	< 0.001	60	0.25	180	100					
632396	255 295	1420	< 10	1.10	120	0.001	70	0.30	200	80					
632397	255 295	1410	< 10	1.25	140	0.001	100	0.35	230	80					
632398	255 295	1400	< 10	0.85	120	< 0.001	40	0.30	210	80					
632399	255 295	1520	< 10	0.90	130	0.001	80	0.35	250	100					
632400	255 295	720	< 10	3.50	10	0.002	1000	0.30	100	80					
632601	255 295	1410	< 10	0.75	100	0.002	60	0.40	260	100					
632602	255 295	1490	< 10	1.00	80	0.002	70	0.60	360	80					
632603	255 295	1730	< 10	0.95	90	0.003	60	0.35	260	120					
632604	255 295	2220	< 10	0.95	80	0.006	70	0.40	270	320					
632605	255 295	1730	< 10	0.05	50	0.007	30	0.40	300	140					
632606	255 295	1830	< 10	1.05	80	0.008	60	0.30	240	240					
632607	255 295	1500	20	0.95	120	0.001	50	0.35	250	100					
632608	255 295	1980	< 10	1.65	110	0.011	60	0.35	270	160					
632609	255 295	1270	< 10	1.45	120	0.001	80	0.40	290	80					
632610	255 295	1390	< 10	0.85	150	0.001	80	0.40	310	80					
632611	255 295	1100	< 10	1.25	120	0.001	80	0.45	260	60					
632612	255 295	1260	< 10	1.20	130	0.001	60	0.40	270	80					
632613	255 295	1220	< 10	1.15	140	< 0.001	60	0.45	270	80					
632614	255 295	1690	< 10	1.10	130	< 0.001	70	0.45	290	100					
632615	255 295	1980	< 10	0.50	100	0.001	50	0.35	220	80					
632616	255 295	2110	< 10	0.30	90	0.001	50	0.30	200	80					
632617	255 295	3920	40	0.05	80	0.026	40	0.15	110	1240					
632618	255 295	1220	< 10	0.45	10	0.003	30	0.25	60	740					
632619	255 295	1150	< 10	0.95	10	0.003	60	0.20	50	700					
632620	255 295	3950	< 10	< 0.05	70	< 0.001	20	0.20	120	120					
632621	255 295	4240	< 10	0.20	110	< 0.001	30	0.25	210	100					
632622	255 295	3650	< 10	0.35	100	0.001	40	0.25	220	80					
632623	255 295	4150	< 10	0.25	110	0.001	30	0.25	190	100					
632624	255 295	3210	< 10	0.65	140	0.001	80	0.45	270	60					
632625	255 295	3160	< 10	0.90	120	< 0.001	80	0.45	250	60					
632626	255 295	2940	< 10	0.60	110	< 0.001	50	0.30	210	60					
632627	255 295	2460	< 10	1.00	110	< 0.001	70	0.40	240	60					
632628	255 295	2060	< 10	0.95	90	< 0.001	80	0.45	250	60					
632629	255 295	2500	< 10	1.15	100	0.001	80	0.45	250	60					
632630	255 295	3080	< 10	0.70	100	< 0.001	90	0.40	230	80					
632631	255 295	2190	< 10	1.05	110	< 0.001	80	0.40	220	80					
632632	255 295	2260	< 10	0.65	120	0.001	130	0.40	250	60					

CERTIFICATION: _____



ALS Chemex

Aurora Laboratory Services Ltd.
 Analytical Chemists * Geochemists * Registered Assayers
 5175 Timberlea Blvd., Mississauga
 Ontario, Canada L4W 2S3
 PHONE: 905-624-2806 FAX: 905-624-6163

2700 - 145 KING ST., W.
 TORONTO, ON
 M5H 3T7

Project : ROWAN
 Comments: ATTN: DAVE HUNT CC: MICHAEL DEHN

Form Number: A
 Total Pages: 2
 Certificate Date: 13-JUL-2001
 Invoice No.: 10119671
 P.O. Number: RW01-162
 Account: MKH

CERTIFICATE OF ANALYSIS A0119671

SAMPLE	PREP CODE	Au ppb RUSH	Ag ppm AAS	Al % (ICP)	Ba ppm (ICP)	Be ppm (ICP)	Bi ppm (ICP)	Ca % (ICP)	Cd ppm (ICP)	Co ppm (ICP)	Cr ppm (ICP)	Cu ppm (ICP)	Fe % (ICP)	K % (ICP)	Mg % (ICP)
632633	255 295	15	< 1	8.30	< 100	< 10	< 20	11.35	< 10	70	240	530	6.65	0.4	1.95
632634	255 295	25	< 1	1.05	< 100	< 10	< 20	16.25	< 10	210	30	5830	15.55	< 0.1	3.40
632635	255 295	10	< 1	5.80	< 100	< 10	< 20	11.75	< 10	120	160	830	11.25	0.3	2.80
632636	255 295	5	< 1	10.65	< 100	< 10	< 20	8.10	< 10	90	250	1290	7.90	0.5	2.70
632637	255 295	< 5	< 1	8.20	< 100	< 10	< 20	10.60	< 10	70	250	250	7.85	0.4	2.75
632638	255 295	< 5	< 1	9.35	< 100	< 10	< 20	10.00	< 10	60	280	300	6.30	0.8	2.15
632639	255 295	5	< 1	5.80	< 100	< 10	< 20	12.25	< 10	120	190	700	8.20	0.5	2.50
632640	255 295	< 5	< 1	9.25	< 100	< 10	< 20	8.90	< 10	40	280	130	6.65	0.3	2.90
632641	255 295	< 5	< 1	6.20	< 100	< 10	< 20	12.45	< 10	40	190	310	6.25	0.2	2.55
632642	255 295	10	< 1	7.10	< 100	< 10	< 20	11.20	< 10	40	200	250	6.40	0.5	2.55
632643	255 295	< 5	< 1	8.10	< 100	< 10	< 20	11.35	< 10	40	220	270	6.10	0.4	2.55
632644	255 295	25	< 1	6.15	< 100	< 10	< 20	12.35	< 10	60	170	400	6.45	0.4	2.80
632645	255 295	< 5	< 1	7.60	< 100	< 10	< 20	8.35	< 10	60	140	270	8.05	0.4	3.50
632646	255 295	340	4	6.25	100	< 10	< 20	8.10	20	40	380	280	6.65	1.6	2.65
632647	255 295	1055	31	5.20	100	< 10	< 20	7.40	140	70	140	1040	7.30	2.1	1.85
632648	255 295	30	3	5.40	< 100	< 10	< 20	11.05	< 10	180	120	1330	9.40	0.3	2.45
632649	255 295	20	< 1	6.35	< 100	< 10	< 20	10.15	< 10	130	140	780	8.60	0.3	2.85
632650	255 295	< 5	< 1	9.80	600	< 10	< 20	3.95	< 10	10	80	10	3.70	1.0	1.25

CERTIFICATION: _____



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 Analytical Chemists * Geochemists * Registered Assayers
 5175 Timberlea Blvd., Mississauga
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 PHONE: 905-624-2806 FAX: 905-624-6163

TO: GOLDCORP INC.

2700 - 145 KING ST., W.
 TORONTO, ON
 M5H 3T7

Project: ROWAN
 Comments: ATTN: DAVE HUNT CC: MICHAEL DEHN

Page Number: 3
 Total Pages: 2
 Certificate Date: 13-JUL-2001
 Invoice No.: 10119671
 P.O. Number: RW01-162
 Account: IKH

CERTIFICATE OF ANALYSIS A0119671

SAMPLE	PREP CODE	Mn ppm (ICP)	Mo ppm (ICP)	Na % (ICP)	Ni ppm (ICP)	Pb % AAS	Sr ppm (ICP)	Ti % (ICP)	V ppm (ICP)	Zn ppm (ICP)					
632633	255 295	2110	< 10	0.80	110	< 0.001	60	0.45	270	60					
632634	255 295	3400	< 10	0.05	140	< 0.001	10	0.05	80	100					
632635	255 295	2580	< 10	0.75	120	< 0.001	70	0.25	170	60					
632636	255 295	1830	< 10	1.75	160	0.001	120	0.55	300	80					
632637	255 295	2240	< 10	1.35	130	< 0.001	80	0.45	270	60					
632638	255 295	1780	< 10	1.80	120	< 0.001	90	0.45	270	60					
632639	255 295	2440	< 10	0.80	60	< 0.001	40	0.30	170	60					
632640	255 295	2200	< 10	1.80	120	< 0.001	80	0.50	280	60					
632641	255 295	2590	< 10	1.05	100	< 0.001	60	0.35	220	60					
632642	255 295	2350	< 10	1.35	100	0.034	60	0.35	230	900					
632643	255 295	2260	< 10	1.40	100	0.001	80	0.45	240	60					
632644	255 295	2400	< 10	1.05	90	0.001	70	0.35	210	160					
632645	255 295	1920	< 10	1.20	100	< 0.001	90	0.60	310	80					
632646	255 295	2750	< 10	0.55	80	0.066	70	0.50	260	2460					
632647	255 295	2270	< 10	0.35	100	0.661	80	0.30	200	16320					
632648	255 295	1910	< 10	0.85	100	0.007	70	0.40	240	240					
632649	255 295	2140	< 10	1.05	120	0.001	80	0.50	270	120					
632650	255 295	630	< 10	4.00	10	0.002	1020	0.30	80	120					

CERTIFICATION: _____



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 5175 Timberlea Blvd., Mississauga
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2700 - 145 KING ST., W.
 TORONTO, ON
 M5H 3T7

Project: ROWAN
 Comments: ATTN: D.HUNT CC: MICHAEL DEHN

Page #: A
 Tot QC Pg:
 Date: 19-JUL-2001
 Invoice #: 10120214
 P.O. #: RW-01-163
 IKH

QC DATA OF CERTIFICATE

A0120214

STD/DUP/BLANK DESCRIPTION	QC TYPE	PAGE NO.	Au ppb RUSH	Ag ppm AAS	Al % (ICP)	Ba ppm (ICP)	Be ppm (ICP)	Bi ppm (ICP)	Ca % (ICP)	Cd ppm (ICP)	Co ppm (ICP)	Cr ppm (ICP)	Cu ppm (ICP)	Fe % (ICP)	K % (ICP)	Mg % (ICP)
BLANK	Blnk	1	< 5	----	----	----	----	----	----	----	----	----	----	----	----	----
BLANK	Blnk	2	< 5	----	----	----	----	----	----	----	----	----	----	----	----	----
CHEMEX MEAN	----	----	< 5	----	----	----	----	----	----	----	----	----	----	----	----	----
LT-2	Std1	1	195	----	----	----	----	----	----	----	----	----	----	----	----	----
LT-2	Std1	2	230	----	----	----	----	----	----	----	----	----	----	----	----	----
LT-2	Std1	3	245	----	----	----	----	----	----	----	----	----	----	----	----	----
CHEMEX MEAN	----	----	230	----	----	----	----	----	----	----	----	----	----	----	----	----
SB-99	Std2	1	645	----	----	----	----	----	----	----	----	----	----	----	----	----
SB-99	Std2	2	650	----	----	----	----	----	----	----	----	----	----	----	----	----
CHEMEX MEAN	----	----	670	----	----	----	----	----	----	----	----	----	----	----	----	----
SIO2-1	Blnk	1	----	< 1	----	----	----	----	----	----	----	----	----	----	----	----
SIO2-1	Blnk	2	----	< 1	----	----	----	----	----	----	----	----	----	----	----	----
CHEMEX MEAN	----	----	----	1	----	----	----	----	----	----	----	----	----	----	----	----
SIO2-A2	Blnk	1	----	----	0.30	< 100	< 10	< 20	< 0.05	< 10	< 10	< 10	10	0.05	< 0.1	< 0.05
SIO2-A2	Blnk	2	----	----	0.35	< 100	< 10	< 20	< 0.05	< 10	< 10	< 10	10	0.05	< 0.1	< 0.05
CHEMEX MEAN	----	----	----	----	0.35	< 100	< 10	< 20	< 0.05	< 10	< 10	< 10	< 10	< 0.05	< 0.1	< 0.05
SU-1A	Std1	1	----	4	----	----	----	----	----	----	----	----	----	----	----	----
SU-1A	Std2	1	----	4	----	----	----	----	----	----	----	----	----	----	----	----
SU-1A	Std1	2	----	4	----	----	----	----	----	----	----	----	----	----	----	----
SU-1A	Std2	2	----	4	----	----	----	----	----	----	----	----	----	----	----	----
SU-1A	Std1	3	----	4	----	----	----	----	----	----	----	----	----	----	----	----
CHEMEX MEAN	----	----	----	4	----	----	----	----	----	----	----	----	----	----	----	----
SU1A-A22	Std1	1	----	----	5.95	400	< 10	< 20	3.50	< 10	390	260	9590	18.95	0.8	2.70
SU1A-A22	Std2	1	----	----	5.70	300	< 10	< 20	3.55	< 10	370	230	9620	18.95	0.7	2.65
SU1A-A22	Std1	2	----	----	5.75	300	< 10	40	3.55	< 10	380	290	9370	19.15	0.8	2.65
SU1A-A22	Std2	2	----	----	5.45	400	< 10	< 20	3.55	< 10	390	260	9550	19.10	0.7	2.55
SU1A-A22	Std1	3	----	----	5.70	300	< 10	< 20	3.70	< 10	380	290	9410	20.2	0.7	2.60
CHEMEX MEAN	----	----	----	----	5.40	290	< 10	25	3.20	< 10	410	220	9670	19.10	0.8	2.70
632651	Dup1-01		15	< 1	7.25	< 100	< 10	< 20	10.25	< 10	70	240	2610	8.20	0.4	3.90
	Orig1-01		15	< 1	6.85	< 100	< 10	< 20	10.20	< 10	70	240	2480	8.35	0.4	3.70
632691	Dup2-01		35	< 1	6.25	< 100	< 10	< 20	18.65	< 10	50	200	470	8.25	0.1	3.10
	Orig2-01		40	< 1	6.25	< 100	< 10	< 20	19.30	< 10	50	160	480	8.15	0.1	3.05
632731	Dup3-01		40	< 1	8.60	< 100	< 10	< 20	9.00	< 10	60	210	320	9.35	0.9	2.95
	Orig3-01		20	< 1	8.50	< 100	< 10	< 20	8.90	< 10	60	230	320	9.30	0.9	3.00

CERTIFICATION:



ALS Chemex

Aurora Laboratory Services Ltd.
 Analytical Chemists * Geochemists * Registered Assayers
 5175 Timberlea Blvd., Mississauga
 Ontario, Canada L4W 2S3
 PHONE: 905-624-2806 FAX: 905-624-6163

TO: GOLDCORP INC.
 2700 - 145 KING ST., W.
 TORONTO, ON
 M5H 3T7

Client #: B
 Total QC Pgs: 1
 Date: 19-JUL-2001
 Invoice #: I0120214
 P.O. #: RW-01-163
 IKH

Project: ROWAN
 Comments: ATTN: D.HUNT CC: MICHAEL DEHN

QC DATA OF CERTIFICATE

A0120214

STD/DUP/BLANK DESCRIPTION	QC TYPE	PAGE NO.	Mn ppm (ICP)	Mo ppm (ICP)	Na % (ICP)	Ni ppm (ICP)	Pb % AAS	Sr ppm (ICP)	Ti % (ICP)	V ppm (ICP)	Zn ppm (ICP)				
BLANK	Blnk	1	----	----	----	----	----	----	----	----	----				
BLANK	Blnk	2	----	----	----	----	----	----	----	----	----				
CHEMEX MEAN	---	---	----	----	----	----	----	----	----	----	----				
LT-2	Std1	1	----	----	----	----	----	----	----	----	----				
LT-2	Std1	2	----	----	----	----	----	----	----	----	----				
LT-2	Std1	3	----	----	----	----	----	----	----	----	----				
CHEMEX MEAN	---	---	----	----	----	----	----	----	----	----	----				
SB-99	Std2	1	----	----	----	----	----	----	----	----	----				
SB-99	Std2	2	----	----	----	----	----	----	----	----	----				
CHEMEX MEAN	---	---	----	----	----	----	----	----	----	----	----				
SIO2-1	Blnk	1	----	----	----	----	0.001	----	----	----	----				
SIO2-1	Blnk	2	----	----	----	----	0.001	----	----	----	----				
CHEMEX MEAN	---	---	----	----	----	----	0.001	----	----	----	----				
SIO2-A2	Blnk	1	< 10	< 10	< 0.05	< 10	----	270	< 0.05	< 10	< 20				
SIO2-A2	Blnk	2	< 10	< 10	< 0.05	< 10	----	260	< 0.05	< 10	< 20				
CHEMEX MEAN	---	---	< 10	< 10	< 0.05	< 10	----	240	< 0.05	< 10	< 20				
SU-1A	Std1	1	----	----	----	----	0.008	----	----	----	----				
SU-1A	Std2	1	----	----	----	----	0.008	----	----	----	----				
SU-1A	Std1	2	----	----	----	----	0.009	----	----	----	----				
SU-1A	Std2	2	----	----	----	----	0.009	----	----	----	----				
SU-1A	Std1	3	----	----	----	----	0.009	----	----	----	----				
CHEMEX MEAN	---	---	----	----	----	----	0.010	----	----	----	----				
SU1A-A22	Std1	1	980	< 10	1.35	11480	----	220	0.30	110	200				
SU1A-A22	Std2	1	960	< 10	1.35	11140	----	200	0.30	110	180				
SU1A-A22	Std1	2	950	< 10	1.35	11180	----	210	0.30	110	180				
SU1A-A22	Std2	2	920	< 10	1.35	11160	----	210	0.30	120	200				
SU1A-A22	Std1	3	940	< 10	1.40	11480	----	220	0.30	110	200				
CHEMEX MEAN	---	---	1070	< 10	1.35	12330	----	220	0.29	110	208				
632651	Dup1-01		2380	< 10	0.75	100	< 0.001	30	0.30	240	100				
	Orig1-01		2270	< 10	0.75	100	< 0.001	40	0.35	240	100				
632691	Dup2-01		3000	< 10	0.25	110	0.002	50	0.30	210	60				
	Orig2-01		2980	< 10	0.25	100	0.002	70	0.30	200	60				
632731	Dup3-01		1760	< 10	0.65	120	0.001	20	0.75	380	120				
	Orig3-01		1740	< 10	0.60	120	0.002	40	0.70	370	120				

CERTIFICATION:

Signature



ALS Chemex

Aurora Laboratory Services Ltd.
 Analytical Chemists * Geochemists * Registered Assayers
 5175 Timberlea Blvd., Mississauga
 Ontario, Canada L4W 2S3
 PHONE: 905-624-2806 FAX: 905-624-6163

To: GOLDCORP INC.

2700 - 145 KING ST., W.
 TORONTO, ON
 M5H 3T7

A0120214

Comments: ATTN: D.HUNT CC: MICHAEL DEHN

CERTIFICATE

A0120214

(IKH) - GOLDCORP INC.

Project: ROWAN
 P.O. #: RW-01-163

Samples submitted to our lab in Thunder Bay, ON.
 This report was printed on 19-JUL-2001.

SAMPLE PREPARATION

METHOD CODE	NUMBER SAMPLES	DESCRIPTION
255	98	RUSH Geo ring to approx 150 mesh
295	98	RUSH crush and split (0-3 Kg)
3202	98	Rock - save entire reject
290	98	Assay HF ICP digestion charge

ANALYTICAL PROCEDURES

METHOD CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
Au-AA23r	98	Au ppb: Fuse 30 g sample	FA-AAS	5	10000
1263	98	Ag ppm: high grade 24 element	AAS	1	200
4031	98	Al %: A22 ICP package	ICP-AES	0.05	30.0
4032	98	Ba ppm: A22 ICP package	ICP-AES	100	50000
4033	98	Be ppm: A22 ICP package	ICP-AES	10	10000
4034	98	Bi ppm: A22 ICP package	ICP-AES	20	50000
4035	98	Ca %: A22 ICP package	ICP-AES	0.05	30.0
4036	98	Cd ppm: A22 ICP package	ICP-AES	10	10000
4037	98	Co ppm: A22 ICP package	ICP-AES	10	100000
4038	98	Cr ppm: A22 ICP package	ICP-AES	10	100000
4039	98	Cu ppm: A22 ICP package	ICP-AES	10	100000
4040	98	Fe %: A22 ICP package	ICP-AES	0.05	30.0
4041	98	K %: A22 ICP package	ICP-AES	0.1	20.0
4042	98	Mg %: A22 ICP package	ICP-AES	0.05	30.0
4043	98	Mn ppm: A22 ICP package	ICP-AES	10	100000
4044	98	Mo ppm: A22 ICP package	ICP-AES	10	100000
4045	98	Na %: A22 ICP package	ICP-AES	0.05	20.0
4046	98	Ni ppm: A22 ICP package	ICP-AES	10	100000
4075	98	Pb %: high grade 24 element	AAS	0.001	10.00
4047	98	Sr ppm: A22 ICP package	ICP-AES	10	100000
4048	98	Ti %: A22 ICP package	ICP-AES	0.05	20.0
4049	98	V ppm: A22 ICP package	ICP-AES	10	50000
4050	98	Zn ppm: A22 ICP package	ICP-AES	20	100000



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2700 - 145 KING ST., W.
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F umbe A
 Total Pages : 3
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 Invoice No. : I0120214
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 Account : IKH

Project : ROWAN
 Comments: ATTN: D.HUNT CC: MICHAEL DEHN

CERTIFICATE OF ANALYSIS A0120214

SAMPLE	PREP CODE	Au ppb RUSH	Ag ppm AAS	Al % (ICP)	Ba ppm (ICP)	Be ppm (ICP)	Bi ppm (ICP)	Ca % (ICP)	Cd ppm (ICP)	Co ppm (ICP)	Cr ppm (ICP)	Cu ppm (ICP)	Fe % (ICP)	K % (ICP)	Mg % (ICP)
632651	255 295	15	< 1	6.85	< 100	< 10	< 20	10.20	< 10	70	240	2480	8.35	0.4	3.70
632652	255 295	10	< 1	9.50	100	< 10	< 20	10.80	< 10	80	350	520	7.95	0.7	3.00
632653	255 295	10	< 1	8.55	< 100	< 10	< 20	8.15	< 10	80	340	530	8.65	0.4	3.35
632654	255 295	20	< 1	8.35	100	< 10	< 20	5.70	< 10	100	290	570	6.10	1.1	2.05
632655	255 295	10	< 1	9.45	100	< 10	< 20	6.95	< 10	70	350	430	6.70	1.2	3.05
632656	255 295	15	< 1	8.90	100	< 10	< 20	8.90	< 10	70	390	840	6.50	1.4	3.05
632657	255 295	15	< 1	8.80	100	< 10	< 20	7.15	< 10	60	370	470	6.25	0.6	2.70
632658	255 295	15	< 1	8.15	< 100	< 10	< 20	10.35	< 10	60	330	1450	7.50	0.3	2.80
632659	255 295	15	< 1	8.80	100	< 10	< 20	8.05	< 10	60	380	300	5.95	0.6	2.60
632660	255 295	15	< 1	8.35	200	< 10	< 20	8.60	< 10	70	350	440	7.25	1.0	2.80
632661	255 295	10	< 1	4.40	100	< 10	< 20	7.55	< 10	40	150	290	5.25	0.4	1.60
632662	255 295	20	< 1	7.85	< 100	< 10	< 20	6.00	< 10	80	290	600	6.05	0.5	2.40
632663	255 295	30	< 1	7.90	< 100	< 10	< 20	11.15	< 10	70	200	660	10.95	0.5	3.35
632664	255 295	30	< 1	8.90	< 100	< 10	< 20	8.95	< 10	80	240	430	9.00	0.3	2.90
632665	255 295	15	< 1	9.95	< 100	< 10	< 20	8.85	< 10	80	230	230	7.45	0.3	2.70
632666	255 295	25	< 1	5.15	< 100	< 10	< 20	12.10	< 10	60	160	430	9.40	0.5	3.20
632667	255 295	15	< 1	9.40	100	< 10	< 20	9.50	< 10	70	230	250	10.80	1.0	3.30
632668	255 295	20	< 1	8.15	< 100	< 10	< 20	10.75	< 10	70	180	500	11.00	0.7	3.55
632669	255 295	55	< 1	9.65	< 100	< 10	< 20	13.15	< 10	60	250	440	9.85	0.4	3.05
632670	255 295	60	< 1	7.45	< 100	< 10	< 20	10.90	< 10	60	180	480	8.60	0.3	2.85
632671	255 295	75	< 1	6.70	< 100	< 10	< 20	12.70	< 10	60	160	460	8.90	0.3	2.70
632672	255 295	95	< 1	7.00	< 100	< 10	< 20	12.75	< 10	60	150	360	8.70	0.3	3.15
632673	255 295	45	< 1	7.05	< 100	< 10	< 20	12.05	< 10	80	180	580	10.90	0.4	4.35
632674	255 295	40	< 1	5.85	< 100	< 10	< 20	11.35	< 10	60	130	550	10.35	0.4	4.30
632675	255 295	20	< 1	7.15	< 100	< 10	< 20	11.55	< 10	60	160	490	9.35	0.5	4.25
632676	255 295	25	< 1	9.10	< 100	< 10	< 20	9.50	< 10	60	190	130	8.75	0.5	3.65
632677	255 295	30	< 1	7.05	< 100	< 10	< 20	10.95	< 10	60	120	290	8.85	0.6	3.80
632678	255 295	35	1	7.95	100	< 10	< 20	9.75	< 10	60	140	220	7.60	0.6	3.40
632679	255 295	25	< 1	9.15	100	< 10	< 20	8.70	< 10	70	200	270	9.40	0.9	4.00
632680	255 295	20	< 1	6.45	< 100	< 10	< 20	12.30	< 10	50	100	410	8.85	0.4	4.15
632681	255 295	30	< 1	7.00	< 100	< 10	< 20	13.55	< 10	50	160	220	8.30	0.2	3.50
632682	255 295	95	1	7.55	< 100	< 10	< 20	12.05	< 10	50	130	210	7.45	0.3	3.15
632683	255 295	110	< 1	7.20	< 100	< 10	< 20	13.45	< 10	50	140	150	7.00	0.1	2.75
632684	255 295	120	< 1	7.80	< 100	< 10	< 20	13.00	< 10	50	190	280	7.75	0.1	2.90
632685	255 295	110	< 1	7.35	< 100	< 10	< 20	12.85	< 10	50	190	280	7.75	0.1	3.00
632686	255 295	90	1	8.05	< 100	< 10	< 20	11.00	< 10	60	170	240	7.35	0.1	2.75
632687	255 295	85	< 1	6.95	100	< 10	< 20	8.45	< 10	50	150	350	9.30	1.0	2.60
632688	255 295	50	< 1	7.55	< 100	< 10	< 20	12.05	< 10	50	190	460	10.45	0.1	3.40
632689	255 295	40	< 1	6.75	< 100	< 10	< 20	13.00	< 10	60	150	460	10.55	0.2	3.90
632690	255 295	65	< 1	7.10	< 100	< 10	< 20	12.20	< 10	50	130	150	7.70	0.4	3.05

CERTIFICATION:

Sarah [Signature]



ALS Chemex

Aurora Laboratory Services Ltd.
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GC... DRP I

2700 - 145 KING ST., W.
 TORONTO, ON
 M5H 3T7

Page Number: 3
 Total Pages: 33
 Certificate Date: 19-JUL-2001
 Invoice No.: I0120214
 P.O. Number: RW-01-163
 Account: IKH

Project: ROWAN
 Comments: ATTN: D.HUNT CC: MICHAEL DEHN

CERTIFICATE OF ANALYSIS A0120214

SAMPLE	PREP CODE	Mn ppm (ICP)	Mo ppm (ICP)	Na % (ICP)	Ni ppm (ICP)	Pb % AAS	Sr ppm (ICP)	Ti % (ICP)	V ppm (ICP)	Zn ppm (ICP)				
632651	255 295	2270	< 10	0.75	100	< 0.001	40	0.35	240	100				
632652	255 295	1740	< 10	1.65	150	0.001	90	0.45	320	60				
632653	255 295	1880	< 10	1.80	130	< 0.001	50	0.40	320	60				
632654	255 295	1070	< 10	2.05	160	< 0.001	60	0.45	280	40				
632655	255 295	1520	< 10	2.25	130	< 0.001	80	0.45	320	80				
632656	255 295	1460	< 10	2.20	150	0.001	90	0.45	310	80				
632657	255 295	1440	< 10	1.90	130	< 0.001	60	0.40	290	60				
632658	255 295	1710	< 10	1.70	140	< 0.001	70	0.40	260	80				
632659	255 295	1300	< 10	2.05	140	< 0.001	70	0.45	270	60				
632660	255 295	1500	< 10	1.30	140	< 0.001	50	0.45	260	60				
632661	255 295	1530	< 10	0.65	70	< 0.001	30	0.20	160	20				
632662	255 295	1030	< 10	2.20	140	< 0.001	70	0.40	250	40				
632663	255 295	2440	< 10	0.65	150	0.001	50	0.35	290	80				
632664	255 295	2010	< 10	1.30	160	< 0.001	60	0.40	310	80				
632665	255 295	1750	< 10	1.60	140	< 0.001	50	0.45	320	60				
632666	255 295	2950	10	0.50	120	0.001	40	0.25	220	80				
632667	255 295	2790	< 10	1.00	150	0.001	70	0.45	320	80				
632668	255 295	3070	< 10	0.65	150	0.001	50	0.35	300	80				
632669	255 295	2830	< 10	0.90	150	< 0.001	60	0.45	310	80				
632670	255 295	2480	< 10	0.85	130	0.002	30	0.35	260	80				
632671	255 295	2670	10	0.85	130	0.001	40	0.30	240	80				
632672	255 295	2900	30	0.75	120	0.001	50	0.35	250	80				
632673	255 295	3220	< 10	0.45	150	0.001	30	0.35	260	100				
632674	255 295	3320	< 10	0.45	130	0.002	20	0.30	210	100				
632675	255 295	2850	< 10	0.70	120	< 0.001	50	0.35	230	80				
632676	255 295	2410	< 10	1.20	190	0.001	60	0.45	290	80				
632677	255 295	2790	< 10	0.60	160	0.001	50	0.35	250	80				
632678	255 295	2030	< 10	0.95	150	0.001	60	0.40	270	80				
632679	255 295	2180	< 10	1.05	160	0.001	70	0.45	310	80				
632680	255 295	2780	< 10	0.75	110	0.001	60	0.30	240	80				
632681	255 295	2740	< 10	0.70	110	< 0.001	50	0.35	240	80				
632682	255 295	2470	< 10	0.90	130	0.002	60	0.35	270	180				
632683	255 295	2430	< 10	0.45	120	0.001	80	0.35	260	80				
632684	255 295	2520	< 10	0.95	120	0.002	70	0.40	260	80				
632685	255 295	2610	< 10	0.60	120	0.001	80	0.35	250	60				
632686	255 295	2320	< 10	1.15	140	0.001	70	0.40	280	60				
632687	255 295	4860	< 10	1.75	110	0.002	30	0.35	250	100				
632688	255 295	2910	< 10	0.60	120	0.001	90	0.35	270	80				
632689	255 295	3040	< 10	0.50	120	0.002	50	0.30	220	100				
632690	255 295	2450	< 10	0.65	110	0.001	50	0.35	230	80				

CERTIFICATION:



ALS Chemex

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TO: GOLDCORP INC.

2700 - 145 KING ST., W.
 TORONTO, ON
 M5H 3T7

Project: ROWAN
 Comments: ATTN: D.HUNT CC: MICHAEL DEHN

Page Number: A
 Total Pages: 13
 Certificate Date: 19-JUL-2001
 Invoice No.: I0120214
 P.O. Number: RW-01-163
 Account: IKH

CERTIFICATE OF ANALYSIS A0120214

SAMPLE	PREP CODE	Au ppb RUSH	Ag ppm AAS	Al % (ICP)	Ba ppm (ICP)	Be ppm (ICP)	Bi ppm (ICP)	Ca % (ICP)	Cd ppm (ICP)	Co ppm (ICP)	Cr ppm (ICP)	Cu ppm (ICP)	Fe % (ICP)	K % (ICP)	Mg % (ICP)
632691	255 295	40	< 1	6.25	< 100	< 10	< 20	19.30	< 10	50	160	480	8.15	0.1	3.05
632692	255 295	80	< 1	6.70	< 100	< 10	< 20	12.25	< 10	60	230	610	9.55	0.1	3.10
632693	255 295	115	< 1	7.55	< 100	< 10	< 20	13.90	< 10	60	190	540	9.25	0.1	2.75
632694	255 295	45	< 1	8.05	< 100	< 10	< 20	14.35	< 10	50	210	210	9.15	0.3	2.95
632695	255 295	50	< 1	7.20	< 100	< 10	< 20	12.95	< 10	50	140	330	9.20	0.2	2.90
632696	255 295	65	< 1	8.40	< 100	< 10	< 20	13.95	< 10	50	150	150	7.25	0.4	2.50
632697	255 295	255	4	3.55	< 100	< 10	< 20	9.05	< 10	120	90	3220	9.60	0.4	3.00
632698	255 295	15	< 1	6.35	< 100	< 10	< 20	4.95	< 10	80	120	680	8.25	0.9	2.20
632699	255 295	15	< 1	2.90	< 100	< 10	< 20	5.75	< 10	100	140	860	10.10	0.3	1.75
632700	255 295	< 5	< 1	10.65	700	< 10	< 20	5.40	< 10	30	60	30	5.85	1.3	2.10
632701	255 295	15	< 1	1.25	< 100	< 10	< 20	5.80	< 10	50	190	420	7.00	0.1	1.25
632702	255 295	20	< 1	0.20	< 100	< 10	< 20	3.00	< 10	20	190	280	4.50	< 0.1	0.50
632703	255 295	30	< 1	9.15	100	< 10	< 20	7.35	< 10	80	240	350	11.35	0.9	2.85
632704	255 295	750	57	4.80	200	< 10	60	9.60	< 10	10	70	780	6.85	1.3	1.55
632705	255 295	35	1	8.60	100	< 10	< 20	9.85	< 10	70	280	1090	7.20	0.9	2.30
632706	255 295	35	< 1	6.70	< 100	< 10	< 20	11.40	< 10	50	240	530	7.30	0.4	1.90
632707	255 295	45	< 1	7.90	< 100	< 10	< 20	11.55	< 10	50	250	310	7.60	0.4	1.90
632708	255 295	30	< 1	5.50	< 100	< 10	< 20	10.80	< 10	40	230	450	8.05	0.2	1.85
632709	255 295	40	< 1	7.15	< 100	< 10	< 20	11.80	< 10	50	250	110	7.45	0.3	2.05
632710	255 295	15	< 1	9.05	100	< 10	< 20	8.25	< 10	50	350	170	7.60	0.9	2.70
632711	255 295	60	< 1	7.40	< 100	< 10	< 20	10.25	< 10	70	320	1410	7.40	0.3	2.30
632712	255 295	2420	< 1	8.15	< 100	< 10	< 20	9.75	< 10	80	330	390	7.15	0.4	2.70
632713	255 295	30	2	7.55	< 100	< 10	< 20	10.85	< 10	140	300	2130	9.20	0.1	2.60
632714	255 295	40	1	8.70	< 100	< 10	< 20	9.80	< 10	100	240	1160	7.95	1.3	2.05
632715	255 295	385	< 1	8.70	100	< 10	< 20	6.40	< 10	70	370	240	6.55	2.1	2.15
632716	255 295	55	1	5.10	100	< 10	< 20	7.30	< 10	40	230	190	5.35	2.1	2.10
632717	255 295	70	4	7.25	< 100	< 10	< 20	7.95	< 10	80	150	450	8.25	1.8	3.30
632718	255 295	15	4	6.95	< 100	< 10	< 20	10.80	< 10	60	80	640	7.20	0.9	2.55
632719	255 295	45	1	7.10	< 100	< 10	< 20	9.15	< 10	60	120	550	8.40	0.7	2.65
632720	255 295	10	1	5.70	< 100	< 10	< 20	13.10	< 10	40	90	340	7.55	0.8	2.40
632721	255 295	< 5	< 1	7.15	< 100	< 10	< 20	11.65	< 10	40	110	310	7.65	0.5	2.50
632722	255 295	5	< 1	2.50	< 100	< 10	< 20	28.6	< 10	30	50	280	4.70	0.1	1.25
632723	255 295	< 5	< 1	4.50	< 100	< 10	< 20	20.7	< 10	30	80	130	5.15	0.1	1.90
632724	255 295	< 5	< 1	6.50	< 100	< 10	< 20	14.30	< 10	40	120	70	6.75	0.1	2.80
632725	255 295	< 5	< 1	7.15	< 100	< 10	< 20	14.05	< 10	50	120	250	8.30	0.2	2.80
632726	255 295	< 5	< 1	5.60	< 100	< 10	< 20	15.95	< 10	40	100	230	6.45	0.3	2.25
632727	255 295	< 5	< 1	3.30	< 100	< 10	< 20	23.4	< 10	40	60	330	6.55	0.2	1.90
632728	255 295	< 5	< 1	7.20	< 100	< 10	< 20	13.95	< 10	50	120	210	7.85	0.6	3.00
632729	255 295	555	< 1	8.05	100	< 10	< 20	9.25	< 10	60	200	330	4.10	1.5	1.50
632730	255 295	10	< 1	9.20	< 100	< 10	< 20	7.60	< 10	60	190	300	5.75	1.3	2.55

CERTIFICATION:

[Handwritten Signature]



ALS Chemex

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TO: GOLDCORP LTD.

2700 - 145 KING ST., W.
 TORONTO, ON
 M5H 3T7

Project: ROWAN
 Comments: ATTN: D.HUNT CC: MICHAEL DEHN

Form Number: 3
 Total Pages: 13
 Certificate Date: 19-JUL-2001
 Invoice No.: 10120214
 P.O. Number: RW-01-163
 Account: MKH

CERTIFICATE OF ANALYSIS A0120214

SAMPLE	PREP CODE	Mn ppm (ICP)	Mo ppm (ICP)	Na % (ICP)	Ni ppm (ICP)	Pb % AAS	Sr ppm (ICP)	Ti % (ICP)	V ppm (ICP)	Zn ppm (ICP)					
632691	255 295	2980	< 10	0.25	100	0.002	70	0.30	200	60					
632692	255 295	2630	< 10	0.40	120	0.001	60	0.35	230	60					
632693	255 295	2860	< 10	0.55	140	0.001	60	0.35	240	80					
632694	255 295	2610	< 10	0.60	140	0.001	60	0.40	260	80					
632695	255 295	2870	< 10	0.90	120	0.001	60	0.35	250	80					
632696	255 295	2860	< 10	0.45	140	0.002	70	0.40	270	60					
632697	255 295	2550	< 10	0.20	110	0.001	20	0.15	120	100					
632698	255 295	1370	< 10	0.85	70	0.001	50	0.10	60	60					
632699	255 295	1460	< 10	0.20	100	0.001	20	0.05	70	20					
632700	255 295	1120	< 10	3.85	10	0.002	1050	0.40	140	100					
632701	255 295	1530	< 10	0.10	50	0.001	< 10	< 0.05	60	20					
632702	255 295	790	< 10	< 0.05	20	< 0.001	< 10	< 0.05	10	< 20					
632703	255 295	2090	< 10	0.80	170	0.003	90	0.45	300	80					
632704	255 295	2870	< 10	0.65	30	0.007	70	0.15	40	560					
632705	255 295	2070	< 10	1.55	130	0.002	80	0.40	260	60					
632706	255 295	2510	< 10	1.30	130	0.002	60	0.35	210	60					
632707	255 295	2780	< 10	1.25	140	0.003	70	0.40	260	80					
632708	255 295	2300	< 10	0.80	110	0.002	30	0.30	230	60					
632709	255 295	2460	< 10	1.35	120	0.001	60	0.40	240	80					
632710	255 295	2060	< 10	1.85	160	0.002	80	0.50	270	80					
632711	255 295	2260	< 10	0.90	120	0.001	60	0.40	260	80					
632712	255 295	2530	< 10	1.05	100	0.002	50	0.40	270	80					
632713	255 295	2300	< 10	0.75	100	0.002	40	0.40	270	80					
632714	255 295	1900	< 10	1.55	110	0.001	60	0.50	280	80					
632715	255 295	1570	< 10	2.00	140	0.005	80	0.45	270	120					
632716	255 295	2240	< 10	0.10	60	0.003	90	0.30	190	80					
632717	255 295	1890	< 10	0.50	90	0.012	60	0.45	280	140					
632718	255 295	1910	< 10	1.55	60	0.007	90	0.45	320	120					
632719	255 295	2590	< 10	1.20	80	0.003	50	0.55	300	120					
632720	255 295	3520	< 10	0.50	60	0.003	40	0.40	230	100					
632721	255 295	2690	< 10	1.25	60	0.003	40	0.55	300	80					
632722	255 295	3550	< 10	0.25	30	0.002	20	0.20	130	20					
632723	255 295	3020	< 10	0.55	40	0.002	50	0.35	190	40					
632724	255 295	2780	< 10	1.00	60	0.001	40	0.50	270	80					
632725	255 295	2930	< 10	0.90	80	0.002	60	0.55	290	60					
632726	255 295	3100	< 10	0.75	60	0.002	60	0.40	260	60					
632727	255 295	3800	< 10	0.20	40	0.002	20	0.25	150	60					
632728	255 295	3030	< 10	0.75	80	0.001	40	0.55	300	60					
632729	255 295	940	< 10	0.85	110	0.002	30	0.70	330	60					
632730	255 295	1140	< 10	0.80	120	0.002	30	0.75	400	60					

CERTIFICATION:

Signature



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CERTIFICATE OF ANALYSIS A0120214

SAMPLE	PREP CODE	Au ppb RUSH	Ag ppm AAS	Al % (ICP)	Ba ppm (ICP)	Be ppm (ICP)	Bi ppm (ICP)	Ca % (ICP)	Cd ppm (ICP)	Co ppm (ICP)	Cr ppm (ICP)	Cu ppm (ICP)	Fe % (ICP)	K % (ICP)	Mg % (ICP)
632731	255 295	20	< 1	8.50	< 100	< 10	< 20	8.90	< 10	60	230	320	9.30	0.9	3.00
632732	255 295	510	< 1	8.60	< 100	< 10	< 20	8.40	< 10	60	240	490	7.40	0.6	2.80
632733	255 295	50	< 1	8.80	< 100	< 10	< 20	4.70	< 10	40	310	100	5.90	0.6	2.25
632734	255 295	5	< 1	10.05	< 100	< 10	< 20	5.00	< 10	50	290	90	5.50	0.5	2.50
632735	255 295	< 5	1	7.65	300	< 10	< 20	3.90	< 10	40	200	310	7.05	2.1	2.50
632736	255 295	< 5	1	8.50	< 100	< 10	< 20	3.95	< 10	50	200	110	5.80	0.3	3.25
632737	255 295	< 5	1	7.60	< 100	< 10	< 20	8.10	< 10	40	170	30	4.70	0.1	2.80
632738	255 295	< 5	< 1	8.55	< 100	< 10	< 20	5.60	< 10	60	200	130	8.25	0.1	3.50
632739	255 295	< 5	1	6.70	< 100	< 10	< 20	9.20	< 10	60	150	380	6.75	0.5	2.60
632740	255 295	< 5	< 1	6.30	< 100	< 10	< 20	11.25	< 10	40	150	40	6.10	0.2	2.25
632741	255 295	< 5	< 1	7.65	< 100	< 10	< 20	4.80	< 10	40	160	< 10	7.50	0.5	2.90
632742	255 295	< 5	< 1	7.95	< 100	< 10	< 20	2.85	< 10	30	180	180	8.65	0.6	2.50
632743	255 295	< 5	< 1	6.40	300	< 10	< 20	6.95	< 10	40	130	100	14.15	1.6	1.90
632744	255 295	< 5	< 1	8.10	1000	< 10	< 20	2.85	< 10	40	110	80	3.30	3.3	1.15
632745	255 295	< 5	< 1	9.50	900	< 10	< 20	2.00	< 10	60	120	150	4.75	3.7	1.55
632746	255 295	< 5	< 1	8.35	700	< 10	< 20	3.35	< 10	90	170	90	6.60	2.3	1.35
632747	255 295	< 5	< 1	8.10	800	< 10	< 20	3.95	< 10	30	110	110	5.40	2.5	1.75
632748	255 295	< 5	< 1	7.30	700	< 10	< 20	2.80	< 10	30	120	40	3.95	2.1	1.60

CERTIFICATION: 



ALS Chemex

Aurora Laboratory Services Ltd.
 Analytical Chemists * Geochemists * Registered Assayers
 5175 Timberlea Blvd., Mississauga
 Ontario, Canada L4W 2S3
 PHONE: 905-624-2806 FAX: 905-624-6163

GC/MS/DRP I...
 2700 - 145 KING ST., W.
 TORONTO, ON
 M5H 3T7

Form Number : 3
 Total Pages : 3
 Certificate Date: 19-JUL-2001
 Invoice No. : 10120214
 P.O. Number : RW-01-163
 Account : IKH

Project : ROWAN
 Comments: ATTN: D.HUNT CC: MICHAEL DEHN

CERTIFICATE OF ANALYSIS A0120214

SAMPLE	PREP CODE	Mn ppm (ICP)	Mo ppm (ICP)	Na % (ICP)	Ni ppm (ICP)	Pb % AAS	Sr ppm (ICP)	Ti % (ICP)	V ppm (ICP)	Zn ppm (ICP)					
632731	255 295	1740	< 10	0.60	120	0.002	40	0.70	370	120					
632732	255 295	1240	< 10	1.20	110	0.001	60	0.55	330	120					
632733	255 295	720	< 10	1.55	160	0.001	100	0.35	190	140					
632734	255 295	690	< 10	1.85	160	0.001	150	0.50	250	120					
632735	255 295	770	< 10	0.75	130	0.003	20	0.40	190	120					
632736	255 295	1100	< 10	3.55	120	0.001	80	0.80	390	80					
632737	255 295	970	< 10	3.05	90	0.001	70	0.60	320	60					
632738	255 295	1650	< 10	2.70	120	0.001	100	0.70	400	160					
632739	255 295	1240	< 10	1.55	90	0.001	80	0.55	300	140					
632740	255 295	1080	< 10	0.90	80	0.001	80	0.50	240	120					
632741	255 295	1260	< 10	2.30	90	0.003	90	0.70	340	120					
632742	255 295	1160	< 10	3.40	80	0.002	60	0.65	340	120					
632743	255 295	1980	< 10	1.55	120	0.001	80	0.45	230	1200					
632744	255 295	680	< 10	0.90	190	0.001	70	0.30	100	1900					
632745	255 295	590	< 10	0.70	250	0.001	130	0.35	120	2080					
632746	255 295	750	< 10	1.35	290	0.001	170	0.30	110	800					
632747	255 295	550	< 10	1.00	140	0.001	100	0.25	100	160					
632748	255 295	390	< 10	1.10	140	0.003	90	0.30	100	140					

CERTIFICATION:



ALS Chemex

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TO: GOLDCORP INC.
 2700 - 145 KING ST., W.
 TORONTO, ON
 M5H 3T7

QC Page #: A
 Tot QC Pg: 1
 Date: 19-JUL-2001
 Invoice #: T0120216
 P.O. #: RW-01-164
 IKH

Project: RW01-164
 Comments: ATTN: D.HUNT CC: MICHAEL DEHN

QC DATA OF CERTIFICATE A0120216

STD/DUP/BLANK DESCRIPTION	QC TYPE	PAGE NO.	Au ppb RUSH	Ag ppm AAS	Al % (ICP)	Ba ppm (ICP)	Be ppm (ICP)	Bi ppm (ICP)	Ca % (ICP)	Cd ppm (ICP)	Co ppm (ICP)	Cr ppm (ICP)	Cu ppm (ICP)	Fe % (ICP)	K % (ICP)	Mg % (ICP)
BLANK	Blnk	1	< 5	----	----	----	----	----	----	----	----	----	----	----	----	----
BLANK	Blnk	2	< 5	----	----	----	----	----	----	----	----	----	----	----	----	----
CHEMEX MEAN	---	---	< 5	----	----	----	----	----	----	----	----	----	----	----	----	----
LT-2	Std1	1	240	----	----	----	----	----	----	----	----	----	----	----	----	----
LT-2	Std1	2	220	----	----	----	----	----	----	----	----	----	----	----	----	----
LT-2	Std1	3	250	----	----	----	----	----	----	----	----	----	----	----	----	----
CHEMEX MEAN	---	---	230	----	----	----	----	----	----	----	----	----	----	----	----	----
SB-99	Std2	1	585	----	----	----	----	----	----	----	----	----	----	----	----	----
SB-99	Std2	2	610	----	----	----	----	----	----	----	----	----	----	----	----	----
CHEMEX MEAN	---	---	670	----	----	----	----	----	----	----	----	----	----	----	----	----
SIO2-1	Blnk	1	----	< 1	----	----	----	----	----	----	----	----	----	----	----	----
SIO2-1	Blnk	2	----	< 1	----	----	----	----	----	----	----	----	----	----	----	----
CHEMEX MEAN	---	---	----	1	----	----	----	----	----	----	----	----	----	----	----	----
SIO2-A2	Blnk	1	----	----	0.20	< 100	< 10	< 20	< 0.05	< 10	< 10	< 10	< 10	< 0.05	< 0.1	< 0.05
SIO2-A2	Blnk	2	----	----	0.25	< 100	< 10	< 20	< 0.05	< 10	< 10	< 10	< 10	< 0.05	< 0.1	< 0.05
CHEMEX MEAN	---	---	----	----	0.35	< 100	< 10	< 20	< 0.05	< 10	< 10	< 10	< 10	< 0.05	< 0.1	< 0.05
SU-1A	Std1	1	----	4	----	----	----	----	----	----	----	----	----	----	----	----
SU-1A	Std2	1	----	4	----	----	----	----	----	----	----	----	----	----	----	----
SU-1A	Std1	2	----	4	----	----	----	----	----	----	----	----	----	----	----	----
SU-1A	Std2	2	----	4	----	----	----	----	----	----	----	----	----	----	----	----
SU-1A	Std1	3	----	4	----	----	----	----	----	----	----	----	----	----	----	----
CHEMEX MEAN	---	---	----	4	----	----	----	----	----	----	----	----	----	----	----	----
SU1A-A22	Std1	1	----	----	5.85	300	< 10	< 20	3.40	< 10	370	280	9230	18.05	0.8	2.65
SU1A-A22	Std2	1	----	----	5.70	300	< 10	< 20	3.70	< 10	380	240	9350	19.90	0.8	2.60
SU1A-A22	Std1	2	----	----	5.85	300	< 10	< 20	3.65	< 10	370	270	9220	20.1	0.8	2.70
SU1A-A22	Std2	2	----	----	5.80	300	< 10	< 20	3.65	< 10	370	270	9260	19.85	0.8	2.70
SU1A-A22	Std1	3	----	----	5.70	200	< 10	< 20	3.75	< 10	380	290	9430	20.6	0.7	2.55
CHEMEX MEAN	---	---	----	----	5.40	290	< 10	25	3.20	< 10	410	220	9670	19.10	0.8	2.70
632749	Dup1-01		< 5	< 1	7.05	100	< 10	< 20	8.50	< 10	70	250	380	8.85	0.4	3.75
	Orig1-01		5	< 1	6.95	100	< 10	< 20	8.75	< 10	70	250	380	9.10	0.4	3.70
632789	Dup2-01		< 5	1	8.30	< 100	< 10	< 20	8.65	< 10	60	330	130	13.15	0.6	2.90
	Orig2-01		< 5	1	8.45	< 100	< 10	< 20	8.65	< 10	60	330	120	13.25	0.6	2.95
632829	Dup3-01		5	< 1	9.80	300	< 10	< 20	12.65	< 10	50	260	< 10	9.30	2.6	2.95
	Orig3-01		10	< 1	9.90	300	< 10	< 20	12.35	< 10	50	210	< 10	8.75	2.5	3.00

CERTIFICATION:

[Handwritten Signature]



ALS Chemex

Aurora Laboratory Services Ltd.
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TO: GOLDCORP INC.

2700 - 145 KING ST., W.
 TORONTO, ON
 M5H 3T7

Project: RW01-164
 Comments: ATTN: D.HUNT CC: MICHAEL DEHN

Page #: B
 Tot QC Pg: 1
 Date: 19-JUL-2001
 Invoice #: 10120216
 P.O. #: RW-01-164
 IKH

QC DATA OF CERTIFICATE A0120216

STD/DUP/BLANK DESCRIPTION	QC TYPE	PAGE NO.	Mn ppm (ICP)	Mo ppm (ICP)	Na % (ICP)	Ni ppm (ICP)	Pb % AAS	Sr ppm (ICP)	Ti % (ICP)	V ppm (ICP)	Zn ppm (ICP)				
BLANK	Blnk	1	----	----	----	----	----	----	----	----	----				
BLANK	Blnk	2	----	----	----	----	----	----	----	----	----				
CHEMEX MEAN	----	----	----	----	----	----	----	----	----	----	----				
LT-2	Std1	1	----	----	----	----	----	----	----	----	----				
LT-2	Std1	2	----	----	----	----	----	----	----	----	----				
LT-2	Std1	3	----	----	----	----	----	----	----	----	----				
CHEMEX MEAN	----	----	----	----	----	----	----	----	----	----	----				
SB-99	Std2	1	----	----	----	----	----	----	----	----	----				
SB-99	Std2	2	----	----	----	----	----	----	----	----	----				
CHEMEX MEAN	----	----	----	----	----	----	----	----	----	----	----				
SIO2-1	Blnk	1	----	----	----	----	< 0.001	----	----	----	----				
SIO2-1	Blnk	2	----	----	----	----	< 0.001	----	----	----	----				
CHEMEX MEAN	----	----	----	----	----	----	0.001	----	----	----	----				
SIO2-A2	Blnk	1	< 10	< 10	0.15	< 10	----	140	< 0.05	< 10	20				
SIO2-A2	Blnk	2	< 10	< 10	0.15	< 10	----	150	< 0.05	< 10	20				
CHEMEX MEAN	----	----	< 10	< 10	< 0.05	< 10	----	240	< 0.05	< 10	< 20				
SU-1A	Std1	1	----	----	----	----	0.008	----	----	----	----				
SU-1A	Std2	1	----	----	----	----	0.009	----	----	----	----				
SU-1A	Std1	2	----	----	----	----	0.007	----	----	----	----				
SU-1A	Std2	2	----	----	----	----	0.009	----	----	----	----				
SU-1A	Std1	3	----	----	----	----	0.009	----	----	----	----				
CHEMEX MEAN	----	----	----	----	----	----	0.010	----	----	----	----				
SU1A-A22	Std1	1	970	< 10	1.30	11270	----	240	0.30	110	180				
SU1A-A22	Std2	1	960	< 10	1.45	11740	----	220	0.30	110	200				
SU1A-A22	Std1	2	1020	< 10	1.40	11970	----	230	0.30	110	200				
SU1A-A22	Std2	2	980	< 10	1.40	11870	----	220	0.30	110	200				
SU1A-A22	Std1	3	950	< 10	1.45	11370	----	220	0.30	120	200				
CHEMEX MEAN	----	----	1070	< 10	1.35	12330	----	220	0.29	110	208				
632749	Dup1-01		2670	< 10	1.25	150	< 0.001	40	0.40	250	140				
	Orig1-01		2640	< 10	1.30	140	0.001	50	0.40	260	140				
632789	Dup2-01		4680	< 10	0.60	170	< 0.001	30	0.35	280	140				
	Orig2-01		4660	< 10	0.60	160	< 0.001	40	0.35	280	140				
632829	Dup3-01		2420	< 10	0.30	130	0.001	50	0.30	370	180				
	Orig3-01		2470	< 10	0.40	130	0.002	40	0.35	380	180				

CERTIFICATION: *Sara [Signature]*



ALS Chemex

Aurora Laboratory Services Ltd.
 Analytical Chemists * Geochemists * Registered Assayers
 5175 Timberlea Blvd., Mississauga
 Ontario, Canada L4W 2S3
 PHONE: 905-624-2806 FAX: 905-624-6163

To: GOLDCORP INC.

2700 - 145 KING ST., W.
 TORONTO, ON
 M5H 3T7

A0120216

Comments: ATTN: D.HUNT CC: MICHAEL DEHN

CERTIFICATE

A0120216

(IKH) - GOLDCORP INC.

Project: RW01-164
 P.O. #: RW-01-164

Samples submitted to our lab in Thunder Bay, ON.
 This report was printed on 19-JUL-2001.

SAMPLE PREPARATION

METHOD CODE	NUMBER SAMPLES	DESCRIPTION
255	105	RUSH Geo ring to approx 150 mesh
295	105	RUSH crush and split (0-3 Kg)
3202	105	Rock - save entire reject
290	105	Assay HF ICP digestion charge

ANALYTICAL PROCEDURES

METHOD CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
Au-AA23r	105	Au ppb: Fuse 30 g sample	FA-AAS	5	10000
1263	105	Ag ppm: high grade 24 element	AAS	1	200
4031	105	Al %: A22 ICP package	ICP-AES	0.05	30.0
4032	105	Ba ppm: A22 ICP package	ICP-AES	100	50000
4033	105	Be ppm: A22 ICP package	ICP-AES	10	10000
4034	105	Bi ppm: A22 ICP package	ICP-AES	20	50000
4035	105	Ca %: A22 ICP package	ICP-AES	0.05	30.0
4036	105	Cd ppm: A22 ICP package	ICP-AES	10	10000
4037	105	Co ppm: A22 ICP package	ICP-AES	10	100000
4038	105	Cr ppm: A22 ICP package	ICP-AES	10	100000
4039	105	Cu ppm: A22 ICP package	ICP-AES	10	100000
4040	105	Fe %: A22 ICP package	ICP-AES	0.05	30.0
4041	105	K %: A22 ICP package	ICP-AES	0.1	20.0
4042	105	Mg %: A22 ICP package	ICP-AES	0.05	30.0
4043	105	Mn ppm: A22 ICP package	ICP-AES	10	100000
4044	105	Mo ppm: A22 ICP package	ICP-AES	10	100000
4045	105	Na %: A22 ICP package	ICP-AES	0.05	20.0
4046	105	Ni ppm: A22 ICP package	ICP-AES	10	100000
4075	105	Pb %: high grade 24 element	AAS	0.001	10.00
4047	105	Sr ppm: A22 ICP package	ICP-AES	10	100000
4048	105	Ti %: A22 ICP package	ICP-AES	0.05	20.0
4049	105	V ppm: A22 ICP package	ICP-AES	10	50000
4050	105	Zn ppm: A22 ICP package	ICP-AES	20	100000



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Page Number: A
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 Certificate Date: 19-JUL-2001
 Invoice No.: A0120216
 P.O. Number: RW-01-164
 Account: MKH

Project: RW01-164
 Comments: ATTN: D.HUNT CC: MICHAEL DEHN

CERTIFICATE OF ANALYSIS A0120216

SAMPLE	PREP CODE	Au ppb RUSH	Ag ppm AAS	Al % (ICP)	Ba ppm (ICP)	Be ppm (ICP)	Bi ppm (ICP)	Ca % (ICP)	Cd ppm (ICP)	Co ppm (ICP)	Cr ppm (ICP)	Cu ppm (ICP)	Fe % (ICP)	K % (ICP)	Mg % (ICP)
632749	255 295	5	< 1	6.95	100	< 10	< 20	8.75	< 10	70	250	380	9.10	0.4	3.70
632750	255 295	< 5	< 1	10.75	700	< 10	< 20	4.25	< 10	20	100	< 10	4.80	1.2	1.65
632751	255 295	< 5	< 1	6.90	100	< 10	< 20	9.60	< 10	60	240	640	8.65	0.4	3.15
632752	255 295	< 5	< 1	7.30	100	< 10	< 20	9.60	< 10	50	280	270	7.85	0.3	3.70
632753	255 295	55	13	5.90	< 100	< 10	< 20	11.60	< 10	40	200	290	7.85	0.4	2.00
632754	255 295	20	9	7.05	100	< 10	< 20	7.45	< 10	50	240	980	4.45	1.0	1.50
632755	255 295	< 5	1	7.50	< 100	< 10	< 20	12.05	< 10	50	230	190	6.20	< 0.1	2.40
632756	255 295	< 5	1	7.75	200	< 10	< 20	10.70	< 10	60	230	350	9.15	0.9	3.65
632757	255 295	< 5	< 1	6.60	< 100	< 10	< 20	12.35	< 10	60	230	750	6.05	0.1	3.05
632758	255 295	5	< 1	6.75	< 100	< 10	< 20	13.75	< 10	50	190	70	7.00	< 0.1	2.50
632759	255 295	< 5	< 1	8.00	< 100	< 10	< 20	12.90	< 10	50	210	60	6.35	0.1	3.00
632760	255 295	< 5	< 1	7.20	< 100	< 10	< 20	13.75	< 10	40	160	40	6.20	0.1	2.65
632761	255 295	< 5	< 1	5.65	< 100	< 10	< 20	14.65	< 10	70	210	210	7.90	< 0.1	2.15
632762	255 295	5	< 1	6.70	< 100	< 10	< 20	15.25	< 10	40	130	110	7.50	< 0.1	1.10
632763	255 295	15	< 1	5.60	< 100	< 10	< 20	13.95	< 10	30	90	90	7.70	< 0.1	0.90
632764	255 295	225	1	5.70	< 100	< 10	< 20	14.45	< 10	50	190	90	6.75	< 0.1	1.75
632765	255 295	30	6	5.65	< 100	< 10	< 20	14.65	< 10	40	200	170	6.25	0.3	1.10
632766	255 295	20	1	7.65	200	< 10	< 20	7.00	< 10	40	160	180	4.15	0.8	1.55
632767	255 295	5	< 1	7.85	400	< 10	< 20	5.55	< 10	50	220	120	5.50	2.6	1.75
632768	255 295	< 5	1	9.25	300	< 10	< 20	4.65	< 10	70	240	240	7.20	1.7	2.05
632769	255 295	5	< 1	7.75	100	< 10	< 20	8.25	< 10	70	240	300	9.20	0.7	2.30
632770	255 295	< 5	< 1	8.45	200	< 10	< 20	5.80	< 10	60	240	290	9.25	1.1	1.90
632771	255 295	< 5	< 1	5.60	100	< 10	< 20	7.95	< 10	50	180	280	16.30	0.6	3.45
632772	255 295	75	< 1	7.80	< 100	< 10	< 20	8.35	< 10	60	190	120	13.25	0.2	3.20
632773	255 295	10	< 1	4.55	< 100	< 10	< 20	9.25	< 10	50	110	170	15.10	0.1	3.95
632774	255 295	5	< 1	6.35	< 100	< 10	< 20	9.45	< 10	50	210	190	15.40	0.2	3.60
632775	255 295	155	4	6.25	100	< 10	< 20	4.65	< 10	40	180	460	8.75	0.6	2.40
632776	255 295	5	< 1	7.15	100	< 10	< 20	6.90	< 10	40	110	100	10.30	0.8	2.90
632777	255 295	150	3	5.40	< 100	< 10	< 20	9.35	< 10	50	140	270	13.70	0.6	3.10
632778	255 295	160	3	3.00	< 100	< 10	< 20	7.55	10	40	130	270	12.15	0.4	3.05
632779	255 295	10	< 1	8.60	100	< 10	< 20	5.95	< 10	50	220	160	13.40	0.5	2.70
632780	255 295	180	1	4.65	100	< 10	< 20	7.45	< 10	30	160	220	6.70	1.0	1.25
632781	255 295	15	1	9.85	300	< 10	< 20	4.95	< 10	40	170	230	10.35	1.7	2.35
632782	255 295	145	4	1.80	< 100	< 10	< 20	8.60	< 10	10	190	120	3.75	0.5	0.60
632783	255 295	340	3	4.25	100	< 10	< 20	8.60	< 10	40	200	180	6.45	1.0	1.30
632784	255 295	< 5	< 1	8.35	< 100	< 10	< 20	7.85	< 10	50	300	90	11.20	0.7	2.40
632785	255 295	10	< 1	9.25	< 100	< 10	< 20	9.40	< 10	50	320	90	10.05	0.4	2.65
632786	255 295	< 5	< 1	8.75	< 100	< 10	< 20	8.35	< 10	50	220	80	9.85	0.6	2.50
632787	255 295	< 5	< 1	9.10	100	< 10	< 20	8.60	< 10	50	230	170	11.10	0.8	2.80
632788	255 295	< 5	< 1	7.00	< 100	< 10	< 20	8.10	< 10	70	250	290	16.75	0.1	2.60

CERTIFICATION:

Sato



ALS Chemex

Aurora Laboratory Services Ltd.
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 5175 Timberlea Blvd., Mississauga
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TO: GOLDCORP INC.

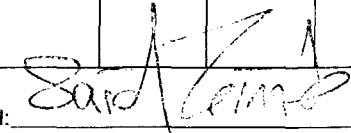
2700 - 145 KING ST., W.
 TORONTO, ON
 M5H 3T7

Project: RW01-164
 Comments: ATTN: D.HUNT CC: MICHAEL DEHN

Page Number: B
 Total Pages: 3
 Certificate Date: 19-JUL-2001
 Invoice No.: 10120216
 P.O. Number: RW-01-164
 Account: IKH

CERTIFICATE OF ANALYSIS A0120216

SAMPLE	PREP CODE	Mn ppm (ICP)	Mo ppm (ICP)	Na % (ICP)	Ni ppm (ICP)	Pb % AAS	Sr ppm (ICP)	Ti % (ICP)	V ppm (ICP)	Zn ppm (ICP)				
632749	255 295	2640	< 10	1.30	140	0.001	50	0.40	260	140				
632750	255 295	870	< 10	3.85	10	0.001	1090	0.35	110	80				
632751	255 295	2400	< 10	1.35	140	< 0.001	60	0.40	250	160				
632752	255 295	2430	< 10	1.40	120	0.001	40	0.45	260	140				
632753	255 295	3470	< 10	0.85	100	0.040	30	0.30	210	220				
632754	255 295	1800	20	1.10	110	0.012	30	0.40	210	160				
632755	255 295	2080	< 10	1.45	110	0.004	80	0.35	240	100				
632756	255 295	2580	10	1.10	140	0.001	70	0.40	280	160				
632757	255 295	1680	< 10	1.20	90	0.003	70	0.35	220	100				
632758	255 295	3700	10	0.75	100	0.001	60	0.35	240	140				
632759	255 295	2970	10	0.95	120	0.002	80	0.45	270	120				
632760	255 295	3570	10	0.65	110	0.002	100	0.40	250	120				
632761	255 295	4230	10	0.25	100	0.001	70	0.35	230	100				
632762	255 295	5950	40	0.40	80	0.001	60	0.30	210	80				
632763	255 295	5300	< 10	0.85	30	0.002	90	0.20	140	80				
632764	255 295	4400	< 10	0.20	80	0.003	50	0.30	200	100				
632765	255 295	4420	10	0.60	80	0.051	30	0.30	200	600				
632766	255 295	1770	< 10	2.10	90	0.003	150	0.30	160	120				
632767	255 295	1030	20	0.35	110	0.002	40	0.45	270	60				
632768	255 295	1120	10	1.10	140	0.002	70	0.50	310	60				
632769	255 295	2030	10	0.50	150	0.001	70	0.45	270	80				
632770	255 295	2010	< 10	0.60	130	< 0.001	60	0.55	320	80				
632771	255 295	5470	10	0.45	110	< 0.001	40	0.30	240	120				
632772	255 295	5220	10	0.40	130	0.001	50	0.45	360	120				
632773	255 295	5020	< 10	0.15	100	< 0.001	10	0.25	220	100				
632774	255 295	5250	< 10	0.25	110	0.001	70	0.35	270	140				
632775	255 295	2960	10	1.20	70	0.011	20	0.25	170	240				
632776	255 295	3460	< 10	1.15	90	< 0.001	80	0.30	180	140				
632777	255 295	4720	20	0.30	100	0.001	40	0.30	250	1000				
632778	255 295	4270	< 10	0.15	70	0.001	< 10	0.15	170	1580				
632779	255 295	4110	< 10	1.60	150	0.001	30	0.45	280	180				
632780	255 295	2360	< 10	0.75	100	0.002	< 10	0.25	130	1340				
632781	255 295	3130	< 10	2.10	170	0.003	10	0.50	270	240				
632782	255 295	1890	< 10	0.20	40	0.026	< 10	0.05	50	540				
632783	255 295	3020	< 10	0.20	60	0.005	30	0.20	110	640				
632784	255 295	4010	10	0.60	150	0.001	30	0.35	220	140				
632785	255 295	3520	< 10	0.60	170	0.001	50	0.40	230	120				
632786	255 295	3520	< 10	0.65	130	< 0.001	30	0.40	220	120				
632787	255 295	3480	10	0.60	150	0.001	40	0.35	220	120				
632788	255 295	3380	< 10	0.25	180	0.001	20	0.30	210	100				

CERTIFICATION: 



ALS Chemex

Aurora Laboratory Services Ltd.
 Analytical Chemists * Geochemists * Registered Assayers
 5175 Timberlea Blvd., Mississauga
 Ontario, Canada L4W 2S3
 PHONE: 905-624-2806 FAX: 905-624-6163

To: GOLDCORP INC.

2700 - 145 KING ST., W.
 TORONTO, ON
 M5H 3T7

Page Number: 2-A
 Total Pages: 3
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 Invoice No.: I0120216
 P.O. Number: RW-01-164
 Account: IKH

Project: RW01-164
 Comments: ATTN: D.HUNT CC: MICHAEL DEHN

CERTIFICATE OF ANALYSIS A0120216

SAMPLE	PREP CODE	Au ppb RUSH	Ag ppm AAS	Al % (ICP)	Ba ppm (ICP)	Be ppm (ICP)	Bi ppm (ICP)	Ca % (ICP)	Cd ppm (ICP)	Co ppm (ICP)	Cr ppm (ICP)	Cu ppm (ICP)	Fe % (ICP)	K % (ICP)	Mg % (ICP)
632789	255 295	< 5	1	8.45	< 100	< 10	< 20	8.65	< 10	60	330	120	13.25	0.6	2.95
632790	255 295	10	< 1	8.85	< 100	< 10	< 20	8.60	< 10	70	310	< 10	14.40	0.4	2.65
632791	255 295	< 5	< 1	14.20	600	< 10	< 20	7.25	< 10	70	410	< 10	5.20	2.6	1.35
632792	255 295	< 5	1	5.50	< 100	< 10	< 20	9.30	< 10	60	150	690	19.40	0.2	3.85
632793	255 295	< 5	< 1	9.65	100	< 10	< 20	8.15	< 10	40	340	50	10.65	0.9	1.95
632794	255 295	5	< 1	7.35	< 100	< 10	< 20	9.60	< 10	60	140	210	17.45	0.3	3.15
632795	255 295	< 5	< 1	5.70	< 100	< 10	< 20	7.35	< 10	40	140	380	22.4	0.3	3.80
632796	255 295	10	< 1	4.80	< 100	< 10	< 20	7.35	< 10	80	100	410	23.2	0.2	4.00
632797	255 295	< 5	< 1	4.90	< 100	< 10	< 20	7.40	< 10	40	120	230	21.9	0.5	3.55
632798	255 295	15	< 1	7.50	100	< 10	< 20	7.30	< 10	50	140	160	19.10	0.7	3.45
632799	255 295	< 5	< 1	2.15	< 100	< 10	< 20	6.85	< 10	10	50	< 10	>30.0	< 0.1	4.85
632800	255 295	< 5	< 1	9.45	600	< 10	< 20	4.75	< 10	10	60	< 10	4.85	1.0	1.50
632801	255 295	< 5	1	2.50	< 100	< 10	< 20	7.85	< 10	20	80	10	>30.0	< 0.1	5.15
632802	255 295	60	< 1	7.65	100	< 10	< 20	5.25	< 10	80	150	500	19.05	1.1	3.30
632803	255 295	115	3	6.45	100	< 10	< 20	4.80	< 10	60	130	180	11.45	1.0	2.15
632804	255 295	80	3	6.10	< 100	< 10	< 20	7.35	< 10	170	120	190	21.0	0.2	2.60
632805	255 295	< 5	< 1	8.40	300	< 10	< 20	8.00	< 10	30	170	90	15.50	1.0	2.60
632806	255 295	< 5	< 1	2.95	< 100	< 10	< 20	8.35	< 10	30	100	< 10	28.7	< 0.1	4.10
632807	255 295	< 5	< 1	6.20	< 100	< 10	< 20	8.15	< 10	60	140	70	24.3	0.1	4.35
632808	255 295	5	< 1	8.15	< 100	< 10	< 20	8.75	< 10	60	150	330	16.90	0.1	2.85
632809	255 295	< 5	1	8.80	< 100	< 10	< 20	6.70	< 10	70	240	< 10	7.45	0.3	2.10
632810	255 295	10	< 1	8.00	< 100	< 10	< 20	8.75	< 10	100	150	10	11.65	0.1	3.05
632811	255 295	< 5	< 1	9.55	400	< 10	< 20	7.90	< 10	50	150	< 10	8.75	1.2	2.45
632812	255 295	< 5	< 1	8.75	100	< 10	< 20	9.15	< 10	50	150	< 10	9.10	0.8	2.85
632813	255 295	60	1	6.25	< 100	< 10	< 20	7.05	< 10	60	140	630	17.05	0.5	3.15
632814	255 295	45	1	7.20	200	< 10	< 20	7.35	< 10	50	270	550	15.10	1.0	3.15
632815	255 295	< 5	< 1	8.30	200	< 10	< 20	10.25	< 10	50	260	< 10	6.55	1.8	2.75
632816	255 295	5	< 1	8.45	100	< 10	< 20	10.20	< 10	40	240	< 10	5.95	1.8	2.60
632817	255 295	10	< 1	7.80	< 100	< 10	< 20	10.65	< 10	50	340	< 10	6.50	0.4	3.40
632818	255 295	10	< 1	8.10	< 100	< 10	< 20	10.60	< 10	50	290	< 10	6.80	0.5	3.20
632819	255 295	25	< 1	6.95	200	< 10	< 20	8.05	< 10	40	260	30	7.30	1.2	3.30
632820	255 295	15	< 1	2.65	< 100	< 10	< 20	11.30	< 10	10	170	< 10	4.55	0.4	1.05
632821	255 295	190	< 1	4.45	< 100	< 10	< 20	5.45	< 10	60	10	140	21.6	0.1	3.10
632822	255 295	10	< 1	6.50	< 100	< 10	< 20	8.90	< 10	40	60	80	12.40	< 0.1	3.10
632823	255 295	< 5	< 1	8.60	< 100	< 10	< 20	7.90	< 10	20	50	< 10	10.95	0.4	2.60
632824	255 295	10	1	10.30	400	< 10	< 20	8.65	< 10	50	190	40	5.20	3.6	1.40
632825	255 295	40	1	11.45	500	< 10	< 20	7.45	< 10	50	260	30	8.70	3.7	2.75
632826	255 295	15	1	10.70	400	< 10	< 20	8.35	< 10	80	300	< 10	8.95	3.5	2.00
632827	255 295	10	< 1	9.35	300	< 10	< 20	10.40	< 10	50	210	40	8.00	2.9	2.35
632828	255 295	20	< 1	9.80	400	< 10	< 20	11.10	< 10	60	220	< 10	8.60	3.3	2.05

CERTIFICATION:

Signature



ALS Chemex

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GC DRP

2700 - 145 KING ST., W.
 TORONTO, ON
 M5H 3T7

Project: RW01-164
 Comments: ATTN: D.HUNT CC: MICHAEL DEHN

F umber B
 Total Pages 13
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CERTIFICATE OF ANALYSIS A0120216

SAMPLE	PREP CODE	Mn ppm (ICP)	Mo ppm (ICP)	Na % (ICP)	Ni ppm (ICP)	Pb % AAS	Sr ppm (ICP)	Ti % (ICP)	V ppm (ICP)	Zn ppm (ICP)				
632789	255 295	4660	< 10	0.60	160	< 0.001	40	0.35	280	140				
632790	255 295	5330	< 10	1.05	140	< 0.001	70	0.40	250	160				
632791	255 295	2600	100	1.70	150	< 0.001	90	0.60	310	80				
632792	255 295	7510	10	0.50	180	0.001	30	0.25	160	160				
632793	255 295	4320	< 10	1.20	140	< 0.001	80	0.45	270	100				
632794	255 295	6680	< 10	0.55	130	0.001	60	0.35	210	140				
632795	255 295	5770	< 10	0.50	130	0.001	50	0.25	250	160				
632796	255 295	6340	< 10	0.40	170	0.002	20	0.25	140	140				
632797	255 295	8520	< 10	0.45	160	0.002	30	0.35	210	180				
632798	255 295	6660	< 10	0.75	130	0.002	60	0.40	230	180				
632799	255 295	10620	10	0.20	80	0.002	< 10	0.10	150	260				
632800	255 295	880	< 10	3.65	< 10	0.001	1040	0.30	100	100				
632801	255 295	12110	10	0.20	100	< 0.001	10	0.15	240	260				
632802	255 295	8150	< 10	0.55	110	0.001	< 10	0.40	330	220				
632803	255 295	5150	< 10	1.00	100	0.003	< 10	0.35	200	160				
632804	255 295	9940	10	0.40	120	0.003	30	0.30	260	220				
632805	255 295	8140	< 10	1.05	130	0.001	60	0.40	300	180				
632806	255 295	10690	< 10	0.25	90	0.001	< 10	0.15	290	220				
632807	255 295	11720	< 10	0.20	150	< 0.001	30	0.30	340	220				
632808	255 295	10830	< 10	0.25	170	< 0.001	80	0.40	220	160				
632809	255 295	3590	< 10	1.80	190	< 0.001	80	0.50	250	100				
632810	255 295	3840	< 10	0.55	150	< 0.001	60	0.45	260	120				
632811	255 295	3080	< 10	1.20	170	0.001	60	0.45	250	120				
632812	255 295	3240	< 10	0.55	190	0.001	60	0.40	230	120				
632813	255 295	3640	< 10	0.45	190	0.001	30	0.30	230	140				
632814	255 295	3460	10	0.80	170	< 0.001	30	0.25	260	120				
632815	255 295	2870	< 10	0.30	140	0.001	10	0.25	210	100				
632816	255 295	2980	< 10	0.45	140	0.001	30	0.35	230	100				
632817	255 295	2340	< 10	0.85	200	0.001	100	0.30	190	100				
632818	255 295	2460	< 10	0.70	170	0.002	80	0.35	200	100				
632819	255 295	2000	10	0.55	130	0.001	20	0.25	180	100				
632820	255 295	2780	< 10	0.30	10	0.001	10	0.20	140	60				
632821	255 295	5770	< 10	0.20	80	0.002	< 10	0.70	410	240				
632822	255 295	4960	< 10	0.30	50	0.001	30	0.60	430	140				
632823	255 295	4870	< 10	0.85	40	0.001	40	0.90	450	120				
632824	255 295	2200	< 10	0.35	70	< 0.001	< 10	0.40	330	80				
632825	255 295	1700	< 10	0.40	120	0.006	< 10	0.30	440	100				
632826	255 295	2210	< 10	0.40	160	0.001	50	0.25	380	100				
632827	255 295	2630	< 10	0.35	120	0.003	80	0.30	330	120				
632828	255 295	2370	< 10	0.35	130	0.001	80	0.35	360	120				

CERTIFICATION:



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To: GOLDCORP INC.

2700 - 145 KING ST., W.
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 M5H 3T7

Project: RW01-164
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Page Number: A
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CERTIFICATE OF ANALYSIS A0120216

SAMPLE	PREP CODE	Au ppb RUSH	Ag ppm AAS	Al % (ICP)	Ba ppm (ICP)	Be ppm (ICP)	Bi ppm (ICP)	Ca % (ICP)	Cd ppm (ICP)	Co ppm (ICP)	Cr ppm (ICP)	Cu ppm (ICP)	Fe % (ICP)	K % (ICP)	Mg % (ICP)
632829	255 295	10	< 1	9.90	300	< 10	< 20	12.35	< 10	50	210	< 10	8.75	2.5	3.00
632830	255 295	10	< 1	10.05	400	< 10	< 20	11.55	< 10	50	200	< 10	7.65	3.7	1.55
632831	255 295	10	< 1	10.70	400	< 10	< 20	7.60	< 10	50	220	< 10	8.80	3.4	2.00
632832	255 295	145	2	9.85	300	< 10	< 20	7.15	< 10	60	320	< 10	11.25	1.7	3.00
632833	255 295	40	2	6.75	100	< 10	< 20	18.20	< 10	30	260	70	10.15	0.9	3.45
632834	255 295	70	1	8.40	100	< 10	< 20	10.35	< 10	60	300	100	15.10	0.9	4.80
632835	255 295	75	1	9.25	300	< 10	< 20	7.40	< 10	60	270	< 10	14.50	2.7	2.55
632836	255 295	5	1	7.10	200	< 10	< 20	15.20	< 10	40	110	30	8.20	1.8	2.45
632837	255 295	40	< 1	9.65	500	< 10	< 20	11.30	< 10	50	150	160	7.85	3.0	2.20
632838	255 295	35	< 1	11.95	700	< 10	< 20	3.40	< 10	50	270	90	8.15	4.3	1.75
632839	255 295	225	1	8.70	400	< 10	< 20	6.85	< 10	90	240	90	12.85	2.4	2.35
632840	255 295	15	< 1	9.25	400	< 10	< 20	3.70	< 10	40	250	170	12.55	1.8	2.05
632841	255 295	55	< 1	4.70	100	< 10	< 20	4.20	< 10	10	160	30	8.20	0.5	1.25
632842	255 295	25	< 1	5.90	< 100	< 10	< 20	10.65	< 10	50	180	400	18.50	0.1	2.25
632843	255 295	20	< 1	6.60	< 100	< 10	< 20	11.70	< 10	60	210	500	18.60	0.1	2.80
632844	255 295	40	< 1	5.10	< 100	< 10	< 20	10.95	< 10	40	170	400	23.5	0.1	2.95
632845	255 295	35	1	4.15	< 100	< 10	< 20	10.70	< 10	70	130	610	22.5	0.1	2.80
632846	255 295	< 5	< 1	6.35	< 100	< 10	< 20	8.10	< 10	30	160	60	22.3	0.4	2.85
632847	255 295	10	1	5.80	< 100	< 10	< 20	10.15	< 10	50	190	400	19.05	0.3	2.75
632848	255 295	10	1	7.40	100	< 10	< 20	11.75	< 10	50	230	430	13.35	0.3	3.50
632849	255 295	15	1	7.00	100	< 10	< 20	12.15	< 10	70	210	440	11.85	0.5	2.75
632850	255 295	< 5	< 1	10.00	600	< 10	< 20	4.75	< 10	10	50	< 10	4.80	1.1	1.50
632851	255 295	10	1	7.75	< 100	< 10	< 20	9.25	< 10	80	250	530	13.30	0.3	2.30
632852	255 295	15	1	7.15	100	< 10	< 20	9.60	< 10	60	220	350	11.50	0.5	2.60
632853	255 295	20	< 1	7.05	100	< 10	< 20	13.60	< 10	70	230	120	7.90	0.9	2.75

CERTIFICATION: 



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SAMPLE	PREP CODE	Mn ppm (ICP)	Mo ppm (ICP)	Na % (ICP)	Ni ppm (ICP)	Pb % AAS	Sr ppm (ICP)	Ti % (ICP)	V ppm (ICP)	Zn ppm (ICP)					
632829	255 295	2470	< 10	0.40	130	0.002	40	0.35	380	180					
632830	255 295	1630	< 10	0.45	140	0.001	30	0.45	360	100					
632831	255 295	2110	< 10	0.65	130	0.003	40	0.40	340	120					
632832	255 295	2820	< 10	1.55	90	0.004	40	0.20	290	160					
632833	255 295	4160	< 10	0.45	70	0.001	60	0.10	220	180					
632834	255 295	3330	< 10	0.50	90	0.004	10	0.10	260	220					
632835	255 295	1680	< 10	0.35	130	0.005	< 10	0.25	360	120					
632836	255 295	3910	< 10	0.35	50	0.003	< 10	0.35	310	100					
632837	255 295	2780	< 10	0.35	70	0.002	50	0.40	380	120					
632838	255 295	1210	< 10	0.70	90	< 0.001	10	0.45	430	100					
632839	255 295	2540	< 10	0.50	130	< 0.001	20	0.30	350	120					
632840	255 295	2600	< 10	0.85	90	< 0.001	< 10	0.60	360	120					
632841	255 295	1780	< 10	1.05	40	0.004	30	0.15	130	160					
632842	255 295	5090	< 10	0.25	150	0.001	40	0.35	250	120					
632843	255 295	5640	< 10	0.25	160	0.002	60	0.35	300	140					
632844	255 295	6470	< 10	0.30	160	0.001	10	0.30	270	140					
632845	255 295	6730	< 10	0.30	160	0.003	20	0.25	210	160					
632846	255 295	5890	< 10	0.90	100	0.002	70	0.30	240	200					
632847	255 295	4950	< 10	0.25	150	0.002	60	0.30	260	160					
632848	255 295	4900	< 10	0.20	110	0.003	60	0.40	280	180					
632849	255 295	4380	< 10	0.45	150	0.003	60	0.35	290	160					
632850	255 295	800	< 10	3.65	< 10	< 0.001	1090	0.35	100	100					
632851	255 295	3500	< 10	0.55	200	0.003	60	0.45	370	180					
632852	255 295	3390	< 10	0.80	150	0.003	50	0.40	290	180					
632853	255 295	3090	< 10	1.05	90	0.001	40	0.40	300	120					

CERTIFICATION:



ALS Chemex
 Aurora Laboratory Services Ltd.
 Analytical Chemists * Geochemists * Registered Assayers
 5175 Timberlea Blvd., Mississauga
 Ontario, Canada L4W 2S3
 PHONE: 905-824-2808 FAX: 905-824-8163

To: GOLDCORP INC.
 2700 - 145 KING ST., W.
 TORONTO, ON
 M5H 3T7

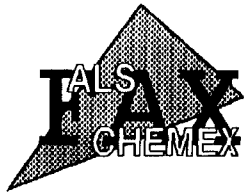
Page Number : 1-A
 Total Pages : 1
 Certificate Date: 14-AUG-01
 Invoice No. : 10121816
 P.O. Number : RW-01-158
 Account : IKH

Project : RW-01-158
 Comments : ATTN: D. HUNT CC: MICHAEL DEHN

CERTIFICATE OF ANALYSIS A0121816

SAMPLE	PREP CODE	Au ppb RUSH	Ag ppm AAS	Al % (ICP)	Ba ppm (ICP)	Be ppm (ICP)	Bi ppm (ICP)	Ca % (ICP)	Cd ppm (ICP)	Co ppm (ICP)	Cr ppm (ICP)	Cu ppm (ICP)	Fe % (ICP)	K % (ICP)	Mg % (ICP)
666208	255 295	10	< 1	6.45	100	< 10	< 20	8.15	< 10	40	170	80	7.60	0.7	3.10
666209	255 295	< 5	< 1	6.65	100	< 10	< 20	9.35	< 10	60	190	240	9.05	0.5	3.60
666210	255 295	< 5	< 1	8.40	< 100	< 10	< 20	9.40	< 10	60	220	190	9.05	0.8	3.20
666211	255 295	< 5	< 1	7.35	100	< 10	< 20	9.95	< 10	50	210	90	8.70	0.6	4.30
666212	255 295	< 5	< 1	7.40	< 100	< 10	< 20	9.40	< 10	60	220	90	8.80	0.3	3.75
666213	255 295	10	< 1	4.90	< 100	< 10	< 20	11.85	< 10	30	100	120	8.25	0.8	5.00
666214	255 295	10	< 1	7.30	100	< 10	< 20	9.00	< 10	50	180	130	6.20	1.2	2.70
666215	255 295	25	< 1	9.00	< 100	< 10	< 20	10.00	< 10	50	290	370	6.90	0.4	2.35
666216	255 295	5	< 1	8.40	200	< 10	< 20	1.50	< 10	20	70	40	1.85	3.2	0.55
666217	255 295	< 5	< 1	8.90	300	< 10	< 20	1.05	< 10	10	100	20	1.15	3.7	0.40
666218	255 295	10	< 1	8.35	200	< 10	< 20	2.65	< 10	10	90	50	2.60	2.9	1.00
666219	255 295	10	< 1	8.30	200	< 10	< 20	2.25	< 10	10	100	40	3.00	2.8	0.90
666220	255 295	10	< 1	7.50	200	< 10	< 20	0.70	< 10	< 10	80	< 10	0.80	3.1	0.40
666221	255 295	10	< 1	7.40	100	< 10	< 20	1.10	< 10	< 10	100	< 10	0.90	2.8	0.45

CERTIFICATION: _____



ALS Chemex

Aurora Laboratory Services Ltd.
 Analytical Chemists * Geochemists * Registered Assayers
 5175 Timberlea Blvd., Mississauga
 Ontario, Canada L4W 2S3
 PHONE: 905-824-2808 FAX: 905-824-6183

To: GOLDCORP INC.

2700 - 145 KING ST., W.
 TORONTO, ON
 M5H 3T7

Project: RW-01-158
 Comments: ATTN: D. HUNT CC: MICHAEL DEHN

Page Number : 1-B
 Total Pages : 1
 Certificate Date: 14-AUG-01
 Invoice No. : 10121816
 P.O. Number : RW-01-158
 Account : IKH

CERTIFICATE OF ANALYSIS A0121816

SAMPLE	PREP CODE	Mn ppm (ICP)	Mo ppm (ICP)	Na % (ICP)	Ni ppm (ICP)	Pb % AAS	Sr ppm (ICP)	Ti % (ICP)	V ppm (ICP)	Zn ppm (ICP)					
666208	255 295	2920	< 10	1.10	110	0.001	70	0.30	220	100					
666209	255 295	1980	< 10	1.05	120	0.001	80	0.30	250	80					
666210	255 295	1760	< 10	0.90	120	< 0.001	120	0.40	290	80					
666211	255 295	2010	< 10	0.65	120	< 0.001	70	0.35	250	80					
666212	255 295	1730	< 10	0.95	140	< 0.001	50	0.35	260	80					
666213	255 295	2970	< 10	0.40	70	< 0.001	30	0.25	190	100					
666214	255 295	2080	< 10	0.75	100	0.006	80	0.40	250	520					
666215	255 295	2300	< 10	1.30	110	< 0.001	70	0.50	280	60					
666216	255 295	640	< 10	0.25	40	0.001	50	0.35	60	640					
666217	255 295	380	< 10	0.25	20	< 0.001	30	0.35	70	80					
666218	255 295	1200	< 10	0.30	10	0.001	40	0.35	60	80					
666219	255 295	1240	< 10	0.25	10	< 0.001	70	0.35	50	80					
666220	255 295	250	< 10	0.20	< 10	0.003	40	0.15	20	120					
666221	255 295	300	< 10	0.20	10	0.001	40	0.15	10	80					

CERTIFICATION: _____

Work Report Summary

Transaction No: W0120.30614
 Recording Date: 2001-AUG-17
 Approval Date: 2001-SEP-20

Status: APPROVED
 Work Done from: 2001-JUN-10
 to: 2001-JUL-20

Client(s):
 125824 GOLDCORP INC.



Survey Type(s):
 ASSAY PDRILL

52M01SE2010 2.21962 TODD

900

Work Report Details:

Claim#	Perform	Perform Approve	Applied	Applied Approve	Assign	Assign Approve	Reserve	Reserve Approve	Due Date
KRL 541924	\$0	\$0	\$800	\$800	\$0	0	\$0	\$0	2004-FEB-03
KRL 541925	\$0	\$0	\$800	\$800	\$0	0	\$0	\$0	2004-FEB-03
KRL 541926	\$0	\$0	\$800	\$800	\$0	0	\$0	\$0	2004-FEB-03
KRL 541927	\$0	\$0	\$800	\$800	\$0	0	\$0	\$0	2004-FEB-03
KRL 541928	\$0	\$0	\$800	\$800	\$0	0	\$0	\$0	2004-FEB-03
KRL 541929	\$0	\$0	\$800	\$800	\$0	0	\$0	\$0	2004-FEB-03
KRL 541930	\$0	\$0	\$800	\$800	\$0	0	\$0	\$0	2004-FEB-03
KRL 541931	\$0	\$0	\$800	\$800	\$0	0	\$0	\$0	2004-FEB-03
KRL 541932	\$0	\$0	\$800	\$800	\$0	0	\$0	\$0	2004-FEB-03
KRL 541933	\$0	\$0	\$800	\$800	\$0	0	\$0	\$0	2004-FEB-03
KRL 541934	\$0	\$0	\$800	\$800	\$0	0	\$0	\$0	2004-FEB-03
KRL 541935	\$0	\$0	\$800	\$800	\$0	0	\$0	\$0	2003-FEB-03
KRL 541936	\$0	\$0	\$800	\$800	\$0	0	\$0	\$0	2003-FEB-03
KRL 541937	\$0	\$0	\$800	\$800	\$0	0	\$0	\$0	2003-FEB-03
KRL 541938	\$0	\$0	\$800	\$800	\$0	0	\$0	\$0	2003-FEB-03
KRL 541939	\$0	\$0	\$800	\$800	\$0	0	\$0	\$0	2003-FEB-03
KRL 541940	\$0	\$0	\$800	\$800	\$0	0	\$0	\$0	2003-FEB-03
KRL 541941	\$0	\$0	\$800	\$800	\$0	0	\$0	\$0	2003-FEB-03
KRL 541942	\$0	\$0	\$800	\$800	\$0	0	\$0	\$0	2003-FEB-03
KRL 541943	\$0	\$0	\$800	\$800	\$0	0	\$0	\$0	2003-FEB-03
KRL 541944	\$0	\$0	\$800	\$800	\$0	0	\$0	\$0	2003-FEB-03
KRL 541945	\$0	\$0	\$800	\$800	\$0	0	\$0	\$0	2003-FEB-03
KRL 541946	\$0	\$0	\$800	\$800	\$0	0	\$0	\$0	2003-FEB-03
KRL 541947	\$0	\$0	\$800	\$800	\$0	0	\$0	\$0	2003-FEB-03
KRL 541948	\$0	\$0	\$800	\$800	\$0	0	\$0	\$0	2003-FEB-03
KRL 541949	\$0	\$0	\$800	\$800	\$0	0	\$0	\$0	2003-FEB-03
KRL 541950	\$0	\$0	\$800	\$800	\$0	0	\$0	\$0	2003-FEB-03
KRL 541951	\$0	\$0	\$800	\$800	\$0	0	\$0	\$0	2003-FEB-03
KRL 563036	\$44,062	\$44,062	\$800	\$800	\$12,900	12,900	\$30,362	\$30,362	2004-OCT-05
KRL 563666	\$0	\$0	\$800	\$800	\$0	0	\$0	\$0	2004-AUG-25
KRL 563667	\$0	\$0	\$800	\$800	\$0	0	\$0	\$0	2004-AUG-25
KRL 563668	\$44,063	\$44,063	\$800	\$800	\$12,900	12,900	\$30,363	\$30,363	2004-AUG-25
KRL 563669	\$44,062	\$44,062	\$800	\$800	\$12,900	12,900	\$30,362	\$30,362	2004-AUG-25
KRL 563946	\$0	\$0	\$800	\$800	\$0	0	\$0	\$0	2004-NOV-19
KPL 563947	\$0	\$0	\$800	\$800	\$0	0	\$0	\$0	2004-NOV-19

Work Report Summary

Transaction No: W0120.30614

Status: APPROVED

Recording Date: 2001-AUG-17

Work Done from: 2001-JUN-10

Approval Date: 2001-SEP-20

to: 2001-JUL-20

Work Report Details:

Claim#	Perform	Perform Approve	Applied	Applied Approve	Assign	Assign Approve	Reserve	Reserve Approve	Due Date
KRL 563948	\$0	\$0	\$800	\$800	\$0	0	\$0	\$0	2004-NOV-19
KRL 563949	\$0	\$0	\$800	\$800	\$0	0	\$0	\$0	2004-NOV-19
KRL 563950	\$0	\$0	\$800	\$800	\$0	0	\$0	\$0	2004-NOV-19
KRL 623493	\$44,063	\$44,063	\$800	\$800	\$12,900	12,900	\$30,363	\$30,363	2004-FEB-18
KRL 1184146	\$0	\$0	\$800	\$800	\$0	0	\$0	\$0	2004-MAY-26
KRL 1184861	\$0	\$0	\$800	\$800	\$0	0	\$0	\$0	2007-JUL-21
KRL 1184862	\$0	\$0	\$4,000	\$4,000	\$0	0	\$0	\$0	2004-JUL-21
KRL 1184863	\$0	\$0	\$1,600	\$1,600	\$0	0	\$0	\$0	2005-JUL-21
KRL 1218922	\$0	\$0	\$1,200	\$1,200	\$0	0	\$0	\$0	2005-AUG-30
KRL 1218923	\$0	\$0	\$3,200	\$3,200	\$0	0	\$0	\$0	2004-JUL-25
KRL 1234138	\$0	\$0	\$2,400	\$2,400	\$0	0	\$0	\$0	2004-MAY-24
KRL 1234139	\$0	\$0	\$6,400	\$6,400	\$0	0	\$0	\$0	2004-MAY-24
KRL 1234151	\$0	\$0	\$3,200	\$3,200	\$0	0	\$0	\$0	2004-JUL-27
	\$176,250	\$176,250	\$54,800	\$54,800	\$51,600	\$51,600	\$121,450	\$121,450	

Status of claim is based on information currently on record.

Date: 2001-SEP-20

GEOSCIENCE ASSESSMENT OFFICE
933 RAMSEY LAKE ROAD, 6th FLOOR
SUDBURY, ONTARIO
P3E 6B5

GOLDCORP INC.
SUITE 2700
145 KING STREET WEST
TORONTO, ONTARIO
M5H 1J8 CANADA

Tel: (888) 415-9845
Fax: (877) 670-1555

Submission Number: 2.21962
Transaction Number(s): W0120.30614

Dear Sir or Madam

Subject: Approval of Assessment Work

We have approved your Assessment Work Submission with the above noted Transaction Number(s). The attached Work Report Summary indicates the results of the approval.

At the discretion of the Ministry, the assessment work performed on the mining lands noted in this work report may be subject to inspection and/or investigation at any time.

If you have any question regarding this correspondence, please contact LUCILLE JEROME by email at lucille.jerome@ndm.gov.on.ca or by phone at (705) 670-5858.

Yours Sincerely,



Ron Gashinski
Supervisor, Geoscience Assessment Office

Cc: Resident Geologist

Goldcorp Inc.
(Claim Holder)

Michael Alexander Dehn
(Agent)

Assessment File Library

Goldcorp Inc.
(Assessment Office)

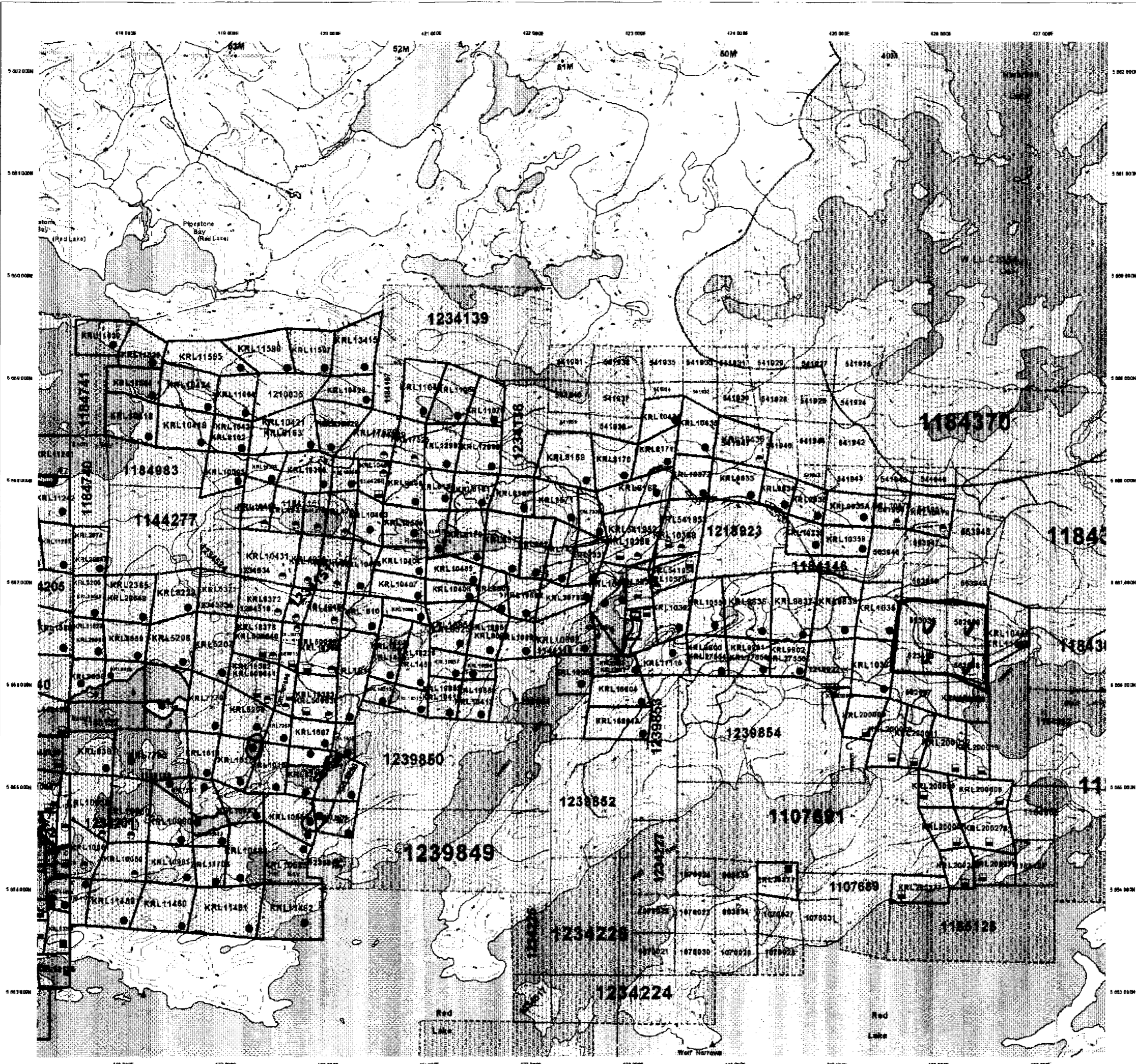


MINING LAND TENURE MAP

Date / Time of Issue Aug 23 2001 08:38h Eastern

TOWNSHIP / AREA PLAN TODD G-1789

ADMINISTRATIVE DISTRICTS / DIVISIONS Mining Division Red Lake Land Titles/Registry Division KENORA Ministry of Natural Resources District RED LAKE



TOPOGRAPHIC and LAND TENURE legend with symbols for various claim types and land tenure withdrawals.

LAND TENURE WITHDRAWAL DESCRIPTIONS

Table with columns: Identifier, Type, Date, Description. Row 1: WLL 12254, With, May 5 1998, SEC. 35 WLL 12254/98 UNIT MAY 8 1998/98.

IMPORTANT NOTICES Area under which special regulations, limitations or conditions could not affect mineral prospecting, mining or mineral development activities.

2.21962 PDRILL ASSAYS

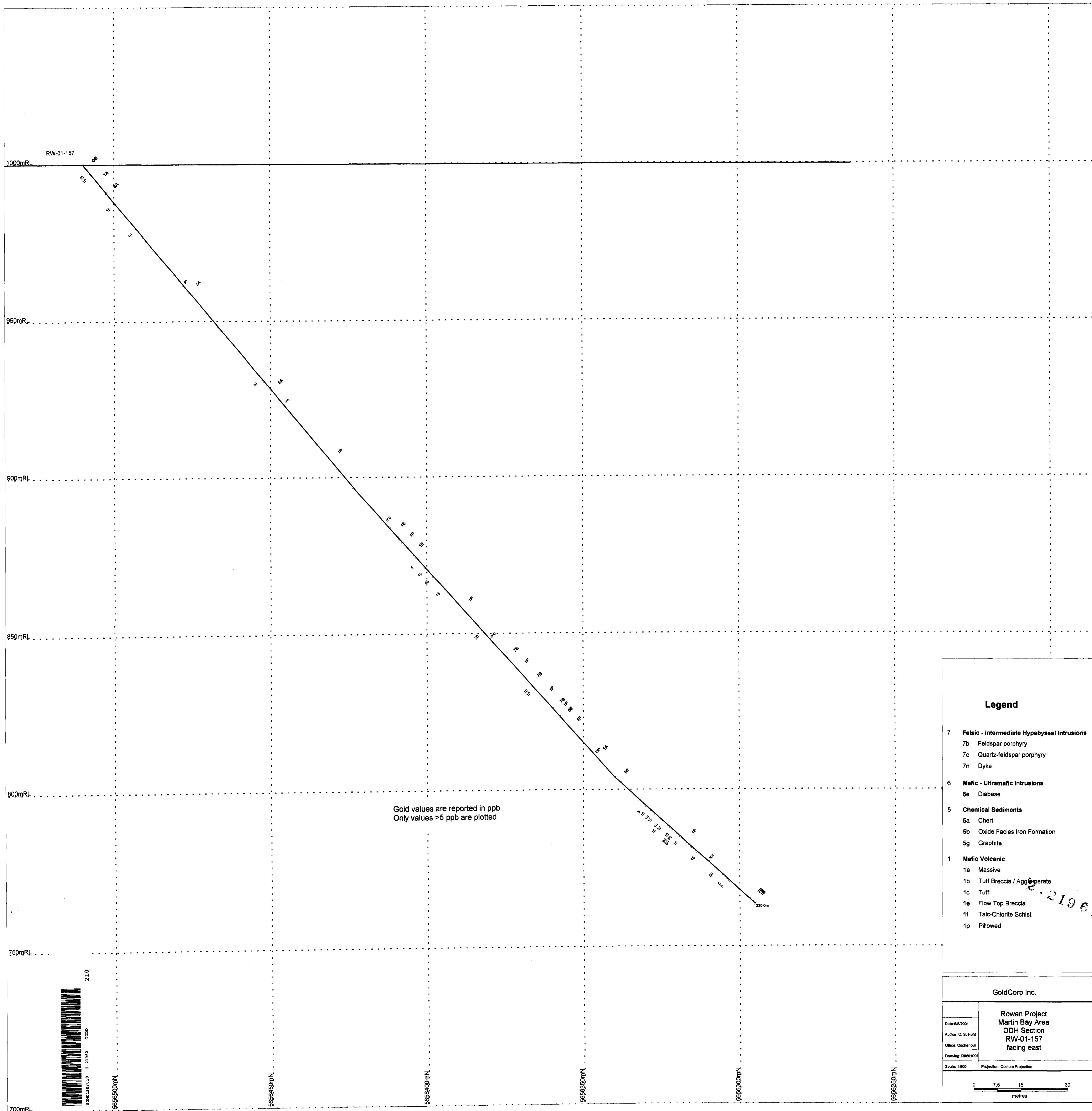


52M01SE2010 2.21962 TODD

These symbols to indicate mining claims should be used with the Provincial Mining Recorder's Office of the Ministry of Natural Resources and Forestry for additional information on the status of the units and the mining claims. The map is not intended for navigation, survey, or other purposes that require the use of the information shown on this map.

General Information and Limitations Contact Information: Provincial Mining Recorder's Office, 43 Ramsey Lake Road, Kenora, ON P7B 6K6. Tel: (807) 465-5945, Fax: (807) 465-5946.

This map may not show registered land tenure and interests in land including certain interests, easements, rights of way, riparian rights, mortgages, or other forms of disposition of rights and interests in land. Also, certain land tenure and interests in land may not be shown or may not be shown as intended.



Legend

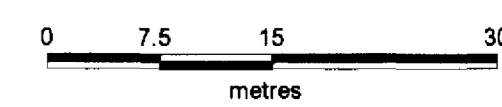
- 7 **Felsic - Intermediate Hypabyssal Intrusions**
 - 7a Feldspar porphyry
 - 7c Quartz-feldspar porphyry
 - 7n Dyke
- 6 **Mafic - Ultramafic Intrusions**
 - 6e Diabase
- 5 **Chemical Sediments**
 - 5a Chert
 - 5b Oxide Facies Iron Formation
 - 5g Graphite
- 1 **Mafic Volcanic**
 - 1a Massive
 - 1b Tuff Breccia / Agglomerate
 - 1c Tuff
 - 1e Flow Top Breccia
 - 1f Talc-Chlorite Schist
 - 1p Pillowed

GoldCorp Inc.

Date: 6/8/2001
Author: D. S. Hunt
Office: Cochenour
Drawing: RW01001

Rowan Project
Martin Bay Area
DDH Section
RW-01-157
facing east

Scale: 1:500 Projection: Custom Projection



210

5696500mN

5696450mN

5696400mN

5696350mN

5696300mN

5696250mN

700mRL

1000mRL

950mRL

900mRL

850mRL

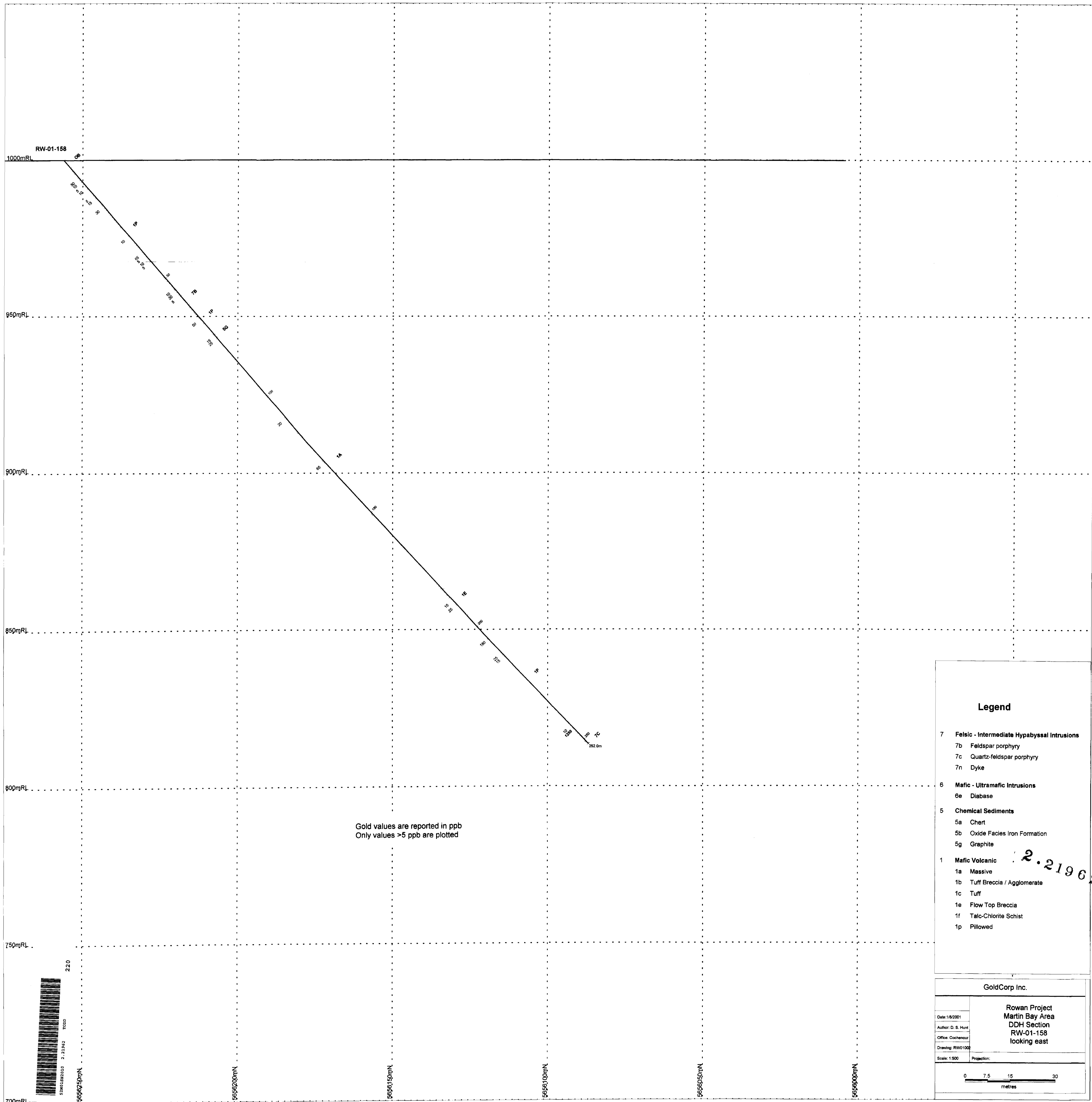
800mRL

750mRL

RW-01-157

320m

2.21962



Legend

- 7 **Felsic - Intermediate Hypabyssal Intrusions**
 - 7b Feldspar porphyry
 - 7c Quartz-feldspar porphyry
 - 7n Dyke
- 6 **Mafic - Ultramafic Intrusions**
 - 6e Diabase
- 5 **Chemical Sediments**
 - 5a Chert
 - 5b Oxide Facies Iron Formation
 - 5g Graphite
- 1 **Mafic Volcanic**
 - 1a Massive
 - 1b Tuff Breccia / Agglomerate
 - 1c Tuff
 - 1e Flow Top Breccia
 - 1f Talc-Chlorite Schist
 - 1p Pillowed

2.21962

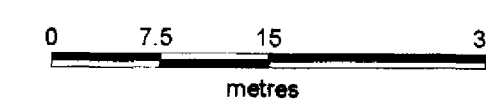
GoldCorp Inc.

Date: 1/8/2001
 Author: D. S. Hunt
 Office: Cochenour
 Drawing: RW01008

Rowan Project
 Martin Bay Area
 DDH Section
 RW-01-158
 looking east

Scale: 1:500

Projection:



220

52601882010 2-211962 0000

5656250mN

5656300mN

5656350mN

5656400mN

5656450mN

5656500mN

700mRL

750mRL

800mRL

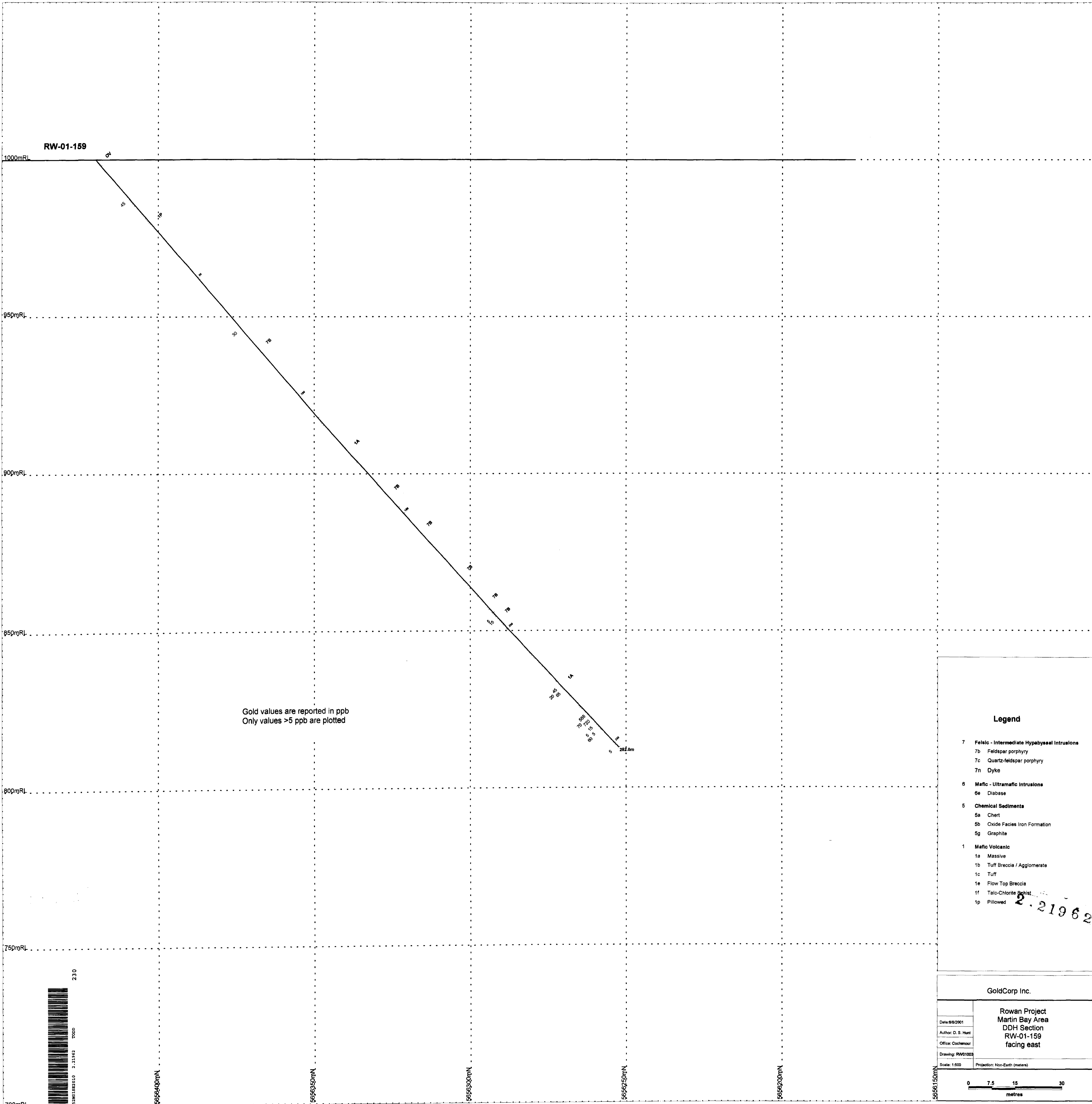
850mRL

900mRL

950mRL

1000mRL

RW-01-158



RW-01-159

1000mRL

950mRL

900mRL

850mRL

800mRL

750mRL

700mRL

Gold values are reported in ppb
Only values >5 ppb are plotted

Legend

- 7 Felsic - Intermediate Hypabyssal Intrusions
 - 7a Feldspar porphyry
 - 7c Quartz-feldspar porphyry
 - 7n Dyke
- 6 Mafic - Ultramafic intrusions
 - 6e Diabase
- 5 Chemical Sediments
 - 5a Chert
 - 5b Oxide Facies Iron Formation
 - 5g Graphite
- 1 Mafic Volcanic
 - 1a Massive
 - 1b Tuff Breccia / Agglomerate
 - 1c Tuff
 - 1e Flow Top Breccia
 - 1f Talc-Chlorite Schist
 - 1p Pillowed

2001

GoldCorp Inc.

Rowan Project
Martin Bay Area
DDH Section
RW-01-159
facing east

Date: 6/9/2001
Author: D. S. Hunt
Office: Cochenour
Drawing: RW01000

Scale: 1:500 Projection: Non-Earth (metres)



230

53M01827010 2:21362 7000

5656400mN

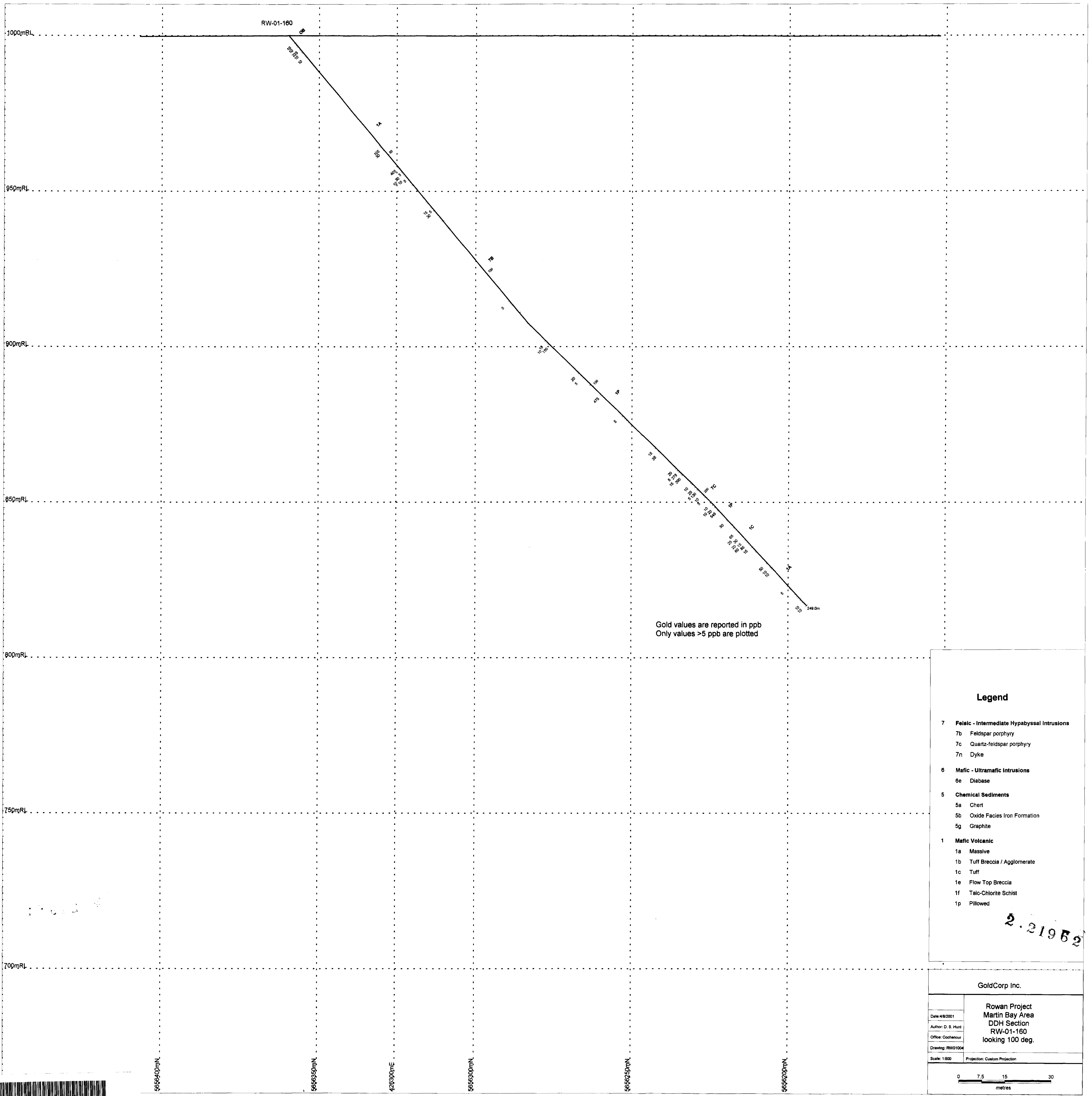
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5656500mN

5656550mN

5656600mN

5656650mN



Legend

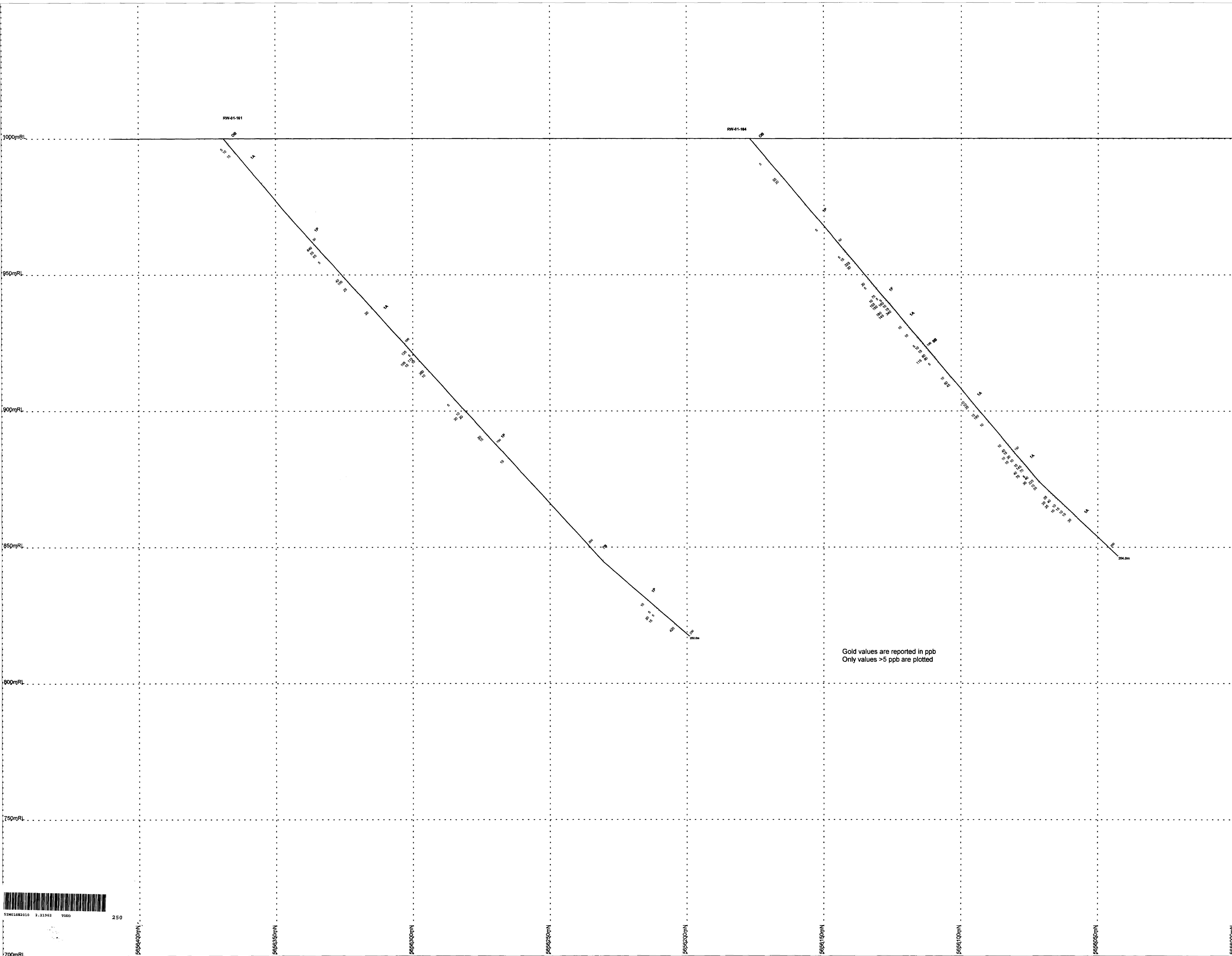
- 7 **Felsic - Intermediate Hypabyssal Intrusions**
 - 7b Feldspar porphyry
 - 7c Quartz-feldspar porphyry
 - 7n Dyke
- 6 **Mafic - Ultramafic Intrusions**
 - 6e Diabase
- 5 **Chemical Sediments**
 - 5a Chert
 - 5b Oxide Facies Iron Formation
 - 5g Graphite
- 1 **Mafic Volcanic**
 - 1a Massive
 - 1b Tuff Breccia / Agglomerate
 - 1c Tuff
 - 1e Flow Top Breccia
 - 1f Talc-Chlorite Schist
 - 1p Pillowed

2.21952

GoldCorp Inc.

Date: 4/8/2001	Rowan Project Martin Bay Area DDH Section RW-01-160 looking 100 deg.
Author: D. S. Hunt	
Office: Cochenour	
Drawing: RW01004	
Scale: 1:500	Projection: Custom Projection

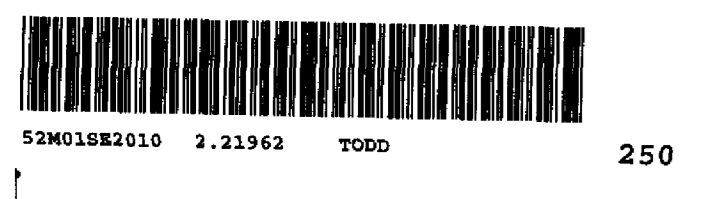
0 7.5 15 30
metres



Gold values are reported in ppb
Only values >5 ppb are plotted

Legend

- 7 Felsic - Intermediate Hypabyssal Intrusions
 - 7b Feldspar porphyry
 - 7c Quartz-feldspar porphyry
 - 7n Dyke
- 6 Mafic - Ultramafic Intrusions
 - 6e Diabase
- 5 Chemical Sediments
 - 5a Chert
 - 5b Oxide Facies Iron Formation
 - 5g Graphite
- 1 Mafic Volcanic
 - 1a Massive
 - 1b Tuff Breccia / Agglomerate
 - 1c Tuff
 - 1e Flow Top Breccia
 - 1f Talc-Chlorite Schist
 - 1p Pillowed



GoldCorp Inc.

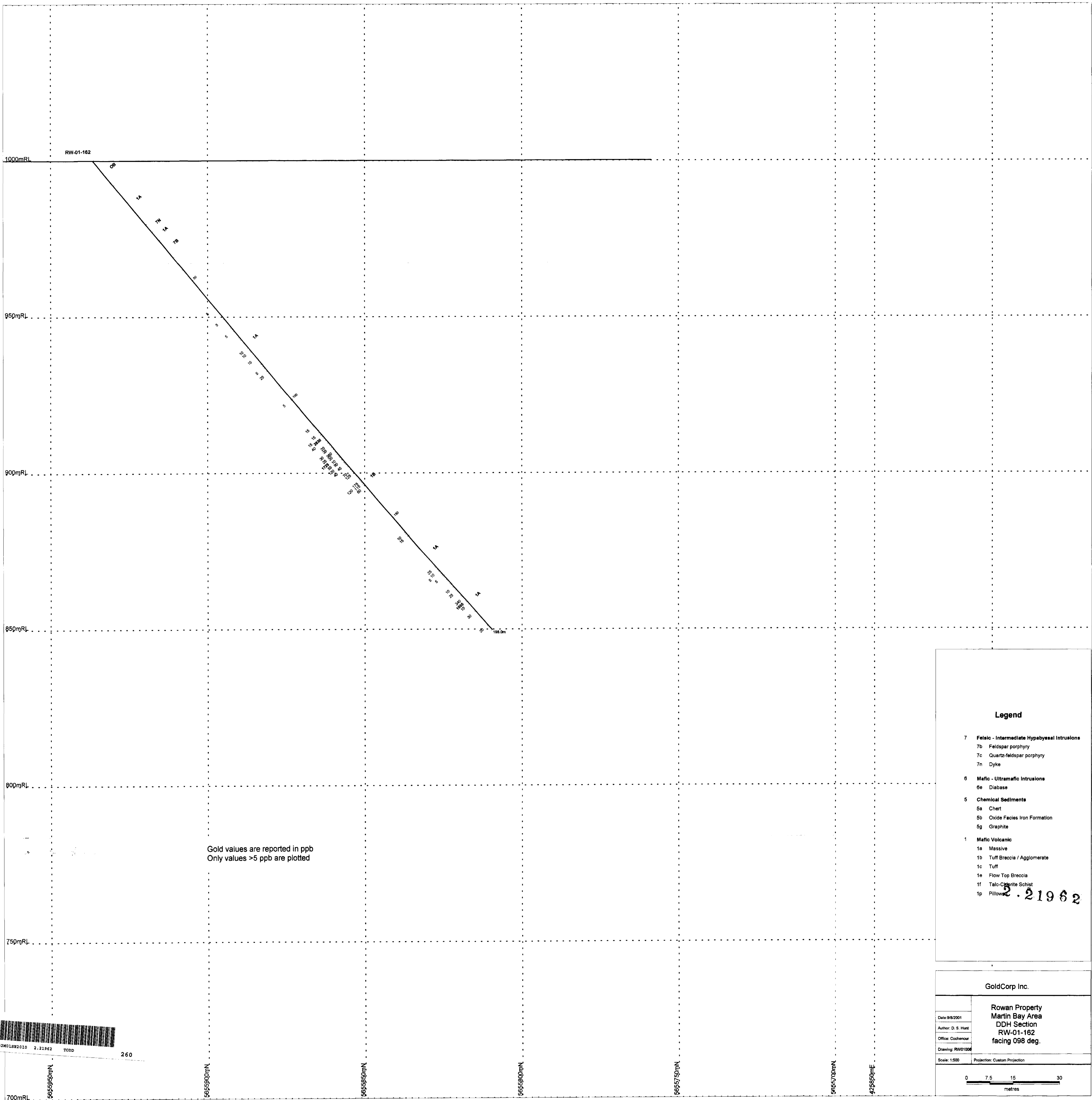
Rowan Project
Martin Bay Area
DDH Section
RW-01-161, RW-01-164
facing east

Date: 5/8/2001
Author: D. S. Hard
Office: Cochenour
Drawing: RW0100

Scale: 1:500 Projection: Non-Earth (metres)

0 7.5 15 30 metres

2.21962



Legend

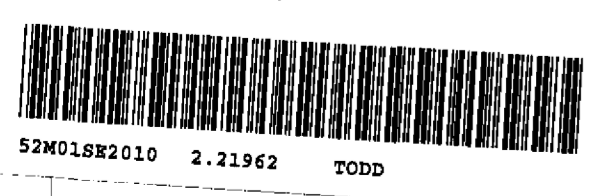
- 7 **Felsic - Intermediate Hypabyssal Intrusions**
 - 7b Feldspar porphyry
 - 7c Quartz-feldspar porphyry
 - 7n Dyke
- 6 **Mafic - Ultramafic Intrusions**
 - 6e Diabase
- 5 **Chemical Sediments**
 - 5a Chert
 - 5b Oxide Facies Iron Formation
 - 5g Graphite
- 1 **Mafic Volcanic**
 - 1a Massive
 - 1b Tuff Breccia / Agglomerate
 - 1c Tuff
 - 1e Flow Top Breccia
 - 1f Talc-Chlorite Schist
 - 1p Pillow

2.21962

GoldCorp Inc.

Rowan Property
Martin Bay Area
DDH Section
RW-01-162
facing 098 deg.

Scale: 1:500 Projection: Custom Projection



524018210 2.21962 TODD 260

5655850mN

5655900mN

5655850mN

5655800mN

5655750mN

5655700mN

4955850mE

700mRL

800mRL

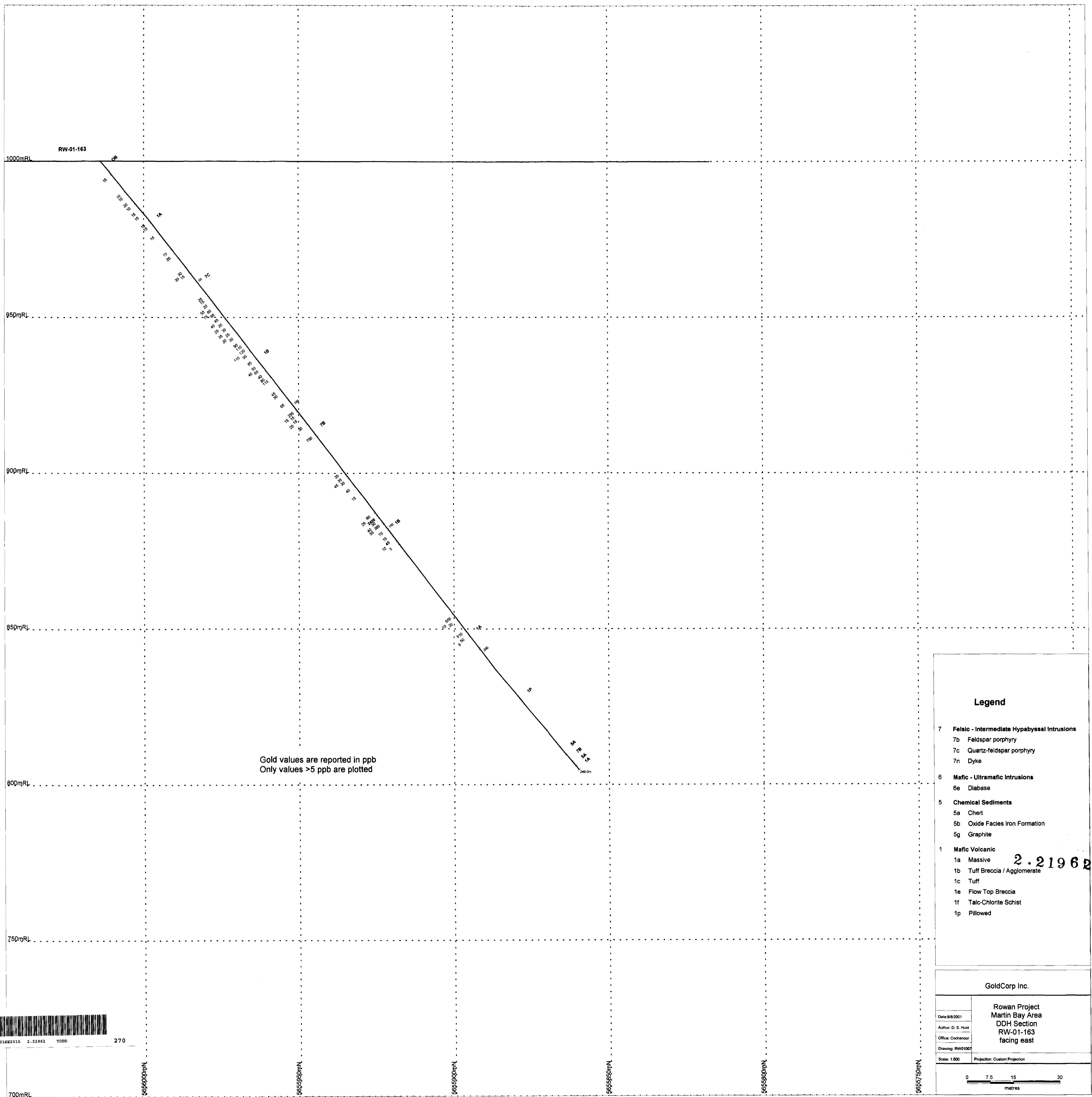
850mRL

900mRL

950mRL

1000mRL

RW-01-162



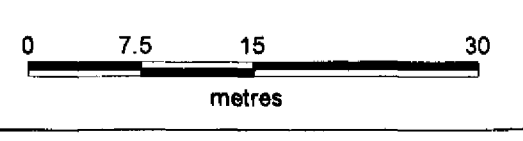
Legend

- 7 **Felsic - Intermediate Hypabyssal Intrusions**
 - 7b Feldspar porphyry
 - 7c Quartz-feldspar porphyry
 - 7n Dyke
- 6 **Mafic - Ultramafic Intrusions**
 - 6e Diabase
- 5 **Chemical Sediments**
 - 5a Chert
 - 5b Oxide Facies Iron Formation
 - 5g Graphite
- 1 **Mafic Volcanic**
 - 1a Massive
 - 1b Tuff Breccia / Agglomerate
 - 1c Tuff
 - 1e Flow Top Breccia
 - 1f Talc-Chlorite Schist
 - 1p Pillowed

2.21962

GoldCorp Inc.

Date: 9/2/2001	Rowan Project Martin Bay Area DDH Section RW-01-163 facing east
Author: D. S. Hunt	
Office: Cochenour	
Drawing: RW01007	
Scale: 1:500	Projection: Custom Projection



N4005600mN

N4005650mN

N4005700mN

N4005750mN

N4005800mN

N4005850mN

700mRL

750mRL

800mRL

850mRL

900mRL

950mRL

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RW-01-163