WATSON BAR GOLD PROJECT

BULK SAMPLE / ZONE V

Clinton Mining Division, British Columbia

Latitude 51˚ 53' 06" North
Longitude 122˚ 03' 30" West

UTM NAD 83
565700 mE
5656600 mN

NTS 092O.010

Durfeld Geological Management Ltd.
P.O. Box 4438 Station Main
Williams Lake, B.C. V2G 2V5

by:
R.M.(Rudi) Durfeld, B.Sc., P.Geo.
December 15th, 2008

TABLE OF CONTENTS

List of Illustrations (Item 26)

Item 3: Summary

Watson Bar Project Location Map Location Map

Watson Bar Project Location Map Location

Topographic Layers

- **Lakes 1:6M**
- **Rivers 1:6M**

BC Border Layers

- **BC Border 1:6M**

SCALE 1 : 14,134,026

200 0 200 400 600

KILOMETERS

N

Item 4: Introduction

Ongoing mineral exploration on the Watson Bar property continues to expand the extent of the shallow dipping auriferous quartz sulphide veins as Zone V. During the period September 24th to October 31st , 2007 Durfeld Geological Management conducted a bulk sampling program from the Zone V trench. This report documents the program execution and results. All work was supervised and compiled by RM Durfeld, P.Geo.

This report documents exploration expenditures filed as Statement of Work – Mineral (4237915) on September 23, 2008 with the Ministry of Energy and Mines.

Item 5: Reliance on Other Experts

There were no other experts involved in preparing this report.

Item 6: Property Description and Location

The Watson Bar property, covering some 5,059.6 hectares (12,502 acres) of mineral tenure in the Clinton Mining Division, lies 33 kilometres due west of Clinton and 7 kilometres west of the Fraser River (Figure 1). The property is bisected by the broad and steep east trending Watson Bar Creek Valley and north trending immature, "V" shaped, narrow valleys of Trimble, Second, Madsen and Red Creek and their tributaries. The property is centred at 51˚ 53' 06" North Latitude and 122˚ 03' 30" West Longitude, UTM NAD 83 566000 mE 5656000 mN covering portions of Trim Sheets 92O.010 and 92P.001

The Watson Bar Property is comprised of 43 contiguous mineral tenures, covering 5,059.4 hectares (12,502 acres). The status of these claims is summarized in the following table and the relative claim locations are plotted as Figure 2. The tenures are recorded in the name of R.M. Durfeld (FMC # 107306).

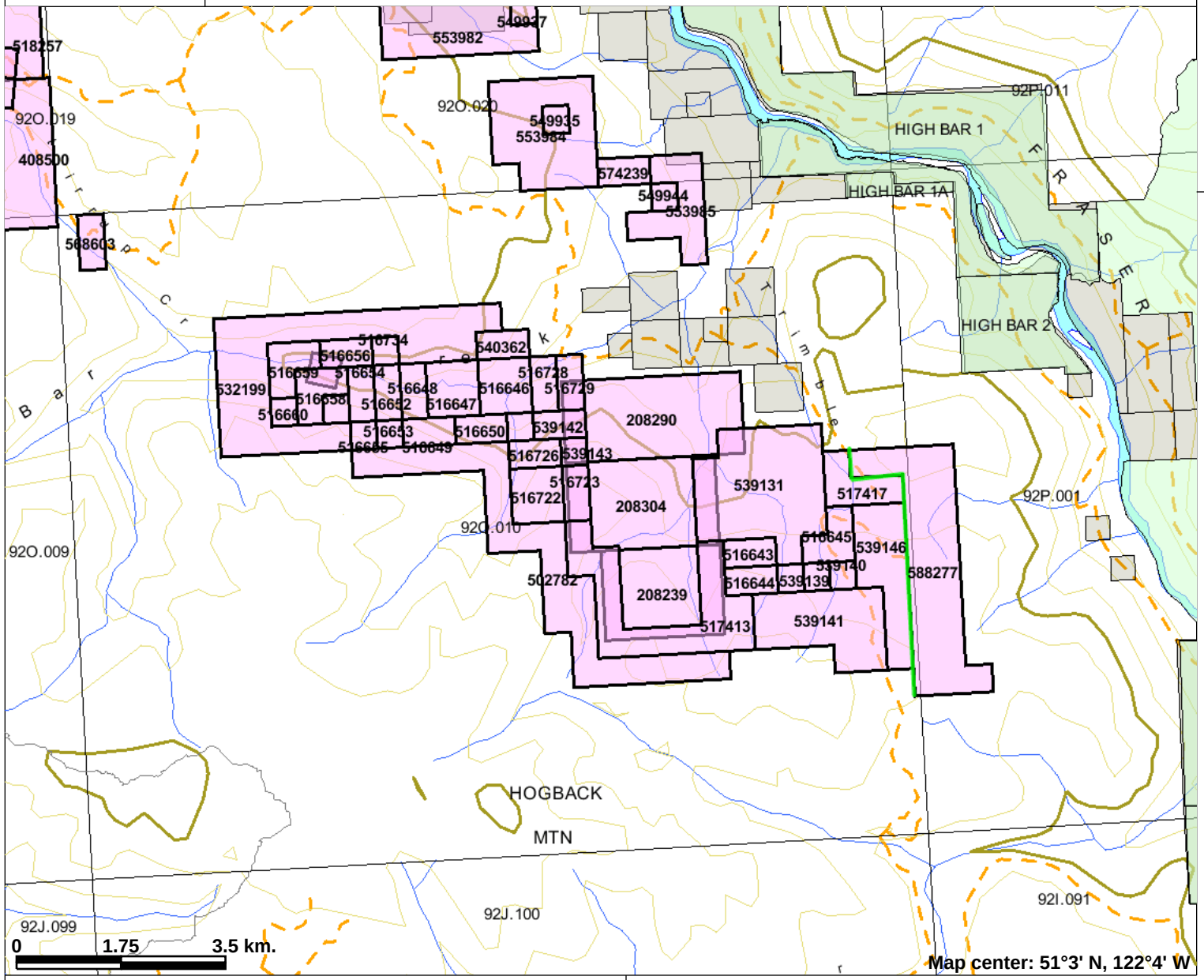
Tenure Number	Owner	Map Number	Good To Date	Area (ha)
208239	107306 (100%)	092O	2010/sep/19	300.0
208290	107306 (100%)	092O	2013/jun/29	450.0
208304	107306 (100%)	092O	2013/aug/12	375.0
404420	107306 (100%)	092O	2010/aug/13	25.0
416069	107306 (100%)	092O	2009/nov/11	25.0
502782	107306 (100%)	092O	2010/jan/13	467.3
516643	107306 (100%)	092O	2010/sep/19	40.6
516644	107306 (100%)	092O	2010/sep/19	40.6

516645	107306 (100%)	092O	2010/sep/19	60.9
516646	107306 (100%)	092O	2010/aug/13	81.2
516647	107306 (100%)	092O	2010/aug/13	81.2
516648	107306 (100%)	092O	2010/aug/13	40.6
516649	107306 (100%)	092O	2010/aug/13	40.6
516650	107306 (100%)	092O	2010/aug/13	40.6
516651	107306 (100%)	092O	2010/aug/13	20.3
516652	107306 (100%)	092O	2010/nov/11	40.6
516653	107306 (100%)	092O	2009/nov/11	20.3
516654	107306 (100%)	092O	2010/nov/11	40.6
516655	107306 (100%)	092O	2009/nov/11	20.3
516656	107306 (100%)	092O	2010/nov/11	40.6
516657	107306 (100%)	092O	2010/nov/11	20.3
516658	107306 (100%)	092O	2010/nov/11	60.9
516659	107306 (100%)	092O	2010/nov/11	60.9
516660	107306 (100%)	092O	2010/nov/11	20.3
516722	107306 (100%)	092O	2010/aug/13	81.3
516723	107306 (100%)	092O	2010/aug/13	40.6
516726	107306 (100%)	092O	2010/aug/13	40.6
516728	107306 (100%)	092O	2010/aug/13	40.6
516729	107306 (100%)	092O	2010/aug/13	40.6
516734	107306 (100%)	092O	2010/sep/15	20.3
517413	107306 (100%)	092O	2010/sep/15	304.8
517417	107306 (100%)	092O	2010/sep/15	81.2
532199	107306 (100%)	092O	2010/apr/16	507.6
539131	107306 (100%)	092O	2010/oct/16	406.3
539139	107306 (100%)	092O	2010/sep/19	20.3
539140	107306 (100%)	092O	2010/sep/19	20.3
539141	107306 (100%)	092O	2010/sep/19	243.9
539142	107306 (100%)	092O	2010/dec/25	40.6
539143	107306 (100%)	092O	2010/dec/25	20.3
539144	107306 (100%)	092O	2010/dec/25	20.3
539146	107306 (100%)	092O	2010/mar/12	182.9
			Total Area	**4526.6**

The good-to-date has been updated to reflect the filing of Statement of Work – Mineral (4237915) on September 23, 2008.

In British Columbia acquisition of Crown mineral rights is governed by the Mineral Tenure Act and administered by the Mineral Titles Branch. Exploration and development required to maintain a mineral claim in British Columbia for 1 year is $4/hectare for the first, second and third anniversary years and $8/hectare for each subsequent year and applicable recording fees.

Watson Bar Project



Legend

- Indian Reserves
- National Parks
- Parks

Mineral Tenures (Mineral - LRDW)

- Mineral Claim
- Mineral Lease

Reserves (Mineral - LRDW Sites)

- Placer Claim Designation
- Placer Lease Designation
- No Staking Reserve
- Conditional Reserve
- Release Required Reserve
- Surface Restriction
- Recreation Area
- Others
- Mining Division (MTO)
- Survey Parcels
- BCGS Grid

Contours (1:250K)

- Contour - Index
- Contour - Intermediate
- Areaof Exclusion
- Areaof Indefinite Contours

Annotation (1:250K)

Transportation - Points (1:250K)

- Airfield
- Anchorage - Seaplane
- Ferry Route
- Heliport
- Seaplane Base
- Air Field
- Airport
- Air Feature - Condition Unknown

Scale: 1:100,000

Notes: Mineral Tenure to 21/07/08

Item 7: Accessibility, Climate, Local Resources, Infrastructure and Physiography

Access to the property is from Lillooet, north on highway 40 and across the Bridge River. Just beyond the bridge the allweather West Pavilion / Slok Creek logging road turns off to the right it is at kilometre 10. The Watson Bar Camp is on the south side of the West Pavilion road at kilometre 69.5. The West Pavilion and Second Creek logging roads in conjunction with secondary cat trails provide good access to much of the property. Late in 2007 the local logging contractor was extended the logging road up Watson Bar Creek to the western property boundary. This will improve access to all the western anomalies.

Vegetation is characterized by open forests of mature fir and pine, with undergrowth of grasses that are typical of the dry climate (mean annual precipitation of less than 30 centimetres) in this area. In the lower elevations toward Watson Bar Creek the trees give way to sage brush, tumbleweed and grasses. Locally, in areas of recent forest fires, the forest cover consists of closely spaced immature fir and pine.

The property is linked to the community of Lillooet by 70 kilometres of all-weather gravel road. The infrastructure at Lillooet would easily support any development in the Birch area. A reliable supply of water is readily available from the Fraser River system. There is adequate area on the property for mine-mill development and waste or tailings disposal.

The Watson Bar property lies on the western edge of the Fraser Basin in the south central B.C. interior. This region is characterized by the broad Fraser River valley cut by steep westerly valleys. The elevation ranges from 400 metres in Watson Bar Creek to 1,600 metres at the summits in the south.

Item 8: History

The earliest work in the vicinity of the property was during the Fraser River Gold Rush when placer miners worked bars in the Fraser River. Subsequently, placer mining for gold occurred in Watson Bar Creek during the period 1860 to 1900. Adits and open cuts on the adjacent Mad claims date from this period. In June 1980, E and B Explorations Inc staked much of what is now the Watson Bar Property as the Carolyn 1 to 8 mineral claims to acquire several large alteration zones hosted by Jackass Mountain Group sedimentary rocks. E and B Exploration prospected the property and carried out contour soil and rock sampling. Dome Mines acquired

the southern portion of what is now the Watson Bar Property in 1980 and subsequently prospected and soil sampled its claims.

E and B Exploration allowed their claims to lapse in 1986 and the Watson Bar Property was staked by Durfeld-McClintock in 1986 and 1987. Cyprus optioned the property in late 1987 and from 1987 to 1992 conducted soil and rock sampling, Induced Polarization surveying, trenching and diamond drilling. Cyprus terminated its option in 1992 and in 1996, Stirrup Creek Gold Ltd acquired an option on the Watson Bar Property. Stirrup Creek carried out further trenching and diamond drilling before terminating the option in mid 1999.

Over the past several years the property has been expanded to include the area that had been held by BHP as the MAD property since the early 80's. The data and data bases have been expanded to include the MAD data.

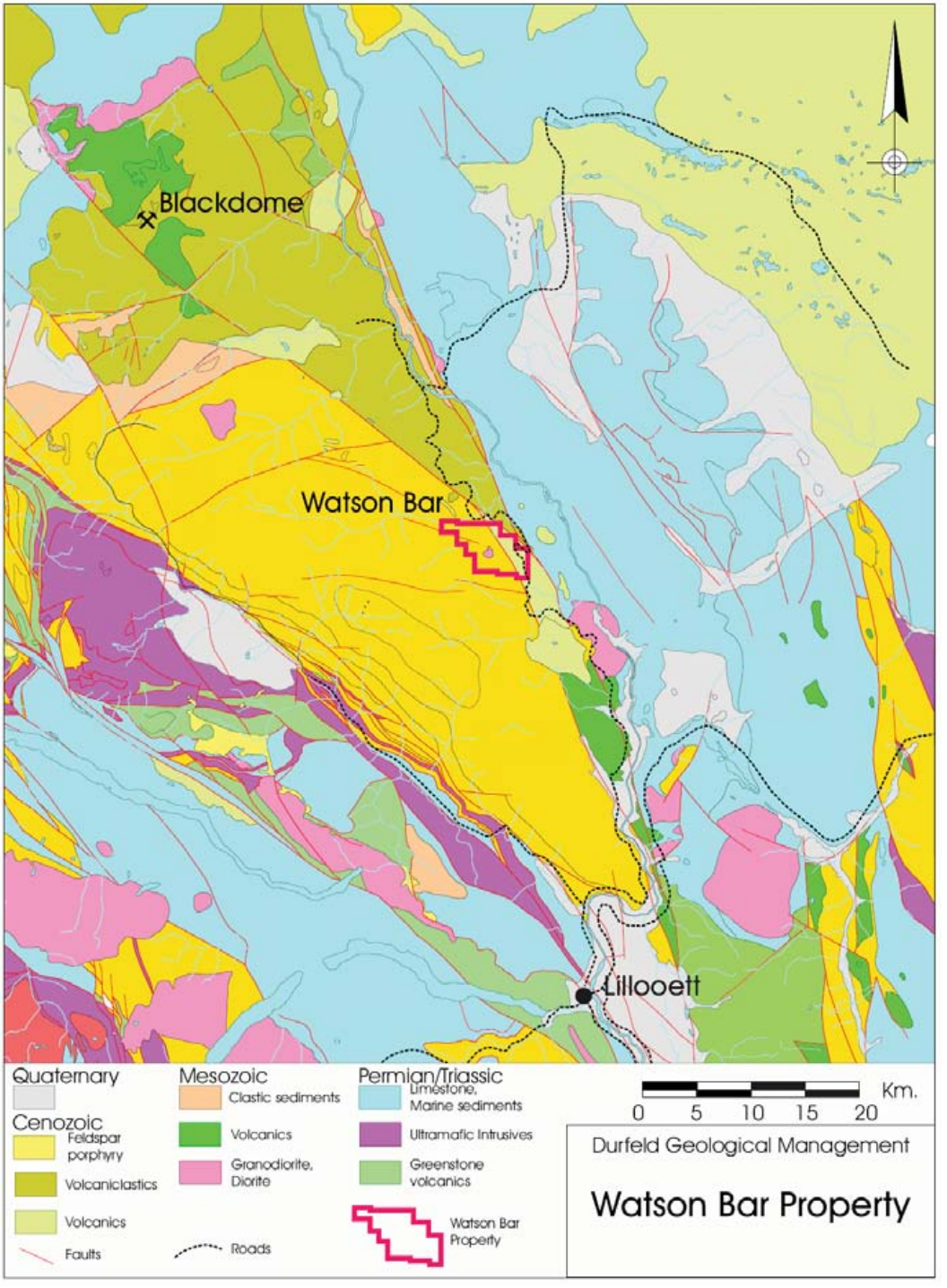
Item 9: Geological Setting

9.1 Regional Geology

The vicinity of the Watson Bar Property was mapped by H. W. Tipper (1978), Duffell and McTaggart (1952), Read (1987) and Hickson et al (1994). These workers show the area to be underlain by a Cretaceous to Tertiary sequence of sedimentary and volcanic rocks locally intruded by Lower Cretaceous to Upper Tertiary dykes and small stocks of granodiorite.

Cretaceous Age sedimentary and volcanic rocks are divisible into two main groups: the Early Cretaceous Age Jackass Mountain Group sedimentary rocks and the Middle Cretaceous Age Spences Bridge Group volcanic rocks. In the area of the Watson Bar Property the two units are separated by the northwesterly trending Slok Creek Fault, part of the Fraser River Fault system. The Jackass Mountain Group lies to the southwest of the Slok Creek Fault.

Duffell & McTaggart divide the Jackass Mountain Group into 3 distinct units consisting of a lower unit A comprised of up to 600 metres of non marine arkose, greywacke and lesser conglomerate and shale; a middle unit B consisting of up to 500 metres of coarse conglomerate with minor beds of greywacke and argillite; and an upper unit C of greywacke with thinly interbedded conglomerate and argillite that is at least 1,500 metres thick. Unit A and the massive conglomerate of unit B are interpreted to have accumulated in subaerial conditions as fluvial deposits that were at times inundated by the sea. Strata of Unit C locally contain marine fossils and are for the most part of marine origin. The strata of the Jackass Mountain Group have shallow to moderate dips. Folding is minor and generally inconspicuous, with the dominant structures being normal faults.


Blackdome
Watson Bar
Lillooett
Quaternary
Cenozoic
Feldspar porphyry
Volcaniclastics
Volcanics
Faults
Mesozoic
Clastic sediments
Volcanics
Granodiorite, Diorite
Roads
Permian/Triassic
Limestone, Marine sediments
Ultramafic Intrusives
Greenstone volcanics
Watson Bar Property
Km.
0 5 10 15 20
Durfeld Geological Management
Watson Bar Property

The Spence Bridge Group lies to the northeast of the Slok Creek Fault and consists of andesitic and dacitic tuffs, agglomerates and breccias with minor intercalated conglomerate and sandstone.

The youngest rocks in the property area are Eocene Age dacitic and occasional rhyolitic tuffs, breccias, agglomerates and flows.

9.2 Property Geology

The Watson Bar Property was previously mapped by McClintock and Durfeld (1988), Durfeld and Jackson (1990) and Read (1998). A compilation of the previous mapping is presented in attached Figure 3A.

The oldest rock on the property are a thick sequence of clastic sedimentary rocks of the Lower Cretaceous Jackass Mountain Group (Units **KSs, KSd, KCg, and KAr**). Due to the paucity of outcrop, absence of distinctive marker beds and extensive faulting, no attempt was made to subdivide the Jackass Mountain Group rocks on the property. However, review of drill core, particularly that from Zone V shows the rock sequence in the northern portion of the property to consist of an upper thick-bedded sandstone-siltstone sequence transitional at depth to a sequence containing a few centimetres to 2 metre thick beds of carbonaceous and locally pyritic argillite. Conglomerate beds occur throughout the stratigraphy as beds from 2 metres to several tens of metres thick. The thickest conglomerate beds occur in the western area of the property and overlie finer grained strata of siltstone and argillite. Except for this thick unit of conglomerate, the Jackass Mountain Group on the property most closely match Duffell and McTaggarts' unit C.

The dominant structure in the Jackass Mountain rocks are steep dipping normal faults. Some minor warping of the strata is present in the southeastern map area but is insignificant. The most prominent fault on the property is the Slok Creek Fault which juxtaposes rocks of the Spences Bridge Group against the Jackass Mountain Group rocks. The Slok Creek Fault is a multi strand fault as evident by the sliver of Spences Bridge Group dacitic tuffs lying southwest of the main fault strand. Initial mapping by Read and other government mappers showed the Slok Creek fault as a steep angle strike slip fault. More recent work by Read shows dip slip movement. The presence of the younger Spences Bridge Group rocks to the northeast of the fault implies down dropping of the strata on this side of the fault. Assuming normal movement, then the Slok Creek Fault dips steeply to the northeast.

Two other major faults cutting the Jackass Mountain Group rocks are indicated by abrupt changes in bedding attitudes. The most prominent fault is a structure named the Base Line Fault which separates northwesterly moderately southwesterly dipping strata from northeasterly trending, shallow to moderate northwesterly dipping strata. Further evidence of the fault are

different lithologies on either side of the fault. On the northeast side of the fault the dominant lithologies are thick bedded greywacke and siltstones overlying a siltstone-argillite sequence. On the southwest side thick conglomerate beds occur. The Base Line Fault can be traced from the western property limit to the central grid area. In the southeastern map area, based on changes in bedding attitudes, the fault appears to form two strands. The trace of the fault, suggest it has a northeasterly dip.

The second major fault indicated by changes in bedding attitudes is a northerly trending fault which parallels South Second Creek. Strata east of the creek trends northwesterly with shallow southwesterly dips. West of the fault the strata strikes northeasterly with moderate northwesterly dips. This fault appears to post date the Baseline Fault as the continuation of this fault appears to be displaced northwards across the South Second Creek fault.

In addition to the three main faults, there are numerous minor faults which have little or no offsets. These minor faults have two dominant directions: northerly with moderate to steep dips to either the east or west and northwesterly with shallow to moderate southwest dips. These minor faults are likely subsidiary or conjugate faults related to movement along the main faults.

The Spences Bridge Group rocks lie northeast of the Slok Creek Fault and are comprised of maroon coloured andesitic tuffs and agglomerates. Because no alteration or mineralization occur in these rocks, they have not been studied in detail.

In the south central grid area is an elliptical-shaped stock of granodiorite measuring 700 metres by 500 metres. In the central area of the stock the granodiorite is hypidiomorphic granular (**TKgd**) and becomes porphyritic towards its margin (**TKfp**). The location of the stock at the intersection of the Baseline and South Second Creek Faults suggests these faults played a role in the emplacement of the intrusive.

Elsewhere in the map area, dykes and sill-like bodies of latite to granodiorite porphyry are common. Dykes range in thickness from less than a metre to over 10 metres and are preferentially orientated between 090˚ and 120˚ with steep dips to the southwest and northeast. Splaying and coalescing of the dykes is common. Sills are generally thinner than the dykes but are compositionally identical. Sills for the most part are restricted to the area north of the Baseline Fault and west of South Second Creek where the strata strikes northwesterly and dips moderately southwest.

A possible distinct intrusive are quartz porphyry dykes found in the eastern property area. The quartz porphyry may be a young phase of the granodiorite or may represent intrusions related to the younger Eocene volcanic rocks.

The Eocene volcanic rocks occur north of the map area and are separated from the Jackass Mountain Group rocks by a splay of the Fraser Fault. Within the map area, they are represented

by fine grained andesite, their subvolcanic equivalent and quartz porphyry dykes. A post mineralization equigranular granodiorite dyke in the west central map area is also thought to be a subvolcanic equivalent to the Eocene volcanics.

Epithermal alteration is extensive within the grid area and consists of broad areas of iron carbonate alteration with localized area of intense argillic alteration cored by zones of silicification. The more intense argillization and silicification show a strong spacial relationship to the northeasterly trending Baseline and northerly trending South Second Faults. Silicification consist of both fracture filling and pervasive replacement of the rock. Quartz veins are characteristic of open space fillings, with both druse and banded textures. Vein directions are predominantly northeasterly and northerly with variable dips. Lithology controls to a large extent the style of silicification. Pervasive silicification is prevalent in the clastic sedimentary rocks of the Jackass Mountain Group, while veins more often occur in the granodiorite intrusives and feldspar porphyry dykes and sills.

Argillic alteration occurs as broad envelopes around the zones of silicification. Past work has described the alteration as a phyllic / argillic alteration dominated by sericitization of mafic and feldspars of the host lithologies with subordinate areas of kaolinization. Below surface oxidation minor amounts of disseminated and fracture filling pyrite occur. Thicker quartz veins are mineralized with arsenopyrite, galena, sphalerite, chalcopyrite and locally stibnite. To better quantify the types of alteration, approximately 100 samples of diamond drill core and hand specimens from various alteration zones were analysed using the PIMA-II shortwave infrared spectrometer. Samples were selected from the altered rock and altered wall rock to veins within zones I, II, IV, V, VIII and X. It was hoped that the PIMA analyses would give an insight into the types of clay and phyllic alteration minerals present which would provide an indication of temperatures of the hydrothermal solutions responsible for the alteration. The results showed that with the exception of Zone V, the dominant alteration mineral is kaolinite. Illite and lesser smectite and dickite are, with few exceptions, restricted to the altered wall rocks of zone V. These PIMA data show that the broad alteration zones of zones I, II, and IV are relatively low temperature alteration assemblages while zone V is a higher temperature alteration zone.

Most of the exploration on the Second creek property has focussed on the auriferous veins of Zone V where intercepts of up to 24.45 g/T gold over 4 metres have been encountered by diamond drill holes. Zone V is interpreted to be an auriferous quartz vein localized in a shallow structure separating dominantly sandstone and interbedded siltstone units from a sequence of siltstones and graphitic argillite. It appears more likely that the faults and shearing in the argillite units are minor faults related to or conjugate to the Slok Creek Fault and / or the Baseline Fault. Similarly oriented faults to those in Zone V were mapped near the Slok Creek Fault and elsewhere on the property. As the strata at Zone V have parallel strike and dip to the minor

faults associated with the Slok Creek Fault, it is not surprising that movement on the minor faults in Zone V would be bedding parallel to stratigraphy and the breaks would occur along the carbonaceous argillite units. These bedding parallel structures may also have controlled the emplacement of the feldspar porphyry sills which occur throughout the section.

The auriferous quartz veins of Zone V occur in and adjacent to bedding parallel faults in the upper part of the argillite-siltstone sequence. Thickness of the veins is variable from a few centimetres to tens of metres. However, the veins do display a lensoidal pinch and swell in surface exposures and bifurcates, breaking across stratigraphy between fault planes. Plotting of vein thicknesses shows a 215˚ plunge to the thickest part of the mineralized vein system Step out holes 98-06 and 9-04 drilled along strike to the northwest and southeast respectively show the vein in Zone V continues, albeit thinner and lower grade, toward Zone I and Zone VII.

The auriferous veins in Zone V differ from the veins in other zones by the absence of a broad zone of argillic alteration and pervasive silicification in the wall rock of the vein and a higher pyrite and arsenopyrite content. Texturally, Zone V vein differ in having coarse cockscomb textures rather than the massive to chalcedonic quartz typical of the other zones. Samples of wall rock and vein material from several drill holes and surface trenches were analysed by a PIMA II spectrometer. The results show illite and chlorite to be prevalent minerals adjacent to veins and in the altered zones and suggest higher temperature hydrothermal solutions formed the alteration in Zone V.

Item 10: Deposit Types

The 5060 hectare Watson Bar mineral property covers some 13 km of the prolific the Watson Bar gold belt for its potential of hosting ’Low Sulphidation Epithermal Gold Mineralization and Deposits’. The belt is defined by numerous partially explored gold occurrences and untested gold-in-soil anomalies. Gold mineralization consists of epithermal quartz veins, disseminations and stockwork zones.

Item 11: Mineralization

Past exploration has identified numerous areas of anomalous gold, arsenic, and mercury associated with low sulphidization epithermal alteration localized along a parallel structure to the Slok Creek Fault referred to as the Base Line Fault.

The two priority areas of alteration and mineralization are referred to as the Zone I – II and Zone V. Zone I – II is a 1.5km long area of silicification and kaolinization along the Base Line Fault. Alteration mapping, using the PIMA-II short-wave infrared spectrometer, of core and surface

samples show that kaolinite is the dominant alteration mineral suggesting that zones I-II and are high level, low temperature parts of the epithermal system. The PIMA analyses did not identify alunite, which is consistent with the low sulphidation systems.

Zone V contains high-grade gold mineralization up to **117.9 gram gold per tonne (3.44 oz/ton) over 2 metres**, as bladed and sheared quartz in shears and fault zones at the transition from overlying sandstone dominated to underlying carbonaceous argillite and siltstone lithologies The shear-fault zones appear to have little movement and are likely minor or conjugate faults related to the Baseline and Slok Creek faults. Drilling since 1989 has outlined a vein zone up to 35 metres thick which contains a stacked series of auriferous quartz-sulphide (pyrite, arsenopyrite, sphalerite, galena, chalcopyrite) veins. An independent 'Reserve Evaluation of Zone V' by John Casey using a cut- off grade of 0.20 oz/t gold gave a geological reserve estimate of 139,189 tons grading 0.418 oz/t gold. Late in 2007 a **228 ton** bulk sample was excavated from zone V. The weighted average grade of some 183 samples was **0.86 oz/ton**. The collection and results of this bulk sample are the subject of this report.

Two priority targets for gold deposits remain on the Watson Bar property: the untested down plunge and along strike extension of the high-grade Zone V mineralization, and a large tonnage, bonanza-type gold deposit at depth in Zone II where the high-grade gold mineralization of Zone V is projected to intersect Zone II. As the baseline fault is a dominant structure it may provide the plumbing system required for large volumes of hydrothermal fluids, thus the likely location for a large tonnage gold deposit.

Item 12: Exploration

Exploration on the Watson Bar project area has consisted of geological mapping, geochemical sampling (silt, soil, rock), geophysical (induced polarization) which have identified targets for trenching and diamond drilling. This work led to the discovery of Zone V which is the area of the 2007 Bulk Sample.

Previous work in Zone V showed shallow dipping sulphide mineralized quartz vein material with significant gold mineralization. For the bulk sample the hangingwall sediments were stripped with a 215 Cat excavator. The quartz vein material was then mined with a John Deere 80 excavator and placed in rock bags with a 1 tonne capacity. The bulk sample was mined from 5 distinct areas as shown on figure 10560 north A.

12.1 Geophysical Surveys

Much of the property has been subject to Induced Polarization surveys. The resistivity high anomalies have assisted in defining areas of silicification (quartz veining) and intrusive activity. Whereas the chargeability highs often map the sulphide mineralization in the vein zone and/or the carbonaceous hangingwall.

Item 13: Drilling

Since 1982 in excess of 14,000 metres of diamond drilling and 1500 metres of excavator trenching have been completed in the Watson Bar Property area.

Item 14: Sampling Method and Approach

A. 2008 Trench Sampling

A representative sample was collected from each 1 tonne rock bag and placed in a plastic sample bag with a unique numbered assay tag. All samples were shipped to Assayers Canada in Vancouver for analysis. Samples were located as to distinct part of the trench they were collected from.

Item 15: Sample Preparation, Analyses and Security

All of the samples were placed in rice bags and shipped to Assayers Canada, 8282 Sherbrooke Street in Vancouver where they were analyzed for gold and ICP. Assayers sample preparation and analytical procedures are given as Appendix II. There were no sampled duplicates or extra security undertaken for the 2008 sampling.

Item 16: Data Verification

The location data was merged with the analytical results and checked for number and merging errors. Besides including routine blanks, assayers conducted regular checks on assays greater than 1000 ppb gold.

Item 17: Adjacent Properties

The Stirrup Creek property 3 km north of the Watson Bar property shows silicification and quartz veining in Jackass Mountain sediments related to Cretaceous intrusive activity and hydrothermal alteration.

Item 18: Mineral Processing and Metallurgical Testing

Mineral processing has not been conducted on the property.

Item 19: Mineral Resource and Mineral Reserve Estimates

An independent historic 'Reserve Evaluation of Zone V' by John Casey using a cut- off grade of 0.20 oz/t gold gave a geological estimate of 139,189 tons grading 0.418 oz/t gold. The 2007, **228 ton** bulk sample documented in this report was excavated from the surface trench of zone V.

Item 20: Other Relevant Data and Information

No other relevant data and information is known to the authors that would influence this report.

Item 21: Interpretation and Conclusions

During the period September 24th to October 31st a 240 tonne (265 ton) bulk sample grading 29.6 g/tonne (0.86 oz/ton) gold was collected from the Zone V trench area on the Watson Bar property. The results of the sampling is summarized as Appendix I 'Watson Bar Project 2007 Bulk Sample. Figure 10560 north shows the historic distribution of the gold grade on the zone V trench and Figure 10560 north A shows the mining zone overlaid and the grade achieved.

As expected Area 1 with the historic highest grade of 3.48 oz/ton also had the highest average grade mined 1.89 oz/ton. This zone pinched out downdip and it was only possible to mine 28 tonnes. Area 2 with a historic grade of 0.66 oz/ton returned a higher mined grade of 0.92 oz/ton. Areas 3 and 4 returned average grades of 0.65 oz/ton gold and 0.63 oz/ton gold from areas expected to yield 0.65 oz/ton and 0.61 oz/ton respectively. These results suggest a strong correlation between the channel samples and the mined grade from the general area.

The bulk sample collected from Zone V contains significant assays in gold. This bulk sample should be processed to determine what the recoveries for gold are and whether mining and processing can generate a profit.

Item 22: Cost Statement

WATSON BAR PROCESSING PROJECT					
	2007 TO 2008 field and office cost summary				
May 01st to August 25th, 2008		Number of Units	unit	unit cost	
Travel / Room / Board					
	1 4X4 Pickup	3450	km	$1.00	$3,450.00
	1 Quad	10	day	$70.00	$700.00
	Room and Board (3 men 13 days)	40	day	$70.00	$2,800.00
FREIGHT	-sample shipments, bags	1		$480.00	$480.00
PERSONNEL					
Geologist	RM Durfeld, P.Geo				
	-Sep 1st to 30th - project preparation mapping	40	hr	$90.00	$3,600.00
	-Oct 1st to 15th - mining	100	hr	$90.00	$9,000.00
	-Jan 1st to Mar 31st - compilation	19	hr	$90.00	$1,710.00
Camp Manage	Lucas Durfeld				
	-Sept 1st to 30th - mob /equipment procurem	64	hr	$30.00	$1,920.00
	-Oct 1st to 12 th - mining	104	hr	$30.00	$3,120.00
Contract Labour					
	-Watson Bar Ranching	24	hr	$40.00	$960.00
EQUIPMENT USAGE					
Excavator	-Watson Bar Ranching (Cat 225)	10.5	hr	$140.00	$1,470.00
	-Brandt Tractor (JohnDeere 80)	1	mo	$5,400.00	$5,400.00
Truck	-Watson Bar Ranching (Mack Dumptruck)	22.5	hr	$110.00	$2,475.00
	-Watson Bar Ranching (Mack Lowbed)	27.5	hr	$100.00	$2,750.00
ORE BAGS	-1 tonne capacity duffle	1		$3,575.00	$3,575.00
ANALYTICAL					
	-Rock sample preparation	190		$8.00	$1,520.00
	-Fire Geochem: Au	190		$16.00	$3,040.00
REPORTING					
	-Casey Map	1		$1,400.00	$1,400.00
	-Durfeld Geological	1		$3,000.00	$3,000.00
	TOTAL Sept 24, 2007 to Mar 31, 2008 PROJECT COST				**$52,370.00**

Dated at Williams Lake, British Columbia this 15th day of December 2008.

R.M. Durfeld, B.Sc., P.Geo.

Item 23: References

Bailey, D.G. (1978): Geology of the Morehead Lake Area, South-central British Columbia; Unpublished Ph.D. Thesis, Queens University, p. 198.

Bailey, D.G. (1988): Geology of the Central Quesnel Belt, Hydraulic, South-central B.C., in BCMEMPR, Geologic Fieldwork 1987, Paper 1988-1, pp 147-153.

Bailey, D.G. (1989): Geology of the Central Quesnel Belt, Swift River, South-central B,C., in BCMEMPR, Geologic Fieldwork 1988, Paper 1989-1, pp 167-172.

Bailey, D.G. (1990): Geology of the Central Quesnel Belt, British Columbia, (Parts of NTS 93A, 93B, 93G and 93H), Open File 1990-31.

Clague, J.J. (1981): Late Quaternary Geology and Geochronology of British Columbia; Geo., Sur. of Canada, Paper 80-35.

Clague, J.J. (1987): Quaternary Stratigraphy and History, Williams Lake, B.C.; CJES, Vol 34, pp 147-158.

Clague, J.J. (1991): Quaternary Stratigraphy and History of Quesnel and Cariboo River Valleys, B.C.: Implications for Placer Gold Exploration, in Current Research, Pt. A, GSC Paper 91-1A, pp 1-5-

Durfeld, R. M., (1987), Summary Report on the Beekeeper Property, Cariboo Mining District, for Eastfield Resources Ltd.

Fox, P.E., (1974), Geochemical and Geophysical Report on the Al Claims, Caribou Mining District, Assessment Report 5086.

Fox, P.E., (1981), Diamond Drilling Program on the Kwun Mineral Claims, Horsefly Area, B.C., Assessment Report 9925.

Fox, P.E., (1986), Geology and Drill Plan, Kwun Property (map only).

Fox, P.E., (1987), Project 138, Report on an Induced Polarization Survey, Kwun 1 to 4 Claims, Caribou Mining District. Assessment Report 15,453.

Fox, P.E. (1988): Percussion Drill Program on the Kwun 1-4 Claims, Horsefly Area, B.C.; Assessment Report 18,055.

Fox, P.E., Cameron, R.S., and Hoffman, S.J. (1986): Geology and Soil Geochemistry of the Quesnel

River Gold Deposit, British Columbia, in GEOEXPO **'86,** Proceedings, Association of Exploration Geochemists, Vancouver, May 1986.

Holland, S.S. (1964): Landforms of British Columbia, A Physiographic Outline; BCDM Bulletin 48.

Morton, R.L. (1976): Alkalic Volcanism and Copper Deposits of the Horsefly Area, Central B.C.; Unpublished Ph.D. Thesis, Carlton University, pp 196.

Morton, J.W., (1981), The Beekeeper Prospect, Progress Report.

Morton, J.W., (1987), Geology, Geophysics and Geochemistry of the Beekeeper-Kwun property, Eastfield Resources Ltd.

Morton, J.W., (1991), Notes on the Beekeeper and Swarm mineral claims, internal report, Eastfield Resources Ltd.

Panteleyev, A. (1987): Quesnel Gold Belt, Alkalic Volcanic Terrane Between Horsefly and Quesnel Lakes; BCMEMPR, Geologic Field Work, 1986, Paper 1987-1, pp 126-133.

Panteleyev, A. (1988): Quesnel Mineral Belt - The Central Volcanic Axis between Horsefly and Quesnel Lake (93A/05E-06W), in BCMEMPR, Geological Fieldwork 1987, Paper 1988-1, pp 131-137.

Panteleyev, A. and Hancock, K.D. (1989): Quesnel Mineral Belt: Summary of the Geology of the Beaver Creek-Horsefly River Map Area; BCMEMPR, Geologic Fieldwork 1988, Paper 19891, pp 159-166.

Pauwels, A.M., (1990), Geophysical Surveys on the Beekeeper 1-4 Mineral Claims, Cominco Exploration, Internal Report.

Richardson, P.W., (1975), Percussion and Diamond Drilling on the Kwun Lake Property, for Newconex Canadian Exploration, Assessment Report 5533.

Richardson, P.W., (1979), Report on the Kwun Lake Property, for Orbex Minerals.

Sheldrake, R.F., (1981), Report on a Helicopter E.M. and Magnetometer Survey, Kwun Lake and Gibbons Creek Projects, Horsefly Lake area, for Orbex Minerals.

Tipper, H.W. (1971): Glacial Geomorphology and Pleistocene History of Central British Columbia; Geol. Survey of Canada, Bulletin 196.

Wolfhard, M.R. (1976): Fish Lake; in Porphyry Deposits of the Canadian Cordillera, Sutherland Brown,

A., Editor, Canadian Institute of Mining and Metallurgy, Special Volume 15, pages 317322.

Item 24: Certificate of Author, Rudi M. Durfeld

I, Rudolf M. Durfeld, P.Geo. do hereby certify that:

1. I am currently employed as a consulting geologist by Durfeld Geological Management Ltd.

2. I am a graduate of the University of British Columbia, B.Sc. Geology 1972.

3. I am a member of the Canadian Institute of Mining and Metallurgy. That I am registered as a Professional Geoscientist by the Association of Engineers and Geoscientists of B.C. (No. 18241).

4. I have worked as a geologist for some 30 plus years since my graduation from university.

5. I am the author of this report which is based on:
    a. my supervision, observations and participation in the 2007 Watson Bar Project.
    b. compilation of the 2007 data with previous data.
    c. my personal knowledge of the property area and a review of available government maps and assessment reports.

Dated at Williams Lake, British Columbia this 15th day of December 2008.

R.M. Durfeld, B.Sc., P.Geo.

Item 25: Additional Requirements for Technical Reports On Development Properties And Production Properties

APPENDICES

WATSON BAR PROJECT
2007 BULK SAMPLE RESULTS

			Weight	Weight	Weight			Assay	Assay	Assay	Grams	Average	Ounces	Average
			kilogram	tonne	ton	Certificate		Au	Au-Check	Au	Contained	g/tonne	Contained	oz/ton
Date	Section	Bag #		(metric)	(US)	Number	Assay Tag	g/tonne	g/tonne	oz/ton (US)	Gold		Gold	(US)
3-Oct-2007	1	1	990	0.990	1.091	7V2343RA	10201	6.76	5.17	0.197	6.7		0.215	
3-Oct-2007	1	2	920	0.920	1.014	7V2343RA	10202	28.23		0.823	26.0		0.835	
3-Oct-2007	1	7	1300	1.300	1.433	7V2343RA	10207	33.30		0.971	43.3		1.392	
3-Oct-2007	1	8	1350	1.350	1.488	7V2343RA	10208	34.12		0.995	46.1		1.481	
3-Oct-2007	1	9	1390	1.390	1.532	7V2343RA	10209	23.90		0.697	33.2		1.068	
3-Oct-2007	1	10	1300	1.300	1.433	7V2343RA	10210	4.28	4.87	0.125	5.6		0.179	
3-Oct-2007	1	11	1430	1.430	1.576	7V2343RA	10211	33.72		0.983	48.2		1.550	
3-Oct-2007	1	12	1200	1.200	1.323	7V2343RA	10212	35.32		1.030	42.4		1.363	
3-Oct-2007	1	13	1270	1.270	1.400	7V2343RA	10213	25.11		0.732	31.9		1.025	
4-Oct-2007	1	14	1030	1.030	1.135	7V2343RA	10214	119.10		3.474	122.7		3.944	
4-Oct-2007	1	15	1160	1.160	1.279	7V2343RA	10215	33.10		0.965	38.4		1.234	
4-Oct-2007	1	16	1065	1.065	1.174	7V2343RA	10216	124.10		3.620	132.2		4.249	
4-Oct-2007	1	17	1350	1.350	1.488	7V2343RA	10217	36.88		1.076	49.8		1.601	
4-Oct-2007	1	18	1300	1.300	1.433	7V2343RA	10218	112.70		3.287	146.5		4.710	
4-Oct-2007	1	19	1090	1.090	1.202	7V2343RA	10219	190.20		5.547	207.3		6.665	
4-Oct-2007	1	20	1050	1.050	1.157	7V2343RA	10220	47.60	43.37	1.388	50.0		1.607	
4-Oct-2007	1	21	1256	1.256	1.385	7V2343RA	10221	166.30		4.850	208.9		6.715	
4-Oct-2007	1	22	1150	1.150	1.268	7V2343RA	10222	137.00		3.996	157.6		5.065	
4-Oct-2007	1	23	1310	1.310	1.444	7V2343RA	10223	41.56		1.212	54.4		1.750	
4-Oct-2007	1	24	1230	1.230	1.356	7V2343RA	10224	119.30		3.480	146.7		4.718	
4-Oct-2007	1	25	1195	1.195	1.317	7V2343RA	10225	42.97	51.40	1.253	51.3		1.651	
4-Oct-2007	1	26	1420	1.420	1.565	7V2343RA	10226	71.00		2.071	100.8		3.241	
4-Oct-2007	1	27	1250	1.250	1.378	7V2343RA	10227	53.93		1.573	67.4		2.167	
Total	**Section 1**		**28006**	**28.006**	**30.871**					0.000	**1817.3**	**64.9**	**58.428**	**1.893**
5-Oct-2007	2	3	1012	1.012	1.116	7V2343RA	10203	107.80		3.144	109.1		3.507	
5-Oct-2007	2	4	1325	1.325	1.461	7V2343RA	10204	19.97		0.582	26.5		0.851	
5-Oct-2007	2	5	1010	1.010	1.113	7V2343RA	10205	32.82		0.957	33.1		1.066	
5-Oct-2007	2	6	1250	1.250	1.378	7V2343RA	10206	34.42		1.004	43.0		1.383	
5-Oct-2007	2	28	1294	1.294	1.426	7V2343RA	10228	20.80		0.607	26.9		0.865	
5-Oct-2007	2	29	1350	1.350	1.488	7V2343RA	10229	55.80		1.627	75.3		2.422	
5-Oct-2007	2	30	1140	1.140	1.257	7V2343RA	10230	79.70		2.325	90.9		2.921	
5-Oct-2007	2	31	1280	1.280	1.411	7V2343RA	10231	64.80		1.890	82.9		2.667	
5-Oct-2007	2	32	1140	1.140	1.257	7V2343RA	10232	21.67		0.632	24.7		0.794	
5-Oct-2007	2	33	1130	1.130	1.246	7V2343RA	10233	65.17		1.901	73.6		2.368	
5-Oct-2007	2	34	1200	1.200	1.323	7V2343RA	10234	83.10	82.70	2.424	99.7		3.206	
5-Oct-2007	2	35	1040	1.040	1.146	7V2343RA	10235	64.70		1.887	67.3		2.163	
5-Oct-2007	2	36	1200	1.200	1.323	7V2343RA	10236	49.40		1.441	59.3		1.906	
5-Oct-2007	2	37	1030	1.030	1.135	7V2343RA	10237	48.43		1.413	49.9		1.604	
5-Oct-2007	2	38	1060	1.060	1.168	7V2343RA	10238	16.10		0.470	17.1		0.549	
5-Oct-2007	2	39	1150	1.150	1.268	7V2343RA	10239	37.20		1.085	42.8		1.375	

WATSON BAR PROJECT
2007 BULK SAMPLE RESULTS

			Weight	Weight	Weight			Assay	Assay	Assay	Grams	Average	Ounces	Average
			kilogram	tonne	ton	Certificate		Au	Au-Check	Au	Contained	g/tonne	Contained	oz/ton
Date	Section	Bag #		(metric)	(US)	Number	Assay Tag	g/tonne	g/tonne	oz/ton (US)	Gold		Gold	(US)
5-Oct-2007	2	40	1100	1.100	1.213	7V2343RA	10240	56.03		1.634	61.6		1.982	
5-Oct-2007	2	41	1100	1.100	1.213	7V2343RA	10241	16.85		0.491	18.5		0.596	
5-Oct-2007	2	42	1200	1.200	1.323	7V2343RA	10242	23.10		0.674	27.7		0.891	
5-Oct-2007	2	43	1200	1.200	1.323	7V2343RA	10243	36.40		1.062	43.7		1.404	
5-Oct-2007	2	44	1300	1.300	1.433	7V2343RA	10244	11.50	25.83	0.335	15.0		0.481	
5-Oct-2007	2	45	1300	1.300	1.433	7V2343RA	10245	44.37		1.294	57.7		1.854	
5-Oct-2007	2	46	1100	1.100	1.213	7V2343RA	10246	29.00		0.846	31.9		1.026	
5-Oct-2007	2	47	1160	1.160	1.279	7V2343RA	10247	28.94		0.844	33.6		1.079	
6-Oct-2007	2	48	1170	1.170	1.290	7V2343RA	10248	81.30		2.371	95.1		3.058	
6-Oct-2007	2	49	1250	1.250	1.378	7V2343RA	10249	39.73	35.58	1.159	49.7		1.597	
6-Oct-2007	2	50	1230	1.230	1.356	7V2343RA	10250	34.57		1.008	42.5		1.367	
9-Oct-2007	2	152	1240	1.240	1.367	7V2343RA	20552	14.33		0.418	17.8		0.571	
9-Oct-2007	2	153	1164	1.164	1.283	7V2343RA	20553	33.67		0.982	39.2		1.260	
9-Oct-2007	2	154	1250	1.250	1.378	7V2343RA	20554	16.43		0.479	20.5		0.660	
9-Oct-2007	2	155	1360	1.360	1.499	7V2343RA	20555	15.37		0.448	20.9		0.672	
9-Oct-2007	2	156	1422	1.422	1.567	7V2343RA	20556	34.53	26.25	1.007	49.1		1.579	
9-Oct-2007	2	157	1420	1.420	1.565	7V2343RA	20557	57.76		1.685	82.0		2.637	
9-Oct-2007	2	158	1398	1.398	1.541	7V2343RA	20558	20.33		0.593	28.4		0.914	
9-Oct-2007	2	159	1237	1.237	1.364	7V2343RA	20559	10.33		0.301	12.8		0.411	
9-Oct-2007	2	160	1100	1.100	1.213	7V2343RA	20560	10.57		0.308	11.6		0.374	
9-Oct-2007	2	161	1365	1.365	1.505	7V2343RA	20561	28.00		0.817	38.2		1.229	
9-Oct-2007	2	162	1337	1.337	1.474	7V2343RA	20562	17.90		0.522	23.9		0.769	
9-Oct-2007	2	163	1300	1.300	1.433	7V2343RA	20563	20.83		0.608	27.1		0.871	
9-Oct-2007	2	164	1407	1.407	1.551	7V2343RA	20564	38.87		1.134	54.7		1.758	
9-Oct-2007	2	165	1235	1.235	1.361	7V2343RA	20565	54.40		1.587	67.2		2.160	
9-Oct-2007	2	166	1447	1.447	1.595	7V2343RA	20566	36.23	32.80	1.057	52.4		1.685	
9-Oct-2007	2	167	1330	1.330	1.466	7V2343RA	20567	32.27		0.941	42.9		1.380	
9-Oct-2007	2	168	1440	1.440	1.587	7V2343RA	20568	23.37		0.682	33.7		1.082	
9-Oct-2007	2	169	1350	1.350	1.488	7V2343RA	20569	37.23		1.086	50.3		1.616	
9-Oct-2007	2	170	1240	1.240	1.367	7V2343RA	20570	42.77		1.247	53.0		1.705	
9-Oct-2007	2	171	1550	1.550	1.709	7V2343RA	20571	29.33	31.07	0.855	45.5		1.462	
9-Oct-2007	2	172	1910	1.910	2.105	7V2343RA	20572	11.37		0.332	21.7		0.698	
9-Oct-2007	2	173	1383	1.383	1.524	7V2343RA	20573	15.77		0.460	21.8		0.701	
9-Oct-2007	2	174	1650	1.650	1.819	7V2343RA	20574	15.90		0.464	26.2		0.843	
9-Oct-2007	2	175	1500	1.500	1.653	7V2343RA	20575	16.83		0.491	25.2		0.812	
6-Oct-2007	2	51	1280	1.280	1.411	7V2343RA	20951	24.50		0.715	31.4		1.008	
6-Oct-2007	2	52	1210	1.210	1.334	7V2343RA	20952	43.03		1.255	52.1		1.674	
6-Oct-2007	2	53	1150	1.150	1.268	7V2343RA	20953	18.57		0.542	21.4		0.687	
6-Oct-2007	2	54	1295	1.295	1.427	7V2343RA	20954	12.93		0.377	16.7		0.538	
6-Oct-2007	2	55	1080	1.080	1.190	7V2343RA	20955	10.43		0.304	11.3		0.362	

WATSON BAR PROJECT
2007 BULK SAMPLE RESULTS

			Weight	Weight	Weight			Assay	Assay	Assay	Grams	Average	Ounces	Average
			kilogram	tonne	ton	Certificate		Au	Au-Check	Au	Contained	g/tonne	Contained	oz/ton
Date	Section	Bag #		(metric)	(US)	Number	Assay Tag	g/tonne	g/tonne	oz/ton (US)	Gold		Gold	(US)
6-Oct-2007	2	56	1430	1.430	1.576	7V2343RA	20956	8.43		0.246	12.1		0.388	
6-Oct-2007	2	57	1230	1.230	1.356	7V2343RA	20957	2.14	1.64	0.062	2.6		0.085	
6-Oct-2007	2	58	1220	1.220	1.345	7V2343RA	20958	8.97		0.262	10.9		0.352	
6-Oct-2007	2	59	1300	1.300	1.433	7V2343RA	20959	6.40		0.187	8.3		0.267	
6-Oct-2007	2	60	1320	1.320	1.455	7V2343RA	20960	21.33		0.622	28.2		0.905	
6-Oct-2007	2	61	1450	1.450	1.598	7V2343RA	20961	21.27		0.620	30.8		0.992	
6-Oct-2007	2	62	1400	1.400	1.543	7V2343RA	20962	13.70	14.05	0.400	19.2		0.617	
6-Oct-2007	2	63	1230	1.230	1.356	7V2343RA	20963	42.23		1.232	51.9		1.670	
Total	**Section 2**		**81351**	**81.351**	**89.674**					0.000	**2562.2**	**31.5**	**82.376**	**0.919**
7-Oct-2007	3	101	1414	1.414	1.559	7V2343RA	10301	21.97		0.641	31.1		0.999	
7-Oct-2007	3	102	1410	1.410	1.554	7V2343RA	10302	12.83		0.374	18.1		0.582	
7-Oct-2007	3	103	1240	1.240	1.367	7V2343RA	10302	14.13		0.412	17.5		0.563	
8-Oct-2007	3	104	1535	1.535	1.692	7V2343RA	10304	13.67		0.399	21.0		0.675	
8-Oct-2007	3	105	1492	1.492	1.645	7V2343RA	10305	17.10		0.499	25.5		0.820	
8-Oct-2007	3	106	1620	1.620	1.786	7V2343RA	10306	19.00		0.554	30.8		0.990	
8-Oct-2007	3	107	1543	1.543	1.701	7V2343RA	10307	32.00		0.933	49.4		1.587	
8-Oct-2007	3	108	1540	1.540	1.698	7V2343RA	10308	35.90	35.70	1.047	55.3		1.777	
8-Oct-2007	3	109	1400	1.400	1.543	7V2343RA	10309	28.43		0.829	39.8		1.280	
8-Oct-2007	3	110	1337	1.337	1.474	7V2343RA	10310	18.50		0.540	24.7		0.795	
8-Oct-2007	3	111	1390	1.390	1.532	7V2343RA	10311	21.90		0.639	30.4		0.979	
8-Oct-2007	3	112	1345	1.345	1.483	7V2343RA	10312	19.07		0.556	25.6		0.825	
8-Oct-2007	3	113	1425	1.425	1.571	7V2343RA	10313	10.97		0.320	15.6		0.503	
8-Oct-2007	3	114	1380	1.380	1.521	7V2343RA	10314	16.77		0.489	23.1		0.744	
8-Oct-2007	3	115	1330	1.330	1.466	7V2343RA	10315	13.53		0.395	18.0		0.579	
8-Oct-2007	3	116	1466	1.466	1.616	7V2343RA	10316	21.53		0.628	31.6		1.015	
8-Oct-2007	3	117	1450	1.450	1.598	7V2343RA	10317	30.63		0.893	44.4		1.428	
8-Oct-2007	3	118	1440	1.440	1.587	7V2343RA	10318	8.03	8.43	0.234	11.6		0.372	
8-Oct-2007	3	119	1500	1.500	1.653	7V2343RA	10319	11.53		0.336	17.3		0.556	
8-Oct-2007	3	120	1445	1.445	1.593	7V2343RA	10320	8.67		0.253	12.5		0.403	
6-Oct-2007	3	64	1168	1.168	1.287	7V2343RA	20964	10.30		0.300	12.0		0.387	
6-Oct-2007	3	65	1215	1.215	1.339	7V2343RA	20965	23.67		0.690	28.8		0.925	
6-Oct-2007	3	66	1202	1.202	1.325	7V2343RA	20966	47.93		1.398	57.6		1.852	
6-Oct-2007	3	67	1212	1.212	1.336	7V2343RA	20967	20.13		0.587	24.4		0.784	
6-Oct-2007	3	68	1260	1.260	1.389	7V2343RA	20968	14.13		0.412	17.8		0.572	
6-Oct-2007	3	69	1225	1.225	1.350	7V2343RA	20969	27.67		0.807	33.9		1.090	
6-Oct-2007	3	70	1120	1.120	1.235	7V2343RA	20970	22.57		0.658	25.3		0.813	
6-Oct-2007	3	71	1300	1.300	1.433	7V2343RA	20971	28.30	32.33	0.825	36.8		1.183	
7-Oct-2007	3	72	1180	1.180	1.301	7V2343RA	20972	53.63		1.564	63.3		2.035	
7-Oct-2007	3	73	1138	1.138	1.254	7V2343RA	20973	32.67		0.953	37.2		1.195	
7-Oct-2007	3	74	1240	1.240	1.367	7V2343RA	20974	38.10		1.111	47.2		1.519	

WATSON BAR PROJECT
2007 BULK SAMPLE RESULTS

			Weight	Weight	Weight			Assay	Assay	Assay	Grams	Average	Ounces	Average
			kilogram	tonne	ton	Certificate		Au	Au-Check	Au	Contained	g/tonne	Contained	oz/ton
Date	Section	Bag #		(metric)	(US)	Number	Assay Tag	g/tonne	g/tonne	oz/ton (US)	Gold		Gold	(US)
7-Oct-2007	3	75	1195	1.195	1.317	7V2343RA	20975	27.57		0.804	32.9		1.059	
7-Oct-2007	3	76	1388	1.388	1.530	7V2343RA	20976	24.03		0.701	33.4		1.072	
7-Oct-2007	3	77	1480	1.480	1.631	7V2343RA	20977	18.67		0.545	27.6		0.888	
7-Oct-2007	3	78	1525	1.525	1.681	7V2343RA	20978	14.10		0.411	21.5		0.691	
7-Oct-2007	3	79	1620	1.620	1.786	7V2343RA	20979	15.53		0.453	25.2		0.809	
7-Oct-2007	3	80	1600	1.600	1.764	7V2343RA	20980	15.67		0.457	25.1		0.806	
7-Oct-2007	3	81	1550	1.550	1.709	7V2343RA	20981	18.17	20.10	0.530	28.2		0.905	
7-Oct-2007	3	82	1670	1.670	1.841	7V2343RA	20982	28.30		0.825	47.3		1.519	
7-Oct-2007	3	83	1440	1.440	1.587	7V2343RA	20983	27.83		0.812	40.1		1.288	
7-Oct-2007	3	84	1430	1.430	1.576	7V2343RA	20984	21.03		0.613	30.1		0.967	
7-Oct-2007	3	85	1540	1.540	1.698	7V2343RA	20985	24.07		0.702	37.1		1.192	
7-Oct-2007	3	86	1517	1.517	1.672	7V2343RA	20986	24.33	24.18	0.710	36.9		1.187	
7-Oct-2007	3	87	1450	1.450	1.598	7V2343RA	20987	22.77		0.664	33.0		1.062	
7-Oct-2007	3	88	1353	1.353	1.491	7V2343RA	20988	38.24		1.115	51.7		1.663	
7-Oct-2007	3	89	1655	1.655	1.824	7V2343RA	20989	25.43		0.742	42.1		1.353	
7-Oct-2007	3	90	1520	1.520	1.676	7V2343RA	20990	21.15		0.617	32.1		1.034	
7-Oct-2007	3	91	1360	1.360	1.499	7V2343RA	20991	24.84		0.724	33.8		1.086	
7-Oct-2007	3	92	1495	1.495	1.648	7V2343RA	20992	23.25		0.678	34.8		1.118	
7-Oct-2007	3	93	1346	1.346	1.484	7V2343RA	20993	16.82		0.491	22.6		0.728	
7-Oct-2007	3	94	1270	1.270	1.400	7V2343RA	20994	35.18		1.026	44.7		1.436	
7-Oct-2007	3	95	1400	1.400	1.543	7V2343RA	20995	13.34	12.37	0.389	18.7		0.600	
7-Oct-2007	3	96	1365	1.365	1.505	7V2343RA	20996	17.82		0.520	24.3		0.782	
7-Oct-2007	3	97	1230	1.230	1.356	7V2343RA	20997	24.04		0.701	29.6		0.951	
7-Oct-2007	3	98	1605	1.605	1.769	7V2343RA	20998	16.69		0.487	26.8		0.861	
7-Oct-2007	3	99	1195	1.195	1.317	7V2343RA	20999	25.51		0.744	30.5		0.980	
7-Oct-2007	3	100	1400	1.400	1.543	7V2343RA	21000	23.18		0.676	32.5		1.043	
Total	**Section 3**		**79561**	**79.561**	**87.701**					0.000	**1770.0**	**22.2**	**56.907**	**0.649**
8-Oct-2007	4	121	1153	1.153	1.271	7V2343RA	10321	10.20		0.297	11.8		0.378	
8-Oct-2007	4	122	1097	1.097	1.209	7V2343RA	10322	10.47		0.305	11.5		0.369	
8-Oct-2007	4	123	1271	1.271	1.401	7V2343RA	10323	5.87	6.99	0.171	7.5		0.240	
8-Oct-2007	4	124	1140	1.140	1.257	7V2343RA	10324	7.80		0.227	8.9		0.286	
8-Oct-2007	4	125	1210	1.210	1.334	7V2343RA	10325	5.07		0.148	6.1		0.197	
8-Oct-2007	4	126	1255	1.255	1.383	7V2343RA	10326	10.53		0.307	13.2		0.425	
8-Oct-2007	4	127	1290	1.290	1.422	7V2343RA	10327	6.16		0.180	7.9		0.255	
8-Oct-2007	4	128	1230	1.230	1.356	7V2343RA	10328	9.97		0.291	12.3		0.394	
8-Oct-2007	4	129	1190	1.190	1.312	7V2343RA	10329	8.07		0.235	9.6		0.309	
8-Oct-2007	4	130	1360	1.360	1.499	7V2343RA	10330	10.23		0.298	13.9		0.447	
8-Oct-2007	4	131	1334	1.334	1.470	7V2343RA	10331	15.00		0.437	20.0		0.643	
8-Oct-2007	4	132	1320	1.320	1.455	7V2343RA	10332	10.73	13.64	0.313	14.2		0.455	
8-Oct-2007	4	133	1253	1.253	1.381	7V2343RA	10333	10.07		0.294	12.6		0.406	

WATSON BAR PROJECT
2007 BULK SAMPLE RESULTS

			Weight	Weight	Weight			Assay	Assay	Assay	Grams	Average	Ounces	Average
			kilogram	tonne	ton	Certificate		Au	Au-Check	Au	Contained	g/tonne	Contained	oz/ton
Date	Section	Bag #		(metric)	(US)	Number	Assay Tag	g/tonne	g/tonne	oz/ton (US)	Gold		Gold	(US)
8-Oct-2007	4	134	1140	1.140	1.257	7V2343RA	10334	15.70		0.458	17.9		0.575	
8-Oct-2007	4	135	1195	1.195	1.317	7V2343RA	10335	11.73		0.342	14.0		0.451	
8-Oct-2007	4	136	1260	1.260	1.389	7V2343RA	10336	10.33		0.301	13.0		0.418	
8-Oct-2007	4	137	1290	1.290	1.422	7V2343RA	10337	6.10		0.178	7.9		0.253	
8-Oct-2007	4	138	1210	1.210	1.334	7V2343RA	10338	9.07		0.265	11.0		0.353	
8-Oct-2007	4	139	1225	1.225	1.350	7V2343RA	10339	17.67		0.515	21.6		0.696	
8-Oct-2007	4	140	1380	1.380	1.521	7V2343RA	10340	10.87		0.317	15.0		0.482	
8-Oct-2007	4	141	1260	1.260	1.389	7V2343RA	10341	17.83		0.520	22.5		0.722	
8-Oct-2007	4	142	1280	1.280	1.411	7V2343RA	10342	5.80	6.90	0.169	7.4		0.239	
8-Oct-2007	4	143	1460	1.460	1.609	7V2343RA	10343	38.27		1.116	55.9		1.796	
9-Oct-2007	4	144	1344	1.344	1.482	7V2343RA	10344	42.33		1.235	56.9		1.829	
9-Oct-2007	4	145	1430	1.430	1.576	7V2343RA	10345	69.27		2.020	99.1		3.185	
9-Oct-2007	4	146	1237	1.237	1.364	7V2343RA	10346	60.77		1.772	75.2		2.417	
9-Oct-2007	4	147	1180	1.180	1.301	7V2343RA	10347	137.60	206.40	4.013	162.4		5.220	
9-Oct-2007	4	148	1330	1.330	1.466	7V2343RA	10348	48.93		1.427	65.1		2.092	
9-Oct-2007	4	149	1244	1.244	1.371	7V2343RA	10349	20.65		0.602	25.7		0.826	
9-Oct-2007	4	150	1370	1.370	1.510	7V2343RA	10350	10.13		0.295	13.9		0.446	
9-Oct-2007	4	151	1215	1.215	1.339	7V2343RA	20551	9.33		0.272	11.3		0.364	
Total	**Section 4**		**39153**	**39.153**	**43.159**					0.000	**845.1**	**21.6**	**27.171**	**0.630**
10-Oct-2007	5	176	1507	1.507	1.661	7V2343RA	20576	9.13		0.266	13.8		0.442	
10-Oct-2007	5	177	1624	1.624	1.790	7V2343RA	20577	12.97		0.378	21.1		0.677	
10-Oct-2007	5	178	1470	1.470	1.620	7V2343RA	20578	6.40		0.187	9.4		0.302	
10-Oct-2007	5	179	1587	1.587	1.749	7V2343RA	20579	8.73		0.255	13.9		0.445	
10-Oct-2007	5	180	1440	1.440	1.587	7V2343RA	20580	16.17	14.14	0.472	23.3		0.749	
10-Oct-2007	5	181	1637	1.637	1.804	7V2343RA	20581	8.07		0.235	13.2		0.425	
10-Oct-2007	5	182	1570	1.570	1.731	7V2343RA	20582	9.50		0.277	14.9		0.480	
10-Oct-2007	5	183	1630	1.630	1.797	7V2343RA	20583	7.19		0.210	11.7		0.377	
Total	**Section 5**		**12465**	**12.465**	**13.740**					0.000	**121.2**	**9.7**	**3.897**	**0.284**
Total	**Sample**		**240536**	240.536	265.145						**7115.8**		**228.779**	**0.863**

Appendix II: Geochemical results/analytical procedures

Assayers Canada
8282 Sherbrooke St.
Vancouver, B.C.
V5X 4R6
Tel: (604) 327-3436
Fax: (604) 327-3423

Quality Assaying for over 25 Years

Assay Certificate

7V-2343-RA1

Company: **Durfeld Geological Ltd**

Jan-07-08

Project:

Attn: Rudi Durfeld

We *hereby certify* the following assay of 24 rock samples submitted Oct-29-07

Sample Name	Au g/tonne	Au-Check g/tonne
10201	6.76	5.17
10202	28.23	
10203	107.8	
10204	19.97	
10205	32.82	
10206	34.42	
10207	33.30	
10208	34.12	
10209	23.90	
10210	4.28	4.87
10211	33.72	
10212	35.32	
10213	25.11	
10214	119.1	
10215	33.10	
10216	124.1	
10217	36.88	
10218	112.7	
10219	190.2	
10220	47.60	43.37
10221	166.3	
10222	137.0	
10223	41.56	
10224	119.3	
*0701	0.39	
*BLANK	<0.01	

*Certified by*_____

Assayers Canada
8282 Sherbrooke St.
Vancouver, B.C.
V5X 4R6
Tel: (604) 327-3436
Fax: (604) 327-3423

Quality Assaying for over 25 Years

Assay Certificate

7V-2343-RA2

Company: **Durfeld Geological Ltd**

Jan-07-08

Project:

Attn: Rudi Durfeld

We *hereby certify* the following assay of 24 rock samples submitted Oct-29-07

Sample Name	Au g/tonne	Au-Check g/tonne
10225	42.97	51.40
10226	71.00	
10227	53.93	
10228	20.80	
10229	55.80	
10230	79.70	
10231	64.80	
10232	21.67	
10233	65.17	
10234	83.10	82.7
10235	64.70	
10236	49.40	
10237	48.43	
10238	16.10	
10239	37.20	
10240	56.03	
10241	16.85	
10242	23.10	
10243	36.40	
10244	11.50	25.83
10245	44.37	
10246	29.00	
10247	28.94	
10248	81.30	
*0701	0.37	
*BLANK	<0.01	

*Certified by*_____

Assayers Canada
8282 Sherbrooke St.
Vancouver, B.C.
V5X 4R6
Tel: (604) 327-3436
Fax: (604) 327-3423

Quality Assaying for over 25 Years

Assay Certificate

7V-2343-RA3

Company: **Durfeld Geological Ltd**

Jan-07-08

Project:

Attn: Rudi Durfeld

We *hereby certify* the following assay of 24 rock samples submitted Oct-29-07

Sample Name	Au g/tonne	Au-Check g/tonne
10249	39.73	35.58
10250	34.57	
10301	21.97	
10302	12.83	
10303	14.13	
10304	13.67	
10305	17.10	
10306	19.00	
10307	32.00	
10308	35.90	35.70
10309	28.43	
10310	18.50	
10311	21.90	
10312	19.07	
10313	10.97	
10314	16.77	
10315	13.53	
10316	21.53	
10317	30.63	
10318	8.03	8.43
10319	11.53	
10320	8.67	
10321	10.20	
10322	10.47	
*0701	0.38	
*BLANK	<0.01	

*Certified by*_____

Assayers Canada
8282 Sherbrooke St.
Vancouver, B.C.
V5X 4R6
Tel: (604) 327-3436
Fax: (604) 327-3423

Quality Assaying for over 25 Years

Assay Certificate

7V-2343-RA4

Company: **Durfeld Geological Ltd**

Jan-07-08

Project:

Attn: Rudi Durfeld

We *hereby certify* the following assay of 24 rock samples submitted Oct-29-07

Sample Name	Au g/tonne	AuCheck g/tonne
10323	5.87	6.99
10324	7.80	
10325	5.07	
10326	10.53	
10327	6.16	
10328	9.97	
10329	8.07	
10330	10.23	
10331	15.00	
10332	10.73	13.64
10333	10.07	
10334	15.70	
10335	11.73	
10336	10.33	
10337	6.10	
10338	9.07	
10339	17.67	
10340	10.87	
10341	17.83	
10342	5.80	6.90
10343	38.27	
10344	42.33	
10345	69.27	
10346	60.77	
*0701	0.39	
*BLANK	<0.01	

*Certified by*_____

Assayers Canada
8282 Sherbrooke St.
Vancouver, B.C.
V5X 4R6
Tel: (604) 327-3436
Fax: (604) 327-3423

Quality Assaying for over 25 Years

Assay Certificate

7V-2343-RA5

Company: **Durfeld Geological Ltd**

Jan-07-08

Project:

Attn: Rudi Durfeld

We *hereby certify* the following assay of 24 rock samples submitted Oct-29-07

Sample Name	Au g/tonne	Au g/tonne
10347	137.6	206.4
10348	48.93	
10349	20.65	
10350	10.13	
20551	9.33	
20552	14.33	
20553	33.67	
20554	16.43	
20555	15.37	
20556	34.53	26.25
20557	57.76	
20558	20.33	
20559	10.33	
20560	10.57	
20561	28.00	
20562	17.90	
20563	20.83	
20564	38.87	
20565	54.40	
20566	36.23	32.80
20567	32.27	
20568	23.37	
20569	37.23	
20570	42.77	
*0701	0.40	
*BLANK	<0.01	

*Certified by*_____

Assayers Canada
8282 Sherbrooke St.
Vancouver, B.C.
V5X 4R6
Tel: (604) 327-3436
Fax: (604) 327-3423

Quality Assaying for over 25 Years

Assay Certificate

7V-2343-RA6

Company: **Durfeld Geological Ltd**

Jan-07-08

Project:

Attn: Rudi Durfeld

We *hereby certify* the following assay of 24 rock samples submitted Oct-29-07

Sample Name	Au g/tonne	Au g/tonne
20571	29.33	31.07
20572	11.37	
20573	15.77	
20574	15.90	
20575	16.83	
20576	9.13	
20577	12.97	
20578	6.40	
20579	8.73	
20580	16.17	14.14
20581	8.07	
20582	9.50	
20583	7.19	
20951	24.50	
20952	43.03	
20953	18.57	
20954	12.93	
20955	10.43	
20956	8.43	
20957	2.14	1.64
20958	8.97	
20959	6.40	
20960	21.33	
20961	21.27	
*0701	0.37	
*BLANK	<0.01	

*Certified by*_____

Assayers Canada
8282 Sherbrooke St.
Vancouver, B.C.
V5X 4R6
Tel: (604) 327-3436
Fax: (604) 327-3423

Quality Assaying for over 25 Years

Assay Certificate

7V-2343-RA7

Company: **Durfeld Geological Ltd**

Jan-07-08

Project:

Attn: Rudi Durfeld

We *hereby certify* the following assay of 24 rock samples submitted Oct-29-07

Sample Name	Au g/tonne	Au-Check g/tonne
20962	13.70	14.05
20963	42.23	
20964	10.30	
20965	23.67	
20966	47.93	
20967	20.13	
20968	14.13	
20969	27.67	
20970	22.57	
20971	28.30	32.33
20972	53.63	
20973	32.67	
20974	38.10	
20975	27.57	
20976	24.03	
20977	18.67	
20978	14.10	
20979	15.53	
20980	15.67	
20981	18.17	20.10
20982	28.30	
20983	27.83	
20984	21.03	
20985	24.07	
*0701	0.39	
*BLANK	<0.01	

*Certified by*_____

Assayers Canada
8282 Sherbrooke St.
Vancouver, B.C.
V5X 4R6
Tel: (604) 327-3436
Fax: (604) 327-3423

Quality Assaying for over 25 Years

Assay Certificate

7V-2343-RA8

Company: **Durfeld Geological Ltd**

Jan-07-08

Project:

Attn: Rudi Durfeld

We *hereby certify* the following assay of 24 rock samples submitted Oct-29-07

Sample Name	Au g/tonne	Au-Check g/tonne
20986	24.33	24.18
20987	22.77	
20988	38.24	
20989	25.43	
20990	21.15	
20991	24.84	
20992	23.25	
20993	16.82	
20994	35.18	
20995	13.34	12.37
20996	17.82	
20997	24.04	
20998	16.69	
20999	25.51	
21000	23.18	
*0701	0.37	
*BLANK	<0.01	

*Certified by*_____

Assayers Canada

8282 Sherbrooke St., Vancouver, B.C., V5X 4R6
Tel: (604) 327-3436 Fax: (604) 327-3423

Durfeld Geological Ltd

Attention: Rudi Durfeld

Project:

Sample type:

Report No : 7V2343RJ

Date : Jan-07-08

Multi-Element ICP-AES Analysis

Aqua Regia Digestion

Sample Number	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm	Th ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm	Zr ppm
10201	11.5	0.52	>10000	56	<0.5	11	0.46	4	5	47	225	5.09	1	0.24	<10	0.20	74	<2	0.03	7	781	2420	0.40	27	2	84	<5	<0.01	<10	16	30	<10	211	5
10202	29.4	0.43	>10000	45	<0.5	34	0.47	5	4	54	346	6.24	2	0.21	<10	0.14	44	<2	0.02	5	466	5038	0.35	38	2	14	<5	<0.01	<10	24	26	<10	290	5
10203	200.0	0.30	>10000	189	<0.5	306	0.14	7	3	132	448	4.81	7	0.16	<10	0.09	37	<2	0.01	6	400	>10000	0.30	95	1	10	<5	<0.01	<10	20	16	<10	242	4
10204	56.6	0.17	>10000	86	<0.5	95	0.06	5	2	96	227	4.60	2	0.14	<10	0.03	7	<2	0.01	4	297	>10000	0.19	48	1	11	<5	<0.01	<10	16	13	<10	187	4
10205	90.6	0.97	>10000	51	<0.5	161	0.91	14	5	42	418	6.67	5	0.18	<10	0.42	177	<2	0.03	9	630	>10000	0.44	39	3	152	<5	<0.01	<10	24	38	<10	475	6
10206	59.9	0.40	>10000	65	<0.5	81	0.15	8	3	93	394	4.60	2	0.18	<10	0.13	53	<2	0.01	6	393	>10000	0.28	44	1	12	<5	<0.01	<10	14	20	<10	276	4
10207	36.7	0.45	>10000	35	<0.5	51	0.71	6	5	17	293	5.63	3	0.14	<10	0.20	96	<2	0.02	6	604	6656	0.34	37	2	69	<5	<0.01	<10	21	25	<10	413	5
10208	32.4	0.49	>10000	52	<0.5	49	0.52	7	5	48	315	6.35	3	0.28	<10	0.15	61	<2	0.03	6	631	6865	0.51	43	2	85	<5	<0.01	<10	22	30	<10	359	5
10209	40.5	0.59	>10000	39	<0.5	37	0.59	7	6	40	299	6.06	4	0.24	<10	0.23	104	<2	0.03	7	662	6246	0.42	38	2	86	<5	<0.01	<10	23	31	<10	383	5
10210	12.4	0.63	>10000	57	<0.5	10	0.73	5	5	50	128	4.12	1	0.27	<10	0.18	115	2	0.03	7	807	2055	0.40	26	2	112	<5	<0.01	<10	13	23	<10	332	4
10211	35.6	0.59	>10000	52	<0.5	57	0.63	7	6	40	291	5.77	2	0.23	<10	0.20	105	<2	0.03	9	633	6127	0.43	38	2	119	<5	<0.01	<10	21	29	<10	510	5
10212	51.4	0.51	>10000	50	<0.5	39	0.64	5	6	41	324	5.83	4	0.26	<10	0.18	73	<2	0.03	10	560	6556	0.43	40	2	81	<5	<0.01	<10	22	25	<10	374	5
10213	24.0	0.40	>10000	38	<0.5	42	0.44	6	3	54	259	5.24	1	0.20	<10	0.14	44	<2	0.03	6	643	5079	0.36	34	2	76	<5	<0.01	<10	27	23	<10	255	5
10214	>200.0	0.54	>10000	45	<0.5	249	0.53	21	5	50	630	9.49	22	0.14	<10	0.25	73	<2	0.03	7	602	>10000	0.42	80	2	79	<5	<0.01	<10	45	35	<10	641	7
10215	35.8	1.10	>10000	55	<0.5	62	0.57	8	8	60	340	6.80	3	0.22	<10	0.55	166	<2	0.03	14	827	6607	0.37	40	3	53	<5	<0.01	<10	23	41	<10	478	6
10216	160.2	0.23	>10000	42	<0.5	291	0.43	10	4	60	689	10.09	10	0.18	<10	0.05	20	<2	0.02	4	521	>10000	0.36	91	2	18	<5	<0.01	<10	48	27	16	364	8
10217	67.9	0.35	>10000	34	<0.5	134	0.41	9	5	78	512	9.05	4	0.15	<10	0.11	44	<2	0.02	6	367	>10000	0.28	63	2	17	<5	<0.01	<10	35	26	11	370	6
10218	109.2	0.34	>10000	39	<0.5	180	0.31	8	4	79	572	7.43	7	0.12	<10	0.14	40	<2	0.01	6	362	>10000	0.21	67	2	14	<5	<0.01	<10	32	23	10	277	6
10219	170.1	0.37	>10000	47	<0.5	137	0.59	9	4	60	564	8.09	14	0.19	<10	0.12	55	<2	0.02	5	560	>10000	0.28	79	2	29	<5	<0.01	<10	35	24	11	309	6
10220	88.4	0.27	>10000	40	<0.5	169	0.36	7	3	85	565	6.59	4	0.13	<10	0.09	36	<2	0.02	5	377	>10000	0.25	54	1	30	<5	<0.01	<10	27	19	<10	261	5
10221	177.7	0.51	>10000	37	<0.5	219	0.58	10	6	60	444	8.33	13	0.18	<10	0.19	117	<2	0.02	8	514	>10000	0.34	63	1	58	<5	<0.01	<10	34	28	<10	395	6
10222	156.4	0.34	>10000	33	<0.5	202	0.45	13	5	88	609	7.24	11	0.16	<10	0.10	67	<2	0.02	5	466	>10000	0.38	67	1	46	<5	<0.01	<10	24	21	<10	462	6
10223	136.1	0.52	>10000	36	<0.5	233	0.56	14	5	66	537	7.22	8	0.16	<10	0.22	104	<2	0.02	7	509	>10000	0.42	56	1	65	<5	<0.01	<10	27	27	<10	542	5
10224	152.4	0.45	>10000	33	<0.5	258	0.67	15	4	84	575	7.20	10	0.15	<10	0.18	109	<2	0.03	7	480	>10000	0.38	60	1	68	<5	<0.01	<10	28	26	<10	497	5
10225	77.3	0.67	>10000	45	<0.5	124	0.58	9	6	75	375	6.08	5	0.22	<10	0.27	140	<2	0.03	10	551	>10000	0.36	45	2	66	<5	<0.01	<10	17	28	<10	450	5
10226	100.2	0.88	>10000	49	<0.5	171	0.90	12	9	64	504	7.19	6	0.22	<10	0.34	255	<2	0.03	13	658	>10000	0.36	52	2	80	<5	<0.01	<10	18	31	<10	596	6
10227	96.3	1.04	>10000	48	<0.5	144	1.07	19	10	80	530	7.56	6	0.18	<10	0.48	309	<2	0.03	16	655	>10000	0.32	57	2	65	<5	<0.01	<10	21	39	<10	936	6
10228	57.5	0.42	>10000	53	<0.5	99	0.12	9	4	172	477	4.57	1	0.18	<10	0.10	41	<2	0.01	10	336	8360	0.52	46	1	10	<5	<0.01	<10	13	19	<10	338	4
10229	104.9	0.84	>10000	78	<0.5	81	0.24	14	7	138	471	4.85	6	0.23	<10	0.35	128	<2	0.02	13	451	>10000	0.63	53	2	11	<5	<0.01	<10	10	26	<10	346	4
10230	114.4	0.35	>10000	59	<0.5	116	0.12	14	3	123	519	4.91	7	0.17	<10	0.08	41	<2	0.01	7	293	>10000	0.42	76	1	11	<5	<0.01	<10	13	18	<10	313	4

A .5 gm sample is digested with 5 ml 3:1 HCl/HNO3 at 95ºC for 2 hours and diluted to 25ml.

Signed: _____

Assayers Canada

Durfeld Geological Ltd

8282 Sherbrooke St., Vancouver, B.C., V5X 4R6

Tel: (604) 327-3436 Fax: (604) 327-3423

Report No : 7V2343RJ

Attention: Rudi Durfeld

Date : Jan-07-08

Project:

Sample type:

Multi-Element ICP-AES Analysis

Aqua Regia Digestion

Sample Number	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm	Th ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm	Zr ppm
10231	108.8	0.39	>10000	175	<0.5	122	0.20	15	3	92	532	4.52	6	0.15	<10	0.12	66	<2	0.01	7	366	>10000	0.31	61	1	11	<5	<0.01	<10	11	18	<10	382	4
10232	53.2	0.48	>10000	123	<0.5	95	0.41	6	4	115	310	3.92	1	0.14	<10	0.20	107	<2	0.01	10	371	9557	0.21	30	1	11	<5	<0.01	11	10	19	<10	213	4
10233	57.4	0.56	>10000	84	<0.5	66	0.30	13	4	88	557	5.01	4	0.22	<10	0.15	90	<2	0.02	6	490	>10000	0.27	50	2	32	<5	<0.01	<10	14	21	<10	434	4
10234	126.5	0.54	>10000	95	<0.5	173	0.16	13	3	220	482	4.75	6	0.27	<10	0.09	56	<2	0.02	8	325	>10000	0.34	67	1	12	<5	<0.01	<10	11	20	<10	380	4
10235	>200.0	0.50	>10000	169	<0.5	418	0.20	17	3	99	1284	6.17	11	0.16	<10	0.12	55	<2	0.02	8	444	>10000	0.56	129	1	17	<5	<0.01	10	11	19	<10	612	5
10236	133.6	0.37	>10000	76	<0.5	231	0.17	14	3	124	674	4.62	4	0.13	<10	0.13	67	<2	0.01	8	382	>10000	0.38	81	1	19	<5	<0.01	19	<10	17	<10	395	4
10237	156.0	0.62	>10000	104	<0.5	172	0.28	16	4	138	886	4.84	9	0.20	<10	0.17	100	<2	0.02	8	441	>10000	0.47	84	1	23	<5	<0.01	16	<10	22	<10	532	4
10238	91.3	0.97	>10000	52	<0.5	113	0.46	42	5	99	1658	5.12	3	0.23	<10	0.42	198	<2	0.02	10	582	>10000	0.38	32	2	65	<5	<0.01	<10	<10	33	<10	1638	4
10239	90.1	0.65	>10000	96	<0.5	131	0.33	22	4	83	861	4.61	4	0.22	<10	0.17	94	<2	0.02	7	643	>10000	0.41	44	1	95	<5	<0.01	10	<10	24	<10	585	4
10240	150.0	0.58	>10000	135	<0.5	235	0.34	16	4	86	1008	5.33	7	0.17	<10	0.20	127	<2	0.02	8	648	>10000	0.49	69	2	38	<5	<0.01	12	<10	21	<10	624	5
10241	45.0	1.19	>10000	147	<0.5	59	0.38	23	6	208	683	4.24	3	0.39	<10	0.41	216	<2	0.03	12	572	9065	0.30	29	2	83	<5	<0.01	23	<10	31	<10	718	4
10242	68.5	1.01	>10000	88	<0.5	72	0.30	23	5	191	570	4.20	4	0.32	<10	0.36	186	<2	0.02	14	602	9386	0.37	36	2	45	<5	<0.01	15	<10	28	<10	594	4
10243	67.1	0.48	>10000	85	<0.5	91	0.15	20	3	153	697	4.56	3	0.23	<10	0.09	82	<2	0.02	9	431	>10000	0.39	56	1	25	<5	<0.01	<10	11	20	<10	348	4
10244	123.1	0.64	>10000	91	<0.5	136	0.19	25	4	156	869	4.15	6	0.22	<10	0.22	120	<2	0.02	11	447	>10000	0.41	48	1	26	<5	<0.01	<10	<10	20	<10	344	4
10245	97.8	0.58	>10000	73	<0.5	143	0.14	18	3	192	649	5.18	3	0.27	<10	0.14	71	<2	0.02	11	450	>10000	0.46	54	1	29	<5	<0.01	<10	12	23	<10	346	4
10246	60.7	0.64	>10000	72	<0.5	82	0.27	25	4	111	632	4.73	3	0.21	<10	0.25	118	<2	0.02	8	517	>10000	0.32	37	1	47	<5	<0.01	<10	11	23	<10	524	4
10247	105.6	1.50	>10000	115	<0.5	95	0.43	43	5	287	1104	5.35	5	0.63	<10	0.32	222	<2	0.04	13	580	>10000	0.38	47	3	82	<5	<0.01	11	10	37	<10	752	5
10248	89.8	0.46	>10000	36	<0.5	152	0.27	18	3	231	768	6.20	4	0.15	<10	0.13	72	<2	0.02	11	229	>10000	0.24	112	1	15	<5	<0.01	11	15	19	<10	486	5
10249	100.2	0.40	>10000	39	<0.5	70	0.13	10	3	109	390	4.65	7	0.17	<10	0.11	45	<2	0.02	5	355	8099	0.19	62	1	13	<5	<0.01	<10	16	18	<10	272	4
10250	40.6	0.41	>10000	34	<0.5	54	0.11	9	3	120	372	4.56	2	0.17	<10	0.10	42	<2	0.02	7	411	5264	0.21	57	1	14	<5	<0.01	<10	14	20	<10	203	4
10301	28.8	0.37	>10000	100	<0.5	56	0.17	4	3	111	133	6.45	<1	0.19	<10	0.08	47	<2	0.02	5	324	5029	0.26	65	2	18	<5	<0.01	<10	25	22	11	183	5
10302	13.2	0.31	>10000	226	<0.5	19	0.31	2	2	91	73	4.59	1	0.19	<10	0.06	32	<2	0.02	5	445	2169	0.32	42	2	13	<5	<0.01	<10	20	18	<10	102	4
10303	18.4	0.52	>10000	162	<0.5	29	0.22	4	3	112	101	5.57	1	0.21	<10	0.14	63	<2	0.03	6	430	4166	0.29	48	2	15	<5	<0.01	<10	14	24	<10	188	5
10304	18.4	0.36	>10000	85	<0.5	26	0.14	3	3	123	98	4.53	<1	0.18	<10	0.08	48	<2	0.02	6	265	2719	0.20	44	2	14	<5	<0.01	<10	14	18	<10	145	4
10305	17.9	0.47	>10000	210	<0.5	29	0.22	3	4	109	102	5.48	<1	0.20	<10	0.12	70	<2	0.03	6	425	4098	0.32	53	2	15	<5	<0.01	<10	16	21	<10	171	5
10306	23.0	0.50	>10000	90	<0.5	40	0.17	3	5	108	116	5.95	1	0.14	<10	0.17	74	<2	0.02	8	305	3913	0.19	60	2	15	<5	<0.01	<10	19	23	<10	196	5
10307	42.5	0.14	>10000	62	<0.5	56	0.10	2	2	154	140	5.27	<1	0.08	<10	0.03	23	<2	0.01	5	158	8213	0.19	82	1	14	<5	<0.01	15	19	14	10	89	4
10308	24.4	0.22	>10000	79	<0.5	37	0.25	2	2	143	86	4.72	<1	0.11	<10	0.05	20	<2	0.02	7	292	4161	0.35	68	2	11	<5	<0.01	<10	18	14	<10	87	4
10309	36.7	0.27	>10000	69	<0.5	54	0.15	3	2	130	113	6.01	1	0.17	<10	0.05	21	<2	0.03	4	443	6815	0.32	70	2	14	<5	<0.01	<10	26	19	10	132	5
10310	21.5	0.55	>10000	88	<0.5	36	0.23	4	4	109	130	5.44	<1	0.19	<10	0.19	85	<2	0.03	8	398	3600	0.30	51	2	14	<5	<0.01	<10	20	26	<10	221	4

A .5 gm sample is digested with 5 ml 3:1 HCl/HNO3 at 95ºC for 2 hours and diluted to 25ml.

Signed: _____

Assayers Canada

8282 Sherbrooke St., Vancouver, B.C., V5X 4R6
Tel: (604) 327-3436 Fax: (604) 327-3423

Durfeld Geological Ltd

Attention: Rudi Durfeld

Project:

Sample type:

Report No : 7V2343RJ

Date : Jan-07-08

Multi-Element ICP-AES Analysis

Aqua Regia Digestion

Sample Number	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm	Th ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm	Zr ppm
10311	34.0	0.57	>10000	127	<0.5	70	0.28	3	5	115	128	5.81	<1	0.19	<10	0.19	75	<2	0.03	7	382	5072	0.28	59	2	13	<5	<0.01	<10	22	26	<10	194	5
10312	26.1	0.48	>10000	173	<0.5	46	0.21	3	3	109	124	5.22	1	0.19	<10	0.14	51	<2	0.02	7	396	4317	0.29	51	2	13	<5	<0.01	<10	17	22	<10	162	5
10313	16.0	0.72	>10000	97	<0.5	24	0.23	4	4	105	86	5.29	<1	0.25	<10	0.23	96	<2	0.03	8	432	2655	0.32	37	3	33	<5	<0.01	12	17	30	<10	215	5
10314	24.2	0.50	>10000	110	<0.5	37	0.24	3	3	95	114	5.01	<1	0.23	<10	0.10	46	<2	0.03	6	561	3647	0.36	40	2	14	<5	<0.01	<10	17	23	<10	153	4
10315	29.4	0.88	>10000	311	<0.5	65	0.49	6	5	110	126	5.15	1	0.21	<10	0.28	174	<2	0.04	10	578	3048	0.36	36	3	66	<5	<0.01	<10	13	30	<10	335	5
10316	18.1	0.46	>10000	124	<0.5	26	0.21	3	4	112	129	5.55	<1	0.14	<10	0.15	72	<2	0.02	8	354	3158	0.26	56	2	14	<5	<0.01	10	21	22	<10	177	4
10317	37.8	0.34	>10000	99	<0.5	70	0.20	3	3	136	118	5.38	1	0.10	<10	0.12	49	<2	0.02	6	331	5423	0.22	70	2	16	<5	<0.01	<10	18	18	<10	148	4
10318	9.8	0.62	>10000	99	<0.5	11	0.33	5	5	71	88	4.63	<1	0.23	<10	0.17	121	<2	0.03	7	639	1211	0.31	22	2	29	<5	<0.01	<10	<10	25	<10	267	4
10319	9.8	0.74	>10000	165	<0.5	12	0.37	5	5	86	97	4.25	<1	0.24	<10	0.24	224	<2	0.03	7	488	1591	0.26	25	2	71	<5	<0.01	<10	<10	23	<10	287	4
10320	10.5	0.38	>10000	98	<0.5	13	0.20	3	2	70	83	3.92	<1	0.27	<10	0.08	30	<2	0.03	5	413	1617	0.40	27	2	27	<5	<0.01	<10	17	23	<10	125	4
10321	12.9	1.06	>10000	264	<0.5	27	0.62	9	8	73	109	5.47	<1	0.24	<10	0.35	312	<2	0.04	15	808	1298	0.28	23	2	123	<5	<0.01	<10	14	29	<10	434	5
10322	15.9	0.66	>10000	179	<0.5	25	0.53	10	7	75	105	5.00	1	0.25	<10	0.17	294	<2	0.03	10	766	2900	0.30	35	2	75	<5	<0.01	<10	13	23	<10	373	4
10323	18.4	1.42	>10000	155	0.5	37	0.75	11	11	56	176	5.58	<1	0.38	<10	0.47	368	<2	0.05	15	881	2044	0.53	19	3	126	<5	<0.01	12	<10	35	<10	527	5
10324	16.0	1.49	>10000	174	<0.5	31	0.76	11	12	57	118	5.84	1	0.27	10	0.54	373	<2	0.04	19	812	1705	0.37	19	3	136	<5	<0.01	<10	10	36	<10	658	5
10325	6.3	1.18	>10000	160	<0.5	9	0.49	7	8	67	83	5.65	<1	0.36	<10	0.44	310	<2	0.03	12	799	976	0.46	19	2	77	<5	<0.01	<10	<10	34	<10	344	5
10326	9.7	1.03	>10000	118	<0.5	15	0.49	6	7	84	89	5.60	<1	0.27	<10	0.38	256	<2	0.03	12	725	1671	0.30	29	2	62	<5	<0.01	<10	14	30	<10	283	4
10327	13.0	2.18	>10000	386	<0.5	29	0.70	8	13	55	147	6.10	1	0.27	11	0.85	374	<2	0.05	24	823	1025	0.25	14	4	111	<5	<0.01	<10	16	48	<10	698	5
10328	7.0	0.59	>10000	127	<0.5	13	0.28	5	5	107	78	5.01	1	0.21	<10	0.17	198	<2	0.02	9	755	1065	0.28	26	2	23	<5	<0.01	<10	10	22	<10	193	4
10329	6.1	0.88	>10000	117	0.9	8	0.33	7	7	76	84	5.33	<1	0.27	<10	0.33	317	<2	0.03	9	916	738	0.30	21	2	36	<5	<0.01	<10	<10	30	<10	259	4
10330	9.7	0.49	>10000	122	<0.5	15	0.28	5	4	125	78	4.78	1	0.22	<10	0.10	123	<2	0.02	8	795	1820	0.32	31	2	35	<5	<0.01	<10	13	19	<10	196	4
10331	10.1	0.59	>10000	76	<0.5	17	0.43	6	5	127	98	5.53	<1	0.18	<10	0.21	226	<2	0.03	10	688	1736	0.29	45	2	34	<5	<0.01	<10	11	23	<10	275	4
10332	9.7	0.62	>10000	71	<0.5	19	0.35	6	4	128	90	5.37	1	0.22	<10	0.18	207	<2	0.03	9	814	1294	0.31	36	2	41	<5	<0.01	<10	15	24	<10	228	4
10333	6.0	0.73	>10000	110	<0.5	11	0.49	6	6	101	85	5.70	1	0.27	<10	0.24	226	<2	0.04	8	998	998	0.43	29	2	73	<5	<0.01	<10	14	30	<10	234	5
10334	7.1	0.67	>10000	101	<0.5	15	0.46	5	5	96	94	5.67	1	0.24	<10	0.19	203	<2	0.03	9	785	1179	0.33	32	2	48	<5	<0.01	<10	16	27	<10	233	5
10335	10.3	1.05	>10000	131	<0.5	23	0.68	10	10	63	133	5.58	1	0.32	<10	0.34	322	<2	0.04	11	977	1219	0.38	23	2	100	<5	<0.01	<10	16	31	<10	509	5
10336	7.4	1.09	>10000	154	<0.5	14	0.71	10	12	70	138	6.67	<1	0.21	<10	0.40	325	<2	0.04	16	864	1255	0.30	35	3	101	<5	<0.01	<10	19	34	<10	551	5
10337	7.1	1.13	>10000	120	<0.5	11	0.64	8	8	66	101	5.61	<1	0.31	<10	0.44	263	<2	0.05	12	843	820	0.46	23	3	132	<5	<0.01	<10	16	36	<10	394	5
10338	13.5	1.09	>10000	208	<0.5	29	0.54	6	6	78	119	5.88	1	0.26	<10	0.42	193	<2	0.05	12	745	1586	0.39	26	3	87	<5	<0.01	10	14	38	<10	346	5
10339	14.4	1.37	>10000	214	<0.5	29	0.75	8	10	94	133	6.33	<1	0.26	<10	0.54	314	<2	0.04	16	1101	1991	0.39	34	3	99	<5	<0.01	<10	20	42	<10	423	5
10340	9.8	0.98	>10000	174	<0.5	18	0.63	9	8	83	108	6.17	<1	0.27	<10	0.37	281	<2	0.05	13	950	1481	0.45	33	3	113	<5	<0.01	<10	15	36	<10	395	5

A .5 gm sample is digested with 5 ml 3:1 HCl/HNO3 at 95ºC for 2 hours and diluted to 25ml.

Signed: _____

Assayers Canada

8282 Sherbrooke St., Vancouver, B.C., V5X 4R6
Tel: (604) 327-3436 Fax: (604) 327-3423

Durfeld Geological Ltd

Attention: Rudi Durfeld

Project:

Sample type:

Report No : 7V2343RJ

Date : Jan-07-08

Multi-Element ICP-AES Analysis

Aqua Regia Digestion

Sample Number	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm	Th ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm	Zr ppm
10341	12.7	1.08	>10000	103	<0.5	19	0.52	7	9	152	119	6.77	<1	0.18	<10	0.55	307	<2	0.03	20	581	2264	0.25	48	3	48	<5	<0.01	<10	14	37	<10	388	5
10342	5.3	1.18	>10000	96	<0.5	6	0.63	9	12	79	100	6.41	<1	0.33	<10	0.50	333	<2	0.05	18	1013	629	0.49	26	3	129	<5	<0.01	<10	10	42	<10	454	5
10343	23.0	1.07	>10000	125	<0.5	41	0.78	10	10	100	136	5.90	1	0.27	<10	0.46	303	<2	0.04	16	655	2178	0.54	31	2	78	<5	<0.01	<10	11	34	<10	487	5
10344	41.3	0.79	>10000	83	<0.5	92	0.83	14	6	47	163	6.12	1	0.23	<10	0.23	147	<2	0.04	8	744	3325	0.54	34	2	71	<5	<0.01	<10	26	29	<10	406	5
10345	58.0	0.87	>10000	135	<0.5	95	1.02	12	8	65	216	6.27	3	0.22	<10	0.30	236	<2	0.03	10	733	3438	0.54	36	2	54	<5	<0.01	<10	22	30	<10	410	5
10346	60.3	0.66	>10000	223	<0.5	113	1.03	8	5	61	149	6.11	3	0.28	<10	0.17	88	<2	0.04	7	879	4342	0.89	36	2	71	<5	<0.01	<10	22	29	<10	290	5
10347	42.3	0.71	>10000	200	<0.5	79	1.00	10	5	54	149	6.10	4	0.27	<10	0.20	105	<2	0.03	6	847	2459	0.86	34	2	42	<5	<0.01	<10	26	27	<10	286	5
10348	51.8	0.68	>10000	191	<0.5	103	0.96	10	6	43	190	5.77	3	0.23	<10	0.22	138	<2	0.03	7	783	3972	0.72	33	1	54	<5	<0.01	<10	22	24	<10	385	5
10349	20.7	0.77	>10000	190	<0.5	46	1.11	6	6	67	99	4.93	2	0.28	<10	0.23	139	<2	0.03	8	880	1776	0.93	28	2	55	<5	<0.01	<10	18	26	<10	247	4
10350	11.4	0.97	>10000	238	<0.5	22	0.79	4	8	88	72	4.69	1	0.21	<10	0.43	294	<2	0.02	14	648	1307	0.39	25	2	37	<5	<0.01	<10	12	28	<10	189	4
20551	8.7	0.66	>10000	239	<0.5	15	0.53	5	5	97	65	4.33	1	0.17	<10	0.30	213	<2	0.02	9	526	1204	0.31	27	2	36	<5	<0.01	<10	11	23	<10	230	4
20552	59.3	0.41	>10000	63	<0.5	111	0.40	13	3	80	288	4.40	1	0.24	<10	0.09	145	<2	0.02	6	360	>10000	0.31	27	1	36	<5	<0.01	<10	12	16	<10	364	4
20553	53.1	0.30	>10000	57	<0.5	92	0.27	10	2	79	307	4.12	2	0.19	<10	0.07	62	<2	0.01	4	348	>10000	0.28	37	1	12	<5	<0.01	<10	16	13	<10	223	3
20554	90.7	0.42	>10000	63	<0.5	163	0.32	13	3	102	339	4.82	2	0.16	<10	0.15	125	<2	0.02	8	373	>10000	0.31	36	1	14	<5	<0.01	<10	13	18	<10	325	4
20555	111.6	0.46	>10000	102	<0.5	188	0.34	12	3	127	360	4.68	3	0.14	<10	0.20	113	<2	0.02	8	383	>10000	0.36	37	1	14	<5	<0.01	<10	15	20	<10	350	4
20556	94.0	0.29	>10000	62	<0.5	163	0.14	10	2	146	301	4.15	2	0.14	<10	0.07	62	<2	0.01	8	289	>10000	0.31	38	1	13	<5	<0.01	<10	11	14	<10	241	3
20557	141.1	0.27	>10000	43	<0.5	222	0.17	13	2	147	410	4.66	5	0.11	<10	0.08	77	<2	0.01	6	280	>10000	0.29	52	1	16	<5	<0.01	10	12	14	<10	358	4
20558	84.5	0.69	>10000	54	<0.5	118	0.59	8	4	132	294	3.97	3	0.14	<10	0.35	209	<2	0.02	11	390	>10000	0.27	30	2	15	<5	<0.01	<10	<10	23	<10	290	3
20559	99.8	0.60	>10000	76	<0.5	182	0.42	12	4	125	396	5.18	2	0.17	<10	0.25	178	<2	0.02	8	513	>10000	0.36	35	1	53	<5	<0.01	<10	11	22	<10	402	4
20560	80.6	0.37	>10000	46	<0.5	124	0.16	7	2	119	223	3.70	3	0.19	<10	0.09	53	<2	0.02	6	342	>10000	0.22	33	1	14	<5	<0.01	10	10	15	<10	194	3
20561	99.3	0.53	>10000	101	<0.5	175	0.24	9	4	115	338	4.56	3	0.16	<10	0.20	107	<2	0.02	7	476	>10000	0.40	40	1	16	<5	<0.01	<10	11	20	<10	306	4
20562	56.1	0.32	>10000	61	<0.5	96	0.14	9	2	121	271	4.19	2	0.13	<10	0.11	61	<2	0.01	7	356	8286	0.23	37	1	15	<5	<0.01	<10	11	14	<10	245	3
20563	79.0	0.36	>10000	62	<0.5	137	0.16	13	3	150	355	4.95	2	0.15	<10	0.11	61	<2	0.01	7	467	>10000	0.25	47	1	18	<5	<0.01	12	15	17	<10	316	4
20564	79.3	0.37	>10000	39	<0.5	127	0.16	9	3	137	299	4.53	3	0.13	<10	0.13	69	<2	0.01	8	334	>10000	0.29	49	1	14	<5	<0.01	<10	13	16	<10	250	4
20565	75.8	0.47	>10000	56	<0.5	137	0.22	12	3	122	392	4.93	2	0.12	<10	0.20	100	<2	0.01	7	407	>10000	0.28	39	1	15	<5	<0.01	<10	13	20	<10	308	4
20566	96.6	0.50	>10000	102	<0.5	106	0.25	8	4	108	267	4.90	5	0.13	<10	0.22	101	<2	0.01	8	406	>10000	0.24	44	1	17	<5	<0.01	12	14	21	<10	261	4
20567	52.4	0.30	>10000	51	<0.5	98	0.18	11	3	117	316	5.03	2	0.13	<10	0.09	52	<2	0.01	5	305	9457	0.26	45	1	16	<5	<0.01	<10	15	16	<10	271	4
20568	51.8	0.58	>10000	90	<0.5	94	0.22	8	5	107	289	5.27	2	0.15	<10	0.24	121	<2	0.02	9	531	8142	0.23	38	2	18	<5	<0.01	10	17	22	<10	314	4
20569	96.7	0.29	>10000	32	<0.5	129	0.13	9	2	156	321	4.28	4	0.12	<10	0.09	62	<2	0.01	6	303	>10000	0.25	45	1	17	<5	<0.01	13	14	14	<10	304	4
20570	58.7	0.56	>10000	46	<0.5	94	0.30	11	4	123	338	4.05	2	0.15	<10	0.24	113	<2	0.02	9	336	>10000	0.20	38	1	15	<5	<0.01	<10	<10	18	<10	290	3

A .5 gm sample is digested with 5 ml 3:1 HCl/HNO3 at 95ºC for 2 hours and diluted to 25ml.

Signed: _____

Assayers Canada

8282 Sherbrooke St., Vancouver, B.C., V5X 4R6
Tel: (604) 327-3436 Fax: (604) 327-3423

Durfeld Geological Ltd

Attention: Rudi Durfeld

Project:

Sample type:

Report No : 7V2343RJ

Date : Jan-07-08

Multi-Element ICP-AES Analysis

Aqua Regia Digestion

Sample Number	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm	Th ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm	Zr ppm
20571	54.8	0.42	>10000	52	<0.5	95	0.29	11	3	156	379	4.29	2	0.17	<10	0.12	71	<2	0.02	7	320	>10000	0.29	48	1	10	<5	<0.01	<10	18	17	<10	286	3
20572	62.2	0.62	>10000	133	<0.5	106	0.40	8	4	144	272	4.50	2	0.16	<10	0.26	162	<2	0.02	11	571	>10000	0.25	35	2	11	<5	<0.01	<10	14	21	<10	286	4
20573	41.9	0.67	>10000	86	<0.5	80	0.31	10	5	104	249	4.83	2	0.19	<10	0.24	151	<2	0.02	9	614	7478	0.28	35	2	13	<5	<0.01	<10	17	23	<10	351	4
20574	45.7	0.33	>10000	48	<0.5	89	0.16	7	2	124	308	4.67	2	0.18	<10	0.04	28	<2	0.01	6	480	7543	0.23	37	1	12	<5	<0.01	<10	21	17	<10	207	3
20575	43.8	0.46	>10000	116	<0.5	81	0.29	10	2	99	253	4.36	1	0.19	<10	0.10	99	<2	0.02	5	633	5549	0.21	32	1	23	<5	<0.01	<10	10	16	<10	274	4
20576	23.4	0.44	>10000	91	<0.5	35	0.13	8	3	106	244	3.76	1	0.21	<10	0.09	40	<2	0.01	7	502	5566	0.20	26	1	10	<5	<0.01	<10	21	16	<10	183	3
20577	36.4	0.42	>10000	68	<0.5	51	0.11	9	3	123	335	4.18	2	0.22	<10	0.09	35	<2	0.01	6	600	9127	0.25	36	1	12	<5	<0.01	<10	18	16	<10	206	3
20578	20.7	0.62	>10000	76	<0.5	32	0.22	10	4	109	197	4.42	1	0.22	<10	0.19	109	<2	0.02	9	543	4589	0.20	27	2	13	<5	<0.01	<10	14	22	<10	226	4
20579	18.2	0.60	>10000	81	<0.5	26	0.25	15	4	90	241	4.48	1	0.23	<10	0.18	138	<2	0.02	8	804	4520	0.22	29	2	38	<5	<0.01	<10	17	22	<10	244	4
20580	21.1	0.81	>10000	63	<0.5	27	0.27	17	6	96	382	4.55	1	0.21	<10	0.35	198	<2	0.02	12	677	6017	0.20	33	2	26	<5	<0.01	<10	13	25	<10	322	4
20581	14.6	1.00	>10000	61	<0.5	18	0.39	26	7	79	358	4.86	1	0.22	<10	0.44	289	<2	0.02	12	700	4158	0.21	24	2	56	<5	<0.01	<10	10	27	<10	437	4
20582	14.3	0.85	>10000	63	<0.5	20	0.40	33	5	85	371	4.38	1	0.23	<10	0.28	331	<2	0.02	10	597	3605	0.18	23	2	48	<5	<0.01	<10	<10	21	<10	561	3
20583	20.0	0.92	>10000	60	<0.5	34	0.51	36	7	89	354	4.88	1	0.22	<10	0.30	403	<2	0.03	11	595	4399	0.16	25	2	59	<5	<0.01	<10	<10	25	<10	739	4
20951	35.9	0.67	>10000	99	<0.5	43	0.22	12	5	113	357	5.74	2	0.19	<10	0.26	107	<2	0.02	10	603	6179	0.21	35	2	15	<5	<0.01	<10	23	26	<10	318	4
20952	63.5	0.56	>10000	57	<0.5	38	0.23	8	5	112	282	4.21	3	0.15	<10	0.19	99	<2	0.02	7	430	9364	0.15	31	1	12	<5	<0.01	<10	15	21	<10	223	3
20953	21.1	0.80	>10000	92	<0.5	33	0.31	9	6	120	344	4.16	1	0.19	<10	0.31	161	<2	0.02	12	473	4829	0.17	26	2	11	<5	<0.01	<10	16	24	<10	261	3
20954	21.8	0.55	>10000	46	<0.5	43	0.20	10	4	133	420	4.89	<1	0.18	<10	0.15	73	<2	0.01	7	427	4207	0.19	29	2	14	<5	<0.01	<10	18	21	<10	221	4
20955	19.4	0.74	>10000	43	<0.5	27	0.68	7	6	108	488	3.95	1	0.17	<10	0.26	162	<2	0.02	10	358	2766	0.48	21	2	11	<5	<0.01	<10	15	22	<10	145	3
20956	73.1	0.62	>10000	46	<0.5	138	0.43	12	3	80	326	4.35	2	0.22	<10	0.21	114	<2	0.02	6	483	9682	0.35	29	2	51	<5	<0.01	<10	19	20	<10	423	4
20957	20.4	1.50	>10000	39	<0.5	26	0.45	22	9	53	450	4.51	1	0.21	<10	0.89	301	<2	0.02	16	557	4254	0.54	15	2	13	<5	<0.01	<10	11	39	<10	486	4
20958	37.5	1.29	>10000	58	<0.5	52	0.58	28	9	68	598	4.72	2	0.22	<10	0.64	285	<2	0.02	14	635	7443	0.31	21	2	51	<5	<0.01	<10	11	35	<10	778	4
20959	27.6	1.48	>10000	55	<0.5	44	0.61	28	7	55	470	4.67	1	0.23	<10	0.81	329	<2	0.03	15	600	4925	0.24	15	2	70	<5	<0.01	<10	11	40	<10	802	4
20960	106.9	0.59	>10000	51	<0.5	168	0.29	35	4	105	851	4.37	4	0.18	<10	0.21	137	<2	0.02	7	398	>10000	0.33	46	1	25	<5	<0.01	<10	15	18	<10	597	4
20961	169.0	0.65	>10000	46	<0.5	283	0.24	36	4	102	1314	6.60	4	0.19	<10	0.27	124	<2	0.02	9	387	>10000	1.40	57	1	41	<5	<0.01	<10	25	23	<10	692	5
20962	87.1	0.32	>10000	45	<0.5	170	0.15	16	3	117	470	5.15	3	0.11	<10	0.13	63	<2	0.01	7	295	>10000	0.39	45	1	17	<5	<0.01	<10	13	16	<10	418	4
20963	>200.0	0.20	>10000	45	<0.5	389	0.11	15	2	112	400	5.03	4	0.09	<10	0.05	24	<2	0.01	4	217	>10000	0.53	61	<1	16	<5	<0.01	<10	17	12	<10	459	3
20964	33.3	0.44	>10000	265	<0.5	70	0.33	5	4	93	144	4.58	2	0.14	<10	0.15	88	<2	0.03	7	528	5370	0.30	22	1	18	<5	<0.01	<10	12	17	<10	225	4
20965	53.8	0.18	>10000	109	<0.5	116	0.14	5	3	92	147	7.23	2	0.12	<10	0.05	18	<2	0.02	4	410	9005	0.28	66	1	25	<5	<0.01	16	24	16	12	201	5
20966	43.5	0.22	>10000	168	<0.5	69	0.20	4	2	103	128	6.01	2	0.11	<10	0.06	28	<2	0.02	5	326	5844	0.21	52	1	21	<5	<0.01	<10	23	16	<10	163	5
20967	30.0	0.36	>10000	132	<0.5	64	0.69	5	3	93	131	5.60	1	0.21	<10	0.09	53	<2	0.03	4	527	3533	0.62	37	1	27	<5	<0.01	<10	22	18	<10	197	5

A .5 gm sample is digested with 5 ml 3:1 HCl/HNO3 at 95ºC for 2 hours and diluted to 25ml.

Signed: _____

Assayers Canada

8282 Sherbrooke St., Vancouver, B.C., V5X 4R6
Tel: (604) 327-3436 Fax: (604) 327-3423

Durfeld Geological Ltd

Attention: Rudi Durfeld

Project:

Sample type:

Report No : 7V2343RJ

Date : Jan-07-08

Multi-Element ICP-AES Analysis

Aqua Regia Digestion

Sample Number	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm	Th ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm	Zr ppm
20968	27.5	0.53	>10000	141	<0.5	60	0.48	8	3	66	136	5.87	1	0.23	<10	0.14	120	<2	0.03	6	464	2734	0.34	29	1	98	<5	<0.01	<10	18	21	<10	365	5
20969	38.9	0.13	>10000	148	<0.5	70	0.16	4	2	88	96	7.05	2	0.20	<10	0.03	<5	<2	0.01	3	504	8312	0.44	64	1	24	<5	<0.01	10	27	20	11	168	5
20970	51.1	0.19	>10000	92	<0.5	88	0.41	5	2	92	139	5.95	2	0.13	<10	0.04	14	<2	0.01	5	547	7362	0.49	42	2	17	<5	<0.01	<10	26	17	<10	163	5
20971	31.7	0.18	>10000	145	<0.5	61	0.64	5	2	102	139	6.67	2	0.13	<10	0.03	15	<2	0.01	4	467	6073	0.62	42	1	17	<5	<0.01	<10	29	17	<10	190	5
20972	65.6	0.12	>10000	167	<0.5	127	0.81	5	2	110	192	6.31	2	0.10	<10	0.02	8	<2	0.01	5	499	5745	0.82	55	1	19	<5	<0.01	<10	29	15	<10	166	5
20973	31.8	0.12	>10000	76	<0.5	51	0.10	4	2	85	161	7.29	2	0.09	<10	0.03	<5	<2	0.01	3	366	6872	0.21	67	1	20	<5	<0.01	<10	28	17	12	194	6
20974	30.6	0.34	>10000	137	<0.5	52	0.17	5	4	87	127	7.66	2	0.13	<10	0.11	40	<2	0.02	6	376	6918	0.25	68	1	21	<5	<0.01	<10	33	20	11	241	6
20975	41.3	0.23	>10000	93	<0.5	67	0.52	5	3	103	137	6.66	1	0.13	<10	0.05	35	<2	0.02	4	368	6522	0.55	66	1	17	<5	<0.01	<10	30	19	<10	217	5
20976	21.6	0.51	>10000	86	<0.5	32	0.19	4	5	93	113	6.33	1	0.19	<10	0.19	66	<2	0.02	8	496	4426	0.39	48	2	19	<5	<0.01	<10	24	25	<10	250	5
20977	32.3	0.53	>10000	90	<0.5	50	0.21	4	4	101	128	6.24	1	0.15	<10	0.20	71	<2	0.02	7	415	6346	0.28	50	2	20	<5	<0.01	<10	22	24	<10	212	5
20978	18.0	0.76	>10000	140	<0.5	37	0.30	4	6	77	119	6.31	1	0.18	<10	0.28	97	<2	0.03	10	487	4136	0.32	45	2	21	<5	<0.01	<10	17	29	<10	285	5
20979	17.8	0.44	>10000	87	<0.5	26	0.30	4	4	93	104	6.27	1	0.22	<10	0.15	53	<2	0.02	6	467	3580	0.48	42	1	23	<5	<0.01	16	20	28	<10	217	5
20980	18.3	0.58	>10000	97	<0.5	33	0.37	5	5	83	110	6.74	1	0.17	<10	0.22	87	<2	0.02	9	496	3524	0.38	40	2	25	<5	<0.01	16	24	27	<10	264	5
20981	28.0	0.36	>10000	92	<0.5	47	0.20	6	4	101	138	6.65	1	0.15	<10	0.13	49	<2	0.02	5	552	5056	0.28	49	1	24	<5	<0.01	10	29	23	<10	273	5
20982	32.9	0.41	>10000	97	<0.5	60	0.21	5	3	86	124	6.81	1	0.15	<10	0.14	61	<2	0.02	7	401	6196	0.27	58	1	23	<5	<0.01	13	23	22	<10	247	5
20983	22.4	0.25	>10000	80	<0.5	44	0.12	4	3	114	126	7.11	1	0.13	<10	0.08	35	<2	0.02	5	289	4642	0.32	57	1	23	<5	<0.01	<10	27	20	11	166	5
20984	21.2	0.32	>10000	65	<0.5	43	0.15	4	3	121	130	6.64	1	0.15	<10	0.08	43	<2	0.02	6	265	4626	0.23	56	1	22	<5	<0.01	<10	18	19	<10	193	5
20985	27.4	0.20	>10000	72	<0.5	47	0.12	4	2	106	131	6.53	1	0.18	<10	0.04	15	<2	0.02	3	230	5454	0.30	70	1	22	<5	<0.01	<10	25	16	<10	186	5
20986	27.2	0.34	>10000	94	<0.5	53	0.15	5	4	98	140	6.68	2	0.14	<10	0.12	58	<2	0.02	6	337	6320	0.27	61	1	18	<5	<0.01	<10	29	20	<10	229	5
20987	25.0	0.17	>10000	68	<0.5	42	0.09	4	2	110	109	5.16	1	0.13	<10	0.03	30	<2	0.01	6	192	4206	0.19	52	1	14	<5	<0.01	<10	20	12	<10	159	4
20988	41.1	0.38	>10000	103	<0.5	68	0.19	5	4	112	131	7.14	1	0.11	<10	0.13	70	<2	0.02	7	321	7652	0.28	71	1	19	<5	<0.01	<10	29	21	10	209	6
20989	25.3	0.35	>10000	84	<0.5	53	0.14	5	4	110	129	6.66	1	0.13	<10	0.15	73	<2	0.02	8	274	5406	0.25	61	1	17	<5	<0.01	<10	27	21	<10	206	5
20990	21.0	0.63	>10000	110	<0.5	47	0.28	6	4	95	114	6.51	1	0.21	<10	0.21	122	<2	0.02	7	512	3523	0.27	44	2	17	<5	<0.01	<10	23	25	<10	259	5
20991	21.0	0.19	>10000	58	<0.5	40	0.09	4	3	125	100	6.20	1	0.12	<10	0.05	36	<2	0.01	7	265	3989	0.22	61	1	17	<5	<0.01	<10	25	15	<10	161	5
20992	30.9	0.33	>10000	68	<0.5	50	0.13	5	3	106	141	5.74	1	0.15	<10	0.09	42	<2	0.02	5	296	5700	0.25	49	1	16	<5	<0.01	<10	24	17	<10	180	5
20993	21.0	0.41	>10000	78	<0.5	39	0.13	4	4	121	95	5.23	1	0.13	<10	0.16	78	<2	0.02	9	263	3839	0.20	42	1	14	<5	<0.01	<10	19	18	<10	193	4
20994	24.2	0.35	>10000	136	<0.5	44	0.19	5	4	86	134	7.43	1	0.19	<10	0.11	58	<2	0.02	5	397	4784	0.34	70	1	21	<5	<0.01	<10	33	21	10	216	6
20995	16.5	0.64	>10000	116	<0.5	32	0.26	4	5	81	106	4.94	1	0.18	<10	0.23	106	<2	0.03	8	452	3182	0.27	28	2	13	<5	<0.01	<10	16	25	<10	257	4
20996	17.0	0.58	>10000	125	<0.5	32	0.23	4	5	87	95	6.03	1	0.15	<10	0.23	99	<2	0.03	7	433	3373	0.29	38	1	17	<5	<0.01	<10	23	24	<10	252	5
20997	24.3	0.43	>10000	111	<0.5	50	0.20	5	4	100	112	6.08	1	0.14	<10	0.15	78	<2	0.02	8	323	4432	0.24	55	1	16	<5	<0.01	<10	24	19	<10	209	5

A .5 gm sample is digested with 5 ml 3:1 HCl/HNO3 at 95ºC for 2 hours and diluted to 25ml.

Signed: _____

Assayers Canada

8282 Sherbrooke St., Vancouver, B.C., V5X 4R6
Tel: (604) 327-3436 Fax: (604) 327-3423

Durfeld Geological Ltd

Attention: Rudi Durfeld

Project:

Sample type:

Report No : 7V2343RJ

Date : Jan-07-08

Multi-Element ICP-AES Analysis

Aqua Regia Digestion

Sample Number	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm	Th ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm	Zr ppm
20998	16.1	0.68	>10000	110	<0.5	31	0.39	5	6	101	95	5.22	1	0.15	<10	0.28	140	<2	0.02	10	455	3602	0.37	35	2	14	<5	<0.01	<10	16	24	<10	265	4
20999	26.7	0.16	>10000	71	<0.5	53	0.07	4	2	106	113	5.85	1	0.10	<10	0.03	21	<2	0.01	5	202	4611	0.20	62	1	14	<5	<0.01	<10	20	12	<10	136	4
21000	27.6	0.21	>10000	47	<0.5	50	0.09	3	2	103	132	4.87	1	0.14	<10	0.03	16	<2	0.01	3	259	5083	0.17	53	1	12	<5	<0.01	<10	17	12	<10	119	4

A .5 gm sample is digested with 5 ml 3:1 HCl/HNO3 at 95ºC for 2 hours and diluted to 25ml.

Signed: _____

Assayers Canada Services Explained

Sample Preparation

Sample preparation procedures are normally fairly straightforward, and can be summarized as:

- **If a sample is wet, it will normally need to be dried**
- **Large samples must be split, often several times, to provide a portion small enough to be handled by the analytical equipment. The size of the final sample is a function of the element being analysed and the analytical method being employed.**
- **The size of particles within the sample must be reduced so that the elements of interest can be properly liberated from the rest of the rock.**

Sample Drying

At Assayers Canada, samples of rock, stream sediments and soils are all dried in an oven at about 60 degrees Celsius. It is possible to dry the samples more quickly (i.e. at a higher temperature), but certain volatile elements (notably Hg) can be lost at higher temperatures.

Sample Size and Particle Size Reduction

The optimum mix of crushing, pulverising and splitting samples to achieve a sample that is small enough and fine grained enough to be analysed, while still giving a fair representation of the element concentrations in the original sample, is a topic about which textbooks have been written, and is a much discussed problem. While the theory and mathematics of the discussion is too complex to be included in this web site, it is advisable that all geologists at least have a cursory understanding of the issues involved here, particularly if the project in question includes very coarse grained ore minerals.

In general, the coarser and less homogenous the distribution of the ore minerals, the finer a specimen should be crushed (or pulverised) before a portion of it is split off for analysis or further sample preparation. Ideally, the entire sample (say 10kg of drill core) would be pulverised to -150 mesh before splitting off a portion for analysis. The trouble with this is that it takes a long time to pulverise a large sample, and hence this would be a very costly solution to the problem.

At Assayers Canada, soil and stream sediment samples (where elements of interest are found in the fine fraction) are passed through an -80 mesh sieve, and the fine fraction is then split (if necessary) and pulverised.

Rock and drill core samples, on the other hand, are first crushed with a jaw crusher and the put through a secondary crusher so that it is 60% less than 10 mesh in size. The sample is then mixed, and a 250-gram sub sample split is taken. The sub sample is then pulverised in a ring pulverizer until 90% of the sample is less than 150 mesh, at which time it is ready for analysis.

Note that coarse gold does not pulverise well, but rather tends to become smeared along the plates of the pulverizer. If a sample is known to contain coarse gold, therefore, it should be sieved after it is pulverised to remove the coarse gold particles. The entire coarse fraction is then analysed, as is a split of the fine fraction. The two assays are then combined to give the total gold content of the original sample.

Assayers Canada Services Explained

Gold and Precious Metal Analysis by Fire Assay

Fire Assaying, a technique that has been around for centuries, is still the most generally accepted method of analysis for gold, and platinum group elements.

Though a number of variations are available (depending on the size of sample assayed and the method of final reading of the metal concentration), the basic technique in Fire Assaying for gold involves adding flux (which includes lead) and silver to the pulverised sample and fusing (melting) it. The extra silver acts as a collector of the gold, and, in very low-grade samples, ensures that at the end of the fusing there is enough precious metal to be easily handled.

At the end of the fusion process, the resultant molten material is poured into a metal mould and allowed to cool into a lead button (which contains the precious metals) at the bottom, overlain by silica glass slag. The slag is chipped off and discarded, and the lead button is subjected to a second process called cupellation, in which the precious metals are separated from the lead.

In cupellation the lead button (containing the gold) is placed into a small porous crucible called a cupel, and heated. The lead then becomes oxidised and is absorbed into the cupel, leaving a small silver/gold bead remaining in the cupel.

It now remains only to separate the silver from the gold. To do this, the bead is placed in a test tube and nitric acid is added, which, when the test tube is put in a hot water bath, dissolves the silver, leaving a small particle of pure gold.

If the particle of gold is large enough, it is usually weighed to determine the original grade of the sample. This is called a gravimetric finish to the fire assay. For lower grade samples with very small and difficult to handle gold particles the gold is dissolved in hydrochloric acid and the gold concentration is measured using AAS.

While Fire Assaying is normally done on a 1 Assay Tonne (roughly 30 gram) split of the pulverised material, a slight cost saving is to be found in selecting a smaller (15-gram) sample size. On the other hand, high-grade samples, for which there must be a gravimetric finish, are slightly more expensive than those that are read on the AAS.

In the analysis of platinum group elements, roughly the same procedure is followed, but the final element readings are normally done using ICP.

Assayers Canada Services Explained

Other Options for Gold Analysis

1. Cyanide Leaching

This method is often used for very sensitive analysis of bulk stream sediments or soils.

The entire sample is put into a cyanide solution and agitated for up to 24 hours, and the free gold in the sample is thus dissolved. The solution is then read on an AAS to determine the gold concentration of the original sample.

This method has the advantage of being able to detect small amounts of gold in large samples, and no additional sample preparation errors are introduced, since the entire sample is leached.

The disadvantage is mainly that the gold must be leachable by cyanide. Thus, it would not be effective in a situation where the gold is tied up in a pyrite matrix, as is the case in refractory ores. For this reason, it is normally recommended only for alluvial or well-oxidized samples.

2. Aqua Regia MIBK

This method is sometimes favoured over fire assay because there is a slight cost saving.

After normal sample preparation, a 10-gram split of the sample is dissolved in Aqua Regia. The gold is liberated from the other constituents of the solution with the addition of Methyl-isobutylketone (MIBK) and then read on the AAS.

While being a little bit less expensive than Fire Assaying, this method is not really recommended for gold analysis, because it is not effective in detecting refractory gold, and MIBK is a highly toxic chemical which raises difficult and largely unnecessary safety and environmental issues.

Assayers Canada Services Explained

Trace Level Geochemistry

There are three basic options available for analysing exploration samples for geochemical levels of most elements normally of interest to the exploration geologist. Geochemical samples (i.e. those not *normally* expected to have ore grade concentrations of critical elements) can be analysed either individually by a variety of traditional wet chemical techniques, or by multi-element ICP, or by Neutron Activation Analysis.

1. Traditional Wet Geochemistry

A wide variety of techniques are employed in traditional geochemical analysis, depending on the element being analysed.

Traditional geochemical analysis basically involves getting a sample into solution, and then using an appropriate method to read the element concentration in the solution. The sample is put into solution by dissolution with mineral acids. Depending on the element being analysed a fusion process may precede this. The type of acid used in the dissolving process is again dependent on the element being assayed. The solutions are then read by AAS, ICP or occasionally some other method.

2. ICP-AES Multi-Element Analysis

The sample is put into a test tube and treated with either Aqua Regia or a cocktail consisting of nitric-perchloric-hydrofluoric-hydrochloric acids, depending on the elements and the detection limits desired.

The beauty of ICP-AES multi-element analysis is the wide range of elements that can be read simultaneously. It is important, however, to be aware of the limitations of the method, the most serious being the fact that, depending on the sample mineralogy, not all elements that are analysed by ICP will invariably dissolve in the Aqua Regia or multi-acid digests. Thus, there is a chance that ICP will underestimate the concentrations of these elements. Another serious limitation to ICP is the fact that there can be interference between different elements. That is, the wavelength of one element's light emission will be close enough to that of another element to cause problems in reading the elements. This is particularly true if one of the elements has a very high concentration.

For the above reasons, ICP is not recommended for analyses that will be used in ore reserve calculations.

3. Instrumental Neutron Activation Analysis (INAA)

INAA has the very real advantage of not requiring the sample to be in solution (thus removing one step in the process, and eliminating any errors associated with that step), and of being able to measure many different elements, including gold, simultaneously.

One disadvantage of INAA is that many elements of interest (including copper and lead) cannot be analysed by the technique. Another disadvantage is the fact that this method requires a nuclear reactor, and there are few of these readily available in Canada.

The sample is prepared as normal and put into vials, which are then put into the reactor. Detection limits can be improved by using larger samples. This method is particularly good for analysis of panned concentrate samples, as it gives gold plus up to 34 different elements from one sample. Using a traditional fire assay (where, for panned concentrates, the entire sample is usually analysed), you can get only the concentration of gold in the sample.

Since Assayers Canada does not have direct access to a nuclear reactor, requests for INAA analysis are contracted out.

COMPARISON OF DIFFERENT TRACE ELEMENT ANALYSIS METHODS

Element	**Geochem**	**ICP AR**	**ICP MAD**	**INAA**
	(Range)	(Range)	(Range)	(DL)
Antimony	0.2-1000	5-10000	---	0.2
Aluminum	---	0.01-15%*	0.01-15%*	---
Arsenic	1-10000	5-10000	---	2
Barium	5-10000	10-10000*	10-10000*	100
Beryllium	2-1000	5-100*	0.5-100	---
Bismuth	0.1-1000	5-10000	5-10000	---
Boron	1-10000	---	---	---
Bromine	---	---	---	1
Calcium	---	0.01-15%*	0.01-15%	1%
Cadmium	0.1-200	1-100	1-100	---
Cerium	---	---	---	3
Cesium	---	---	---	2
Chlorine	---	---	---	100
Chromium	1-10000	1-10000*	1-10000	10
Cobalt	1-10000	1-10000	1-10000	5
Copper	1-10000	1-10000	1-10000	---
Copper Oxide	1-10000	---	---	---
Europium	---	---	---	0.2
Fluorine	10-10000	---	---	---
Gallium	5-10000 (ICP)	---	---	---
Germanium	5-1000 (ICP)	---	---	---
Gold	---	---	---	5 ppb
Hafnium	---	---	---	1
Iridium	---	---	---	5 ppb
Iron	10-10000	0.01-15%*	0.01-15%	0.02%

Lanthanum	---	---	---	1
Lead	1-10000	2-10000	2-10000	---
Lutetium	---	---	---	0.05
Magnesium	---	0.01-15%*	0.01-15%*	---
Manganese	5-10000	5-10000*	5-10000*	---
Mercury	5-50000 ppb	---	---	1
Molybdenum	1-1000	2-10000	2-10000	5
Neodymium	---	---	---	5
Nickel	1-10000	1-10000	1-10000	50
Niobium	10-10000 (ICP)	---	---	---
Phosphorous	10-10000 (ICP)	10-10000*	10-10000	---
Potassium	---	0.01-10%*	0.01-10%	---
Rubidium	---	---	---	30
Samarium	---	---	---	0.1
Scandium	---	1-10000	---	0.1
Selenium	1-100	---	---	5
Silver	0.1-200	0.2-200	0.2-200	5
Sodium	---	0.01-5%*	0.01-5%	0.05%
Strontium	1-10000 (ICP)	1-10000*	1-10000	0.05%
Tantalum	---	---	---	1
Tellurium	2-100	---	---	---
Terbium	---	---	---	0.5
Thallium	5-10000 ppb	---	---	---
Thorium	2-10000 (ICP)	---	---	0.5
Tin	2-1000	10-1000*	---	0.01%
Titanium	---	0.01-10*	0.01-10%	---
Tungsten	5-1000	10-10000*	10-10000	4
Uranium	---	---	---	0.5
Vanadium	5-10000	1-10000	1-10000	---
Ytterbium	---	---	---	0.2
Yttrium	---	1-10000	---	---
Zinc	1-10000	1-10000	1-10000	50
Zirconium	---	1-10000*	---	---

* Elements thus marked may not dissolve completely, or may experience some losses

Assayers Canada Services Explained

Ore Grade Analysis

The above techniques, subject to the limitations mentioned, give reasonably reliable analytical results in the detection ranges indicated. For higher grade samples, and in situations where additional confidence is required in the results (to be reported to the stock exchange, for example) traditional wet chemical techniques are recommended.

For trace level geochemical analyses, the recipe of getting the samples into solution which can be read by the instruments is standard, and does not make allowances for variations in the rock matrix or for the concentration of the element being analysed. As such, if the minerals present in the sample are not those usually encountered not all of it may dissolve, and the analysis may then be on the low side for certain elements. High grade samples, when put into solution using a standard trace level recipe, may result in solutions which have greater concentrations of the elements of interest than the instrument can reliably read. In this case, they would be reported simply as "greater than the maximum value for the technique".

Depending on which elements are being analysed, the methods for ore grade analysis may not differ greatly from those for trace elements. If an ore grade analysis is requested, however, the sample is dissolved using solvents that more vigorously attack it, (thus ensuring that all of that element is in solution) and the solution is then diluted so that concentration of the element is within the range of the instrument on which it will be read.

This attention to detail results in the higher cost of the ore grade analysis.

559000 560000 561000 562000 563000 564000 565000 566000 567000 568000 569000 570000 571000

5660000 5659000 5658000 5657000 5656000 5655000 5664000 5663000 5662000 5661000

N

19 Samples
0.4 - 1.5 g/T Au

2.3 g/T Au over 2.9 m
1.9 g/T Au over 6.3 m

Up to 10.9 g/T Au
over 1 m

DDH 98-06
4.2 g/T Au
over 1 m

Zone V Historical Estimate
282,838 T @8.1 g/T Au
73,813 oz. Au
117.9g/T over 2 m

Madsen Creek
8 Samples
0.5 - 16 g/T Au

35 Samples
0.4 - 6.2 g/T Au*

6 Samples
0.2 - 2.2 g/T Au

POINT
ADIT
WATERMELON

M-85-12 M-85-11 M-85-04 M-85-07 M-85-06 M-85-05 M-85-03 M-85-09 M86-2
M97-07 M97-05 M97-06 M97-04 M97-03
98-06 98-05 98-01 98-11 98-12 97-01 98-10 98-03 98-04 98-07 98-08 98-09 91-09 91-05 91-04 91-06 91-07 91-10 89-10 89-09 89-07

I II III IV V VI VII VIII IX X XI XII XIII XIV

LEGEND

Geology
- U Cretaceous Granodiorite
- Feldspar/Quartz Porphyry
- Mid Cretaceous Volcanic Flows
- Low Cretaceous Conglomerate
- Argillite
- Sandstone, Siltstone

Alteration / Mineralization
- Illite/Montmorillonite Clay Alteration

Mineralization Zones
- Points

Diamond Drill Header
- Points

FAULTS
- Lines

Claims Boundary
- Lines

Creeks
- Lines

GRID
- Lines

Roads
- Lines

Contours
- Lines

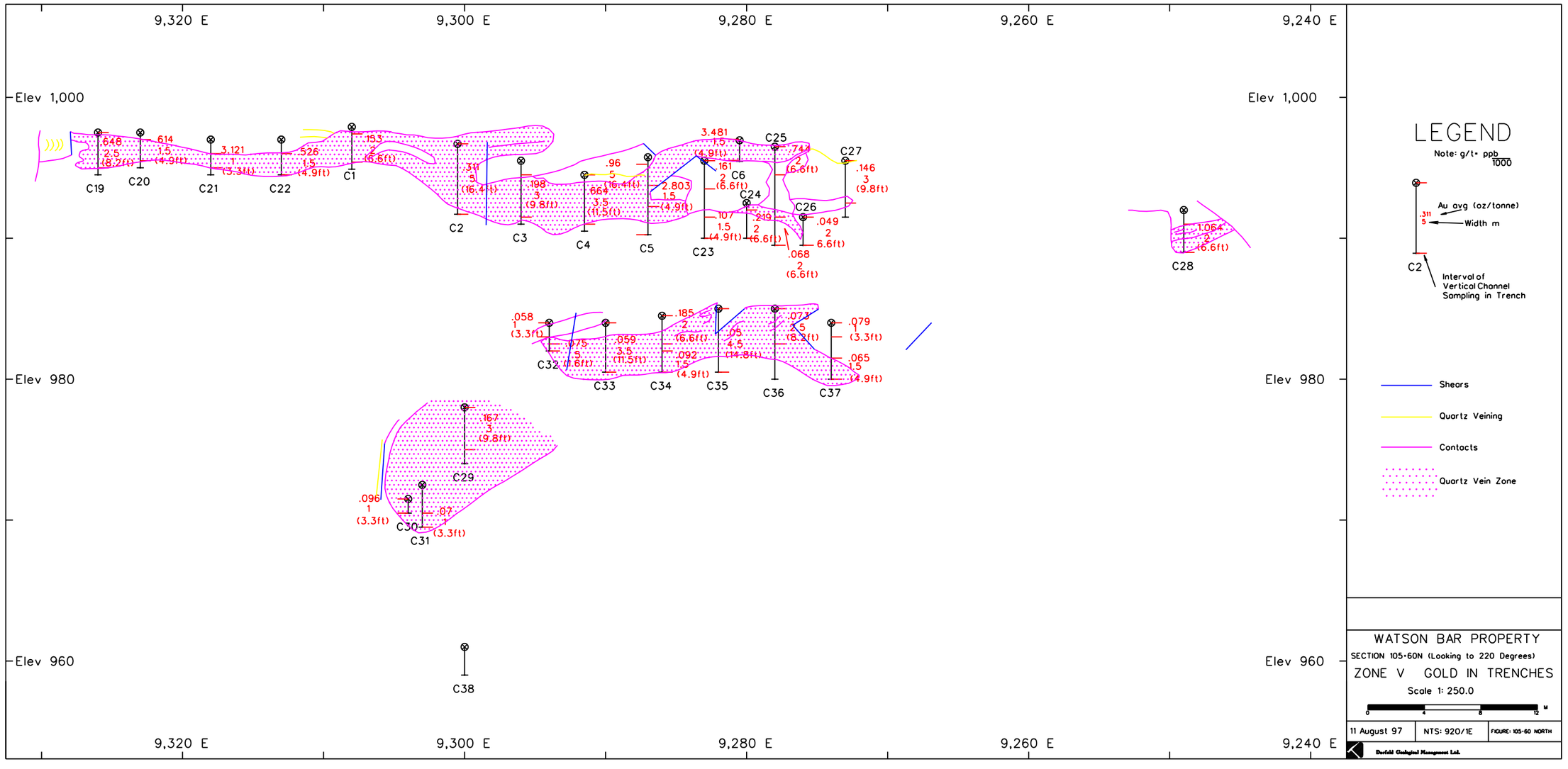
Scale
0 100 200 300 400 M

DURFELD GEOLOGICAL MANAGEMENT

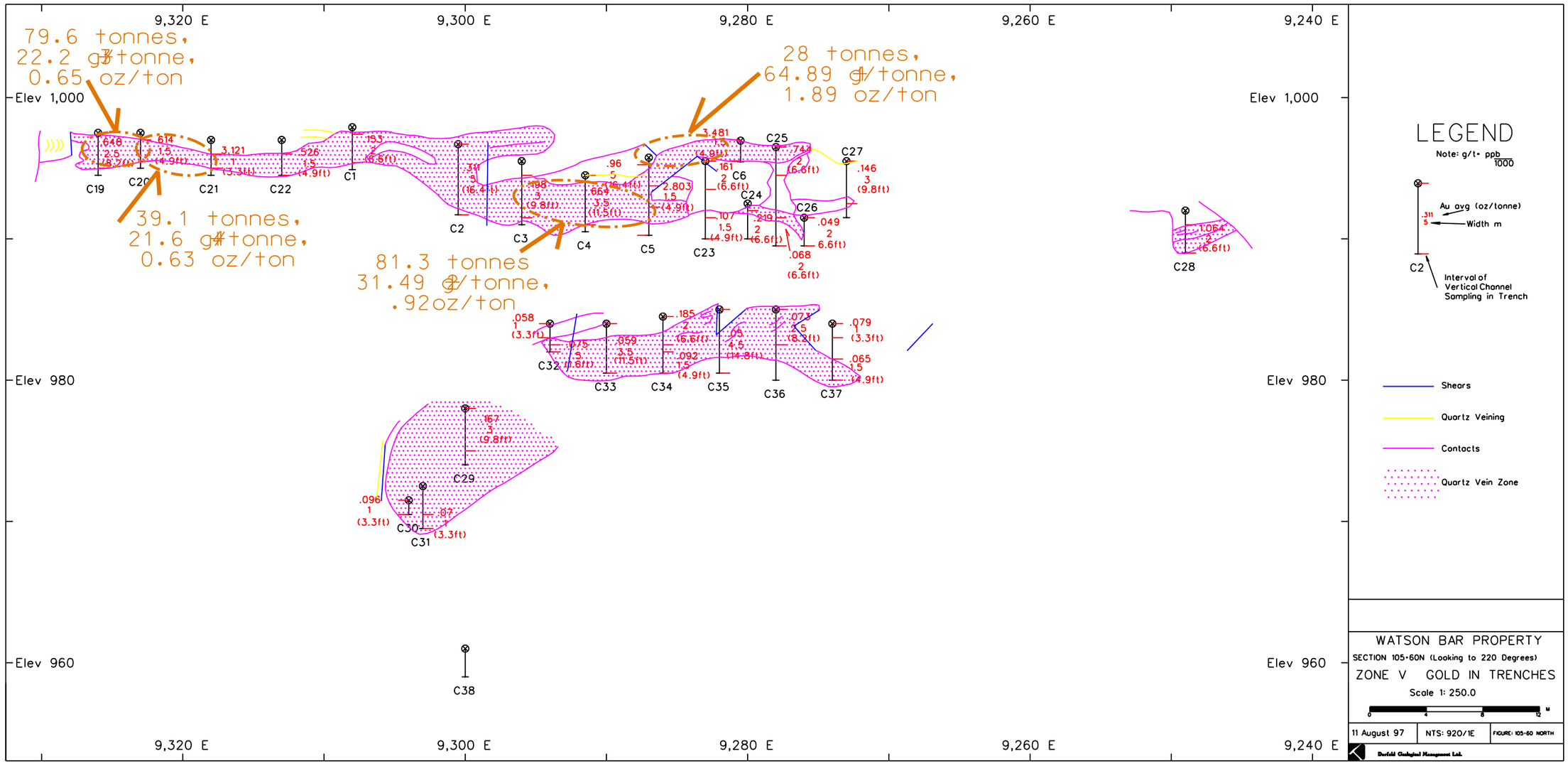
Watson Bar Project

GEOLOGY

February 27, 2007	NTS: 92 I, O	Figure:
Tech Work: DURFELD GEOLOGICAL MANAGEMENT		



...\2007\Mining\Results\10560.dgn 12/17/2008 8:49:14 AM



...\2007\Mining\Results\10560.dgn 12/17/2008 8:48:02 AM