

Gold Commissioner's Office 2004 EXPLORATION SUMMARY REPORT on the WATSON BAR GOLD PROJECT

Clinton Mining Division, British Columbia

Latitude 51° 03' North Longitude 122° 03' West

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. October 2004

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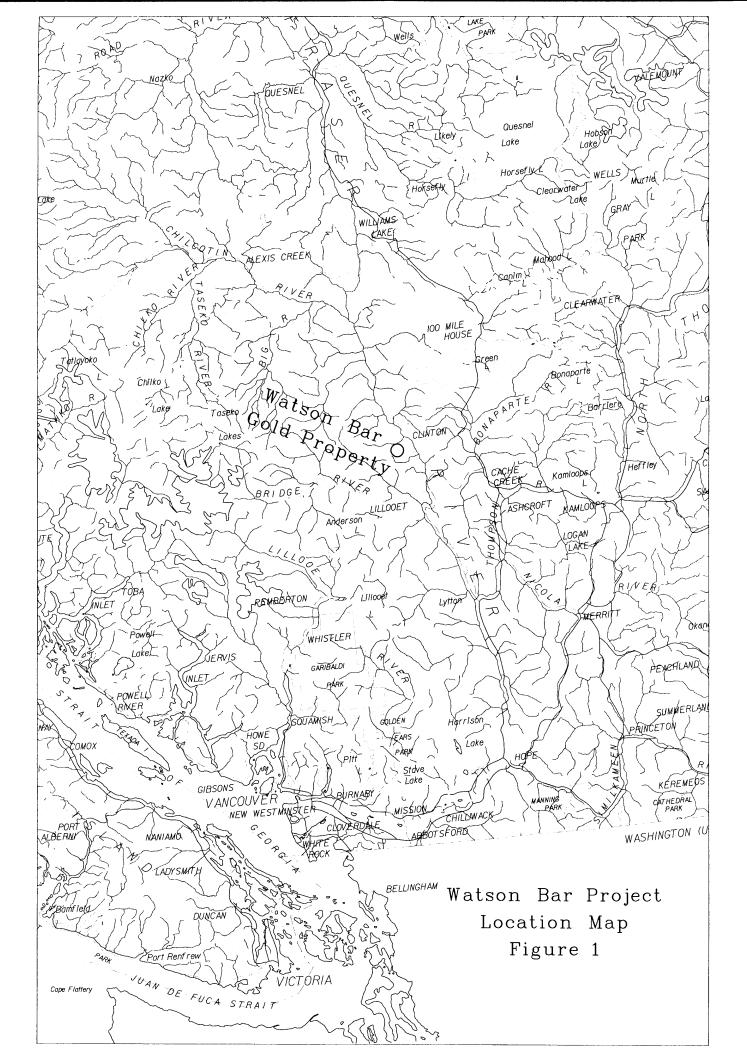
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1. Introduction

Since the discovery in 1988 of significant gold mineralization in Zone V, considerable exploration including 9,877 metres of diamond drilling, 7,000 metres of trenching and surface mapping has been completed on the Watson Bar property. Most of the work, particularly from 1992 to the present has focussed on three zones; Zone V, Zone I and Zone IV. This work is documented and compiled in previous reports at a property scale.

1.1 Location, Access and Physiography

The Watson Bar property covers some 2575 hectares (6360 acres) in the Clinton Mining Division. The property is 33 kilometres due west of Clinton and 7 kilometres west of the Fraser River (Figure 1). The property lies south of Watson Bar Creek and is centred on Second Creek at 51° 3' north latitude and 122° 3' west longitude. (NTS Map 92 0/01E)

The claims are readily accessible from the village of Lillooet via the all-weather West Pavilion / Slok Creek logging road which at 70 kilometres bisects the property. The West Pavilion and Second Creek logging roads in conjunction with secondary cat trails provide good access to much of the property.

The property is bisected by the broad and steep Watson Bar Creek Valley and the immature and narrow "V" shaped valleys of Second Creek and its tributaries. The elevation ranges from 400 metres in Watson Bar Creek to 1,600 metres at the summits in the south. 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.

1.2 Ownership

The Watson Bar Property is comprised of 4 contiguous modified grid and 46 2-post mineral claims totalling 103 units, covering some 2,575 hectares (6360 acres). The status of these claims is summarized Table 1 and plotted as Figure 2. The year of expiry reflects work that was applied for assessment credit on August 4, 2004 and is documented in this report. The claims are recorded in the name of R.M. Durfeld and S.G. Lehman.

Tenure Number	Claim Name	Owner FMC	Work Recorded To	Claim Units
208239	SECOND 2	107306	2007.09.19	12
208244	SECOND 4	107306	2006.10.16	12
208290	SECOND 5	107306	2006.06.29	18
208304	ULCER	107306	2006.08.12	15

Tenure Number	Claim Name	Owner FMC	Work Recorded To	Claim Units
396904	WB 1	107306	2005.09.19	1
396905	WB 2	107306	2005.09.19	1
396906	WB 3	107306	2005.09.19	1
396907	WB 4	107306	2005.09.19	1
396908	WB 5	107306	2005.09.19	1
396909	WB 6	107306	2005.09.19	1
396910	WB7	107306	2005.09.19	1
396911	WB 8	107306	2005.09.19	1
396969	WB 9	132533	2005.09.19	1
396970	WB 10	132533	2005.09.19	1
396971	WB 11	132533	2005.09.19	1
396972	WB 12	132533	2005.09.19	1
396973	WB 13	132533	2005.09.19	1
396974	WB 14	132533	2005.09.19	1
396975	WB 15	132533	2005.09.19	1
396976	WB 16	132533	2005.09.19	1
396977	WB 17	132533	2005.09.19	1
396978	WB 18	132533	2005.09.19	1
404420	WB 19	107306	2005.08.13	1
404421	WB 20	107306	2005.08.13	1
404422	WB 21	107306	2005.08.13	1
404423	WB 22	107306	2005.08.13	1
404424	WB 23	107306	2005.08.13	1
404425	WB 24	107306	2005.08.13	1
404426	WB 25	107306	2005.08.13	1
404427	WB 26	107306	2005.08.13	1
404428	WB 27	107306	2005.08.13	1
404429	WB 28	107306	2005.08.13	1
404430	WB 29	107306	2005.08.13	1
404431	WB 30	107306	2005.08.13	1
404432	WB 31	107306	2005.08.13	1
404433	WB 32	107306	2005.08.13	1
404434	WB 33	107306	2005.08.13	1
404435	WB 34	107306	2005.08.13	1
408990	TC 1	132533	2006.03.12	1
408991	TC 2	132533	2006.03.12	1
408992	TC 3	132533	2006.03.12	1
408993	TC 4	132533	2006.03.12	1
408994	TC 5	132533	2006.03.12	1
408995	TC 6	132533	2006.03.12	1

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Tenure Number	Claim Name	Owner FMC	Work Recorded To	Claim Units
408996	TC 7	132533	2006.03.12	1
408997	TC 8	132533	2006.03.12	1
408998	TC 9	132533	2006.03.12	1
408999	TC 10	132533	2006.03.12	1
409000	TC 11	132533	2006.03.12	1
409001	TC 12	132533	2006.03.12	1
			Total Units	103

1.3 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 in the recently acquired Madsen Creek area date from this period.

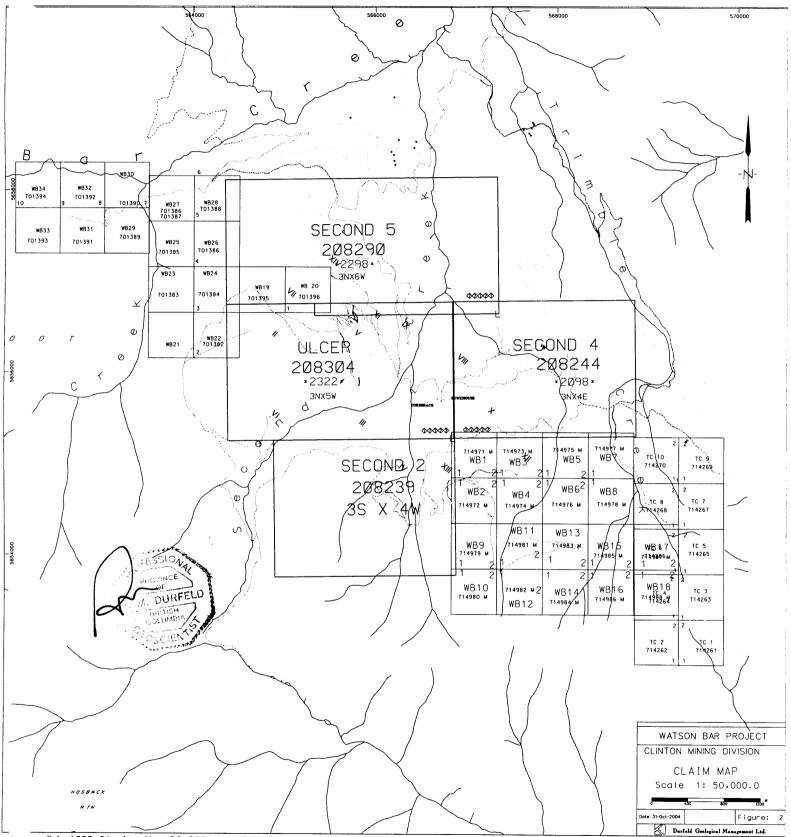
Modern exploration of the property began in 1980 when E and B Exploration staked much of what is now the Watson Bar Property as the Carolyn 1 to 8 mineral claims to acquire several large alteration zones hosted by Jackass Mountain Group sedimentary rocks. E and B Exploration prospected the property and 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.

Since 1999 the owner has conducted compilation of previous data in conjunction with focussed, smaller exploration programs.

1.4 2004 Exploration Program

The 2004 program focussed on the recently acquired Madsen Creek area, Zone V, Zone XIII and Trimble Creek areas.



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Madsen Creek

The location of the adit and previous drill holes were located by transit and GPS. Three soil samples were collected in conjunction with geology and prospecting traverses. The location surveys will be used in compilation of the previous data.

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Zone V

Zone V covers the shallow dipping gold mineralized quartz vein zone. A CAT 215 excavator was hired to expose the hangingwall to the vein zone at the western end of the trench. At the same time the access road was relocated, away from the trench, to its original location. A new quartz vein showing was exposed in the road cut and sampled.

Zone XIII

Previously this area showed anomalous gold and arsenic in both rock and soil. A series of soil and two rock samples were collected.

Trimble Creek

This area of Trimble Creek is strongly anomalous in previous silt surveys. A series of sites were concentrated with a sluice to identify a local source. Rock samples of float and outcrop were also collected for analysis.

► 2. Geology

2.1 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.

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.

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2.2 Property Geology

The Watson Bar Property was previously mapped by McClintock and Durfeld (1988), Durfeld and Jackson (1990) and Read (1998). The property geology is taken from previous reports and presented with the 2004 work as the Geology Plan (Figure 4).

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 northwest 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 location 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.

2.3 Alteration and Mineralization

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.

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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 by Anne Thompson and Audrey Robetaille 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 and indication of temperatures of the hydrothermal solutions responsible for the alteration. The detailed PIMA are given in the report by Thompson and Robetaille that is attached as Appendix I. The results show 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.

► 3. Geochemistry

A total of 18 soil, 14 rock, 2 silt and 3 sluice concentrate samples were collected as part of the 2004 program. The sample descriptions are compiled with the results, area and detailed location as Appendix I. (2004 Sample Summaries). Appendix 2 contains the 2004 Geochemical and Assay Results and Detailed Description of Geochemical Procedures.

4. Discussion

Madsen Creek

The limited soil sampling returned background results. This can in part be explained by masking from recent ash and glacial deposits.

The location of the surveyed adit and drill hole locate the mineralized vein zone. These results will be incorporated in the compilation.

Zone V

The hangingwall to the vein zone was excavated for ? metres downdip. Sample 3052 shows 3.4 oz/t gold over 2 metres at the face. Sample 3051contains 0.38 oz/t gold in the hangingwall of the vein zone 8 metres downdip. Sample 3053 carrying 0.42 oz/t gold is of a 1 metre vein that is 47

metres north - northwest of the most westerly previously known vein occurrence, expanding the potential strike length of the vein zone by that distance.

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Zone X111

The soil and rock sampling in this area reproduces a strong arsenic anomaly. The anomalous rock sample, 3065, was a quartz carbonate altered sandstone.

Trimble Creek

Previous silt surveys have shown Upper Trimble Creek to be anomalous in gold. The 2004 sampling collected silt, sluice concentrate, soil and rock samples. The fine silt sample 3066 and sluice concentrate 3067 (890 ppb gold) confirmed the silt anomaly. The soil sampling showed background values. Rock rubble of Quartz Porphyry with fine disseminated sulphide contained 350 ppb gold, is the first rock sample anomalous in gold. Prospecting and sampling should continue in this area in search of a mineralized source.

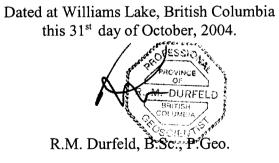
► 5. Project Cost Summary

Excavator Trenching CAT 215	Watson Bar Ranch Ltd	18 hours @ \$120	\$ 2,160.00
Geologist and Manager	RM (Rudi) Durfeld, B.Sc. P.Geo (Jun 29 th -Jul 1 st , Jul 9 th - 14 th)	9 days @ \$500	\$ 4,500.00
Field Assistant	Jessica ZLICZ	4 days @ \$100	\$ 400.00
	Michael McCLINTOCK	6 days @ \$110	\$ 660.00
	Lucas DURFELD	8 days @ \$120	\$ 960.00
Room and Board		28 days @ \$60	\$ 1,680.00
Truck Rental		9 days @ \$70	\$ 630.00
Truck Fuel			\$ 300.00
Assaying			\$ 344.62
Report Preparation and Drafting			\$ 1,500.00

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Total Cost of Project

\$ 13,134.62



• 6. Statement of Qualifications

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

1.) I am a geologist with offices at 2029 South Lakeside Drive, Williams Lake, BC.

2.) I am a graduate of the University of British Columbia, B.Sc. Geology 1972, and have practised my profession with various mining and/or exploration companies and as an independent geological consultant since graduation.

3.) I am a member of the Canadian Institute of Mining and Metallurgy.

4.) That I am registered as a Professional Geoscientist by the Association of Engineers and Geoscientists of B.C. (No. 18241).

5.) That this report is based on:

a.) my supervision, direct observations and compilation of the results of the 2004 exploration program on the Watson Bar property during the period June 30th to July 31st, 2004.

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b.) my personal knowledge of the property area and a review of available government maps and assessment reports.

Dated at Williams Lake, British Columbia



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

► 7. Bibliography

Cathro, M.S., Durfeld, R.M. and Ray, G.E. (1997): Epithermal Mineralization on the Watson Bar Property (920/01E), Clinton Mining Division B.C.; B.C. Ministry of Energy, Mines and Petroleum Resources, Geological Fieldwork 1997, Paper 1998-1.

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- Duffell, S. and McTaggart, K.C. (1952): Ashcroft Map Area, BritishColumbia; *Geological Survey of Canada*, Memoir 262, 122 pages.
- Durfeld, R.M. (1990): Report on Diamond Drilling, Watson Bar Project; B.C. Ministry of Energy, Mines and Petroleum Resources, Assessment Report 19777.
- Durfeld, R.M. (1992): Report on Trenching and Diamond Drilling, Watson Bar Property; B.C. Ministry of Energy, Mines and Petroleum Resources, Assessment Report 22497.
- Durfeld, R.M. (1996): Drilling and Trenching Report on the Watson Bar Mineral Project; B.C. Ministry of Energy, Mines and Petroleum Resources, Assessment Report 24676.
- Durfeld, R.M. and Jackson, A.W. (1990): Report on Geology, Geochemistry, Trenching Induced Polarization and Diamond Drilling, Watson Bar Project; *Unpublished Internal Report for Cyprus Gold (Canada) Ltd.*
- Durfeld, R.M. and McClintock, J.A. (1987): Geological and Geochemical Report on the Second Claim Group; B.C. Ministry of Energy, Mines and Petroleum Resources, Assessment Report 16879.
- Hickson, C.J., Mahoney, J.B. and Read, P.B. (1994); Geology of the Big Bar Map Area B.C.; in Current Research 1994A, *Geological Survey of Canada*, pages 143-150.
- Livingstone, K.W. (1982): Geological and Geochemical Report, Watson Bar Project; B.C. Ministry of Energy, Mines and Petroleum Resources, Assessment Report 10381.
- McClintock, J.A. and Durfeld, R.M. (1988): Geological and Geochemical Report on the Second Claim Group; B.C. Ministry of Energy, Mines and Petroleum Resources, Assessment Report 17473.
- Price B.J., Livingstone, K.W. and Howell, W.A. (1981): Watson Bar Geological and Geochemical Report; *B.C. Ministry of Energy, Mines and Petroleum Resources*, Assessment Report 9462.
- Read P.B. (1997): Unpublished Geological Map of the Watson Bar Property.
- Trettin, H.P. (1961): Geology of the Fraser River between Lillooet and Big Bar Creek; B.C. Ministry of Energy, Mines and Petroleum Resources, Bulletin 44, 109 pages.
- Tipper, H.W. (1978): Taseko Lakes (92O) Map-Area; Geological Survey of Canada, Open File 534.
- Warren, H.V. (1982): The Significance of a Discovery of Gold Crystals in Overburden; in Precious Metals in the Northern Cordillera; Levinson A.A. editor, *The Association of Exploration Geochemists*, pages 45-51.
- Warren, H.V. and Hajek, J.H. (1973): An Attempt to Discover a "Carlin-Cortez" Type of Gold Deposit in B.C., *Western Miner*, Number 46, pages 124-134.

Appendix I - 2004 Sample Summaries

			Loca	l Grid	UTM (N	lad 83)	Elevation	
Sample	Sample		A · I A		F the			
Number	Туре	Area	Grid east	Grid north	Easting	Northing		Location / Comment
			10000	10000	565.9	5655.7		· · · · · · · · · · · · · · · · · · ·
			16000	12000	571804.9	5653395.7		
20004	D = -!-	MADSEN			507070 0	5054004.0		fresh sandstone
3064	Rock	Madsen			567076.0	5654604.0		
3065	Rock	Madsen			567105.0	5654641.0		quartz carbonate altered sandstone
	Adit	Madsen			562847.0	5658159.9		
	Drill Hole	Madsen			562908.4	5658003.4		
38292	Soil	Madsen			561851.9	5657540.4		
38293	Soil	Madsen			562020.2	5657489.1		
38295	Soil	Madsen			562287.3	5657362.5		
		ZONE V						
3051	Rock	Zone V			565723.2	5656603.3		back trench - hangingwall to vein zone
3052	Rock	Zone V			565733.6	5656602.1	1194.6	2M true thickness, fresh face in trenc
3053	Rock	Zone V			565694.6	5656679.6	1184.9	New vein showing .3-1m thick, with QFP
3054	Rock	Zone V			565694.6	5656679.6	1184.9	silicified Sd as hanging wall to vein zone, 330/25 S(1.0 m)
3055	Rock	Zone V			565694.6	5656680.6		hanging wall of silicified Sd (1.5 m)
3056	Rock	Zone V			565694.6	5656681.6		foot wall, altered dike (0.6 m)
3057	Rock	Zone V			565694.6	5656682.6		lower switch back face (2.0 m)
		ZONE XIII						
1	Soil	Zone XIII			567078.0	5654599.0		
2	Soil	Zone XIII			567095.0	5654622.0		L
3	Soil	Zone XIII			567105.0	5654641.0		
4	Soil	Zone XIII			567123.0	5654660.0		+
5	Soil	Zone XIII			567139.0	5654680.0		
5	Soil	Zone XIII			567139.0	5654682.0		

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			Local	Grid	UTM (N	ad 83)	Elevation	
Sample Number	Sample Type	Area	Grid east	Grid north	Easting	Northing		Location / Comment
			10000	10000	565.9	5655.7		
		TRIMBLE						
3058	Rock	Trimble	13400	10220	568669.1	5653703.4		rubble, QP, fine dis blue grey sulphide
3059	Rock	Trimble	13410	10205	568667.1	5653685.4		QFP, fine dis sulphide
3060	Rock	Trimble	13420	10190	568665.1	5653667.5		SdS, fine blochy py
3061	Rock	Trimble	13430	10185	568669.5	5653657.3		Sd, with qtz eyes and biotite
3062	Rock	Trimble	13440	10170	568667.6	5653639.3		gossanous QFP, in creek
3063	Rock	Trimble	13405	10235	568682.5	5653711.6		altered SD
	Soil	Trimble	13400	10200	568656.2	5653688.0		top
	Soil	Trimble	13400	10200	568656.2	5653688.0		bottom
	Soil	Trimble	13400	10220	568669.1	5653703.4		
	Soil	Trimble	13400	10240	568681.9	5653718.7		top
	Soil	Trimble	13400	10240	568681.9	5653718.7		bottom
	Soil	Trimble	13400	10260	568694.8	5653734.0	_ /	
	Soil	Trimble	13400	10280	568707.6	5653749.3		
	Soil	Trimble	13200	10500	568695.8	5654046.4		bottom
	Soil	Trimble	13200	10500	568695.8	5654046.4		top
3066	Silt	Trimble	13400	10240	568681.9	5653718.7		-80+200
3066	Silt	Trimble	13400	10240	568681.9	5653718.7		-200
03067	Pan Con	Trimble	13400	10240	568681.9	5653718.7		
03068	Pan Con	Trimble	13400	10290	568714.1	5653757.0		
03072	Pan Con	Trimble	13400	10340	568746.2	5653795.3		

-

Sheet5

	UTM (N	lad 83)									
Sample		<u> </u>									
Number	Easting	Northing									
	565.9231	5655.7203	Au(ppb)	Au (oz/t)	Cu(ppm)	Pb(ppm)	Zn(ppm)	Ag(ppm)	As(ppm)	Sb(ppm)	Hg(ppb)
	571804.942	5653395.66								-	
3064	567076	5654604	10		100	22	72	<0.2	50	10	
3064	567076	5654641	10		28	16			685		
3005	562847	5658159.9	10		20	10	45	0.2	000	13	
	562908.4	5658003.4									
38292	562908.4	5657540.4	30		64	36	146	<0.2	15	<5	
38293	562020.2	5657489.1	5		22	28		<0.2		<5	
38295	562287.3	5657362.5	10		75	46		<0.2		<5	
30230	002207.0	0007002.0	10					0.2			
3051	565723.2	5656603.3	12900	0.377	238	6320	485	48.2	>10000	30	
3052	565733.6	5656602.1	118000	3.441	454	>10000	248	122	>10000	130	
3053	565694.6	5656679.6	14500	0.423	142	7236	1172	52.3	>10000	25	
3054	565694.6	5656679.6	125		89	100	1004	1.2	635	5	
3055	565694.6	5656680.6	305		52	102	1995	0.7	2770	5	
3056	565694.6	5656681.6									
3057	565694.6	5656682.6	15		28	16	51	0.2	30	<5	
s1	567078	5654599	5		43	38	106	<0.2	155	<5	
s2	567095	5654622	5		57	40	168	<0.2	175		
s3	567105	5654641	10		61	32	118	<0.2	210		
s4	567123	5654660	10		92	32	111	<0.2	495		
s5	567139	5654680			64	26	-	<0.2	320		
s6	567139	5654682	5		27	30	213	<0.2	95	<5	

-

Sheet5

	UTM (N	ad 83)									
Sample										t	
Number	Easting	Northing				<u></u>					
	565.9231	5655.7203	Au(ppb)	Au (oz/t)	Cu(ppm)	Pb(ppm)	Zn(ppm)	Ag(ppm)	As(ppm)	Sb(ppm)	Hg(ppb)
3058	568669.1	5653703.4	350		1	14	25	0.2	20	<5	
3059	568667.1	5653685.4	15		1	8	23	0.2	<5	<5	
3060	568665.1	5653667.5									
3061	568669.5	5653657.3	30		37	18	53	<0.2	5	5	5
3062	568667.6	5653639.3	5		1	16	36	0.2	95	<5	
3063	568682.5	5653711.6	15		62	26	71	0.2	15	Ę	5
	568656.2	5653688.0	5		23	26		<0.2	10	<5	
	568656.2	5653688.0	5		44	42	123	<0.2	25	<5	
	568669.1	5653703.4	10		71	46		<0.2	20	<5	
	568681.9	5653718.7	10		13	20		<0.2	<5	<5	
	568681.9	5653718.7	10		29	44		<0.2	<5	<5	
	568694.8	5653734.0	5		54	50		<0.2		<5	
	568707.6	5653749.3	5		50	50		<0.2	<5	<5	
	568695.8	5654046.4	10		71	46		<0.2	<5	<5	
	568695.8	5654046.4	10		42	38	/	<0.2		<5	
3066	568681.9	5653718.7	5	· · · · · · · · · · · · · · · · · · · ·	36	20	78	<0.2	10	<5	
3066	568681.9	5653718.7	20								
E03067	568681.9	5653718.7	890		47	94				<5	
E03068	568714.1	5653757.0	5		28	16		<0.2		<5	
E03072	568746.2	5653795.3	10		25	26	289	<0.2	10	<5	

•••

Appendix II - Geochemical and Assay Results
- Detailed Description of Geochemical Procedures

ICP CERTIFICATE OF ANALYSIS AK 2004-817

ECO TECH LABORATORY LTD. 10041 Dailas Drive KAMLOOPS, B.C. V2C 6T4

Phone: 250-573-5700 Fax : 250-573-4557 DURFELD GEOLOGICAL BOX 4438 WILLIAMS LAKE, BC V2G 2V5

ATTENTION: RUDI DURFELD

No. of samples received: 13 Sample type:Rock **Project #: Watson Bar samples Shipment #: None Given** Samples submitted by: Rudi Durfeld

Values in ppm unless otherwise reported

Et #. Tag	g #	Au(ppb)	Ag	AI %	As	Ва	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Мо	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	v	W	Y	Zn
1 305	51	>1000	>30	1.07	>10000	90	80	0.93	459	5	127	238	7.09	<10	0.48	456	4	0.04	7	620	6320	30	<20	247	<0.01	<10	19	<10	8	485
2 30	52	>1000	>30	0.19	>10000	45	155	0.57 >	>1000	<1	203	454	>10	<10	0.27	14	4	<0.01	<1	450	>10000	130	<20	56	<0.01	<10	11	<10	<1	248
3 305	53	>1000	>30	0.59	>10000	40	80	1.15	364	3	169	142	5.08	<10	0.76	332	7	<0.01	5	210	7236	25	<20	172	<0.01	<10	18	<10	<1	1172
4 305	54	125	1.2	4.46	635	55	10	4.20	13	18	80	89	6.22	<10	2.27	1149	2	<0.01	39	820	100	5	<20	108	<0.01	<10	98	<10	9	1004
5 305	55	305	0.7	2.37	2770	100	<5	4.53	35	10	82	52	3.70	<10	1.64	891	2	0.01	23	810	102	5	<20	130	<0.01	<10	77	<10	7	1995
6 30	57	15	0.2	1.70	30	210	<5	6.25	<1	10	69	28	4.18	<10	1.25	804	2	0.05	20	900	16	<5	<20	364	<0.01	<10	53	<10	10	51
7 305	58	350	0.2	0.46	20	60	<5	1.76	<1	<1	84	1	0.66	10	0.36	479	5	0.05	2	180	14	<5	<20	87	<0.01	<10	1	<10	6	25
8 305	59	15	0.2	0.48	<5	50	<5	0.98	<1	<1	61	1	0.70	<10	0.37	472	4	0.04	1	170	8	<5	<20	72	<0.01	<10	1	<10	4	23
9 306	51	30	<0.2	3.47	5	190	<5	4.39	<1	16	63	37	4.29	<10	1.49	982	2	0.05	28	1080	18	5	<20	172	0.25	<10	137	<10	8	53
10 306		5	0.2	0.36	95	65	<5	1.07	<1	1	76	1	0.89	10	0.27	377	4	0.02	3	200	16	<5	<20	29	<0.01	<10	2	<10	5	36
11 306		15	0.2	5.03	15	115	<5	0.33	<1	22	66	62	5.01	<10	2.07	835	3	0.18	26	880	26	5	<20	60	0.35	<10	161	<10	7	71
12 306		10	<0.2	5.06	50	165	<5	2.58	<1	32	73	100	5.40	<10	1.74	626	2	0.62	39	830	22	10	<20	431	0.01	<10	210	<10	9	72
13 306	65	10	0.2	0.44	685	60	<5	6.89	6	7	56	28	3.42	<10	1.95	788	1	0.01	9	300	16	15	<20	280	<0.01	<10	47	<10	7	49
<u>C DATA</u> Resplit: 1 305	-	>1000	>30	1.03	>10000	105	80	0.96	457	4	133	217	7.05	<10	0.52	449	5	0.05	6	690	6126	30	<20	259	<0.01	<10	19	<10	8	474
Repeat: 1 305	51	>1000	>30	1.09	>10000	95	80	0.95	472	5	132	238	7.17	<10	0.49	463	4	0.04	7	680	6402	35	<20	251	<0.01	<10	20	<10	8	491
Standard . GEO'04	:	140	1.6	1.92	155	155	<5	1.83	1	15	60	88	3.95	<10	1.04	680	1	0.02	31	740	22	<5	<20	59	0.12	<10	75	<10	8	72

JJ/jm #/790F KLS/04

ECO TECH LABORATORY LTD. B.C. Certified Assayer

ECO TECH LABORATORY LTD. 10041 Dallas Drive KAMLOOPS, B.C. V2C 6T4

Phone: 250-573-5700 Fax : 250-573-4557

ICP CERTIFICATE OF ANALYSIS AK 2004-818

DURFELD GEOLOGICAL BOX 4438 WILLIAMS LAKE, BC V2G 2V5

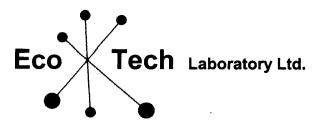
ATTENTION: RUDI DURFELD

No. of samples received: 18 Sample type:Soil Project #: Watson Bar Samples Shipment #: None Given

Values in ppm unless otherwise reported

Et #. Tag #	Au(ppb) Ag	Al %	As Ba Bi	Ca% Cd Co	Cr Cu	Fe% La	Mg %	Mn Mo	Na%Ni	P Pb Sb Sr	Sr Ti% U V W Y Zn
1 38292	10 < 0.2	2.50	15 220 <5	1.22 <1 28	53 64	5.88 <10	0.80	597 <1	0.03 41	340 36 <5 <20) 75 0.03 <10 121 <10 17 146
2 38293	5 < 0.2	1.54	10 180 <5	0.69 <1 18	29 22	3.34 <10	0.36	749 <1	0.03 26	240 28 <5 <20) 39 0.01 <10 70 <10 9 93
3 38295	10 <0.2	2.72	50 145 <5	3.81 <1 32	43 75	5.78 <10	1.58	998 <1	0.15 40	860 46 <5 <20	74 0.03 <10 131 <10 10 129
4 s1 567078E 5654599N	5 < 0.2	2.05	155 180 <5	0.49 <1 21	44 43	4.68 <10	0.48	380 <1	0.03 30	520 38 <5 <20	37 0.03 <10 106 <10 9 106
5 s2 567095E 5654622N	5 <0.2	2.59	175 270 <5	0.48 <1 29	57 57	5.51 10	0.51	840 <1	0.02 48	880 40 <5 <20	0 29 0.02 <10 109 <10 12 168
6 s3 567105E 5654641N	10 <0.2	2.28	210 135 <5	0.57 <1 27	42 61	6.33 <10	0.84	632 <1	0.03 31	460 32 <5 <20) 38 <0.01 <10 140 <10 6 118
7 s4 567123E 5654660N	10 <0.2	2.33	495 115 <5	0.54 <1 29	44 92	6.68 <10	0.64	372 <1	0.02 31	630 32 <5 <20	
8 s5 567139E 5654680N	10 < 0.2	1.96	320 200 <5	0.50 <1 22	39 64	6.06 <10	0.51	391 <1	0.03 32	620 26 <5 <20	
9 s6 567139E 5654682N	5 < 0.2	1.86	95 170 <5	0.50 <1 20	42 27	4.14 <10	0.43	579 <1	0.02 39	780 30 <5 <20	27 0.03 <10 86 <10 5 213
10 134+00E 107+00N top	5 <0.2	1.44	10 100 <5	0.62 <1 17	31 23	3.01 <10	0.44	487 <1	0.02 25	520 26 <5 <20	37 0.04 <10 72 <10 6 91
11 134+00E 107+00N bottom	5 <0.2	2.46	25 180 <5	1.20 <1 30	56 44	5.20 <10	0.87	748 <1	0.02 44	380 42 <5 <20	0 84 0.03 <10 120 <10 9 123
12 134+00E 107+20N	10 < 0.2	3.15	20 105 <5	2.33 <1 27	48 71	4.50 <10	1.34	617 <1	<0.01 36	530 46 <5 <20	86 0.05 <10 104 <10 10 104
13 134+00E 107+40N top	10 <0.2	1.10	<5 215 <5	0.66 <1 14	23 13	2.27 <10	0.28	1236 <1	0.02 22	1010 20 <5 <20	24 0.05 <10 56 <10 4 128
14 134+00E 107+40N bottom	10 <0.2	2.67	<5 260 <5	0.90 <1 24	46 29	4.07 <10	0.69	660 <1	0.02 45	940 44 <5 <20) 54 0.05 <10 95 <10 7 197
15 134+00E 107+60N	5 < 0.2	3.31	10 225 <5	1.02 <1 35	55 54	4.92 <10	0.95	427 <1	0.02 52	650 50 <5 <20) 26 0.03 <10 126 <10 9 144
16 134+00E 107+80N	5 < 0.2	3.40	<5 475 <5	1.45 <1 35	41 50	4.30 <10	0.78	373 <1	0.02 44	350 50 <5 <20) 344 0.03 <10 83 <10 6 116
17 132E 105N bottom	10 <0.2	2.82	<5 190 <5	1.78 <1 34	49 71	4.94 <10	0.98	705 <1	0.03 48	820 46 <5 <20	72 0.02 <10 92 <10 15 99
18 132E 105N top	10 <0.2	2.60	30 165 <5	1.06 <1 29	57 42	5.41 10	0.91	570 <1	0.02 49	270 38 <5 <20	0 74 0.02 <10 122 <10 13 97
<u>QC DATA:</u> Repeat:											
1 38292	30 < 0.2	2.52	25 230 <5	1.27 <1 28	53 66	5.95 <10	0.79	608 <1	0.03 45	360 36 <5 <20	77 0.01 <10 119 <10 18 148
10 134+00E 107+00N top	10 <0.2	1.40	5 100 <5	0.61 <1 17	30 22	2.92 <10	0.43	477 <1		540 24 <5 <20	
Standard: GEO'04	125 1.4	1.53	60 150 <5	1.84 <1 24	76 82	3.95 <10	0.86	775 <1	0.02 31	780 22 <5 <20	26 0.02 <10 60 <10 10 73

JJ/jm df/801a XLS/04 ECO TECH LABORATORY LTD. Jutta Jealouse B.C. Certified Assayer



ASSAYING GEOCHEMISTRY ANALYTICAL CHEMISTRY ENVIRONMENTAL TESTING

10041 Dallas Drive, Kamloops, BC V2C 6T4 Phone (250) 573-5700 Fax (250) 573-4557 E-mail: info@ecotechlab.com www.ecotechlab.com

CERTIFICATE OF ASSAY AK 2004-817

DURFELD GEOLOGICAL BOX 4438 WILLIAMS LAKE, BC V2G 2V5

3-Aug-04

ATTENTION: RUDI DURFELD

No. of samples received: 13 Sample type:Rock **Project #: Watson Bar samples Shipment #: None Given** Samples submitted by: Rudi Durfeld

		Au	Au	Ag	Ag	Pb	
<u> </u>	Tag #	(g/t)	(oz/t)	(g/t)	(oz/t)	(%)	
1	3051	12.9	0.377	48.2	1.41		
2	3052	118	3.441	122	3.56	1.36	
3	3053	14.5	0.423	52.3	1.53		
QC DATA Repeat:							
1	3051			50.0	1.46		
Resplit:							
1	3051	14.0	0.408				
Standard							
Pb106				58.2	1.70	0.52	
Cu106				138	4.02		
OX123		1.85	0.054				

ECO TECH LABORATORY LTD.
Jutta Jeajojase /
✓B.C. Certified Assayer

JJ/jm XLS/04 ECO TECH LABORATORY LTD. 10041 Dallas Drive CAMLOOPS, B.C. J2C 6T4 ICP CERTIFICATE OF ANALYSIS AK 2004-819

DURFELD GEOLOGICAL BOX 4438 WILLIAMS LAKE, BC V2G 2V5

ATTENTION: RUDI DURFELD

No. of samples received: 3 Sample type:Pan Con **Project #: Watson Bar Samples Shipment #: None Given** Samples submitted by: Rudi Durfeld

^{Phone: 250-573-5700} ^{Fax}: 250-573-4557

Values in ppm unless otherwise reported

Et #	Tag #	Au(ppb)	Ag	AI %	As	Ва	Bi	<u>Ca %</u>	Cd	Co	Cr	Cu	Fe %	La	<u>Mg %</u>	Mn	Mo	<u>Na %</u>	Ni	Р	Pb	Sb	Sn	Sr	<u>Ti %</u>	U	_ v	w	<u>Y</u>	Zn
1	E03067	890	0.2	0.61	45	30	<5	0.33	<1	43	99	47	>10	<10	0.59	2385	2	< 0.01	68	950	94	<5	<20	21	0.86	<10	756	<10	6	420
2	E03068	5	<0.2	1.67	15	105	<5	0.80	<1	22	32	28	4.78	<10	0.96	837	<1	<0.01	33	630	16	<5	<20	93	0.21	<10	152	<10	5	88
3	E03072	10	<0.2	0.64	10	30	<5	0.37	<1	40	87	25	>10	<10	0.82	1681	<1	<0.01	73 1	060	26	<5	<20	22	0.72	<10	582	<10	6	289

QC DATA:

Repe	at:																												
-1	E03067	-	<0.2	0.60	35	30	<5	0.33	<1	45 101	40	>10	<10	0.57	2383	1	<0.01	71	990	80	<5	<20	20	0.90	<10	759	<10	5	404
2	E03068	10	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Standard: ·

GEO'04	150	1.6	1.63	55 145	<5	1.59	<1	16	54	82	3.61	<10	0.96	632	<1	0.01	29	700	20	<5 <2	0 6	0.1) <10	71	<10	7	72	
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ECO TECH LABORATORY LTD. Jutta Jealøuse B.C. Certified Assayer

Phone: 250-573-5700										ATTE	ENTION	I: RU	DI DURFELI	D
Fax : 250-573-4557 Values in ppm unless otherw	ise reported									Samı Proj e	ple type ect #: V	: Silt Natso	ceived: 1 n Bar Samp e Given	les
Et #. Tag #	Au(ppb) Ag Al % As			CuFe% La Mg			Ni P	Pb			<u> </u>	<u> </u>	V W Y	
1a 3066 - 80m +200 mesh 1b 3066 -200 mesh	5 <0.2 2.02 10 20	140 <5 1.37 <1 19	26	36 3.94 <10 0.	8 775	1 0.02	30 600	20	<5 <	20 142	0.17	<10	118 <10 6	78
QC DATA: <i>Repeat:</i> 1 3066	5 <0.2 2.06 10	145 <5 1.41 <1 18	25	36 3.70 <10 0.	9 750	1 0.02	28 630	16	<5 <	20 143	0.15	<10	105 <10 6	74
Standard: GEO'04	135 1.6 1.60 55	140 <5 1.56 <1 16	57	85 3.53 <10 0.	94 637 <	1 <0.01	29 720	24	<5 <	20 57	0.09	<10	69 <10 7	73

ECO TECH LABORATORY LTD. Juita Jealpuse B.C. Certified Assayer

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ICP CERTIFICATE OF ANALYSIS AK 2004-836

DURFELD GEOLOGICAL BOX 4438 WILLIAMS LAKE, BC V2G 2V5

m 19 5/04

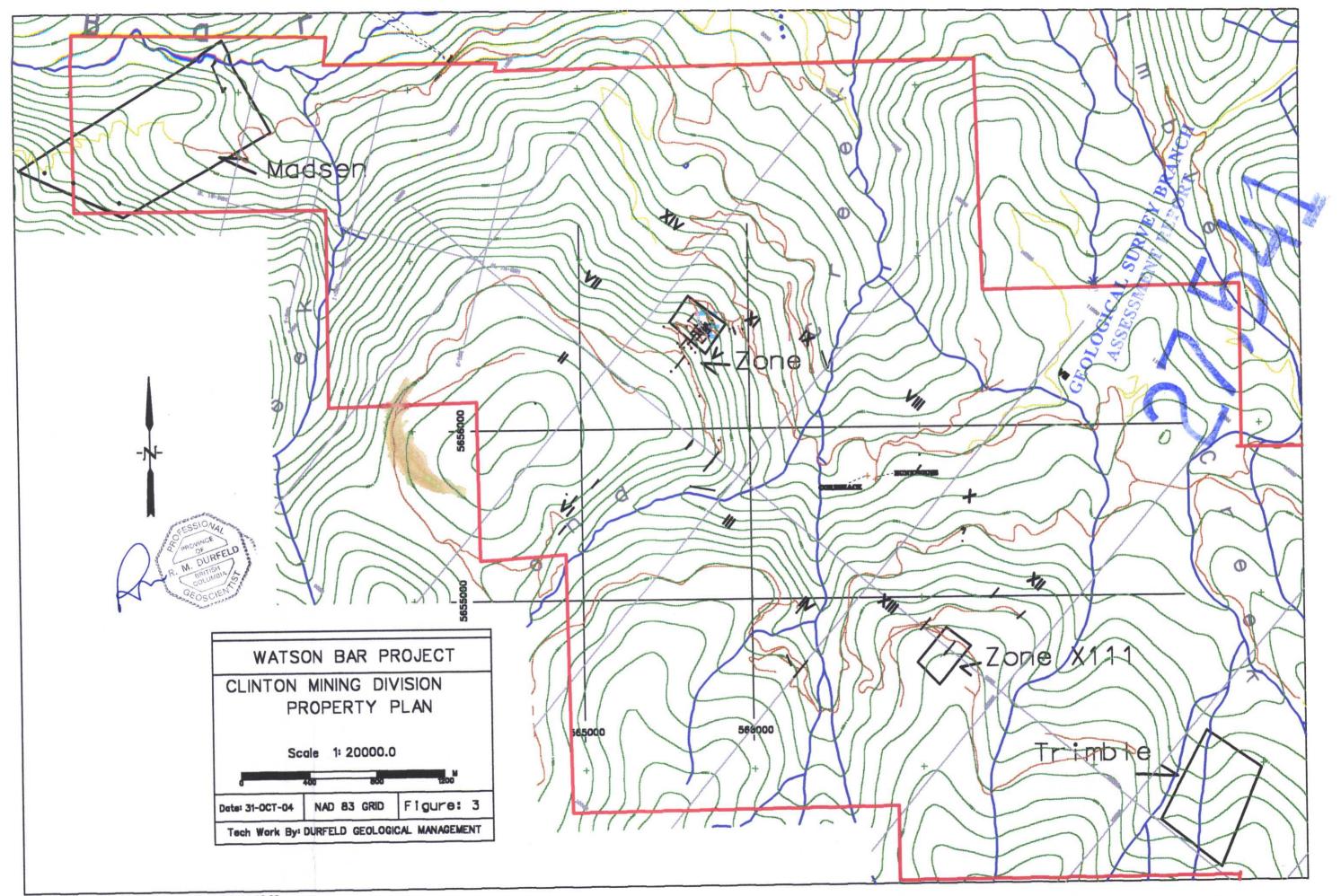
ECO TECH LABORATORY LTD.

10041 Dallas Drive

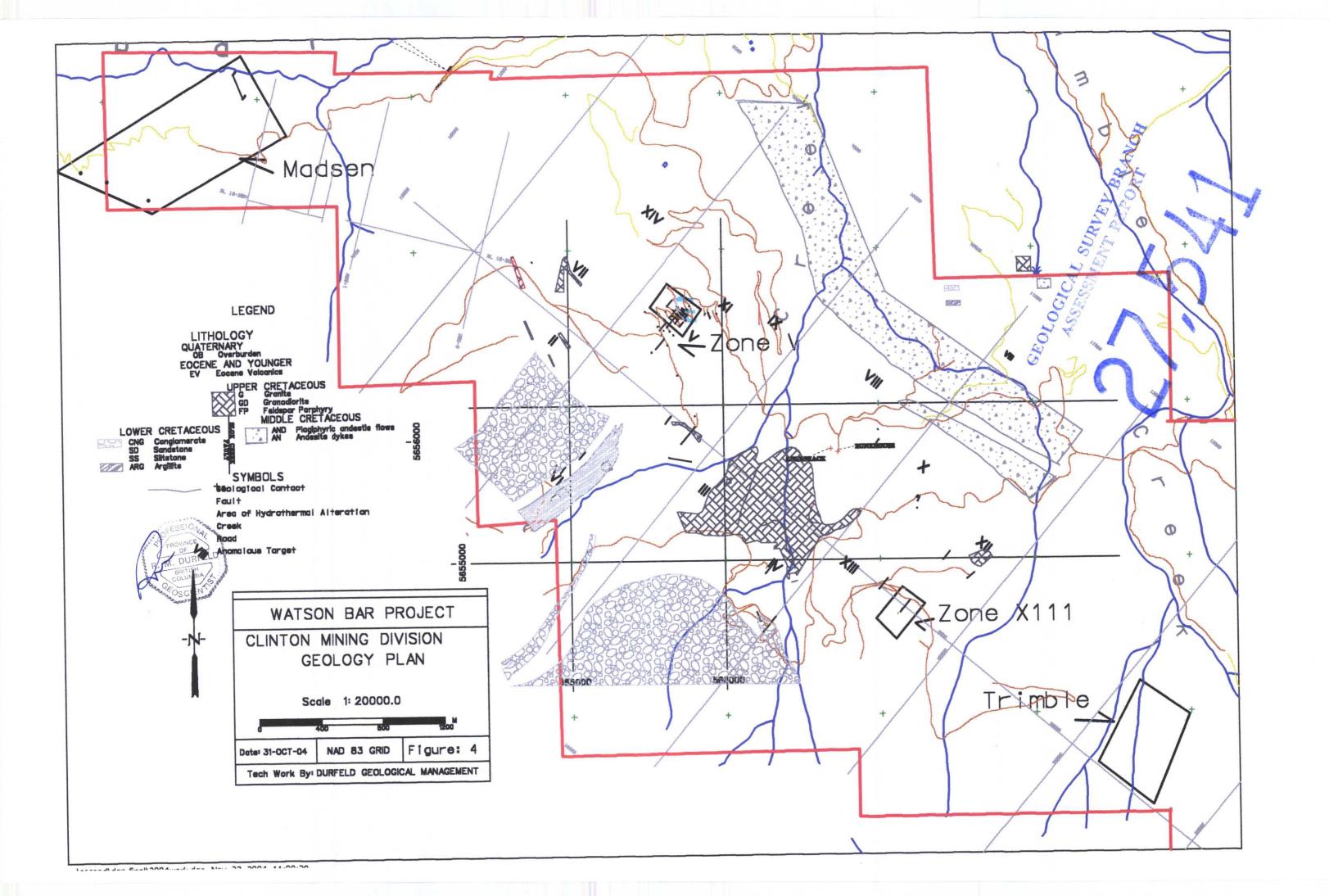
KAMLOOPS, B.C.

V2C 6T4

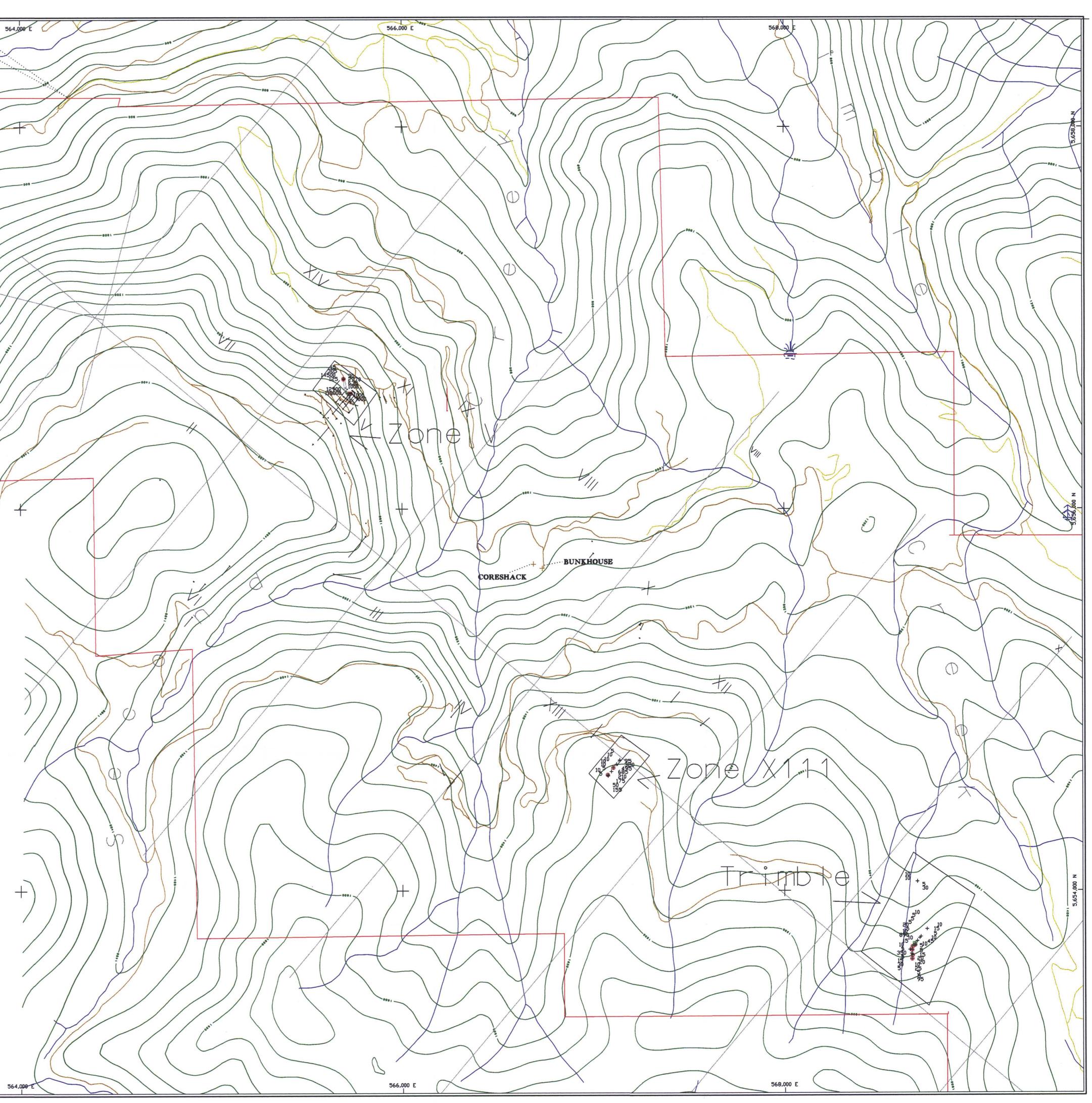
JJ/jm 1f/819 KLS/04



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562,000 E 5,658,400 IGGS 617 50 \bigcap RU1 z 00 LEGEND Soil Sample Site + • Rock Sample Site Silt and Pan Concentrate Sites Arsenic (ppm) Gold (ppb) 30 + 15 GEOLOGICAL SURVEY BRANCH ASSESSMENT REPORT WATSON BAR PROJECT CLINTON MINING DIVISION GEOCHEMICAL PLAN GOLD / ARSENIC Scale 1: 10000 FIGURE: 5 Date: 15-04-05 NAD83-0920.010 DURFELD GEOLOGICAL MANAGEMENT LTD.



^{...\}Watson Bar\GMS\AUAS.dgn 16/04/2005 07:16:34