

## **Geochemical Assessment Report**

On the

### **Rossland Claims**

(Rossland Property)

Trail Creek Mining Division – British Columbia

Latitude 49° 03' North, Longitude 117° 48' West

NTS 82F4W

For

### **Yellowstone Resources Ltd.**

By

Gary M. Allen, P. Eng (Manitoba, Ontario)

January 18, 2008

Revised July 31, 2008

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## **Summary and Conclusions**

Yellowstone Resources Ltd. holds title to six mineral claims consisting of a total of 1545.55 hectares located south of the town of Rossland in south-eastern British Columbia. The claims lie approximately 4 km south of the historic Rossland gold mining camp. The camp has the second largest production of gold in British Columbia.

The claims were originally staked in 1982 and 1983 as the Jero claims by Jero Resources to cover an area of favourable geology and a weak electromagnetic anomaly from an airborne survey. Previous preliminary geological fieldwork and geophysical and geochemical surveys on the claims indicate anomalous gold in the soil samples and geophysical anomalies trending northeast – southwest. Jero Resources later became Gunsteel Resources, which subsequently through a consolidation of properties became one of the shareholders of Yellowstone Resources. These Jero claims were converted to cell claims on September 30, 2005.

The 2007 field work continued the earlier work on the south portion of the claims, and consisted of 27 geochemical soil samples on 15m spacing on the undisturbed banks of an old railbed. The samples were analysed by Acme Analytical Laboratories Ltd. for the full suite of metals. Results confirmed earlier findings of scattered and clumped anomalous gold values in the soils. Of the 30 samples taken, 17 were considered anomalous, i.e. greater than 10 ppb gold.

The anomalies warrant following up exploration to pinpoint the source of gold. The future work recommended includes further geophysical surveying, geochemical sampling as well as surface trenching and if warranted diamond drilling.

## **Recommendations**

A two phase exploration program is recommended to determine the economic potential of the Rossland claims. The initial phase would comprise of detailed geophysical and geochemical surveying of the anomalous gold areas to better define the source of gold. Concurrent and following the surveys is backhoe trenching.

Contingent upon the results of Phase 1, the proposed Phase II program would consist of diamond drilling of defined targets. The estimated costs for Phases I and II are \$72,000 and \$156,600, respectively, for a total of \$228,600. The costs are in line with the costs recommended to be spent on the claims in 1987.

### **Estimated Cost of Recommendations**

**Phase I** Additional mapping, geophysical surveying, geochemical sampling and backhoe trenching .

Salaries	Geologist for 15 days @ \$400/day	\$6,000
	2 – Assistants for 15 days @ \$400/day	6,000
Accommodations & meals	45 mandays @ \$150/manday	6,750
Transportation	15 days @ \$200	3,000
Trenching	10 days @ \$150/hr	12,000
Analytical	800 @ \$20/sample	16,000
Report Preparation		5,000
Management fees		5,000
Total		59,750
Contingencies	20% of above	12,000
<b>Total Phase I</b>		<b>\$72,000</b>

**Phase II** Diamond drilling and trenching of Phase I targets and for extending the geophysics and geochemical surveys onto the remaining Rossland claims.

Salaries	Geologist for 10 days @ \$400/day	\$4,000
	Assistants 10 days @ \$400/day	\$4,000

Accommodations & meals 10 mandays @ \$100/manday	1,000
Drilling 550m @ \$150/m (all included)	82,500
Transportation 10 days @ \$200	2,000
Trenching 5 days @ \$150/hr	6,000
Analytical 1,000 @ \$20/sample	20,000
Report Preparation	6,000
Management fees	5,000
Total	130,500
Contingencies 20% of above	26,100
<b>Total Phase II</b>	<b>\$156,600</b>
<b>Total Phase I &amp; II</b>	<b>\$228,600</b>

## **Introduction**

Yellowstone Resources holds title to 6 claims numbered 520619 and 520621-520625. The claims lie south of the town of Rossland in the Rossland gold mining camp in south-eastern British Columbia. This report documents the work done on claim numbered 520623.

There is no known mineral occurrence on the above mentioned claims. The claims were staked to cover electromagnetic conductors outlined by an airborne geophysical survey that coincided with favourable geology similar to the Rossland gold mining camp. Previous ground surveys conducted on 520619 in 1983 and 1987 outlined coincident anomalous gold and base metals in the soils with electromagnetic inferred conductors and magnetic highs.

The 2007 exploration program comprised of 27 geochemical soil samples on 15m spacing. The work was performed by the author of this report, B. Endersby and T. Lind on 15 October, 2007.

## **Location, Access and Physiography**

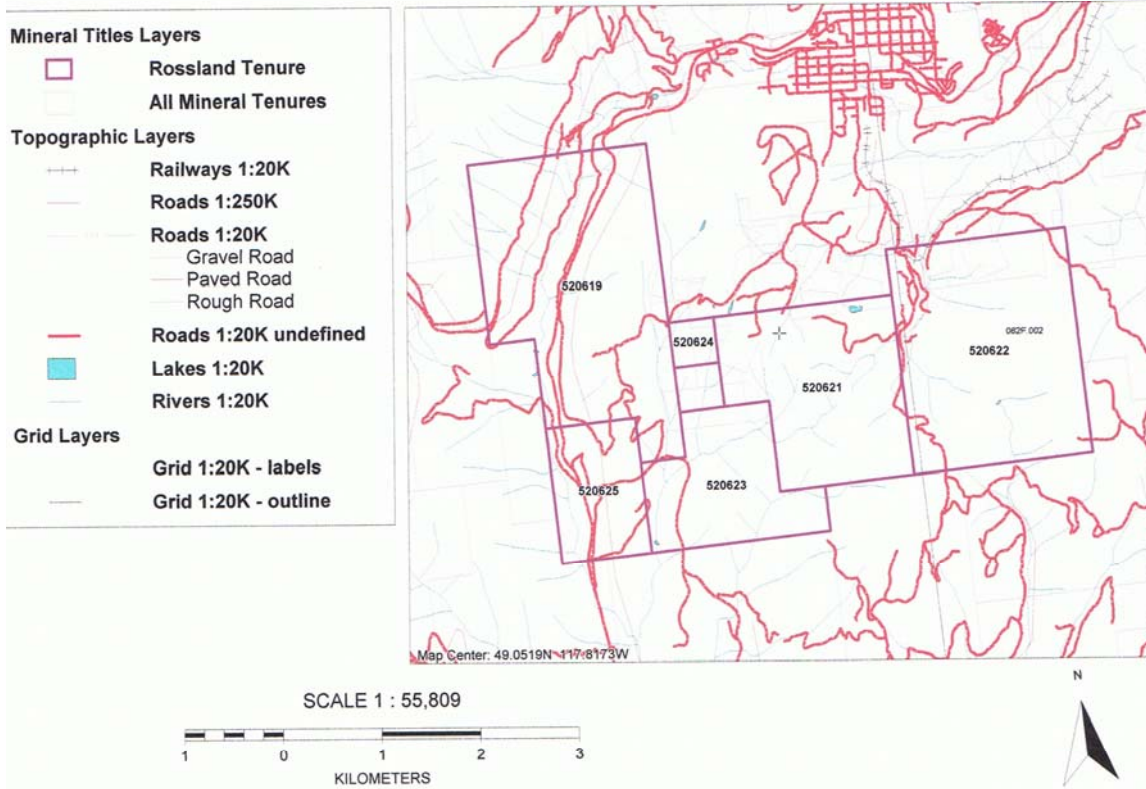
The Yellowstone Resources Rossland claims, covering 1545.55 hectares, lie approximately 2 km south of the town of Rossland in south-eastern British Columbia. The property elevations vary from 600m along Little Sheep Creek to 1300m on the southern flank of Deer Park Hill. Slope gradient varies from gentle to moderate. Vegetation is a secondary growth of balsam, fir, cedar, jack pine, spruce, birch and alder. Primary cedar stands can be found along some water courses. The area is predominantly overburden covered and there are 4x4 accesses to most areas of the claims.



Map Center: 54.4781N 124.7082W

**Figure 1 Location Map Rossland**

# Rossland Claim Map

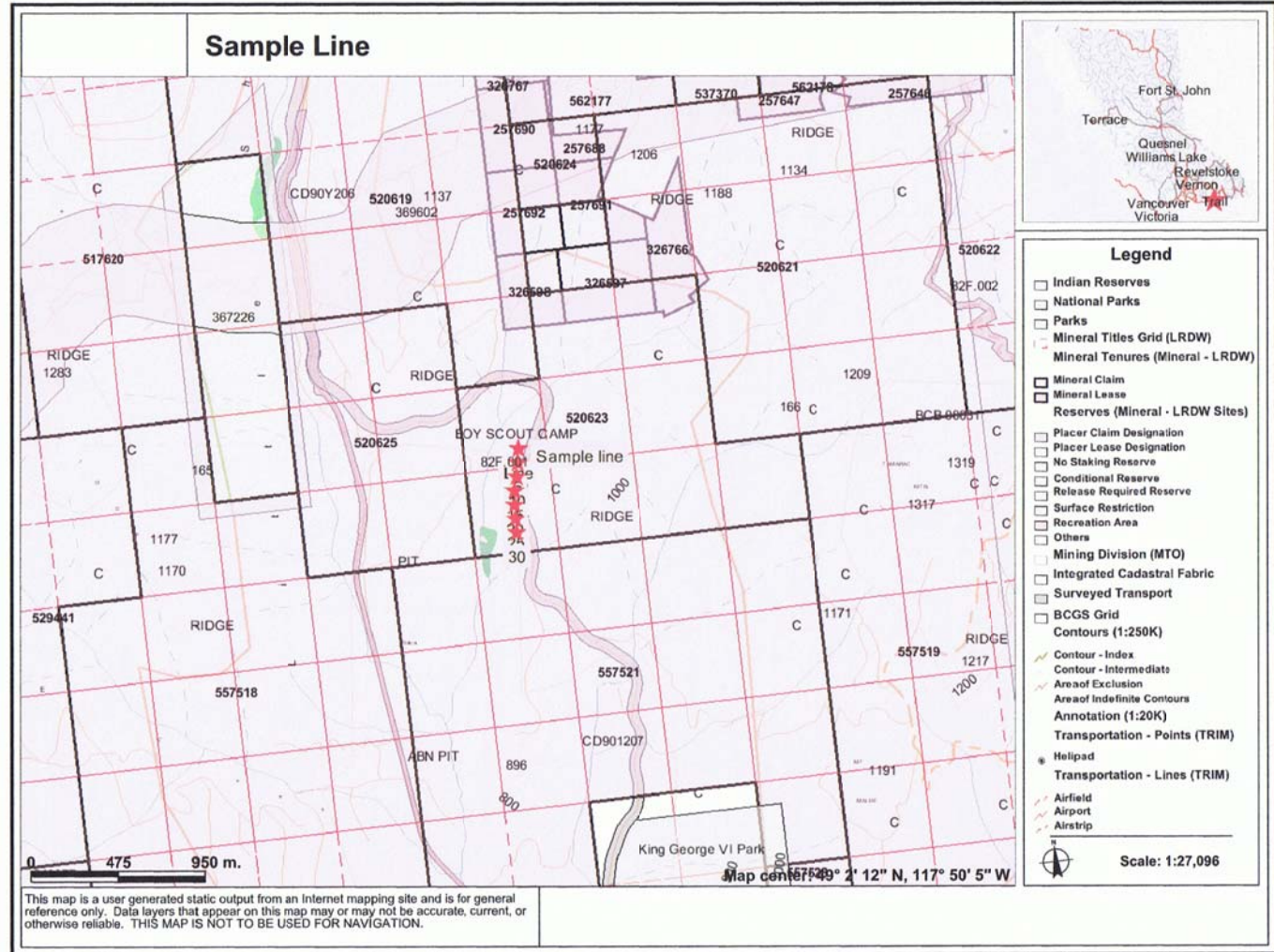


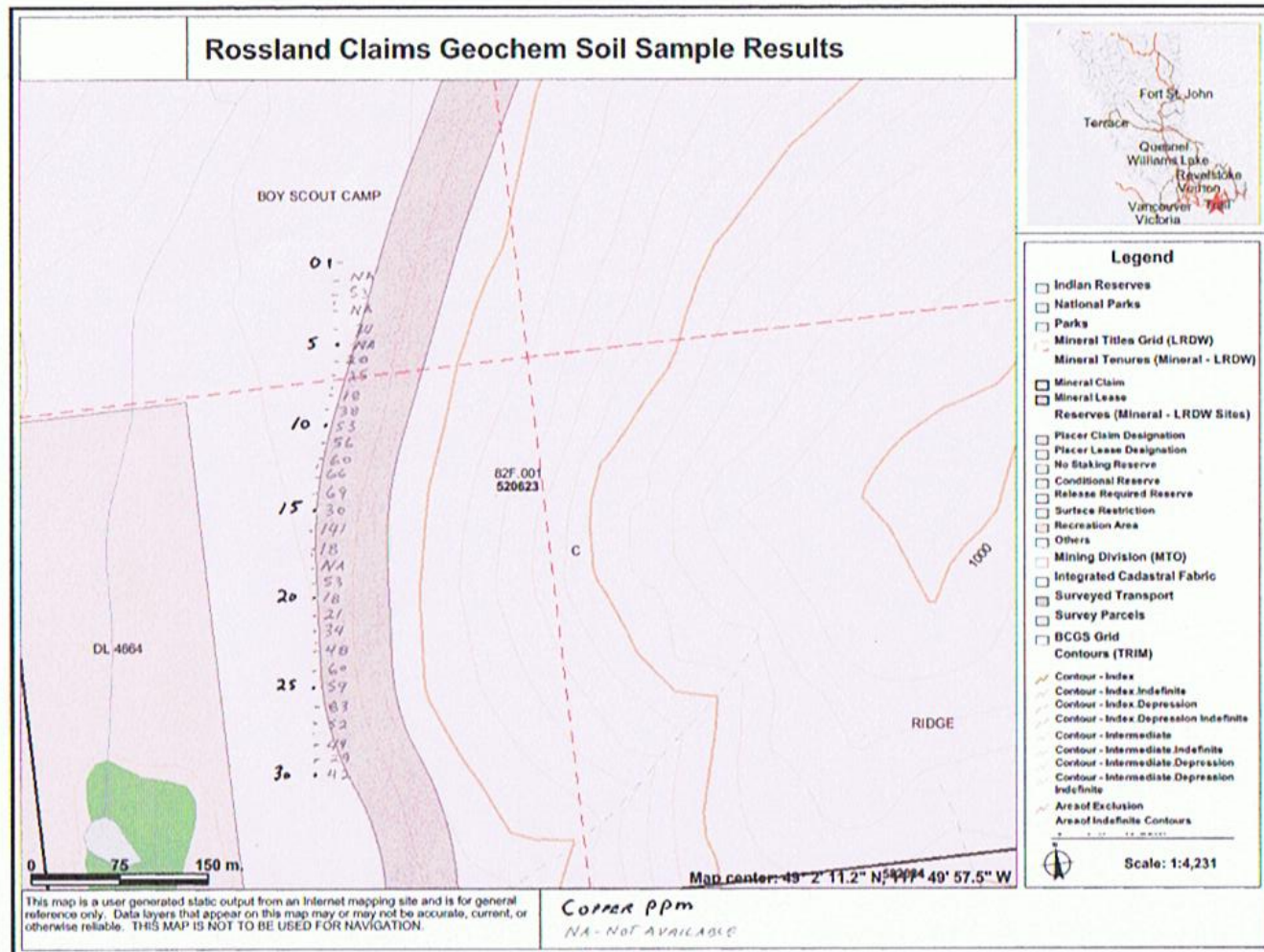


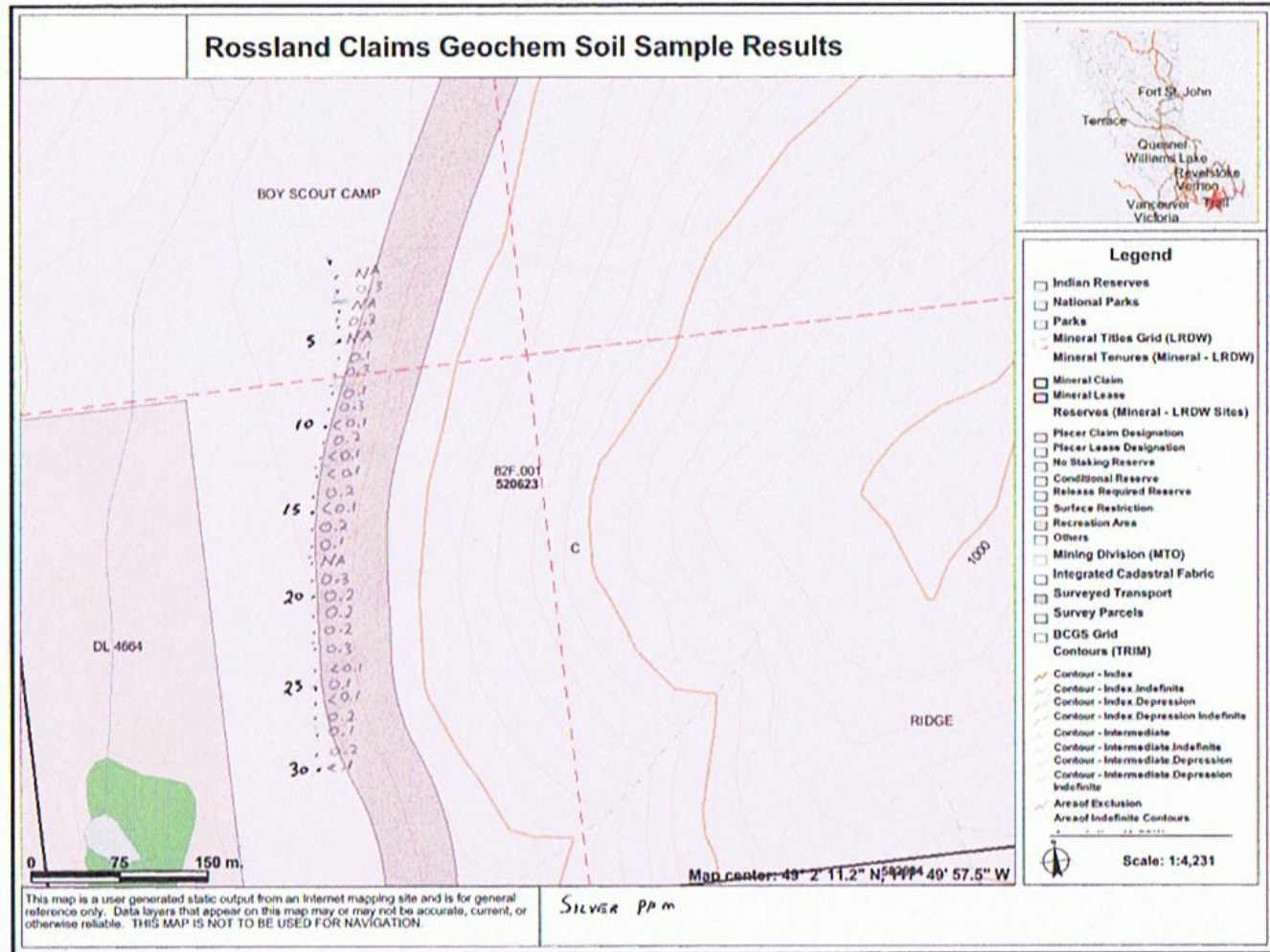
## Claim Data

The Rossland claims were registered in the name of Nugget Mines Ltd. and are beneficially owned by Yellowstone Resources Ltd. The claims were originally staked as the Jero claims in 1982 and 1983 by Jero Resources. This company later became Gunsteel Resources, which subsequently through a consolidation of properties became one of the shareholders of Yellowstone resources. The Jero claims were converted to cell claims on September 30, 2005.

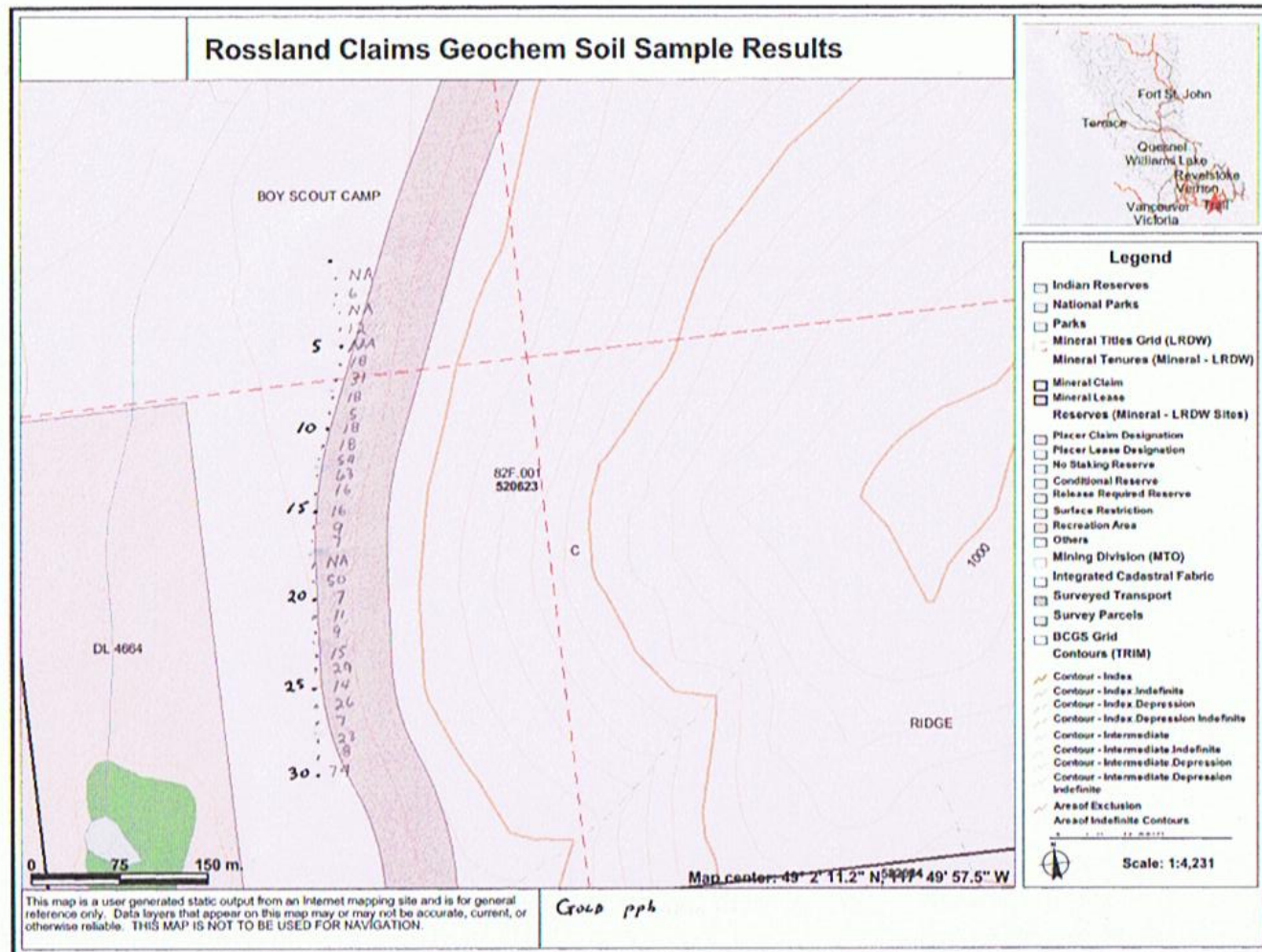
<b>Tenure No.</b>	<b>Area (Hectares)</b>
520619	486.85
520621	296.43
520622	423.46
520623	190.59
520624	21.17
520625	127.05
<b>Total</b>	<b>1545.55</b>



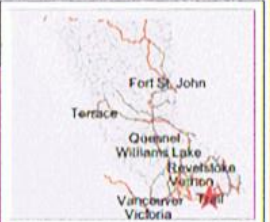
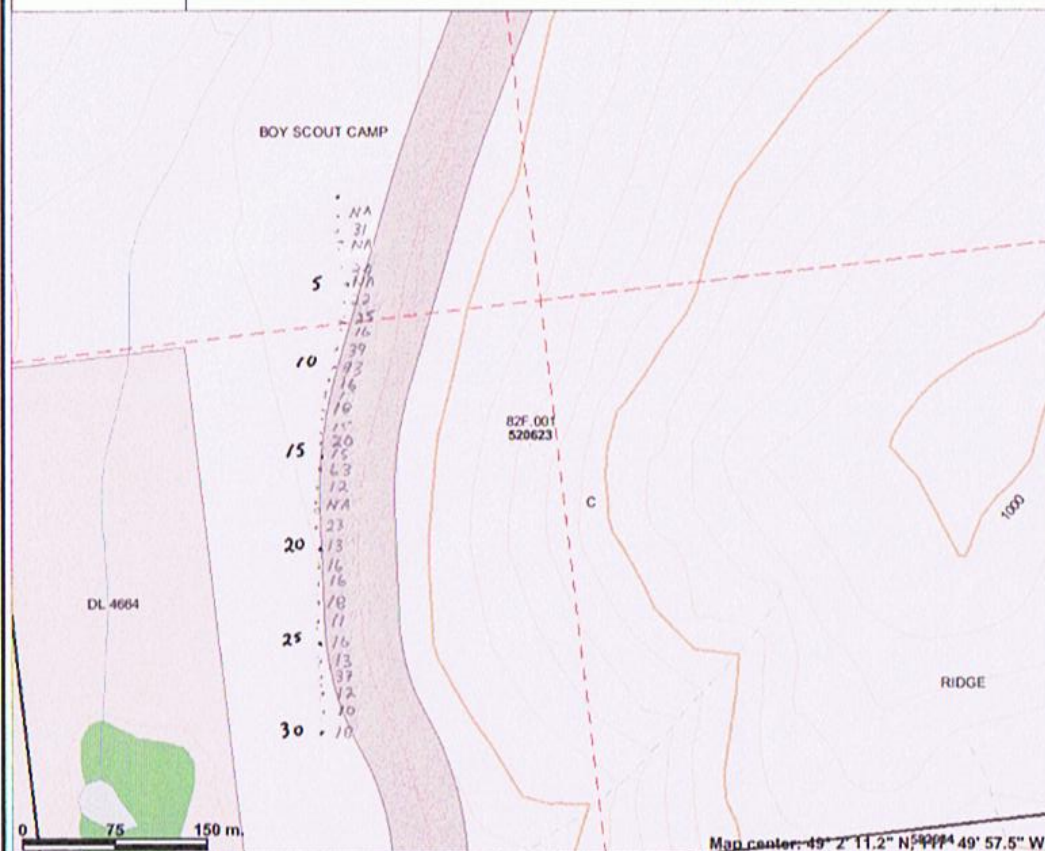








# Rossland Claims Geochem Soil Sample Results



**Legend**

- Indian Reserves
- National Parks
- Parks
- Mineral Titles Grid (LRDW)
- 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)
- Integrated Cadastral Fabric
- Surveyed Transport
- Survey Parcels
- BCGS Grid
- Contours (TRIM)
  - Contour - Index
  - Contour - Index Indefinite
  - Contour - Index Depression
  - Contour - Index Depression Indefinite
  - Contour - Intermediate
  - Contour - Intermediate Indefinite
  - Contour - Intermediate Depression
  - Contour - Intermediate Depression Indefinite
- Area of Exclusion
  - Area of Indefinite Contours

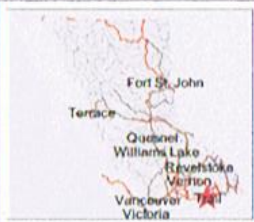
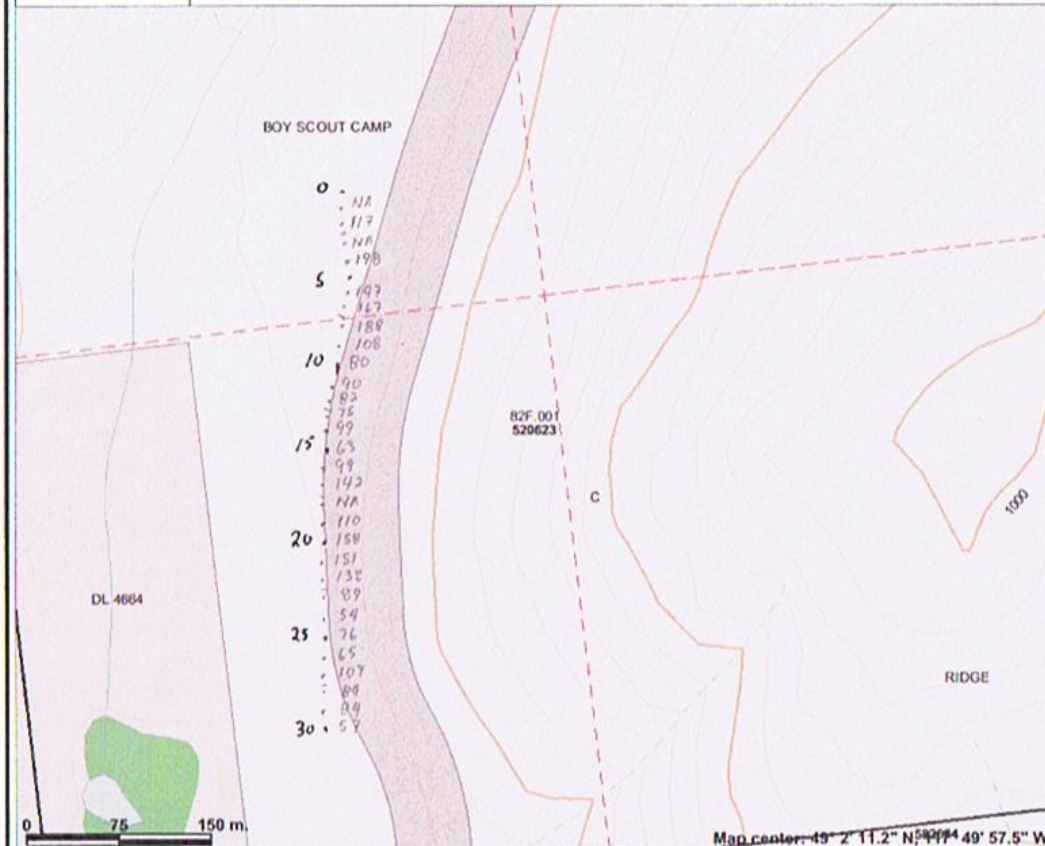
Map center: 49° 2' 11.2" N, 121° 49' 57.5" W

Scale: 1:4,231

This map is a user generated static output from an Internet mapping site and is for general reference only. Data layers that appear on this map may or may not be accurate, current, or otherwise reliable. THIS MAP IS NOT TO BE USED FOR NAVIGATION.

LEAD ppm

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Scale: 1:4,231

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Zinc ppm

## **History**

The Rossland mining camp was the second largest gold mining camp in British Columbia in terms of recorded gold production. The total camp production, mainly between 1895 and 1937, was 2.7 million ounces of gold and 3.3 million ounces of silver from 5.9 million tons of ore. The average grade of the ore was 0.47 ounces of gold per ton, 0.60 ounces of silver per ton and about 1% copper. Most of the production came from the Le Roi, Centre Star, War Eagle, and Josie mines. Molybdenum was also produced in the immediate area, from Red Mountain, during the period 1966 to 1971.

Examination of old information indicates that the Rossland claims have been staked and re-staked many times but with apparently very little systematic exploration work. In 1981 an airborne electromagnetic survey was conducted by Rubicon Resources Ltd. and reported by R. A. Sheldrake. The airborne survey outlined a number of electromagnetic anomalies which were later confirmed by ground VLF-EM surveys. In the same year a geochemical survey outlined a number of gold anomalies on 520619. Since 1982 preliminary ground geophysical, geological and geochemical surveys have been conducted over parts of the claims.

## **Geology**

### **Regional Geology**

The Rossland area lies in the Nelson Map area, 82F (West Half), the geology of which has been described by Little in 1960. The geology of the Rossland gold mining camp has also been documented by Drysdale (1915), Bruce (1917), Gilbert (1948), Fyles (1970), Fyles et al (1973) Thorpe (1973) and Little (1982). The gold deposits of the Rossland camp occur in a complex environment in which major volcanic, sedimentary and intrusive rocks occur.

### **Rossland Mine Geology**

The gold-copper deposits of the Rossland camp are predominantly pyrrhotite-rich quartz veins containing up to 70% sulphides. The veins are



localized by east and north trending faults where they intersect or lie along contacts with highly competent porphyry rocks. The Red Mountain molybdenum deposits occur in brecciated granodiorite and sedimentary rocks.

### The Yellowstone Claim Geology

The Yellowstone claims lie to the south of the Rossland gold camp and are largely overburden covered. According to Fyles the claims are underlain by sedimentary and volcanic rocks.

## **Geochemical Survey**

A total of 27 soil samples were taken on the claims over the period October 15, 2006. The survey covered the western side of claim No. 520623 as shown in the attached maps. The samples were taken along the side of the old railway grade in undisturbed soils on a 15m spacing in a north–south direction.

The overburden is predominantly comprised of a podzolic glacial till. Soil samples of 0.5 to 1 kg weight were collected from the B horizon at a depth of 10 to 40 cm and placed in Kraft paper bags. The samples were shipped to Acme Analytical Laboratories Ltd. in Vancouver, B.C. for atomic absorption analyses. The results of the analyses are reported in Appendix 1.

## **Geochemical Results**

The soil geochemical survey outlined anomalous gold, i.e. > 20 parts per billion (ppb), in 8 of the 27 samples taken or 17 samples > 10 ppb. The gold values vary from 6ppb to 74 ppb. There appears to be no correlation between gold and any other element. The anomalies seem to be clustered around the eastern central area of the grid although several single point anomalies occur throughout. The results appear to agree with past work over the claims.

Zinc, silver, lead and copper are also plotted. Copper was slightly anomalous ie. >100 ppm in 12 samples.

## References

- E. Sykes      Geophysical Assessment Report on the Cherry Group (Jero Claims) May 1990 No. 19,985
- D. G. Allen    Geochemical and Geophysical Report on the Jero 1 to 4 Claims August 25, 1983, No. 11,441
- John Gravel, Donald G. Allen, D. R. MacQuarrie    Geochemical and Geophysical Report on the Jero Claims February 2, 1987, No. 18759
- G. Allen, S. Endersby    Geochemical Assessment Report on the Rossland Claims January 18, 2007

## **Affidavit of Expenses**

The following expenses were incurred on the Yellowstone Resources Ltd. Rossland claims:

### **Wages and labour**

B. Endersby	1 days @ \$150/day	\$300
T. Lind	1 days @ \$100/day	100
Stan Endersby	1 days @ \$500/day	500
Gary Allen	3days @ \$500/day	1,500

### **Travel**

Vehicle rental	2days @ \$50/day	100
Vancouver to Rossland	600km @ \$0.50/km	300
Accommodation & meals	2 days @ 150/day	300

### **Miscellaneous**

Geochemistry analysis	30 @ \$17.08/sample	512
Telephone		30
Computer rental and miscellaneous		40

**Total** **\$4,582**

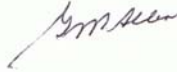
## Certificate

I, Gary Allen, certify that:

1. I am a consulting mining engineer with office at 5 Ursa Crt, Sudbury, Ontario.
2. I am a graduate of the South Dakota School of Mines & Technology with degrees in Mining Engineering B.Sc. and M.Sc.
3. I have practised my profession since 1970 in Canada and the United States.
4. I am a member in good standing of the Association of Professional Engineers in Manitoba and Ontario.
5. This report is based upon a review of literature and field work supervised by myself on October 15, 2007.
6. I am a director of Yellowstone Resources Ltd.
7. I consent to the use of this report in a statement of Material Facts or in a Prospectus in connection with the raising of funds for the project covered by this report.

Gary M. Allen  
P.Eng. Ontario and Manitoba

Sudbury, Ontario  
January 19, 2008



# Appendix

**Client:** **Yellowstone Resources Ltd.**  
 1124 Lee St.  
 White Rock BC V4B 4P4 Canada

**Submitted By:** Stan Endersby  
**Receiving Lab:** Acme Analytical Laboratories (Vancouver) Ltd.  
**Received:** November 02, 2007  
**Report Date:** December 21, 2007  
**Page:** 1 of 2

**CERTIFICATE OF ANALYSIS** VAN07002413.1

**CLIENT JOB INFORMATION**

**Project:** Rossland #5  
**Shipment ID:**  
**P.O. Number:**  
**Number of Samples:** 27

**SAMPLE DISPOSAL**

**RTRN-PLP** Return

**SAMPLE PREPARATION AND ANALYTICAL PROCEDURES**

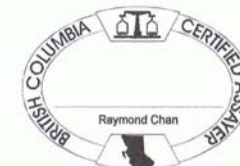
Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status
SS80	26	Dry at 60C sieve 100g to -80 mesh		
Dry at 60C	27	Dry at 60C		
1DX	26	1:1:1 Aqua Regia digestion ICP-MS analysis	15	Completed

**ADDITIONAL COMMENTS**

Acme does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

**Invoice To:** Yellowstone Resources Ltd.  
 1124 Lee St.  
 White Rock BC V4B 4P4  
 Canada

**CC:**



This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only. All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of analysis only.

**QUALITY CONTROL REPORT**

VAN07002413.1

Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
MDL		0.1	0.1	0.1	1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	
<b>Pulp Duplicates</b>																					
07-11	Soil	0.6	55.9	15.7	90	0.2	102.2	24.7	623	3.88	19.8	1.2	17.9	5.0	43	0.4	0.6	0.3	89	0.67	0.185
REP 07-11	QC	0.6	55.3	15.4	88	0.2	99.6	26.4	642	3.73	20.3	1.1	10.6	4.8	43	0.4	0.6	0.3	88	0.66	0.187
07-14	Soil	0.5	66.9	20.0	99	0.2	27.6	11.4	440	2.47	20.1	1.0	15.6	3.9	31	0.5	0.9	0.4	55	0.33	0.253
REP 07-14	QC	0.7	67.5	20.4	97	0.2	29.0	12.0	442	2.51	19.9	1.1	14.8	4.1	33	0.5	0.8	0.4	57	0.34	0.249
<b>Reference Materials</b>																					
STD DS7	Standard	24.3	105.7	70.3	414	0.8	64.8	11.4	717	2.67	52.0	4.4	65.6	4.0	77	5.8	5.4	4.1	100	1.08	0.083
STD DS7	Standard	21.8	118.1	73.4	413	0.9	61.5	10.4	638	2.52	48.6	5.1	66.3	4.7	68	5.9	5.8	4.4	93	0.89	0.078
STD DS7 Expected		20.92	109	70.6	411	0.89	56	9.7	627	2.39	48.2	4.6	70	4.4	68.7	6.38	5.86	4.51	86	0.93	0.08
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval, preliminary reports are unsigned and should be used for reference only.

**CERTIFICATE OF ANALYSIS**

**VAN07002413.1**

Method	Analyte	1DX15																			
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
MDL		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
07-02	Soil	0.6	53.3	31.3	117	0.3	40.3	16.3	530	2.85	28.2	1.0	6.0	4.5	37	0.8	1.7	0.4	72	0.41	0.158
07-04	Soil	0.5	33.7	25.1	193	0.3	38.6	15.3	502	2.90	35.5	0.8	12.0	3.5	39	0.7	1.1	0.4	57	0.44	0.412
07-06	Soil	0.5	20.4	21.7	147	0.1	32.6	12.4	531	2.79	14.0	0.6	16.0	3.3	28	0.6	0.6	0.3	58	0.38	0.247
07-07	Soil	0.5	25.4	14.4	167	0.2	29.3	11.2	1302	2.51	17.4	0.7	31.3	3.2	36	0.6	0.6	0.3	47	0.55	0.595
07-08	Soil	0.7	16.3	16.8	155	0.1	31.3	9.8	1174	2.43	15.9	0.6	18.0	2.8	39	0.6	0.7	0.3	42	0.44	0.600
07-09	Soil	0.6	39.2	11.4	103	0.3	34.1	14.0	353	2.85	23.3	1.0	4.9	4.0	31	0.4	0.6	0.4	69	0.37	0.268
07-10	Soil	0.5	52.6	13.1	60	<0.1	37.3	16.6	479	3.26	33.8	0.7	17.5	4.2	47	0.3	0.7	0.3	94	0.60	0.171
07-11	Soil	0.6	55.9	15.7	90	0.2	102.2	24.7	623	3.68	19.8	1.2	17.9	5.0	43	0.4	0.6	0.3	89	0.67	0.185
07-12	Soil	0.7	59.8	18.3	82	<0.1	47.3	16.4	486	3.18	27.0	0.9	54.2	4.2	42	0.5	0.8	0.4	90	0.56	0.187
07-13	Soil	0.7	66.0	15.4	75	<0.1	51.2	17.1	532	3.53	37.1	1.1	63.2	4.5	66	0.4	0.7	0.4	102	0.81	0.202
07-14	Soil	0.5	66.9	20.0	99	0.2	27.6	11.4	440	2.47	20.1	1.0	15.6	3.9	31	0.5	0.9	0.4	55	0.33	0.253
07-15	Soil	0.5	30.1	15.0	63	<0.1	37.5	12.3	297	2.55	14.7	0.8	15.6	4.5	29	0.3	0.8	0.3	70	0.34	0.095
07-16	Soil	1.2	141.1	62.5	99	0.2	35.7	14.4	488	2.80	28.5	0.9	9.1	3.2	90	1.1	2.3	0.7	67	0.74	0.264
07-17	Soil	0.5	17.8	12.0	142	0.1	24.8	7.4	879	1.73	13.4	0.6	7.4	2.5	39	0.7	0.7	0.2	29	0.35	0.459
07-18	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
07-19	Soil	0.6	52.9	23.0	110	0.3	34.6	13.0	412	2.66	23.9	0.8	50.2	4.0	32	0.5	0.8	0.4	60	0.27	0.278
07-20	Soil	0.5	18.2	12.6	155	0.2	32.2	9.0	909	2.13	10.5	0.6	6.9	3.2	31	0.6	0.6	0.3	37	0.32	0.485
07-21	Soil	0.6	20.5	15.9	151	0.2	40.3	10.8	686	2.39	16.3	0.6	11.0	3.5	41	0.7	0.5	0.3	43	0.33	0.656
07-22	Soil	0.5	33.9	15.6	135	0.2	38.1	11.3	327	2.38	14.3	0.9	8.8	4.0	28	0.5	0.9	0.3	52	0.27	0.207
07-23	Soil	0.4	47.7	17.8	89	0.3	50.6	12.1	378	2.30	19.4	1.1	15.4	3.7	52	0.6	0.8	0.3	52	0.51	0.281
07-24	Soil	0.6	60.0	11.3	54	<0.1	38.8	12.7	266	2.69	27.8	0.8	28.7	5.2	41	0.2	0.8	0.3	76	0.45	0.149
07-25	Soil	0.5	58.5	16.4	75	0.1	41.0	13.6	312	2.71	26.7	0.9	13.9	4.8	42	0.4	0.8	0.4	77	0.47	0.118
07-26	Soil	0.5	82.5	12.5	65	<0.1	45.1	15.0	386	3.12	34.7	0.8	25.5	5.2	49	0.3	0.8	0.5	92	0.55	0.150
07-27	Soil	0.6	51.7	36.9	107	0.2	41.7	13.6	595	2.71	25.7	0.9	6.9	4.5	40	0.7	1.1	0.4	68	0.35	0.266
07-28	Soil	0.3	49.1	11.5	84	0.1	31.6	11.5	315	2.37	21.9	0.9	23.4	4.0	38	0.6	0.6	0.3	55	0.39	0.273
07-29	Soil	0.3	29.3	9.6	84	0.2	23.0	8.7	415	1.80	9.0	0.7	7.9	2.7	37	0.7	0.4	0.2	38	0.38	0.218
07-30	Soil	0.4	41.6	16.3	57	<0.1	25.1	12.7	393	2.76	19.4	0.6	73.9	4.3	45	0.4	0.7	0.4	84	0.53	0.162

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QUALITY CONTROL REPORT

VAN07002413.1

Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.05	1	0.5	
Pulp Duplicates																	
07-11	Soil	18	117	1.74	202	0.162	1	3.12	0.020	0.47	0.9	0.03	3.8	0.3	<0.05	9	<0.5
REP 07-11	QC	18	124	1.73	203	0.156	<1	3.08	0.017	0.48	1.0	0.03	3.8	0.3	<0.05	9	<0.5
07-14	Soil	12	32	0.53	250	0.127	3	3.40	0.019	0.18	1.1	0.04	3.6	0.2	<0.05	8	<0.5
REP 07-14	QC	13	32	0.53	255	0.129	3	3.29	0.019	0.18	1.0	0.04	3.7	0.2	<0.05	8	<0.5
Reference Materials																	
STD DS7	Standard	13	274	1.06	408	0.119	39	1.14	0.095	0.51	4.0	0.20	2.2	4.3	0.21	5	4.1
STD DS7	Standard	12	214	1.12	378	0.120	46	1.04	0.092	0.43	4.1	0.19	2.5	4.3	0.19	5	3.7
STD DS7 Expected		12.7	163	1.05	370.3	0.124	38.6	0.959	0.073	0.44	3.8	0.2	2.5	4.19	0.21	4.6	3.5
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5

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**CERTIFICATE OF ANALYSIS**

VAN07002413.1

Method	Analyte	Unit	1DX15																
			La	Cr	Mg	Ba	Tl	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	
		MDL	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	
07-02	Soil		14	51	0.77	172	0.140	3	2.84	0.034	0.30	0.8	0.03	3.3	0.2	<0.05	8	<0.5	
07-04	Soil		13	34	0.56	225	0.140	3	3.44	0.022	0.15	0.8	0.04	2.6	0.2	<0.05	9	<0.5	
07-06	Soil		11	38	0.46	180	0.133	3	2.89	0.017	0.16	0.8	0.04	2.7	0.2	<0.05	8	<0.5	
07-07	Soil		12	29	0.40	352	0.133	3	3.65	0.028	0.13	0.7	0.04	2.6	0.2	<0.05	8	<0.5	
07-08	Soil		8	28	0.37	350	0.124	3	3.32	0.019	0.15	0.6	0.04	2.4	0.2	<0.05	8	<0.5	
07-09	Soil		15	35	0.61	204	0.136	2	3.11	0.019	0.21	1.1	0.04	3.2	0.2	<0.05	8	<0.5	
07-10	Soil		21	57	0.85	160	0.126	<1	1.71	0.019	0.48	1.8	0.01	3.6	0.2	<0.05	6	<0.5	
07-11	Soil		18	117	1.74	202	0.162	1	3.12	0.020	0.47	0.9	0.03	3.8	0.3	<0.05	9	<0.5	
07-12	Soil		20	61	0.88	189	0.144	3	2.40	0.021	0.45	1.9	0.02	4.2	0.2	<0.05	8	<0.5	
07-13	Soil		22	68	1.00	204	0.145	<1	2.01	0.037	0.58	2.3	0.02	4.4	0.3	<0.05	7	<0.5	
07-14	Soil		12	32	0.53	250	0.127	3	3.40	0.019	0.18	1.1	0.04	3.6	0.2	<0.05	8	<0.5	
07-15	Soil		15	57	0.75	142	0.119	2	1.60	0.014	0.32	1.0	<0.01	3.8	0.2	<0.05	5	<0.5	
07-16	Soil		15	39	0.62	267	0.121	4	2.10	0.018	0.27	1.1	0.06	4.2	0.2	<0.05	6	<0.5	
07-17	Soil		9	22	0.29	446	0.102	4	2.76	0.020	0.11	0.7	0.03	3.0	0.1	<0.05	6	<0.5	
07-18	Soil		L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	
07-19	Soil		11	37	0.59	234	0.119	3	2.63	0.017	0.16	0.9	0.02	3.4	0.2	<0.05	7	<0.5	
07-20	Soil		9	29	0.38	476	0.118	3	2.66	0.018	0.13	0.8	0.03	3.2	0.1	<0.05	6	<0.5	
07-21	Soil		9	38	0.49	543	0.115	3	3.08	0.016	0.13	0.8	0.03	3.1	0.2	<0.05	7	<0.5	
07-22	Soil		12	34	0.55	192	0.123	3	3.01	0.023	0.15	1.1	0.03	3.3	0.2	<0.05	7	<0.5	
07-23	Soil		15	44	0.63	225	0.136	4	3.00	0.023	0.24	0.8	0.03	3.5	0.2	<0.05	7	<0.5	
07-24	Soil		20	49	0.77	175	0.098	<1	1.64	0.013	0.37	1.9	0.02	3.9	0.2	<0.05	5	<0.5	
07-25	Soil		18	56	0.87	174	0.131	2	1.88	0.014	0.40	1.4	0.03	4.1	0.3	<0.05	6	<0.5	
07-26	Soil		21	59	0.96	175	0.129	<1	1.93	0.017	0.48	2.4	0.01	5.3	0.3	<0.05	6	<0.5	
07-27	Soil		15	50	0.74	218	0.135	1	2.63	0.017	0.22	1.2	0.02	3.9	0.2	<0.05	8	<0.5	
07-28	Soil		15	36	0.54	187	0.114	4	2.42	0.021	0.14	0.8	0.03	3.6	0.2	<0.05	7	<0.5	
07-29	Soil		12	24	0.42	207	0.095	4	2.24	0.026	0.21	0.6	0.02	2.9	0.1	<0.05	5	<0.5	
07-30	Soil		22	41	0.66	156	0.122	<1	1.36	0.020	0.36	1.2	0.01	4.1	0.2	<0.05	5	<0.5	

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