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ORE REFERENCE STANDARD: CDN-CGS-15

Recommended values and the "Between Lab" Two Standard Deviations

Copper concentration: 0.451 ± 0.020 %
Gold concentration 0.57 ± 0.06 g/t

PREPARED BY: CDN Resource Laboratories Ltd.
CERTIFIED BY: Duncan Sanderson, B.Sc., Licensed Assayer of British Columbia
INDEPENDENT GEOCHEMIST: Dr. Barry Smee., Ph.D., P. Geo.
DATE OF CERTIFICATION: June 1, 2007

METHOD OF PREPARATION:

Reject ore material was dried, crushed, pulverized and then passed through a 200 mesh screen. The +200 material was discarded. The -200 material was mixed for 6 days in a double-cone blender. Splits were taken and sent to 13 laboratories for round robin assaying.

ORIGIN OF REFERENCE MATERIAL:

The ore was supplied by bcMetals Corporation from the Red Chris property in British Columbia. Most of the mineralization is closely associated with individual and sheeted quartz (±carbonate) veining and quartz (±carbonate) stockwork zones. It occurs as disseminations and fracture coatings. Pyrite, chalcopyrite and lesser bornite are the principal sulphide minerals. Gold occurs as electrum spatially and genetically associated with the copper mineralization.

Standard CDN-CGS-15 was prepared using 800 kg of Red Chris ore and 1.7 kg of an Au-Cu concentrate.

Approximate chemical composition is as follows:

	Percent			Percent
SiO2	51.6		MgO	2.5
Al2O3	14.3		K2O	2.8
Fe2O3	8.5		TiO2	0.6
CaO	6.5		LOI	8.8
Na2O	2.3		S	2.1

Statistical Procedures:

The final limits were calculated after first determining if all data was compatible within a spread normally expected for similar analytical methods done by reputable laboratories. Data from any one laboratory was removed from further calculations when the mean of all analyses from that laboratory failed a t test of the global means of the other laboratories. The means and standard deviations were calculated using all remaining data. Any analysis that fell outside of the mean ±2 standard deviations was removed from the ensuing data base. The mean and standard deviations were again calculated using the remaining data. Outliers were defined as samples beyond the mean ± 2 Standard Deviations from all data. These outliers were removed from the data and a new mean and standard deviation was determined. This method is different from that used by Government agencies in that the actual "between-laboratory" standard deviation is used in the calculations. This produces upper and lower limits that reflect actual individual analyses rather than a grouped set of analyses. The limits can therefore be used to monitor accuracy from individual analyses, unlike the Confidence Limits published on other standards.

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Results from round-robin assaying:

Assay Procedures: **Au:** Fire assay pre-concentration, AA or ICP finish (30g sub-sample).
Cu: 4-acid digestion, AA or ICP finish.

	Lab 1	Lab 2	Lab 3	Lab 4	Lab 5	Lab 6	Lab 7	Lab 8	Lab 9	Lab 10	Lab 11	Lab 12	Lab 13
	Au g/t	Au g/t	Au g/t	Au g/t	Au g/t	Au g/t	Au g/t	Au g/t	Au g/t	Au g/t	Au g/t	Au g/t	Au g/t
CGS-15-1	0.598	0.563	0.57	0.56	0.580	0.638	0.55	0.57	0.572	0.572	0.55	0.537	0.594
CGS-15-2	0.581	0.587	0.55	0.54	0.545	0.604	0.51	0.64	0.581	0.621	0.55	0.594	0.543
CGS-15-3	0.559	0.567	0.61	0.53	0.570	0.563	0.53	0.53	0.588	0.608	0.53	0.581	0.604
CGS-15-4	0.575	0.587	0.59	0.56	0.590	0.564	0.54	0.59	0.578	0.569	0.61	0.540	0.559
CGS-15-5	0.599	0.621	0.57	0.54	0.555	0.577	0.55	0.54	0.569	0.570	0.60	0.570	0.588
CGS-15-6	0.571	0.605	0.53	0.49	0.600	0.577	0.51	0.53	0.577	0.564	0.57	0.662	0.561
CGS-15-7	0.562	0.554	0.60	0.56	0.545	0.558	0.56	0.57	0.572	0.594	0.56	0.551	0.547
CGS-15-8	0.543	0.591	0.60	0.54	0.610	0.576	0.56	0.55	0.589	0.597	0.60	0.566	0.549
CGS-15-9	0.582	0.554	0.62	0.50	0.605	0.515	0.55	0.62	0.572	0.600	0.54	0.647	0.555
CGS-15-10	0.546	0.590	0.58	0.53	0.575	0.589	0.54	0.63	0.587	0.583	0.53	0.526	0.587
Mean	0.572	0.582	0.582	0.535	0.578	0.576	0.541	0.577	0.579	0.588	0.564	0.577	0.569
Std. Dev.	0.019	0.022	0.028	0.024	0.024	0.032	0.017	0.041	0.007	0.019	0.030	0.046	0.022
%RSD	3.39	3.80	4.78	4.51	4.15	5.54	3.18	7.17	1.29	3.25	5.30	7.92	3.91
	% Cu	% Cu	% Cu	% Cu	% Cu	% Cu	% Cu	% Cu	% Cu	% Cu	% Cu	% Cu	% Cu
CGS-15-1	0.439	0.459	0.447	0.447	0.479	0.482	0.443	0.448	0.468	0.464	0.452	0.435	0.443
CGS-15-2	0.449	0.458	0.445	0.433	0.476	0.469	0.443	0.445	0.471	0.471	0.451	0.437	0.434
CGS-15-3	0.446	0.463	0.438	0.450	0.476	0.457	0.444	0.445	0.484	0.463	0.453	0.444	0.432
CGS-15-4	0.439	0.455	0.452	0.448	0.482	0.465	0.443	0.442	0.470	0.463	0.450	0.438	0.433
CGS-15-5	0.435	0.454	0.437	0.449	0.476	0.454	0.443	0.446	0.476	0.464	0.450	0.45	0.434
CGS-15-6	0.442	0.460	0.438	0.447	0.472	0.454	0.445	0.448	0.469	0.450	0.450	0.444	0.438
CGS-15-7	0.441	0.463	0.442	0.450	0.476	0.462	0.446	0.448	0.472	0.462	0.451	0.439	0.427
CGS-15-8	0.441	0.464	0.436	0.446	0.482	0.460	0.444	0.439	0.473	0.450	0.452	0.438	0.437
CGS-15-9	0.447	0.463	0.437	0.447	0.476	0.466	0.443	0.443	0.480	0.459	0.452	0.437	0.422
CGS-15-10	0.448	0.467	0.425	0.447	0.479	0.482	0.445	0.445	0.469	0.456	0.455	0.436	0.441
Mean	0.443	0.461	0.440	0.446	0.477	0.465	0.444	0.445	0.473	0.460	0.452	0.440	0.434
Std. Dev.	0.005	0.004	0.007	0.005	0.003	0.010	0.001	0.003	0.005	0.007	0.002	0.005	0.006
%RSD	1.04	0.90	1.67	1.10	0.65	2.19	0.25	0.66	1.10	1.43	0.35	1.07	1.44

Note: "Cu" data from laboratory 5 were excluded from the calculations for failing the "t" test.

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Participating Laboratories:
(not in same order as listed in table of results)

Acme Analytical Laboratories Ltd., Vancouver
Assayers Canada Ltd., Vancouver
ALS Chemex Laboratories, North Vancouver
Alaska Assay Laboratory, USA
Alex Stewart Assayers, Argentina
Genalysis Laboratory Services Pty. Ltd., Australia
GTK Laboratory, (Geological Survey of Finland)
OMAC Laboratories Ltd., Ireland
Skyline Assayers & Laboratories, Tucson, USA
Teck Cominco - Global Discovery Laboratory, Vancouver
TSL Laboratories, Saskatoon
Ultra Trace Analytical Laboratories, Australia

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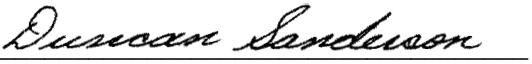
This certificate and the reference material described in it have been prepared with due care and attention. However CDN Resource Laboratories Ltd. or Barry Smee accept no liability for any decisions or actions taken following the use of the reference material. Our liability is limited solely to the cost of the reference material.

Certified by 
Duncan Sanderson, Certified Assayer of B.C.

Geochemist 
Dr. Barry Smee, Ph.D., P. Geo.