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REFERENCE MATERIAL: CDN-CGS-29

Recommended values and the "Between Lab" Two Standard Deviations

Copper concentration: 0.585 ± 0.034 % (4-acid)
Copper concentration: 0.575 ± 0.025 % (aqua regia)
Gold concentration: 0.228 ± 0.030 g/t (30g FA, instrumental finish)

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: August 17, 2011

METHOD OF PREPARATION:

Reject ore material was dried, crushed, pulverized and then passed through a 270 mesh screen. The +270 material was discarded. The -270 material was mixed for 5 days in a double-cone blender. Splits were taken and sent to 14 laboratories for round robin assaying.

ORIGIN OF REFERENCE MATERIAL:

The ore was supplied by Capstone Mining Corp. from the Minto Mine in Yukon, Canada. Mineralization is primary chalcopyrite and bornite pervasively disseminated and as stringers within foliated granodiorite units rich in secondary biotite. Sulphide mineralization is typically accompanied by magnetite. Gold is associated with the sulphide mineralization, typically intimately associated with bornite and rarely observed as free gold.

Approximate chemical composition (by whole rock analysis) is as follows:

	Percent			Percent
SiO2	65.1		MgO	1.1
Al2O3	14.0		K2O	3.1
Fe2O3	7.1		TiO2	0.4
CaO	2.7		LOI	2.7
Na2O	3.3		S	0.4

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. 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 as well as aqua regia digestion, AA or ICP.

	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	Lab 14	Lab 15
SAMPLE	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	Au g/t	Au g/t
CGS-29-1	0.256	0.214	0.233	0.204	0.246	0.273	0.285	0.249	0.22	0.218	0.21	0.230	0.228	0.206	0.217
CGS-29-2	0.284	0.234	0.227	0.202	0.258	0.234	0.311	0.212	0.21	0.210	0.22	0.221	0.228	0.226	0.230
CGS-29-3	0.230	0.217	0.245	0.218	0.258	0.205	0.263	0.201	0.23	0.219	0.22	0.216	0.214	0.206	0.223
CGS-29-4	0.236	0.211	0.256	0.219	0.254	0.200	0.277	0.205	0.20	0.253	0.23	0.231	0.229	0.233	0.230
CGS-29-5	0.242	0.220	0.228	0.207	0.249	0.199	0.232	0.226	0.24	0.237	0.22	0.234	0.230	0.224	0.233
CGS-29-6	0.231	0.223	0.244	0.210	0.263	0.249	0.255	0.214	0.24	0.216	0.25	0.228	0.223	0.216	0.227
CGS-29-7	0.274	0.217	0.231	0.214	0.265	0.223	0.268	0.211	0.23	0.238	0.22	0.247	0.249	0.246	0.220
CGS-29-8	0.229	0.220	0.255	0.206	0.239	0.211	0.276	0.248	0.24	0.229	0.24	0.219	0.228	0.247	0.227
CGS-29-9	0.303	0.219	0.229	0.208	0.238	0.209	0.307	0.242	0.22	0.232	0.24	0.224	0.233	0.238	0.213
CGS-29-10	0.235	0.214	0.248	0.224	0.252	0.210	0.243	0.207	0.23	0.218	0.22	0.255	0.227	0.254	0.217
Mean	0.252	0.219	0.240	0.211	0.252	0.221	0.272	0.222	0.226	0.227	0.227	0.231	0.229	0.230	0.224
Std. Dev'n	0.0263	0.0064	0.0113	0.0072	0.0093	0.0241	0.0253	0.0184	0.0135	0.0132	0.0125	0.0123	0.0087	0.0170	0.0067
%RSD	10.44	2.91	4.71	3.43	3.68	10.87	9.33	8.32	5.97	5.80	5.51	5.35	3.81	7.39	3.02
4 acid	Cu %	Cu %	Cu %	Cu %	Cu %	Cu %	Cu %	Cu %	Cu %	Cu %	Cu %	Cu %	Cu %	Cu %	Cu %
CGS-29-1	0.572	0.605	0.579	0.602	0.591	0.579	0.561	0.620	0.59	0.595	0.590	0.585	0.560	0.58	0.602
CGS-29-2	0.568	0.605	0.582	0.604	0.578	0.571	0.562	0.610	0.57	0.593	0.582	0.575	0.576	0.59	0.594
CGS-29-3	0.578	0.606	0.576	0.608	0.560	0.567	0.559	0.600	0.58	0.590	0.582	0.571	0.559	0.59	0.603
CGS-29-4	0.572	0.606	0.579	0.604	0.574	0.576	0.554	0.610	0.58	0.591	0.577	0.565	0.571	0.59	0.607
CGS-29-5	0.579	0.614	0.583	0.609	0.547	0.569	0.563	0.620	0.57	0.587	0.586	0.563	0.552	0.59	0.605
CGS-29-6	0.572	0.610	0.587	0.611	0.562	0.567	0.588	0.620	0.58	0.587	0.575	0.601	0.552	0.58	0.608
CGS-29-7	0.585	0.608	0.583	0.606	0.562	0.579	0.568	0.610	0.58	0.590	0.583	0.551	0.576	0.59	0.604
CGS-29-8	0.563	0.603	0.577	0.611	0.565	0.563	0.580	0.620	0.59	0.589	0.586	0.591	0.568	0.58	0.604
CGS-29-9	0.574	0.609	0.581	0.614	0.560	0.572	0.568	0.620	0.58	0.585	0.583	0.589	0.577	0.59	0.601
CGS-29-10	0.585	0.609	0.587	0.622	0.559	0.591	0.585	0.620	0.58	0.591	0.575	0.551	0.568	0.59	0.598
Mean	0.575	0.608	0.581	0.609	0.566	0.573	0.569	0.615	0.580	0.590	0.582	0.574	0.566	0.587	0.603
Std. Dev'n	0.0070	0.0032	0.0038	0.0059	0.0122	0.0083	0.0116	0.0071	0.0067	0.0029	0.0050	0.0171	0.0096	0.0048	0.0042
%RSD	1.22	0.52	0.65	0.96	2.16	1.45	2.04	1.15	1.15	0.49	0.85	2.98	1.70	0.82	0.69
aqua regia	Cu %	Cu %	Cu %	Cu %	Cu %	Cu %	Cu %	Cu %	Cu %	Cu %	Cu %	Cu %	Cu %	Cu %	Cu %
CGS-29-1	0.562	0.601	0.57	0.575	0.590	0.586	0.582	0.560	0.57	0.583	0.579	0.576	0.560		0.585
CGS-29-2	0.559	0.603	0.572	0.574	0.575	0.580	0.567	0.560	0.58	0.585	0.588	0.576	0.561		0.585
CGS-29-3	0.575	0.583	0.578	0.573	0.573	0.612	0.574	0.570	0.57	0.582	0.566	0.578	0.570		0.585
CGS-29-4	0.560	0.610	0.589	0.558	0.574	0.570	0.587	0.560	0.58	0.582	0.558	0.608	0.576		0.584
CGS-29-5	0.566	0.608	0.584	0.561	0.588	0.608	0.570	0.560	0.59	0.580	0.590	0.589	0.541		0.584
CGS-29-6	0.556	0.621	0.577	0.567	0.546	0.576	0.556	0.560	0.58	0.577	0.583	0.588	0.554		0.585
CGS-29-7	0.562	0.598	0.581	0.570	0.564	0.573	0.580	0.560	0.59	0.586	0.585	0.580	0.572		0.585
CGS-29-8	0.566	0.607	0.572	0.564	0.572	0.587	0.538	0.550	0.57	0.584	0.575	0.582	0.558		0.585
CGS-29-9	0.557	0.603	0.575	0.566	0.582	0.585	0.528	0.550	0.58	0.583	0.590	0.585	0.527		0.585
CGS-29-10	0.556	0.602	0.582	0.574	0.575	0.588	0.542	0.560	0.56	0.583	0.580	0.565	0.550		0.587
Mean	0.562	0.604	0.578	0.568	0.574	0.587	0.562	0.559	0.577	0.582	0.579	0.583	0.557		0.585

Note: Au data from Laboratory 7 was excluded for failing the t test.

STANDARD REFERENCE MATERIAL CDN-CGS-29

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

Acme Analytical Laboratories Ltd., Vancouver, B.C., Canada
Actlabs, Ancaster, Ontario, Canada
Actlabs, Thunder Bay, Ontario, Canada
ALS Chemex Laboratories, North Vancouver, B.C., Canada
American Assay Laboratories, Nevada, USA
Alex Stewart, Mendoza, Argentina
Alex Stewart, Kamloops, B.C., Canada
CIMM, Lima, Peru
Genalysis Laboratory Services Pty. Ltd., Australia
Inspectorate, Richmond, B.C., Canada
OMAC Laboratories Ltd., Ireland
SGS, Lima, Peru
Skyline Assayers & Laboratories, Arizona, USA
TSL Laboratories, Saskatoon, Canada
Ultra Trace Analytical Laboratories, Australia

Certified by Duncan Sanderson

Duncan Sanderson, Certified Assayer of B.C.

Geochemist

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