

CDN Resource Laboratories Ltd.

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REFERENCE MATERIAL: CDN-CGS-23

Recommended values and the "Between Lab" Two Standard Deviations

Copper concentration: 0.182 ± 0.010 %

Gold concentration: 0.218 ± 0.036 g/t (Provisional value only, RSD = 8.17%)

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: November 17, 2009

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 Pacific Sentinel from the Casino Property in the Yukon Territory, Canada. Copper-gold-molybdenum mineralization is genetically related to a breccia and microbreccia pipe of fine grained quartz monzonites, intrusion breccias, and plagioclase-porphyritic intrusions that may be subvolcanic in origin, comprising part of the 72-74 Ma Casino Intrusive Complex. Roughly centred on the microbreccia pipe, both the alteration and mineralization are zoned. Innermost is the potassic alteration suite consisting of K-feldspar, biotite, magnetite, anhydrite, gypsum, and pyrite, chalcopyrite, molybdenite, and gold.

Approximate chemical composition is as follows:

	Percent			Percent
SiO ₂	61.0		MgO	1.8
Al ₂ O ₃	14.2		K ₂ O	4.5
Fe ₂ O ₃	5.8		TiO ₂	0.5
CaO	2.7		LOI	6.1
Na ₂ O	1.3		S	1.8

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.

	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
	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-23-1	0.249	0.26	0.21	0.210	0.219	0.201	0.205	0.24	0.25	0.190	0.25	0.186	0.196	0.298	0.20
CGS-23-2	0.233	0.24	0.21	0.197	0.190	0.246	0.210	0.24	0.29	0.244	0.23	0.232	0.212	0.207	0.22
CGS-23-3	0.236	0.23	0.17	0.211	0.234	0.209	0.210	0.27	0.28	0.210	0.28	0.235	0.207	0.219	0.22
CGS-23-4	0.240	0.24	0.25	0.224	0.234	0.234	0.200	0.22	0.28	0.207	0.26	0.216	0.217	0.264	0.24
CGS-23-5	0.231	0.23	0.23	0.196	0.204	0.250	0.200	0.19	0.25	0.206	0.24	0.222	0.191	0.245	0.24
CGS-23-6	0.241	0.23	0.22	0.200	0.228	0.205	0.195	0.20	0.23	0.200	0.23	0.220	0.221	0.248	0.22
CGS-23-7	0.266	0.22	0.21	0.229	0.210	0.200	0.200	0.20	0.27	0.235	0.27	0.219	0.185	0.245	0.21
CGS-23-8	0.227	0.22	0.21	0.218	0.215	0.202	0.210	0.19	0.30	0.195	0.28	0.221	0.239	0.303	0.22
CGS-23-9	0.263	0.22	0.19	0.228	0.304	0.192	0.210	0.21	0.28	0.235	0.23	0.231	0.204	0.234	0.23
CGS-23-10	0.221	0.22	0.22	0.222	0.205	0.217	0.200	0.20	0.28	0.229	0.23	0.234	0.189	0.206	0.25
Mean	0.241	0.231	0.214	0.214	0.224	0.216	0.204	0.214	0.271	0.215	0.250	0.222	0.206	0.247	0.225
Std. Dev.	0.015	0.013	0.022	0.013	0.031	0.021	0.006	0.027	0.021	0.019	0.021	0.014	0.017	0.034	0.015
%RSD	6.13	5.57	10.08	5.91	13.97	9.53	2.78	12.78	7.87	8.80	8.43	6.45	8.14	13.68	6.71
	Cu (%)	Cu (%)	Cu (%)	Cu (%)	Cu (%)	Cu (%)	Cu (%)	Cu (%)	Cu (%)	Cu (%)	Cu (%)	Cu (%)	Cu (%)	Cu (%)	Cu (%)
CGS-23-1	0.180	0.188	0.180	0.188	0.177	0.175	0.188	0.186	0.183	0.191	0.176	0.160	0.163	0.198	0.190
CGS-23-2	0.181	0.187	0.178	0.187	0.174	0.176	0.185	0.187	0.186	0.173	0.178	0.173	0.176	0.208	0.190
CGS-23-3	0.182	0.188	0.181	0.187	0.179	0.175	0.186	0.187	0.179	0.186	0.173	0.174	0.172	0.209	0.190
CGS-23-4	0.179	0.184	0.179	0.186	0.179	0.178	0.188	0.186	0.189	0.188	0.172	0.166	0.179	0.203	0.190
CGS-23-5	0.176	0.187	0.179	0.188	0.176	0.182	0.184	0.187	0.184	0.177	0.172	0.175	0.184	0.200	0.190
CGS-23-6	0.180	0.186	0.180	0.189	0.176	0.176	0.184	0.186	0.178	0.188	0.175	0.175	0.182	0.195	0.180
CGS-23-7	0.187	0.19	0.182	0.185	0.180	0.175	0.185	0.186	0.184	0.183	0.173	0.179	0.181	0.206	0.180
CGS-23-8	0.179	0.184	0.182	0.186	0.179	0.177	0.184	0.187	0.184	0.172	0.180	0.175	0.176	0.200	0.180
CGS-23-9	0.172	0.186	0.179	0.187	0.179	0.177	0.186	0.185	0.186	0.178	0.180	0.165	0.183	0.202	0.190
CGS-23-10	0.178	0.186	0.181	0.186	0.182	0.177	0.185	0.187	0.190	0.184	0.175	0.182	0.184	0.196	0.190
Mean	0.179	0.187	0.180	0.187	0.178	0.177	0.186	0.186	0.184	0.182	0.175	0.172	0.178	0.202	0.187
Std. Dev.	0.004	0.002	0.001	0.001	0.002	0.002	0.002	0.001	0.004	0.007	0.003	0.007	0.007	0.005	0.005
%RSD	2.08	0.98	0.76	0.64	1.31	1.16	0.81	0.36	2.06	3.73	1.75	3.91	3.71	2.40	2.58

Note: **Au data from Labs 9 & 11 was removed for failing the “t” test.**
 Cu data from Labs 12 & 14 was removed for failing the “t” test.

STANDARD REFERENCE MATERIAL CDN-CGS-23

Participating Laboratories:

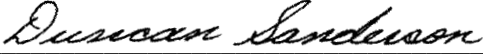
(not in same order as listed in table of results)

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Certified by


Duncan Sanderson, Certified Assayer of B.C.

Geochemist


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