884849

Schroeter, Tom EM:EX

TOS → Willa
LH

From: Schroeter, Tom EM:EX
Sent: Thursday, September 02, 2004 9:26 AM
To: XT:Chapman, John Leader Mining International Inc EAO:IN
Cc: Grieve, Dave A EM:EX
Subject: RE: LH rocks

Thanks for the update, John - sounds very interesting! Good luck; hope you get to drill the deep hole.

Tom
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-----Original Message-----
From: John A. Chapman [mailto:jacms1@sprynet.com]
Sent: Wednesday, September 01, 2004 8:23 AM
To: Bill Gilmour
Cc: Gordon Gibson; Stephen Phillips; David Makepeace; Ehasoo, Glen; Tim Whillans; Callum Grant; Ron Coombes; Gerald Carlson; Schroeter, Tom EM:EX; Cathro, Mike EM:EX
Subject: FW: LH rocks

Good Morning Bill,

These are most interesting results. This validates the somewhat disjointed copper, molybdenum, tungsten and gold anomalies in Congo Creek as being from an intrusive "porphyry" gold system similar to Fort Knox and Dublin Gulch.

It also adds some credibility to George Addie's comment that the LH is the "mother" of Willa. That is, the LH (Congo Creek Area) is possibly the "throat" of a stratovolcanoe and the immediately underlying intrusive is a porphyry gold enriched system similar to the Alaska and Yukon Tombstone suite. The associated metals molybdenum, copper, bismuth, tungsten are typical of a high temperature porphyry metal deposit emplacement. Tin was not included in present program analysis but my guess is that it also is elevated in the Congo Creek rocks.

Assuming that a good retrograde boiling event occurred at Congo Creek then there is a good chance that we will be looking at a large low-grade disseminated metallized body of rock that has been emplaced as stockwork in a "crackled" host rock. The veins and silicified zones at LH (low Mo, Cu, W and high As) in old known occurrences to the east are suggestive of distal low-temperature placement of gold and silver.

It is very possible that the Willa is a parasitic side event to the main volcanic center over Congo Creek and it in fact may have robbed some of the high pressure gas from the roof of the main intrusive by degassing as an explosive breccia during the retrograde boiling event. If this is the case then the quartz latite porphyry that BP Minerals and Rio Algom were chasing over the Willa deposit (before its discovery) for porphyry

molybdenum may have only been "sucker bait".

The above model theory adds even greater importance to the wildcat long-hole drilling proposed at LH as we must volumetrically randomly test the large volume of rock under Congo Creek looking for the vertical cylindrical porphyry gold enriched metal shell around the throat of the volcanic center. This model of course bodes well for a multi-million ounce gold deposit.

Stay tuned!!!

Cheers, John

-----Original Message-----
From: Bill Gilmour [mailto:discover@junction.net]
Sent: August 31, 2004 7:36 PM
To: Chapman, John; David Makepeace; Phillips, Steven; Tilsley, Rob
Subject: LH rocks

Some samples from Congo Creek area.

The highlighted samples show a Au-Cu-Mo-W-Bi correlation - indicates 'intrusive Au' mineralization.

Bill

Willa/LH Surface Exploration 2004
Rock Samples

	ELEMENT SAMPLES	Au ppb	Cu ppm	Ag ppm	Mo ppm	Fe %	W ppm	Bi ppm	Pb ppm	Zn ppm	Cd ppm	As ppm
A403342	P1-19	31	341	2.9	17	16.61	3.3	2.1	3.3	22	0.2	9.6
A403342	P1-20	10	64	0.4	24	1.53	8.8	3.1	2.8	6	0.1	1.5
A403342	P1-21	383	219	0.7	15	4.62	13.2	9.3	2.7	20	0.1	4.7
A404723	E 189977	25	412	0.6	28	5.14	15.7	4.0	1.7	30	0.1	6.2
A404723	E 189978	187	208	0.3	376	3.39	0.9	15.0	1.4	34	<0.1	1.5
A404723	149104	851	1875	3.0	8	12.39	>100.0	61.2	1.9	8	0.2	0.9
A404723	149105	1487	436	1.6	297	4.94	63.2	70.4	12.0	24	0.1	3.6
A404723	149106	1164	3122	4.6	424	10.75	4.7	45.3	4.7	15	0.6	<0.5
A404723	149107	907	257	6.4	5	5.74	67.9	189.2	63.0	5	0.5	3.7
A404723	149108	5234	987	1.5	1	8.92	9.0	67.3	2.7	15	0.2	11.6
A404723	149109	245	363	1.4	1	3.28	1.7	4.3	3.0	9	0.1	18.5
A404723	149110	32	674	1.1	2	9.45	0.8	7.0	2.6	26	0.2	1.8
A404723	149111	28	92	0.2	31	2.04	0.8	1.9	2.7	6	<0.1	1.0
A404723	149112	14	189	0.3	83	3.94	1.3	0.9	2.0	10	<0.1	<0.5
A404723	149113	52	166	0.6	32	8.60	0.9	6.9	3.9	19	<0.1	0.8
A404723	149114	125	293	0.5	2	6.58	1.8	19.7	1.2	6	0.1	8.0
	Duplicate pulp											
A404723	149112	14	189	0.3	83	3.94	1.3	0.9	2.0	10	<0.1	<0.5
A404723	RE 149112	12	182	0.3	84	3.92	1.4	0.8	2.0	10	<0.1	0.5
	Standards											
A403342	STANDARD DS5	45	140	0.3	13	3.01	5.0	6.5	25.5	131	5.9	17.7
A404723	STANDARD DS5	44	143	0.3	12	2.94	5.1	5.9	25.3	133	5.3	17.8
	Lab blanks											
A403342	SI	1	<1	<0.1	<1	0.02	<0.1	<0.1	0.2	<1	<0.1	<0.1
A404723	SI	<1	1	<0.1	<1	0.06	<0.1	<0.1	1.7	1	<0.1	<0.5

W.R. Gilmour, P.Geo.
Discovery Consultants
August 31, 2004

Sb ppm	S %	Se ppm	Hg ppm	Ni ppm	Cr ppm	Co ppm	Mn ppm	Mg %	Ca %	Sr ppm	Ba ppm	K %	Al %	Na %	P %
0.3	7.76	45.5	0.01	194	82.1	115	100	0.41	0.02	3	10	0.04	0.48	0.007	0.025
0.1	0.34	2.6	<0.01	6	2.9	7	52	0.12	0.26	18	12	0.06	0.26	0.041	0.113
0.2	2.55	8.2	0.01	62	70.2	33	156	0.56	0.32	5	27	0.19	0.44	0.016	0.085
0.2	2.09	14.3	<0.01	129	206.7	56	430	1.01	1.51	22	5	0.25	1.45	0.168	0.145
0.1	0.96	4.5	<0.01	117	221.7	29	291	1.32	0.56	13	37	0.75	1.19	0.055	0.107
0.2	6.61	23.4	<0.01	281	4.5	76	155	0.18	0.35	29	2	0.01	0.07	0.002	0.001
1.2	2.82	10.2	0.01	149	39.1	81	149	0.30	0.48	15	12	0.10	0.18	0.009	0.020
0.5	5.57	27.2	0.01	232	27.7	739	114	0.24	0.25	3	5	0.06	0.13	0.008	0.043
2.7	2.97	11.7	0.02	186	11.4	46	112	0.07	0.06	3	1	<0.01	0.03	0.002	0.001
0.7	5.49	7.4	0.01	205	126.3	94	187	0.28	0.35	8	15	0.11	0.41	0.032	0.093
2.9	1.18	5.0	<0.01	47	48.5	39	131	0.26	0.88	65	8	0.10	1.10	0.186	0.070
0.2	5.13	9.7	<0.01	208	147.9	92	201	0.70	1.25	79	22	0.44	1.80	0.166	0.115
0.2	0.17	1.3	<0.01	17	24.4	6	120	0.22	0.74	7	6	0.05	0.67	0.022	0.052
0.5	1.91	6.0	0.06	62	25.0	31	105	0.46	0.68	22	20	0.05	0.52	0.067	0.106
0.3	0.44	13.9	0.01	12	145.7	10	185	0.66	0.39	19	38	0.24	1.09	0.041	0.103
0.7	3.16	5.8	<0.01	220	91.4	99	116	0.35	0.63	14	5	0.05	0.44	0.046	0.094
0.5	1.91	6.0	0.06	62	25.0	31	105	0.46	0.68	22	20	0.05	0.52	0.067	0.106
0.5	1.82	5.6	0.05	61	26.0	30	112	0.46	0.69	22	20	0.05	0.54	0.061	0.104
4.0	0.01	4.8	0.18	23	182.0	12	790	0.68	0.72	45	135	0.14	1.94	0.032	0.096
3.7	<0.05	4.5	0.17	24	177.8	12	736	0.67	0.73	45	137	0.14	2.00	0.032	0.090
<0.1	0.04	<0.1	<0.01	<1	<0.5	<1	1	<0.01	0.09	2	2	<0.01	0.01	0.411	<0.001
<0.1	0.12	<0.5	<0.01	6	2.7	0	8	0.07	0.19	5	5	0.01	0.01	0.954	<0.001

U ppm	Th ppm	V ppm	La ppm	Ti %	B ppm	Sc ppm	Tl ppm	Ga ppm
0.1	0.4	93	1	0.043	<1	6.9	0.1	3
0.4	3.3	30	11	0.071	<1	1.9	0.0	2
0.4	0.9	137	3	0.102	<1	7.5	0.1	3
0.2	0.1	90	1	0.124	1	8.4	0.1	5
0.3	0.3	107	2	0.152	1	2.9	0.4	6
<0.1	<0.1	15	<1	0.001	<1	0.9	0.1	1
0.1	0.2	19	1	0.031	<1	0.8	0.1	1
0.1	0.2	26	1	0.041	<1	0.8	0.2	1
<0.1	<0.1	4	<1	0.001	<1	0.1	<0.1	1
0.2	0.2	100	2	0.122	<1	8.4	0.1	2
0.2	0.1	39	1	0.097	2	3.1	0.2	2
0.3	0.2	83	3	0.124	1	1.6	0.3	5
0.2	0.3	25	1	0.047	2	1.2	0.1	2
0.5	0.9	46	4	0.117	<1	2.5	0.1	2
0.3	0.6	150	3	0.210	<1	5.1	0.4	8
0.2	0.3	38	2	0.067	<1	3.6	<0.1	1
0.5	0.9	46	4	0.117	<1	2.5	0.1	2
0.5	0.9	51	4	0.132	<1	2.9	0.1	2
6.3	2.7	58	11	0.093	16	3.3	1.1	7
5.8	2.7	60	12	0.097	18	3.4	1.0	6
<0.1	<0.1	<1	<1	<0.001	<1	<0.1	<0.1	<1
<0.1	<0.1	<1	<1	<0.001	1	<0.1	<0.1	<1