

2011 GEOCHEMISTRY HIGHLIGHT RESULTS - Fieldwork

Table A, list elements showing mean, median and standard deviation developed internally at Silver Mountain Mines Inc. The data is based on 97 rock samples, 35 silt samples and 376 soil analyses.

Table A						
Soils – 376 Samples						
Element	min value	max value	mean	Median	Standard Dev.	Suggested cut off
Ag ppm	0	1760	7.42	0.32	91.4	>5
Au ppb	0	7270	49	8	408	>100
Bi ppm	0	235	2.72	0.59	14.67	>20
Sb ppm	0	5820	48.57	7.8	354	>300
Ba ppm	0	2080	268	153	296	>1000
Zn ppm	0	15,800	183	62	1051	>500
Pb ppm	0	10,000	222	47.3	930	>300
Cu ppm	0	1060	72	50.1	95.4	>200
As ppm	0	7270	49	8	323	
Rocks - 97 Samples						
Element	min value	max value	mean	Median	Standard Dev.	Suggested cut off
Ag(g/t)	0	1560	70.8	0.89	267	5 g/t
Au (ppm)	0	19.6	0.28	0.007	2.0	>0.3ppm
Sb %	0	1.93	0.066	0.001	0.243	>0.1%
Pb %	0	1.0	0.053	0.004	0.15	>0.1%
Zn %	0	19	0.39	0.003	2.42	>0.1%
Cu %	0	1.0	0.069	0.007	0.16	>0.1%
As %	0	4.0	0.085	0.002	0.428	
Silts – Samples 35						
Element	min value	max value	mean	Median	Standard Dev.	Suggested cut off
Ag ppm	0.05	4.19	0.68	0.2	1.12	>0.5ppm
Pb ppm	0	1040	176.6	69.7	243.1	>300ppm
Au ppb	0	237	25.0	15.0	41.0	>100ppb
Cu ppm	0.004	90.6	40.19	38.2	26.85	>100ppm
Zn ppm	0	354	70.37	56.0	86.26	>300ppm
Sb	0	53.1	7.57	2.14	12.77	>>100ppm

TABLES 1, 2, 3 BELOW ARE EXPLORATION SAMPLING RESULTS FOR MAJOR ELEMENTS.

Table 1, ROCK HIGHLIGHTS

Sample #	Description	Ag (g/t)	Cu (%)	Fe (%)	Pb (%)	Zn (%)	Au (ppm)
528202	Black host rock with qtz veinlets; has small flakes of grey sulfides, float;	10	0.015	14.8	0.001	0.001	0.004
528212	schistose dolomite with abundant malachite staining on surface and pyrite along foliation; float	0.33	0.376	2.5	0	0.001	0.005
528214	light brown dolomite with abundant azurite and malachite growth around possibly tetrahedrite; float	24.3	0.098	4	0.585	0.005	0.006
528216	Heavy iron staining and abundant malachite and azurite staining within dolomite; float	8.4	0.122	1.84	0.025	0.009	0.036
528218		2.6	0.021	6.12	0.027	0.173	0.010
528229		430	0.401	1.14	0.398	0.11	0.109
528230	>15% Fe; >1% Mn	8.27	0.022	15	0.288	0.006	0.365
528231	>15% Fe; >1% Mn	5.02	0.000	15	0.619	0.006	0.021
528233	>5% S; >1% Sb	990	0.299	13.8	0.05	0.011	0.432
528234	Iron Cap adit #3; >15% Fe	56.6	0.029	3.11	0.05	0.007	0.034
528241		40.7	0.086	14.8	0.002	0	19.6
528242		37.8	0.008	1.56	0.001	0	0.576
528243	chip samples collected from inside Iron Cap adit	9.7	0.013	2	0	0	0.176
528244	chip samples collected from inside Iron Cap adit; >1% As	147	0.015	3.22	0.007	0	0.44
528246	>1% As; north of Ptarmigan adit	1400	0.05	13.4	0.004	0	3.05
528247	>5%S;	1290	0.435	2	0.047	19	0.082
528248	>5% S	1560	0.121	1.34	0.047	14.9	0.254
528251		13.5	0.006	9.13	1.0	0.005	0.007
528252		7.76	0.153	1.23	0.001	0.007	0.044
528302	Dark green schist with stockwork quartz veining; float	0.91	0.207	4.52	0.008	0.001	0.008
528306	Quartz vein in o/c.	2.84	0.186	3.04	0.002	0.002	0.007
528318	Quartz vein with pyrite and sericite; float.	107	0.165	9.48	0.019	0.029	0.053
528322	Oxidized vein in Mt. Nelson dolostone with a 40 degree dip to the west; >1.0% Cu	248	0.96	5.97	1.85	0.061	1.24
528329	Highly silicified rock (float) with malachite staining and tetrahedrite veins.	0.74	0.872	1.81	0.019	0.001	0.001
528332	Float from landslide, highly weathered, grotty (?) texture with sulfides	0.39	0.001	15	0.007	0.025	0.009
528334	Dolostone veins in schistose rock	0.07	0.003	10	0.004	0.004	0.004
528337	Massive sulfides in silicified dolostone	0.35	0.002	2.92	0.083	0.33	0.013
528340	Sulfide bearing silicified rock with azurite and malachite staining	28.7	0.358	2.14	0.002	0.059	0.032
528356	Quartzite float with Cu stain, minor py.	2.77	0.119	1.25	0.002	0.006	0.012
528367	1m composite grab from qtz arenite (o/c) with diss py; east from Iron cap workings	16.8	0.006	3.36	0.228	0.001	0.037

Sample #	Description	Ag (g/t)	Cu (%)	Fe (%)	Pb (%)	Zn (%)	Au (ppm)
528368	comp grab over 2.5m, sulfide rich quartz arenite (Dutch Creek Fm ?); east from iron Cap workings	280	0.062	3.47	0.014	0.006	0.074
528371	oxidized dolostone with white stain	2.18	0.009	11.1	0.143	0.586	0.004
528373	strongly oxidized dolostone 4m east from short adit; north of Horsethief Creek	4.77	0.008	13.9	0.131	0.355	0.009
528378		5.13	0.001	2.12	0.094	10.5	0.006
528380	Large siliceous float boulder on the edge of main MacDonald Creek FSR with sericite, minor py.	43.5	0.009	0.6	0.052	0.109	0.01
14053	Oxidized quartzite with pyrite; continuous with sample 14052; 0.6m sample width.	1.01	0.014	11.2	0.004	0.004	0.004
14054	Interbedded dolostone and minor fracture with tr pyrite; northeast of Seel showing	14.1	0.01	4.76	0.054	0.469	0.004
14055	Upper Ptarmigan Basin; malachite exposed in dolostone at edge of argillite o/c.	8.24	0.416	3.74	0.001	0.024	0.027
14056	Upper Ptarmigan basin; dolostone intermixed with argillite with tetrahedrite & galena & pyrite; near T1 area; > 1% Mn.	19.8	0.013	13.2	0.597	0.728	0.025

Table 2, SILTS HIGHLIGHTS

Sample	Description	Ag ppm	Cu ppm	Fe %	Pb ppm	Zn ppm	Au ppb
528219	Silt sample from Redline Ck	1.19	59.4	3.33	77.6	56	237
528220	Silt sample	3.2	68.8	3.79	97.8	60	15
528221	Silt sample, Redline creek	3.37	76.3	3.88	112.0	56	25
528222	Silt sample, Redline creek	3.88	81.3	4.17	97.6	57	19
528223	Silt sample, Redline creek	4.19	85	4.11	153.0	52	35
528330	Silt sample, Iron Cap area	0.58	48	3.54	241.0	57	11
528331	Silt sample, Iron cap area	0.49	6	44.1	710.0	6.2	96
528333	Silt sample	0.75	39	3.1	106.0	66	5
528347	Silt sample, Law Creek area	0.29	34.7	3.07	480.0	334	6
528353	silt sample	0.325	4	65.8	430.0	2.8	52
528354	silt sample	0.26	8	30.4	580.0	5.4	23
528355	silt sample	0.195	8	24.9	540.0	5.3	57
528359	silt sample	0.22	9	18.6	570.0	5.3	33
528364	silt sample	0.3	35.5	2.98	1040.0	334	5
528366	silt sample	1.59	45.2	2.81	198.0	73	5
528375	silt	0.05	6.4	2.36	69.7	354.0	14

Table 3, SOILS HIGHLIGHTS

Sample #	Ag (g/t)	Ba ppm	Cu ppm	Fe %	Pb ppm	Sb ppm	Zn ppm	Au ppb
AL-01	1.69	283	76.10	5.01	324.0	27.5	61	5
AL-07	0.01	1230	116.00	3.03	72.8	8.9	87	5
AL-14	0.01	459	582.00	1.10	1.6	43.1	14	5
AL-15	198.00	412	62.10	3.12	656	1190.0	41	2050
AL-16	18.90	676	73.80	8.40	4510	668.0	66	439
AL-17	10.00	130	69.60	3.95	172.0	81.1	79	107
AL-22	10.00	16	154.00	14.80	10000	6.0	10000	5
AL-23	5.56	64	58.20	3.42	53.7	36.6	38	40
AL-25	38.00	283	216.00	4.65	72.1	231.0	45	238
AL-26	6.80	6	108.00	3.56	45.3	63.1	25	99
AL-27	96.40	103	983.00	7.56	243.0	323.0	201	138
AL-28	14.70	261	91.60	3.90	69.6	91.9	68	95
AL-29	0.18	35	6.10	2.80	4.5	6.0	6	201
AL-30	57.60	249	197.00	4.70	54.6	377.0	50	391
AL-33	0.01	1070	34.60	2.98	31.3	11.5	31	15
AL-37	0.01	1220	35.30	2.59	37.1	20.0	45	7
AL-38	0.01	912	32.40	2.43	41.5	14.5	48	5
AL-42	0.01	1070	42.40	2.43	61.2	8.3	57	5
AL-43	3.18	530	57.20	2.76	615.0	23.8	522	5
AL-44	0.01	2080	34.20	2.24	37.2	23.8	62	10
AL-46	0.01	1190	41.50	2.63	31.7	11.3	49	8
AL-48	1.48	1370	53.30	3.26	304.0	24.4	424	5
AL-54	0.01	1200	23.60	3.16	10.5	4.5	25	8
AL-58	0.01	165	187.00	6.00	662.0	124.0	375	17
AL-61	0.59	1150	253.00	9.26	24.3	18.2	131	42
AL-70	0.38	1000	79.90	6.92	33.4	10.9	50	13
AL-85	0.52	896	275.00	5.02	24.3	3.6	92	11
AL-87	2.13	303	454.00	8.01	317.0	44.7	667	183
AL-90	0.33	137	29.00	3.15	306.0	9.5	73	13
AL-93	0.39	284	62.00	2.59	320.0	33.3	112	6
AL-94	0.46	217	51.80	3.16	354.0	13.8	254	5
AL-95	0.47	578	126.00	3.74	343.0	36.8	111	21
AL-99	0.46	1410	85.70	3.00	210.0	37.7	56	7
AL-105	0.62	670	243.00	3.85	520.0	10.7	48	17
AL-106	1760.00	51	279.00	3.65	90.3	5820.0	6	7270
AL-107	15.50	129	297.00	6.15	68.5	99.4	94	51
AL-108	33.20	240	101.00	4.75	107.0	159.0	72	151
Bw15	1.77	1170	45.50	2.75	178.0	12.9	162	8

Sample #	Ag (g/t)	Ba ppm	Cu ppm	Fe %	Pb ppm	Sb ppm	Zn ppm	Au ppb
Bw18	0.22	1520	154.00	2.92	50.6	5.8	37	10
Bw42	0.39	140	33.30	3.15	390.0	12.5	99	6
Bw43	0.45	220	42.50	3.37	552.0	16.6	102	5
Bw49	0.44	796	68.60	3.44	379.0	22.7	91	10
Bw83	1.65	342	222.00	4.96	135.0	24.9	260	126
Bw85S	0.25	24	75.00	2.99	530.0	0.1	44	9
bw91S	0.20	1060	45.60	2.97	35.8	5.5	44	6
Bw117S	1.03	89	21.30	2.13	60.5	6.9	68	108
Bw119S	19.60	96	205.00	3.44	680.0	164.0	81	15
Bw120S	48.60	141	527.00	5.64	3230.0	667.0	247	167
Bw121S	3.63	66	25.60	4.70	779.0	33.6	48	32
Bw122S	5.48	53	24.00	4.02	1280.0	20.7	47	22
Bw123	2.71	91	12.70	4.67	707.0	18.9	39	16
Bw124S	13.00	116	73.30	4.59	1980.0	69.1	210	7
Bw132S	8.17	146	147.00	4.69	164.0	71.3	81	9
Bw134S	1.84	106	32.10	4.18	342.0	16.8	64	11
Bw137S	54.60	153	319.00	11.60	514.0	3330.0	331	175
Bw138S	15.70	155	132.00	7.64	5270.0	663.0	140	35
Bw139s	1.73	99	62.00	4.68	303.0	30.7	59	6
BW 166	16.50	160	210.00	6.72	2720.0	79.1	1760	11
BW 168	69.60	108	111.00	7.04	10000.0	76.0	15800	16
BW 169	4.70	269	126.00	5.15	1440.0	145.0	880	5
BP-33	1.98	70	52.80	4.68	371.0	17.8	564	23
264	3.15	0	0.00	15.00	0.0	0.0	0	4
WP-266	5.32	0	0.10	4.39	0.0	0.0	0	0
268	4.29	0	0.14	15.00	0.0	0.0	0	2360
SF-01s	1.62	114	202.00	4.96	189.0	13.5	155	9
SF-02s	0.64	109	280.00	6.65	60.3	5.3	80	21
SF102	0.78	32	1060.00	0.01	16.8	0.1	0	73
LL-003	25.30	237	378.00	6.69	998.0	4.0	118	68
LL-006	3.70	243	165.00	2.79	434.0	83.0	234	12