



MATSA

R E S O U R C E S

LIMITED

ABN 48 106 732 487

ASX Announcement

15 September 2011

Significant New 7.5km Gold Anomaly Discovered at the Norseman Gold Project

- **Highly anomalous soil geochemical results with gold values up to 0.9g/t Au**
- **Strike extent of the anomaly totals 7.5km**
- **Highly prospective geological location extending south from the Abbotshall Mine**
- **Anomalous gold values are supported by coincident precious metal indicator elements such as As, Cu, Ag, Mo, Sb and Te**
- **Follow up sampling, mapping, trenching and drilling planned for late 2011-2012**

Matsa Resources Limited, (ASX:MAT, the “Company” or “Matsa”) is pleased to announce the results of a soil geochemical sampling program recently carried out at its’ Norseman Gold Project.

During the second and third quarters of 2011 Matsa undertook a regional soil and auger sampling program within the Company’s Norseman Gold Project. A total of 1,076 samples were taken and assayed for a suite of 54 elements including gold (Table 2). A total of 705 sample results have been received so far.

Results have identified a significant anomaly extending at least 7.5km along strike south of the historic Abbotshall open pit. The results are based on a reconnaissance sampling pattern of around 200metres x 200metres. Infill sampling will be required to better define the anomaly for drilling.

CORPORATE SUMMARY

Executive Chairman

Paul Poli

Executive Director

Frank Sibbel

Director & Company Secretary

Andrew Chapman

Shares on Issue

127.2 million

Unlisted Options

20.43 million @ 27.3c +

Top 20 shareholders

Hold 59%

Share Price on 14 Sept 2011

22 cents

Market Capitalisation

\$28 million

The highest ranked regional soil anomaly can be divided up into 3 targets, (Figure 1);

- Target 1 – Gold, arsenic, copper, silver, molybdenum, antimony and tellurium.
- Target 2 – Gold, arsenic and copper,
- Target 3 – Gold only.

A number of lower ranked, gold anomalies were also identified by the survey (Figure 1).

The Abbotshall mine has an endowment of 42,000oz and is stratigraphically situated in an intensely sheared package of mixed mafic and felsic volcanic rocks termed the Abbotshall Beds. The Abbotshall deposit is a shear hosted deposit with the thickest and highest grade gold mineralisation associated with steeply plunging shoots within the shear zone. A total of 5,600t of ore @ 8g/t was mined from Abbotshall prior to 1984. A further 136,000t @ 2.5g/t was mined in 1997. The mineralisation at Abbotshall remains open at depth.

Targets 1, 2 and 3 are aligned along the same mapped shear zone and stratigraphy that hosts the Abbotshall deposit. Matsa is confident that the soil geochemical anomaly reflects additional shear hosted Abbotshall style gold mineralisation along this structure.

Previous exploration in the area has been ineffective. Air-core drilling over target number 3 is wide spaced and very shallow, only 10 – 12 metres deep and does not penetrate bedrock. There has been no effective previous drilling in the higher ranked target 2 and 3 areas. Accordingly Matsa considers this soil gold anomaly to be a significant new discovery given its proximity to the Mt Henry, Selene and North Scotia gold deposits. (Table 1)

Mr Paul Poli said *“The timing of this geochemical discovery is exactly the tonic required to whet the appetite of the potential Chinese investors, who are currently undertaking a detailed project review. Discussions to date have been positive and if we are able to demonstrate the potential for further discoveries, it will make the project more attractive to them. This discovery demonstrates the regional prospectivity of the project area and the potential for further new discoveries to add to our existing resource base of 1.5Moz.”*

Matsa Resources plans to follow up these highly positive results with infill sampling, geological mapping, trenching and drilling in the remainder of 2011 and into 2012, subject to environmental approvals.

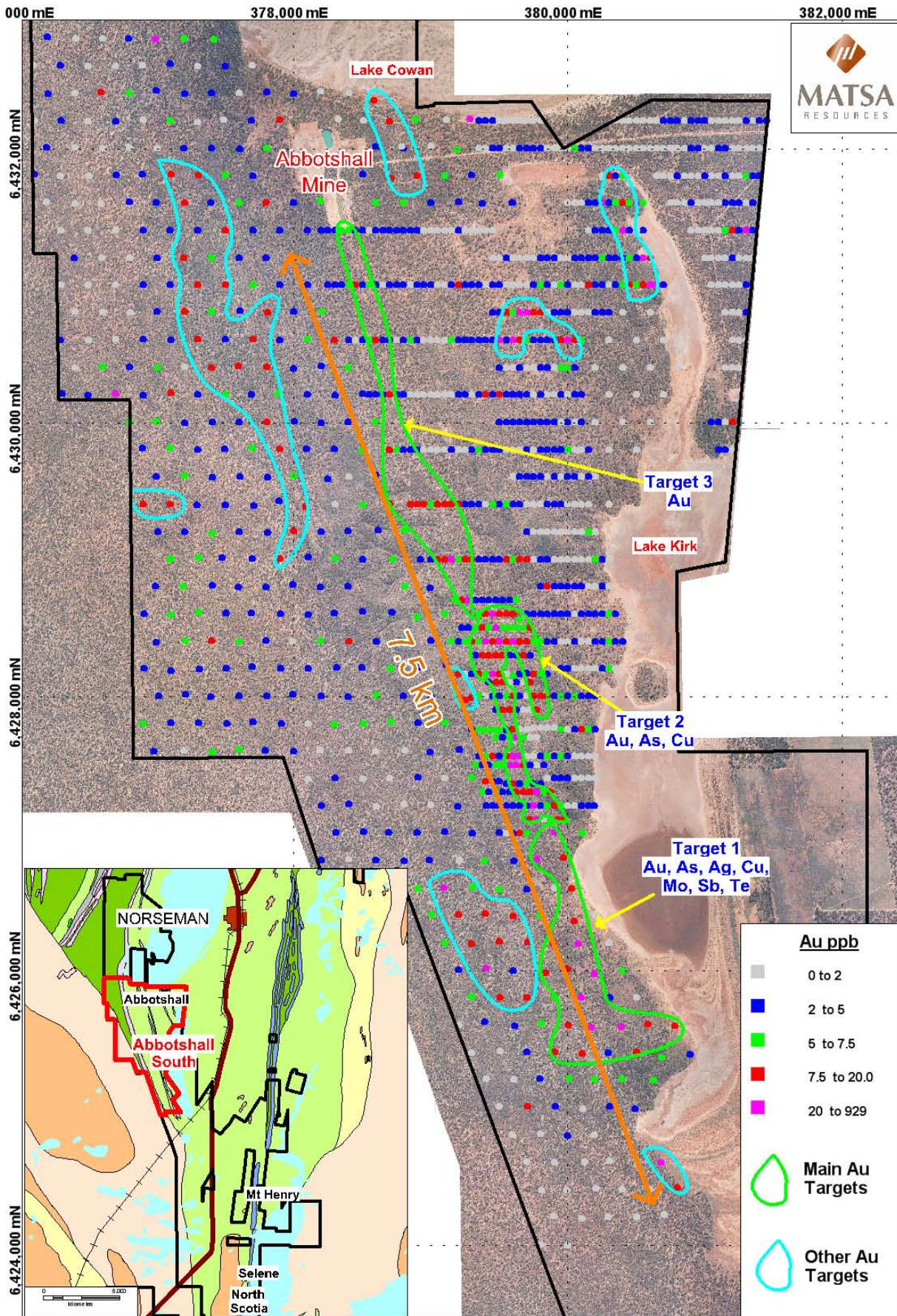


Figure 1 – Gold Anomalies from Soil Sampling Program

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'Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves'

Exploration results

The information in this report that relates to Exploration Results, is based on information compiled by David Fielding, who is a Fellow of the Australasian Institute of Mining and Metallurgy. David Fielding is a full time employee of Matsa Resources Limited. David Fielding has sufficient experience which is relevant to the style of mineralisation and the type of ore deposit under consideration and the activity which he is undertaking to qualify as a Competent Person as defined in the 2004 Edition of the 'Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves. David Fielding consents to the inclusion in the report of the matters based on his information in the form and context in which it appears.

Mineral resources and reserves

The information in this report that relates to mineral resources and reserves, is based on information compiled by Richard Breyley, who is a member of the Australasian Institute of Mining and Metallurgy. Richard Breyley is a full time employee of Matsa Resources Limited. Richard Breyley has sufficient experience which is relevant to the style of mineralisation and the type of ore deposit under consideration and the activity which he is undertaking to qualify as a Competent Person as defined in the 2004 Edition of the 'Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves. Richard Breyley consents to the inclusion in the report of the matters based on his information in the form and context in which it appears.

BACKGROUND

Matsa is an ASX listed exploration and development company based in Western Australia. The Corporate office is located in Perth with offices in Kalgoorlie and Bangkok, Thailand.

The Company aims to increase shareholder wealth through the discovery and development of mineral properties including gold iron ore and copper within Australia and South East Asia.

Matsa is committed to developing its Norseman Gold Project and associated magnetite by-product to generate cash flow for shareholder benefit.

Norseman Gold Project Resources			
(>1g/t Au)			
	Tonnes	Grade	Ounces
	(Million)	(g/t)	
Indicated			
Mt Henry	5.6	1.9	350,000
Selene	11.8	1.6	600,000
North Scotia	0.2	5.2	36,000
Total	17.6	1.8	990,000
Inferred			
Mt Henry	4.9	1.8	280,000
Selene	3.1	1.4	140,000
North Scotia	0.3	2.2	24,000
Abbotshall	0.5	2.0	30,000
Total	8.9	1.7	480,000
Grand Total	26.5	1.7	1,470,000

Table 1 - Norseman Gold Project Resources

- 1) All Resources are reported to a lower cut-off grade of 1.0g/t.
- 2) Rounding, conforming with the JORC code may cause computational errors.

Matsa Resources Limited – September 2011

Table 2 – Soil Geochemistry Summary Statistics

Element_Units	Count_n	Minimum	Maximum	Median	Range	Variance	StandardDeviation	Percentile75	Percentile90	Percentile95
Au_ppb	705	0.25	928	4	927.75	1309.17	36.1825	7	9	12
Ag_ppm	705	0.005	0.14	0.02	0.135	0.000277	0.016656	0.03	0.04	0.05
Al_pct	705	0.59	4.79	2.42	4.2	0.465888	0.68256	2.86	3.29	3.592
As_ppm	705	0.05	1180	5.8	1179.95	2822.64	53.1285	12.5	32.44	56.4
Ba_ppm	705	20	210	50	190	313.497	17.7059	60	70	81
Bi_ppm	705	0.03	0.86	0.12	0.83	0.004401	0.066342	0.15	0.2	0.22
Ca_pct	705	0.04	16.75	4.95	16.71	12.2748	3.50354	7.64	10.05	11.7
Cd_ppm	705	0.005	0.19	0.04	0.185	0.000428	0.02068	0.05	0.07	0.07
Co_ppm	705	2.2	80.8	13.4	78.6	87.0667	9.33095	18.85	24.8	31.9
Cr_ppm	705	30	4020	113	3990	91710.5	302.837	165	362	755
Cu_ppm	705	3.2	350	45.8	346.8	872.257	29.534	62.8	81.54	92.38
Fe_pct	705	0.8	18.65	2.7	17.85	4.68807	2.16519	4.13	6.554	7.752
Ga_ppm	705	1.27	15.6	5.86	14.33	3.90497	1.9761	7.185	8.504	9.713
Hg_ppm	705	0.005	0.15	0.02	0.145	0.000464	0.021551	0.03	0.05	0.071
K_pct	705	0.03	1.19	0.48	1.16	0.043142	0.207706	0.64	0.76	0.83
Li_ppm	705	2.6	34.2	10.8	31.6	23.4355	4.84102	13.85	17.42	20.92
Mg_pct	705	0.07	5.88	1.16	5.81	1.0841	1.0412	1.97	2.85	3.273
Mn_ppm	705	54	4970	453	4916	117868.5	343.32	650	867.4	1010
Mo_ppm	705	0.05	2	0.23	1.95	0.133713	0.365668	0.45	1	1
Na_pct	705	0.01	0.88	0.15	0.87	0.034406	0.185488	0.35	0.51	0.571
Ni_ppm	705	6.5	616	54	609.5	5089.88	71.3434	74.25	133.9	233.1
P_ppm	705	20	280	90	260	1744.34	41.7653	120	150	180
Pb_ppm	705	1	18	6.1	17	8.84226	2.97359	8.3	10.94	12.3
Pd_ppb	705	0.5	448	3	447.5	1035.54	32.1798	8	18	35.1
Pt_ppb	705	2.5	442	2.5	439.5	424.048	20.5924	6	11	15.1
S_pct	705	0.005	1.05	0.04	1.045	0.010396	0.101961	0.08	0.12	0.15
Sb_ppm	705	0.01	2.86	0.17	2.85	0.13365	0.365582	0.36	0.8	1.04
Se_ppm	705	0.1	2.6	0.5	2.5	0.173436	0.416457	0.8	1.14	1.4
Sn_ppm	705	0.2	1.6	0.6	1.4	0.049192	0.221793	0.7	0.9	1.1
Te_ppm	705	0.005	1.69	0.04	1.685	0.069802	0.2642	0.2	0.474	0.724
Th_ppm	705	0.7	13.2	3.8	12.5	3.59774	1.89677	5.2	6.62	7.71
Tl_ppm	705	0.02	1.08	0.11	1.06	0.004237	0.065095	0.13	0.17	0.19
U_ppm	705	0.07	9.36	0.42	9.29	0.702012	0.837861	0.71	1.162	1.843
Zn_ppm	705	3	124	29	121	202.657	14.2358	38	48	59