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STRONG GOLD ZONE IDENTIFIED BY SHIELD AT

SABOUSSIRI IN SOUTHERN MAURITANIA

Shield Mining Limited (ASX: SHX) is pleased to announce that it has identified a robust and strongly coherent gold mineralised zone at least one kilometre in length and up to 250 metres wide at its Saboussiri project in southern Mauritania.

The zone comprises gold-in-soil anomalies at the project's Toumbou prospect on which Shield undertook a followup 900 plus soil sampling program in March this year. This prospect was referred to as Yowgui in the previous press release dated 10th May, 2010. It has now been re-named Toumbou.

Values of +0.1ppm (100ppb) Au delineate the zone which includes 11 values above 0.5ppm Au and three values above 1ppm Au, topping out at a maximum value of 1.33ppm Au.

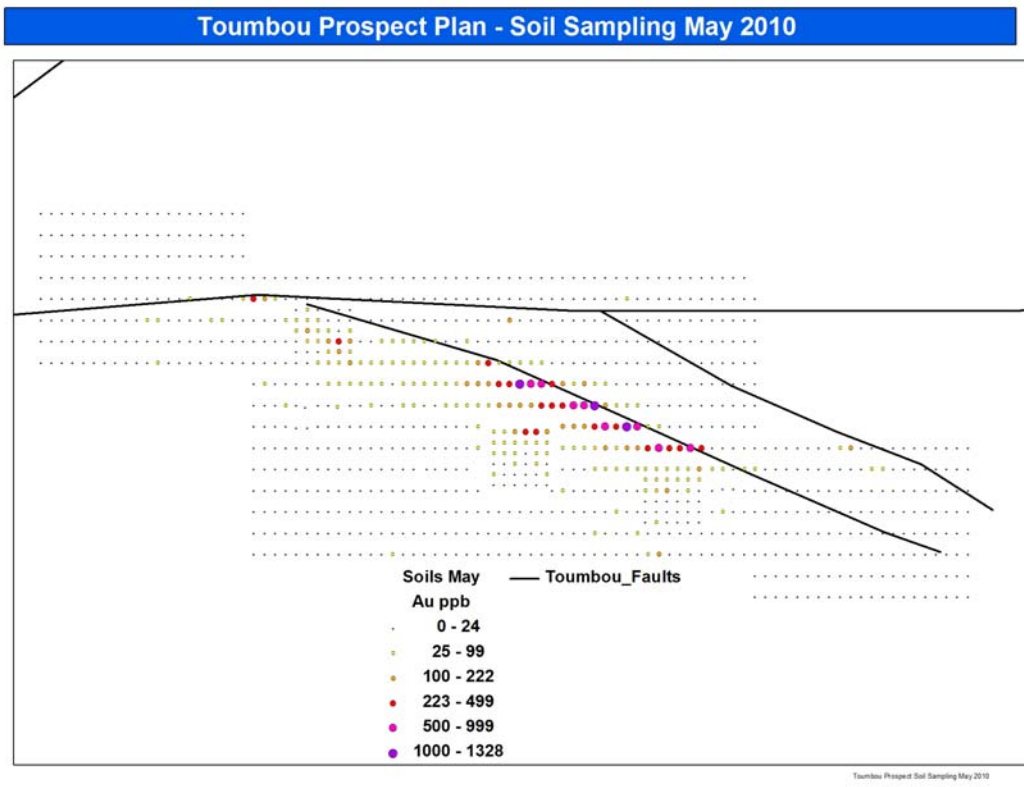
“These very promising results give us another geological target at Saboussiri to complement the Diaguili geophysical anomaly we have yet to drill.” Shield's Chief Executive Officer, Mr David Netherway, said today.

Toumbou was initially located from modest drainage and rock chip values identified during Shield's 2008 regional exploration program, leading to a followup 40m x 40m spaced soil sampling program over four small grids in March this year.

Results from this work delineated strong anomalies over three adjacent grids, prompting additional sampling over an extended area of 3.5kms x 1.5kms at a spacing of 40m x 80m, generating the results announced by the Company today.

The Company notes that the anomaly is coincident with an interpreted ESE trending fault which is a spur of a major E-W fault. A second, smaller, gold-in-soil anomaly is located at the junction of the spur and main faults.

Trenching is now planned across the zone when the 2010 field program resumes in December at the end of the rainy season.



Background

Saboussiri is located in the south of Mauritania close to the border with Senegal, with Shield holding a 60% interest under a joint venture with General Mining Services (GMS). It consists of two licence areas totalling 220km², EL879 of 187km² and EL236 of 33km². Shield announced a strong geophysical target on EL236 in 2008 and some strong coherent gold anomalies in May, 2010.

Soil samples were collected at sample spacings of 40m x 80m on a single grid. Material was taken from below the windblown sand and sieved on site to 75µ (-200 mesh). Sample size of sieved material was a nominal 75gm. Samples were airfreighted to Genalysis Laboratories in Perth. Gold analysis is by aqua regia digestion thence graphite furnace AAS detection on a 10gm charge (1ppb Au detection limit) (Genalysis B/ETA method). The soil samples were also analysed for a suite of 25 elements by ICP-OES following aqua regia digestion (Genalysis B/OES method). The element suite is: Ag, Al, As, Ba, Bi, Ca, Cd, Co, Cr, Cu, Fe, K, Mg, Mn, Mo, Ni, P, Pb, Sb, Sc, Sr, Te, Ti, V, Zn.

QAQC was implemented by taking 10% field duplicates and submitting to Ultra Trace Laboratories in Perth for a similar suite of elements and by similar methods.

The information in this Report that relates to exploration results is based on information compiled by Mr Phil Fillis who is a Fellow of the Australasian Institute of Mining and Metallurgy. Mr Fillis is a geologist consulting to the company, with over 30 years experience as a geologist. Mr Fillis has sufficient experience which is relevant to the style of mineralisation and type of deposit under consideration and to the activity for 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. Mr Fillis consents to the inclusion in the report of the matters based on his information in the form and context in which it is used.

Shield Mining Limited (ASX: SHX) is an Africa-focused gold and base metals explorer listed on the Australian Securities Exchange. Shield is active in Mauritania where it holds 100% of 2 and 60% of 2 exploration licences, covering a total area of 2,429km².

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