



AngloGold Ashanti Limited

(Incorporated in the Republic of South Africa \ Reg. No. 1944/017354/06)

ISIN No. ZAE000043485 – JSE share code: ANG \ CUSIP: 035128206 – NYSE share code: AU

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Q2 2010

BROWNFIELDS EXPLORATION UPDATE FOR THE SECOND QUARTER ENDED JUNE 30 2010

In **South Africa**, surface drilling continued in the Project Zaaiplaats area. MMB5 deflection 7 advanced to a depth of 2,867m. MZA9 continued drilling Deflection 23 and advanced 267.45m over the quarter. Delays were caused by a jammed core barrel but normal drilling has restarted. The long deflection from MGR6 did not advance due to the jammed core barrel reported last quarter. MGR8 progressed to 3,027m and a reef intersection is anticipated shortly.

In the Western Ultra Deep Levels area, UD51 was delayed after a section of rods stuck at a depth of 1135m. Preparations for the drilling of UD59 have begun.

At Obuasi in **Ghana**, 336m of drilling was completed above 50 level. Drilling re started on 50 level and 314m were drilled.

In **Argentina**, a total of 22 143m was drilled for the quarter. The seismic refraction survey continued with 17 460 line km being completed. At El Volcan mapping at a 1:25 000 scale continues. Following on the Helimag surveys a major anomaly of 14km length was detected.

In **Australia**, at Sunrise Dam, 24 633m of drilling was completed. This drilling was targeted at infilling and extend both surface and underground lodes. Underground targets included GQ, Cosmo, Dolly and extensions to all these bodies. Surface targets included the paleochannel, Golden Delicious and Sunrise North including Neville.

In **Brazil**, surface and underground drilling for oxide and sulphide ore at Corrego do Sitio, remains the primary focus with 74 488m of drilling and 2,52 of project development being completed. The Fe-Quad step change exploration project continued with exploration at Pari. A drill program has now been developed. At MSG, 13 653m of drilling was competed on the Cajueiro target. Regional exploration work continued on the Votorantim Metais areas.

In **Colombia**, at the La Colosa Project, permission was granted to restart drilling. Preparations are underway and drilling is scheduled to start in August 2010.

At Kibali in the **Democratic Republic of the Congo**, Drilling of the KCD Sessenge gap continued with results indicating significant upside. Reverse circulation drilling commenced at Memekazi and two easterly trending zones were defined. Soil sampling continued in Blocks 1, 2 and 3. A number of anomalies have been identified for follow up. A Spectrum airborne EM survey was completed and initial interpretations show some potentially significant new features.

For Mongbwalu, a total 8 651m of drilling was completed during the quarter. Drilling consisted of infill drilling, environmental investigations and geotechnical investigations.

At Siguiriri in **Guinea**, a total of 39 012m of drilling was completed. This drilling covered Mineral Resource definition, Mineral Resource delineation and sterilisation of oxide material. The following targets were drilled: Kozan, Bidini, Seguelen and Kalamagna.

In the fresh rock exploration program, drilling continued at Soloni, Kosise, Kami and Sintroko. Variable success is currently being experienced in this program.

Surface geochemical soil sampling continued in block 1.

At Geita in **Tanzania**, a total of 13 292m was drilling, primarily as infill in Nyankanga Block 1 and Nyankanga Cut's 9 and 5.

IP surveys were completed at Mgsu, Star and Commet, Kukuluma, Nyakabale, Bukolwa and Nyankumbu. Target consolidation was completed on Prospect 5 data. The plan is to review the top 20 targets by the end of 2010 with the aim of implementing follow up drilling plans for the five highest potential targets.

Surface mapping and re-interpretation of drill sections at Star and Comet Pit and extensions was completed during the month. The mapping confirmed the previous geological interpretation. The main mineralisation control is a sub-vertical fault zone striking north which splits in two in the northern part of the pit, additional mineralisation is situated on the contacts of the porphyries and banded iron units proximal to the faulting.

At Yatela and Sadiola in **Mali**, a total of 51 484m were drilled. This drilling consisted of infill drilling at Tambali, FE2, FN3, SEK SE, Yatela South, Yatela NE and Yatela main pit.

Gravity surveys were concluded at Mandakoto in the far south of the SEMOS permit and commenced east of FE4 pit.

Early stage exploration involved field mapping at Donguera, drilling the Alamoutala West potassium radiometric anomaly and planning for the Phase I exploration program at Satifara. Field mapping at Donguera has identified an exposure with visible gold.

Termite geochemical sampling identified a number of new targets for testing.

At Navachab in **Namibia**, a total of 9 148m, were drilled. Off mine drilling focused on the LS/LM contact mineralisation at Anomaly 16 Valley target as well as Gecko and Klipspringer.

On mine exploration drilling focused on the down plunge extension of the NP2 FW veins as well as the main pit FW vein down plunge extension. RC drilling was also completed at the EZ3 waste dump.

At Cripple Creek & Victor in the **United States**, drilling (8 230m) and studies continue to quantify the potential of the high grade Mineral Resource. The primary targets lie within the life of Mine Extension 2 pit design. Minor early stage drilling was also completed (3 658m).

ANGLOGOLD ASHANTI/DE BEERS JOINT VENTURE

A total of 933 samples were subjected to an initial leach and 20% returned positive mineralisation results. The leach results were then used to select samples for determination of gravity recoverable gold. This process is due to start early in the new quarter.

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