



[www.azumahresources.com.au](http://www.azumahresources.com.au)

**Investment Highlights:**

- 1.2Moz gold JORC Code reported Mineral Resource at Wa Gold Project, NW Ghana
- 100% of 3,100km<sup>2</sup> licences hosting over 150km of prospective Birimian greenstone belt. Less than 10% explored
- Feasibility Study underway for multi-pit 1.0Mtpa mining and gravity / CIL operation
- Large pipeline of drill-ready targets
- Aggressive multi-rig exploration programs focused on resource inventory increase
- Board and management team of successful explorers, mining and corporate professionals

**Issued Capital:**

214.40M ord. shares  
12.50M unlisted options

**Directors & Management:**

Chairman:  
Michael Atkins

Managing Director:  
Stephen Stone

Non-Executive Director:  
Geoff M Jones

Project Study Manager:  
Alan Thompson

Company Secretary:  
Dennis Wilkins

**Contact:**

Stephen Stone  
Mb: +61 (0) 418 804 564  
Tel: +61 (0)8 9486 7911  
[stone@azumahresources.com.au](mailto:stone@azumahresources.com.au)

# More growth at Wa Gold Project as Julie-Collette resource increases to 410,700 ounces

## *Further rise expected*

- ▶ Julie-Collette resource upgraded by 60,600oz after inclusion of Collette Mineral Resource
- ▶ Julie-Collette mineralisation open in all directions
- ▶ 85% of resource above 70m vertical depth
- ▶ Further resource upgrade for Julie-Collette expected on back of strong drilling results at Julie not included in latest estimation

Azumah Resources (ASX:AZM) is pleased to report that Mineral Resources in the Julie-Collette district within its Wa Gold Project in Ghana have increased by 60,600oz to 410,700oz (*Tables 1 and 2. Figures, 2 and 3*).

The latest figure includes drilling results from the Collette deposit but excludes recent strong drilling results from Julie that fall outside of the current resource block model. These are expected to underpin a further resource increase early next year.

Azumah Managing Director Stephen Stone said the latest Mineral Resource estimate highlighted the gold endowment of the Julie-Collette region and provides more evidence that the Wa Gold Project is well on track to establish a long term gold operation in Ghana's emerging north west gold province.

The Collette Inferred JORC Reported Mineral Resource estimate of 909,000t at 2.07g/t gold (1.0g/t gold cut off) was undertaken by Perth based independent geological consultants, CSA Global Pty Ltd. It was determined to a maximum depth of 120m with 85% of the resource occurring above 70m depth.

Mineralisation at Collette occurs within a complex of moderately dipping sheeted quartz veins within a persistent 4km east-west structural corridor hosted by Birimian sediments and remains open at depth and in all other directions.

Azumah intends to recommence drilling to expand the resources at Julie and Collette once the current seasonal rains have ceased in early October. Exploration in the area will benefit considerably from recently acquired high resolution aeromagnetic and radiometric survey data.

**Table 1: Collette Prospect: JORC Reported Mineral Resource Estimate**

Category	Cut-Off (Au g/t)	Tonnes	Grade (Au g/t)	Contained Ounces Au
Inferred	>1g/t	909,000	2.07	60,600

Azumah acquired the Julie, Collette and Josephine licences from Crew Gold Corporation ('Crew') 15 months ago. Following the recent satisfaction of all conditions precedent relating to the transfer of the licences to Azumah, the Company will shortly issue a second tranche of 6.0M new shares to Crew as final payment for the three licences.

**Contact:**

**Stephen Stone**  
**Managing Director**  
 Tel: +61 (0)418 804564  
 stone@azumahresources.com.au

**Paul Armstrong**  
**Read Corporate**  
 Tel: +61 (0)419 992 9046  
 paul@readcorporate.com.au

**Table 2: Wa Gold Project – Summary JORC Reported Mineral Resource Estimates By Prospect**

Prospect	Indicated			Inferred			Total		
	Tonnes	Grade g/t Gold	Contained Ounces Gold	Tonnes	Grade g/t Gold	Contained Ounces Gold	Tonnes	Grade g/t Gold	Contained Ounces Gold
Kunche	4,900,000	2.0	318,000	3,600,000	1.7	198,000	8,500,000	1.9	516,000
Bepkong	1,040,000	2.5	82,000	1,930,000	2.1	130,000	2,970,000	2.2	212,000
Julie	3,438,000	2.2	246,000	1,489,000	2.2	104,000	4,927,000	2.2	350,100
Collette				909,000	2.1	60,600	909,000	2.1	60,600
Atikpi				350,000	1.4	15,500	350,000	1.4	15,500
Yagha				270,000	1.2	10,800	270,000	1.2	10,800
<b>Total</b>	<b>9,378,000</b>	<b>2.1</b>	<b>646,000</b>	<b>8,548,000</b>	<b>1.9</b>	<b>518,900</b>	<b>17,926,000</b>	<b>2.0</b>	<b>1,165,000</b>

1. Kunche Mineral Resource estimation quoted for blocks with a grade greater than 1.0g/t gold. Refer ASX release September 2006. Estimation completed by Runge Limited (previously Resource Evaluations Ltd) in September 2006.
2. Bepkong, Atikpi and Yagha Mineral Resource estimations quoted for blocks with a grade of greater than 0.8 g/t gold. Estimation completed by CSA Global Pty Ltd in August 2008.
3. Julie Mineral Resource estimate quoted for blocks with a grade greater than 1.0g/t gold. Estimation completed by CSA Global Pty Ltd in March 2010.
4. Collette Mineral Resource estimate quoted for blocks with a grade greater than 1.0g/t gold. Estimation completed by CSA Global Pty Ltd in September 2010.
5. Details of the Bepkong, Atikpi and Yagha Mineral Resource estimations appear in ASX release dated 4<sup>th</sup> September 2008.
6. Details of the Julie Mineral Resource estimation appear in ASX release dated 24<sup>th</sup> March 2010.
7. Details of the Collette Mineral Resource estimation appear in ASX release dated 10<sup>th</sup> September 2010.
8. Differences may apply due to rounding errors

Figure 1: Azumah’s Extensive Licence Position in Ghana’s Emerging North West Gold Province

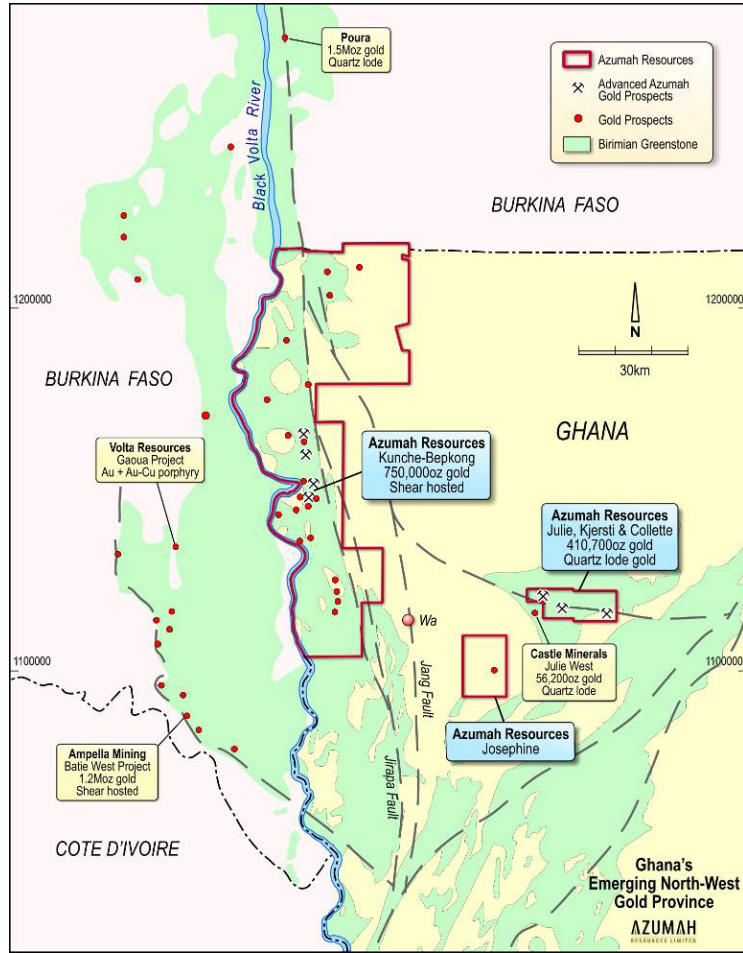


Figure 2: Julie, Collette, Kjersti and Josephine Prospects

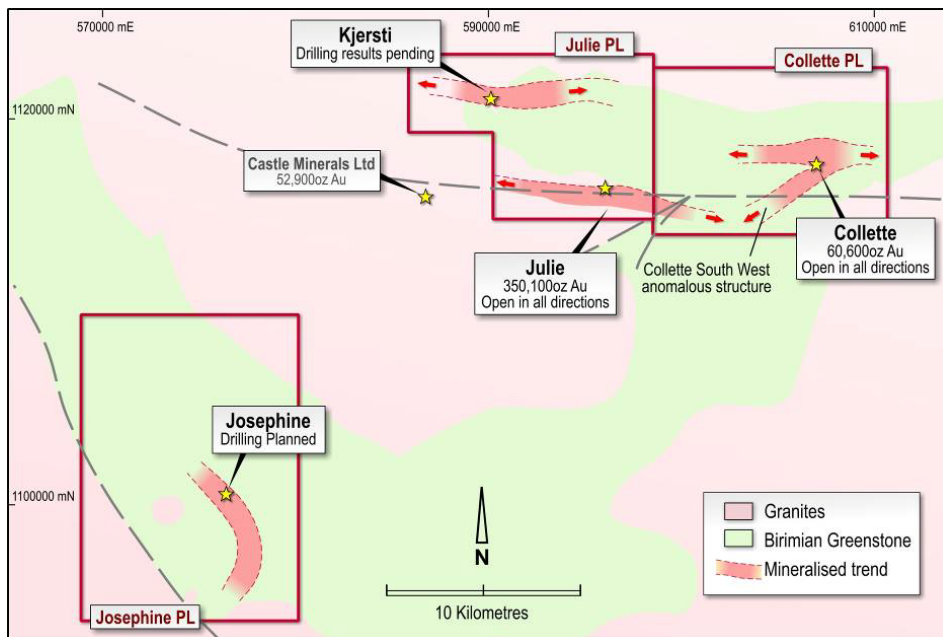
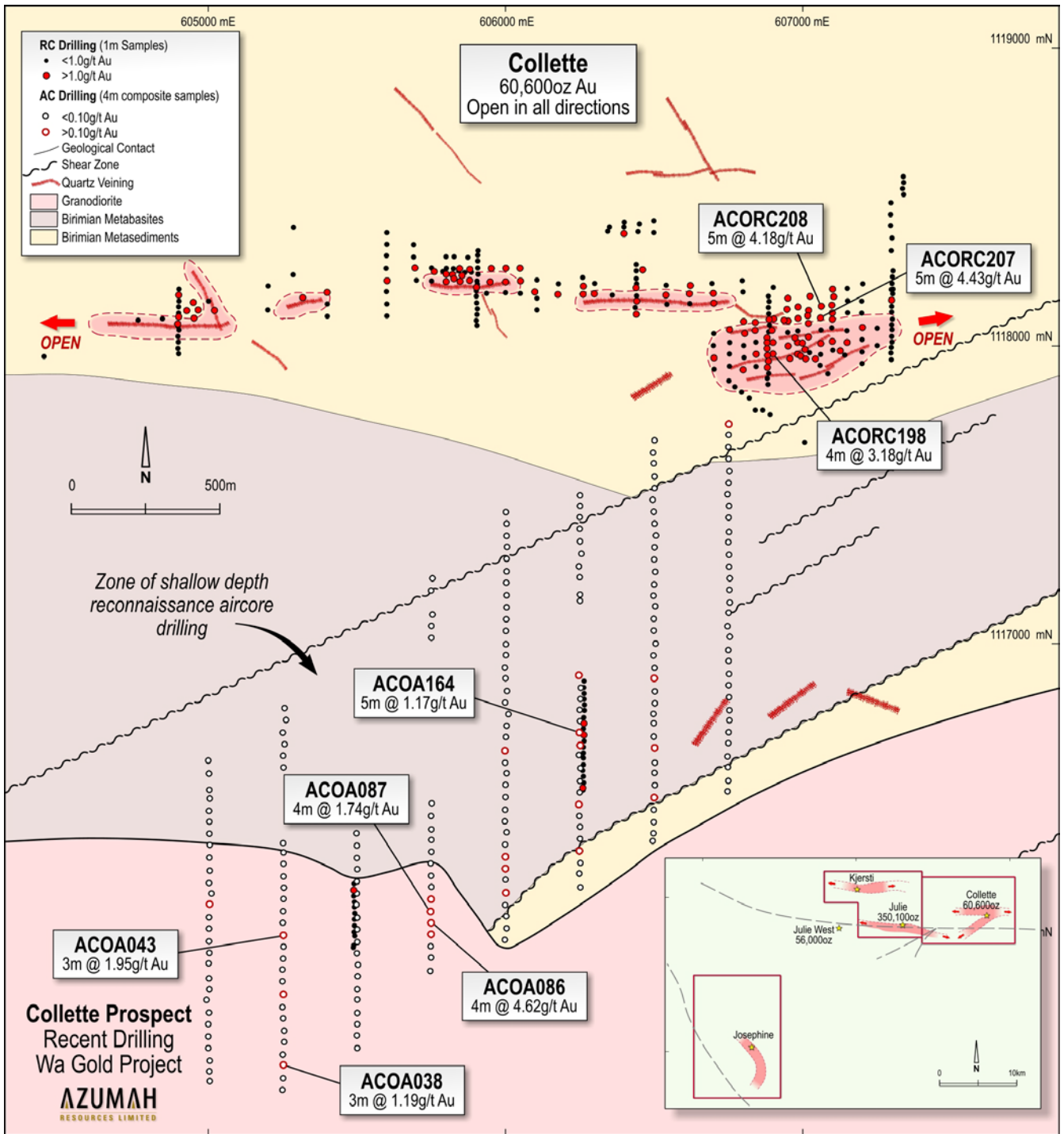


Figure 3: Collette Prospect – Latest RC and Aircore Drilling Intercepts



## Appendix 1: Collette Resource Estimation Parameters

The Collette Mineral Resource estimate has been compiled and prepared by Mr. David Williams (MAusIMM, MAIG) of CSA Global Pty Ltd who is a Competent Person as defined by the Australasian Code for the reporting of Exploration Results, Mineral Resources and Ore Reserves (JORC Code) 2004 Edition and who consents to the inclusion in this report of the matters based on the information in the form and context in which it appears.

The CSA Mineral Resource was estimated within constraining wireframe solids based on a nominal lower cut-off grade of 0.5g/t Au. The resource is quoted from blocks above the specified 1g/t Au cut-off grade.

- Azumah supplied all geological and sampling data and provided technical and geological support to CSA during the resource modelling process.
- CSA imported the supplied drillhole data to Datamine Studio 3 software and proceeded with the modelling in the Datamine extended precision environment.
- 255 RC drillholes were used in the resource estimate for a total length of 17,165m. A further 1,375m of trench samples were used to assist wireframe interpretation, but were not used in the estimation process.
- Approximately 200 drillholes had incorrect elevations. These were corrected by projecting each drillhole to the topography surface.
- Wireframe solids were generated based on sectional interpretations provided by CSA and reviewed by Azumah to delineate the zones of gold mineralisation. A nominal lower Au cut-off of 0.5g/t over 2m minimum width was used to define the mineralised envelopes.
- A total of 41 mineralised zones were defined. Of these, 9 wireframes based on a single drillhole intersection located outside the main mineralised corridor have been excluded from the Mineral Resource estimate.
- The interpreted mineralised zones consist of extensions to previously modelled zones and newly defined zones based on the new drilling and the nominal 0.5g/t Au cut off. The updated mineralised zones occur over a strike length of 2.5km.
- Drillhole samples were flagged according to the mineralised zone they were located in based on the wireframes created. 810 samples were selected within the mineralised zones. The number of samples within each domain varied from 2 to 111.
- Flagged samples were composited to 1m length.
- A top cut of 21g/t Au was applied to the composited drillhole file, based on a detailed statistical analysis of the data.
- The wireframe surface supplied by Azumah representing the top of fresh rock did not reflect the depth of fresh rock in the later drilling. A new wireframe was created to represent the top of fresh rock based on the first downhole occurrence of fresh rock in the drillhole file. This surface was then used to flag density in the model – values of 2.00, 2.40 and 2.79 were applied respectively to oxide, transitional and fresh rock.
- Due to the low number of flagged samples in many of the mineralised domains and the large distance between sample locations at opposite ends of the deposit, samples were selected from 9 neighbouring mineralised zones at the eastern end of the deposit which also contained greater than 20 samples. This gave a data set of 444 samples which was used for variography.
- Variograms were modelled using the data from the subset of mineralised zones described above. A single variogram model was applied to all zones for ordinary kriging.
- A volume block model was constructed, with coded blocks based on the mineralised wireframes in the same fashion to the drillhole flagging. Blocks were also coded on density based on the fresh rock surface.
- The block contained parent block sizes of 25m x 5m x 10m (X, Y, Z) with subcells down to 2.5m x 1m x 1m.
- Ordinary Kriging (OK) was used to estimate grades into the parent blocks for Au with an Inverse distance to the power of 2 (IDS) estimate also used as part of the cross check validations of the OK estimate.
- Search ellipses were created based on the ranges and orientations derived from the variography with the search ellipse doubled and then tripled for the second and third search passes.
- A minimum of 8 samples and a maximum of 40 samples were used to estimate the sample grades into each block for the first 2 passes. The minimum number of samples was reduced to 2 for the third search pass.
- A maximum of 5 samples from any one drill hole were used per block estimate, with cell discretisation of 5 x 1 x 2 (X x Y x Z), and no octant based searching utilised.
- The results of the grade estimation were validated by means of visual comparison along sections, statistical analysis and trend plots comparing the estimated block grades and the drill hole sampling grades.
- The resource model was depleted in the vicinity of 605840E to an average depth of 4m based on survey data of artisanal workings, which have since been backfilled. The resulting model depletion amounted to approximately 8,200 tonnes at 2.4g/t Au.

- The Mineral Resource extends to approximately 120m below surface with approximately 85% of the tonnage to a depth of 70m below surface.
- The Mineral Resource was classified as Inferred, based on current drill coverage and confidence in geological and grade continuity.

## Competent Persons Statement

The information in this report that relates to Exploration Results is based on information compiled by Mr Stephen Stone. Mr Stone is the Managing Director of Azumah Resources Limited. Mr Stone is a Member of The Australasian Institute of Mining and Metallurgy and has sufficient experience which is relevant to the style of mineralisation and type of deposit under consideration and to 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'. Mr Stone consents to the inclusion in the report of the matters based on information in the form and context in which it appears.

The information in this report that relates to in-situ Mineral Resource estimates for Bepkong, Collette, Yagha and Atikpi is based on information compiled by Mr David Williams, an employee of CSA Global Pty Ltd, geological consultants. Mr Williams is the competent person for the Bepkong, Yagha and Atikpi estimates and takes overall responsibility for these. Mr Williams is a Member of The Australasian Institute of Mining and Metallurgy and has sufficient experience which is relevant to the style of mineralisation and type of deposit under consideration and to 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'. Mr Williams consents to the inclusion in the report of the matters based on information in the form and context in which it appears.

The information in this report that relates to in-situ Mineral Resource estimate for Julie is based on information compiled by Mr Stephen Hodgson, an employee of CSA Global Pty Ltd, geological consultants. Mr Hodgson is the competent person for the Julie estimate and takes overall responsibility for this. Mr Hodgson is a Member of The Australian Institute of Geoscientists and has sufficient experience which is relevant to the style of mineralisation and type of deposit under consideration and to 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'. Mr Hodgson consents to the inclusion in the report of the matters based on information in the form and context in which it appears.

The information in this presentation that relates to Mineral Resources at the Kunche Project is based on a resource estimate that has been audited by Mr Paul Payne, who is a full time employee of Runge Limited. Mr Payne is a Member of The Australasian Institute of Mining and Metallurgy and has sufficient experience which is relevant to the style of mineralisation and type of deposit under consideration and to 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'. Mr Payne consents to the inclusion in the presentation of the matters based on information in the form and context in which it appears.

## Forward Looking Statement

Statements regarding plans with respect to the Company's mineral properties are forward-looking statements. There can be no assurance that the Company's plans for development of its mineral properties will proceed as currently expected. There can also be no assurance that the Company will be able to confirm the presence of additional mineral deposits, that any mineralisation will prove to be economic or that a mine will successfully be developed on any of the Company's mineral properties.

All notes pertaining to the Kunche Mineral Resource estimation of September 2006, the Bepkong Mineral Resource estimation of September 2008, the Atikpi and Yagha Mineral Resource estimation of September 2008, the Julie Mineral Resource estimation of March 2010 and the Collette Mineral Resource estimation of September 2010 can be viewed at [www.azumahresources.com.au](http://www.azumahresources.com.au)