

ASX Announcement
27 October 2016

Erste Ressourcenschätzung auf Goulamina bestätigt und hochgradige Lithiumlagerstätte mit beträchtlicher Tonnage

❖ **Erste Ressourcenschätzung auf Goulamina;**

15,5 Mio. Tonnen mit 1,48 % Li_2O (229.000 t enthaltenes Li_2O)

❖ **Beachtliche hochgradige Komponente nahe der Oberfläche bietet Möglichkeit für verbesserten frühzeitigen Cashflow.**

❖ **Ausgezeichnetes Potenzial um signifikante Tonnagen an in geringer Tiefe lagernder hochgradiger Lithiumvererzung durch weitere Bohrungen hinzuzufügen.**

❖ **Projektbewertungsstudien zur Festlegung erster Daten in Verbindung mit Abbau, Aufbereitung und Investitionskosten sind im Laufen.**

❖ **Bohrarbeiten werden in Kürze wieder aufgenommen und konzentrieren sich auf Ressourcenerweiterung und Hochstufung der Ressourcenkategorien.**

ASX Code BGS
ACN 113 931 105

COMPANY DIRECTORS

Winton Willesee
Chairman

Kevin Joyce
Managing Director

Hugh Bresser
Director

CONTACT DETAILS

Principal & Registered Office
Suite 9, 5 Centro Avenue
Subiaco WA 6008

www.birimian.com
info@birimian.com

T +61 8 9286 3045
F +61 8 9226 2027

Birimian Limited (ASX: BGS) („Birimian“ oder das „Unternehmen“ – <http://www.commodity-tv.net/c/mid,1323,Interviews/?v=296968>) berichtet die erste JORC konforme Mineralressourcenschätzung für die Lagerstätte Goulamina auf ihrem Lithiumprojekt Bougouni in Mali.

Die auf Goulamina geschätzte Mineralressource umfasst 15,5 Mio. Tonnen mit 1,48 % Li_2O für 229.000 Tonnen enthaltenes Li_2O (Tabelle 1). Dies stellt die Lagerstätte unter die heute weltweit höchst gradigsten Lithiumlagerstätten von signifikanter Größe in Festgestein.

Birimians Managing Director Kevin Joyce äußerte sich zu diesem Meilenstein: „ Wir sind sehr zufrieden, die höchst gradigste Lithiumressource zu 100 % zu besitzen, die heute im Besitz einer an der ASX zugelassenen Gesellschaft ist.

Diese erste Ressourcenschätzung ist ein herausragendes Ergebnis, besonders wenn man bedenkt, dass die ersten Bohrungen vor weniger als sechs Monaten niedergebracht wurden. Dies gibt uns eine solide Plattform, eine Scoping-Studie zur Abgrenzung der Schlüsselparameter zu avancieren, welche die Projektmachbarkeitsstudie und erste Erzvorratsschätzung unterstützen wird.

Von Interesse ist, dass noch ein beachtliches Potenzial zur substanziellen Erweiterung dieser ersten Ressource und Verbesserung der modellierten Gehalte durch weitere Bohrungen vorhanden ist, besonders in der vor Kurzem entdeckten West Zone. Dort ist die mächtige und hochgradige Vererzung nahe der Oberfläche im Streichen und zur Tiefe hin offen. **Der Gehalt der Ressource von 1,67 % Li_2O in der West Zone ist sehr ermutigend** und wir sind darauf aus, mit der nächsten Phase des Bohrprogramms zu beginnen, was Ende November erfolgen wird.

Birimian hat einen soliden Barmittelbestand mit ausreichend Kapital zur Finanzierung von Entwicklungsaktivitäten während der nächsten Bohrrunde und Scoping-Studie. Wir hoffen, dass die Scoping-Studie bis Jahresende abgeschlossen ist.“

Mineralressourcenschätzung

Cube Consulting (Cube) wurde zur Durchführung einer Mineralressourcenschätzung für die Lagerstätte Goulamina beauftragt. CSA Global lieferte den Beitrag für eine anfängliche Bergbaustudie zur Unterstützung von Cubes Arbeiten. Detaillierte Informationen hinsichtlich der Daten, Qualitätskontrolle und Schätzungsmethodik sind in Anhang 1 – JORC Tabelle1, Abschnitte 1 bis 3 dokumentiert.

Die Ressourcen wurden gemäß Tabelle 1 in den Vertrauenskategorien „angezeigt“ und „geschlussfolgert“ geschätzt. **40 % der Mineralressource befinden sich bereits in der Kategorie „angezeigt“.**

CATEGORY	Zone	Tonnes	Li_2O (%)	Li_2O (tonnes)	Fe_2O_3
INDICATED	Main	6,200,000	1.40	87,000	0.86
	West	-	-	-	0
INDICATED	TOTAL	6,200,000	1.40	87,000	0.86
INFERRED	Main	3,200,000	1.26	40,000	0.84
	West	6,100,000	1.67	102,000	0.93
INFERRED	TOTAL	9,300,000	1.53	142,000	0.90
	TOTAL	15,500,000	1.48	229,000	0.89

Tabelle 1. Klassifizierungen der Mineralresource Goulamina

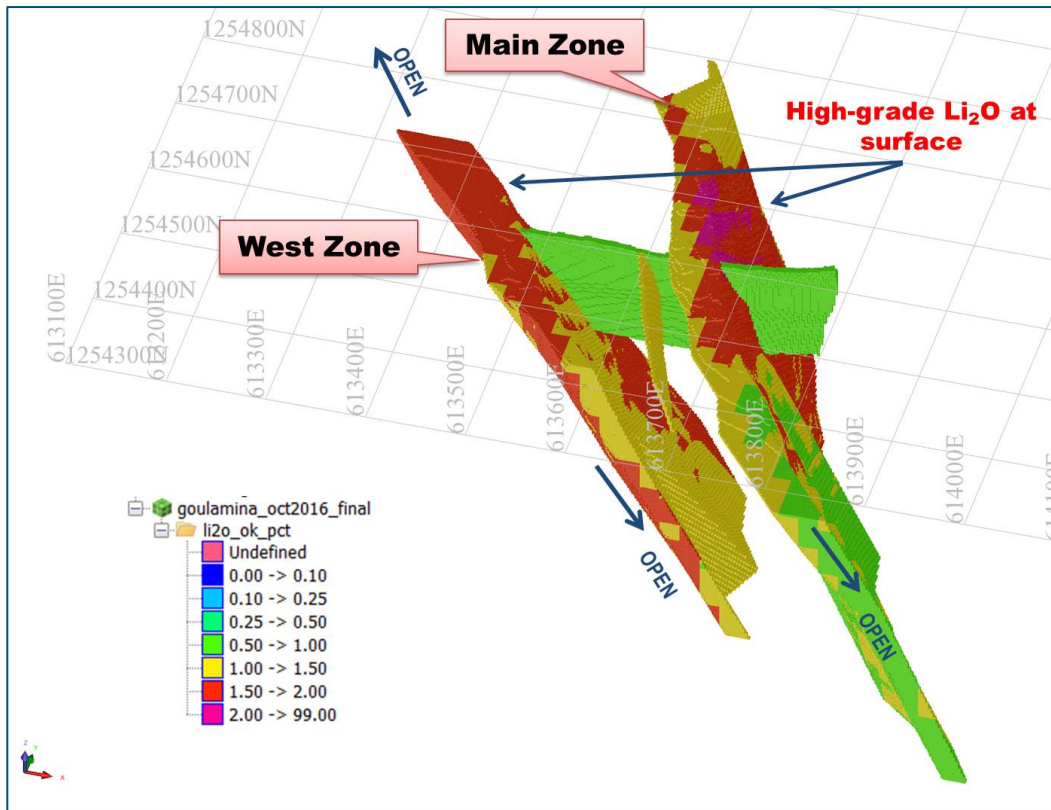


Abbildung 1. Goulamina Blockmodel Schrägansicht Richtung Norden

Birimian lieferte die Hauptinformationsquellen, die im Rahmen dieser Mineralressourcenschätzung verwendet wurden einschließlich Bohrungsdatensammlungen, eine topografische Oberfläche, Kartierungsinformationen und eine geologische Interpretation der vererzten Pegmatite. Insgesamt 50 Bohrungen mit einer Gesamtlänge von 5.179 m lagen dem Ressourcenmodell zugrunde.

Die Mineralressourcen wurden durch Rückspülbohrungen (Reverse Circulation, RC) und Kernbohrungen (Diamond Drilling, DD) abgegrenzt. Der Großteil der Bohrungen wurde in der Hauptpegmatitzone in Abständen von 50 m x 50 m und 50 m x 25 m niedergebracht. Diese Abstände sind zur Bestimmung der Kontinuität der Geologie und des Gehalts zur Ausweisung von Mineralressourcen angemessen.

Der Spodumen (Lithium) -Pegmatit auf Goulamina kommt als zwei gut definierte im Allgemeinen parallele und sehr kontinuierliche Dykes (Intrusionsgänge) vor; die Main Zone und West Zone (Abbildung 1, 2 und 3). Querschneidende vererzte Dykes, die in Aufschlüssen und in den Bohrungen identifiziert wurden, sind nicht so gut begrenzt und wurden zu diesem Zeitpunkt nicht in die klassifizierten Ressourcen eingeschlossen.

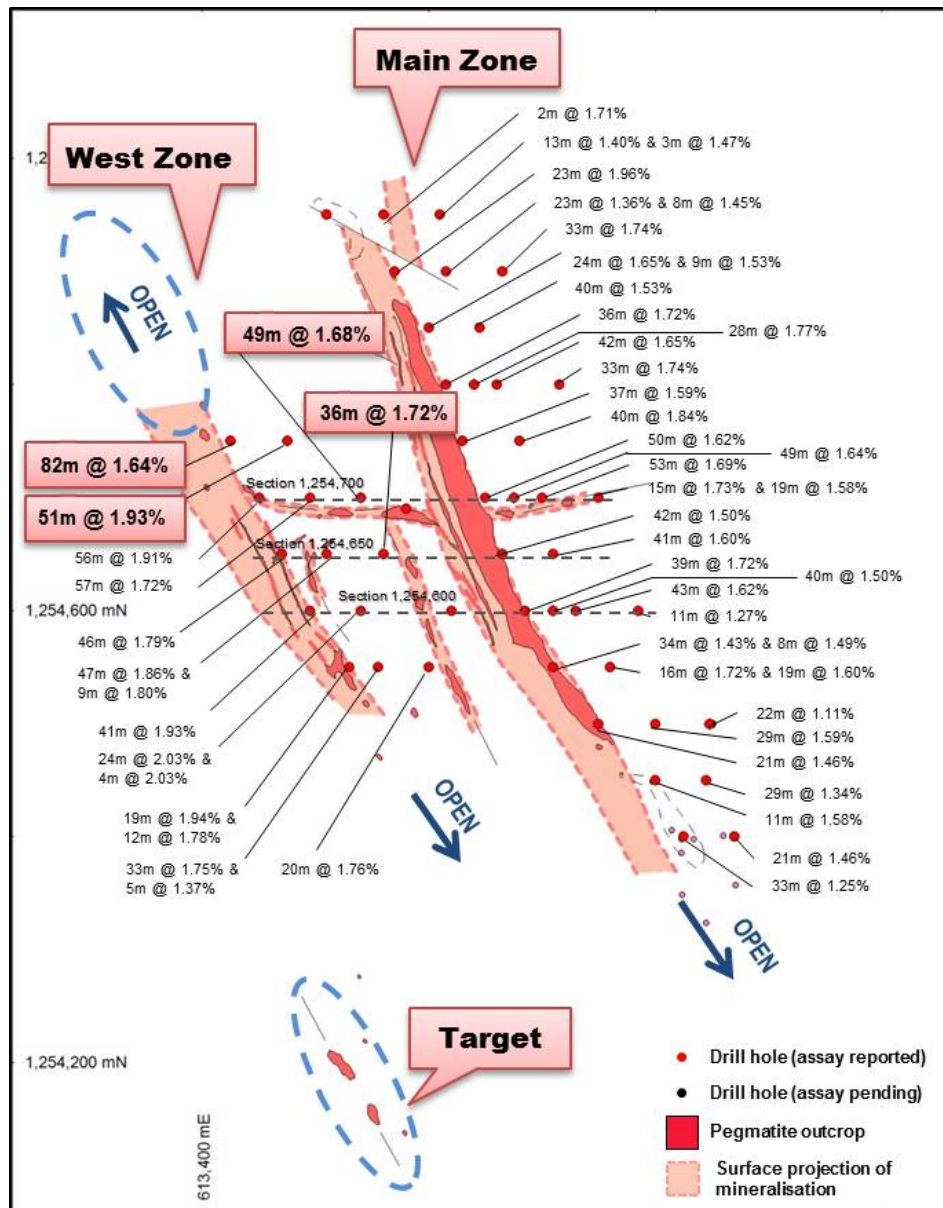


Abbildung 2. Lagerstätte Goulamina. Draufsicht
Lithiumpegmatite mit Lage der Bohrungen und berichteten Bohrabschnitten.

Vererzte Domänen für getrennte Pegmatit-Dykes wurden in Profilschnitten digitalisiert und dann als Drahtgitter dargestellt, um Festkörper zu generieren. Es besteht ein sehr starker Zusammenhang zwischen dem vererzten Teil der Pegmatit-Dykes und dem gesamten vererzten Dyke-Abschnitt. Nur sehr wenig Pegmatitmaterial hat keine signifikant erhöhten Lithiumgehalte. Folglich stimmen die Grenzen der Vererzung im Allgemeinen mit den lithologischen Grenzen der Dykes überein. Drahtgitter wurden zur Bestückung des Blockmodells und durch herkömmliches Kriging-Verfahren interpolierte Li_2O -Gehalte verwendet.

Der größte Teil des Ressourcengebietes des Main Zone Pegmatites wurde als angezeigte Ressource klassifiziert, wo spezifische Datenabstände und Suchkriterien erfüllt wurden, im Allgemeinen innerhalb von 100 m der Oberfläche. Die tiefere Vererzung in dieser Zone, so wie im West Zone Pegmatit, wurde als geschlussfolgerte Ressource klassifiziert aufgrund

der größeren Abstände zwischen den Bohrungen und geringerem Vertrauen in die Interpretation der Vererzung.

Es wurde angenommen, dass die Ressource im Tagebauverfahren abgebaut wird, das von den konzeptionellen Bergbaustudien unterstützt wird. Die früheren metallurgischen Studien bieten eine ausreichende Basis für die Annahme hinsichtlich der metallurgischen Zugänglichkeit und der Bestimmung angemessener Perspektiven für eine eventuelle wirtschaftliche Extraktion.

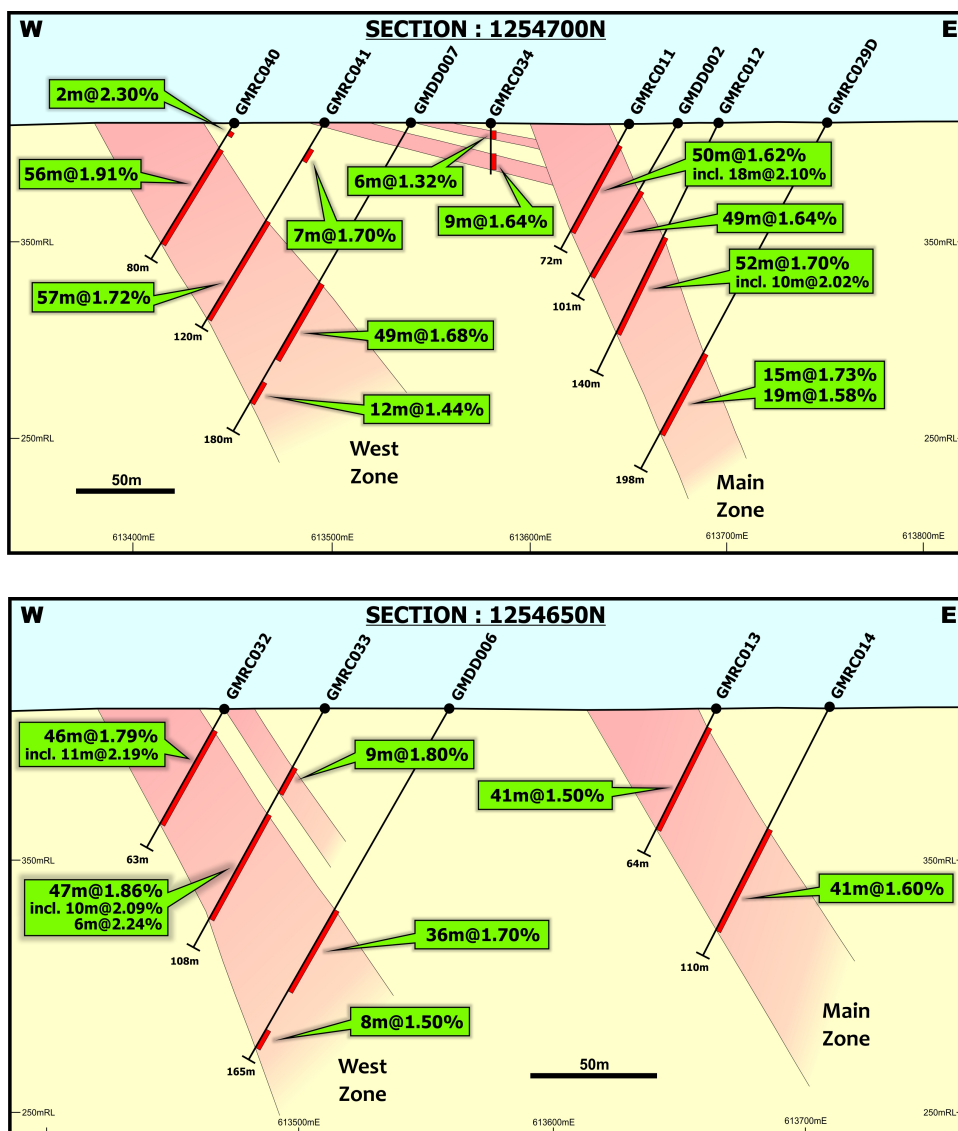


Abbildung 3. Profilschnitte Lagerstätte Goulamina.

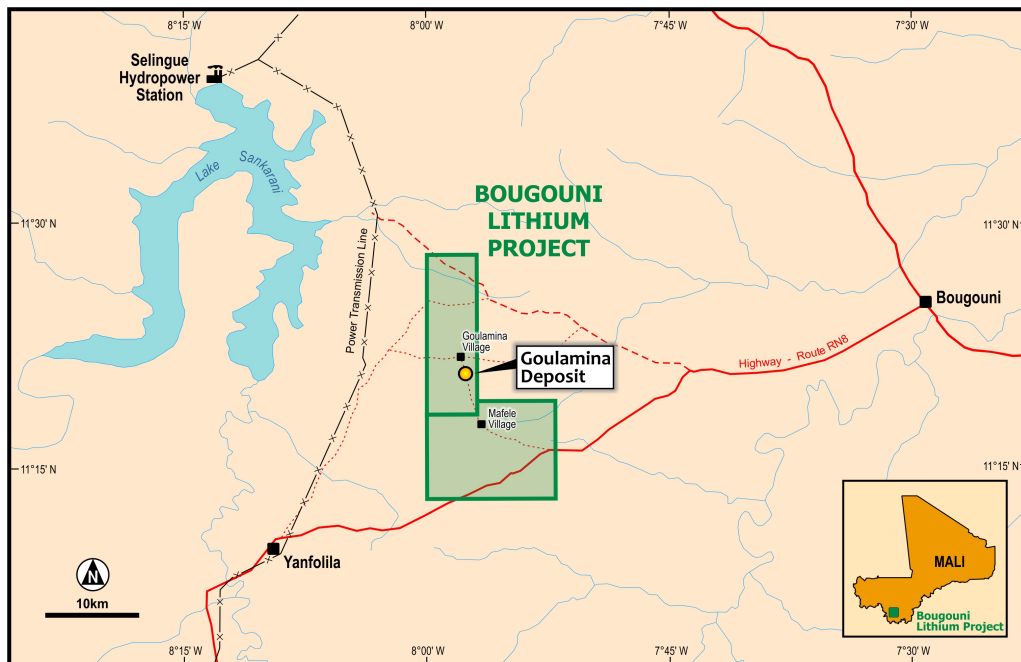


Figure 4. Goulamina Location and Infrastructure.

Goulamina – eine hochgradige Lithiumlagerstätte mit beträchtlichen Tonnagen

Die erste Ressourcenschätzung auf Goulamina bestätigt eine hochgradige Lithiumlagerstätte mit beträchtlichen Tonnagen. Das Projekt liegt in unmittelbarer Nähe einer asphaltierten Schnellstraße, eines Stromnetzes und eines Wasseranschlusses – das Wasserkraftwerk Selingue liegt nur etwa 45 Kilometer weiter nordwestlich (Abbildung 4).

Goulamina ist eine hochgradige Lithiumlagerstätte mit geringen Eisengehalten. Die Gehalt-Tonnage-Kurve ist in Abbildung 5 zu sehen. Signifikante Beobachtungen schließen ein:

- Die Gesamtressource wird für einen Cut-off-Gehalt von 0% Li_2O angegeben. Bei höheren Cut-off-Gehalten variieren die Tonnagen der Vererzung nicht beträchtlich, was den robusten Gehalt und die gute Kontinuität der modellierten Vererzung bestätigt.
- Beachtliche Tonnagen der hochgradigen ($>1,5\%$ Li_2O) Vererzung wurden innerhalb der Ressource modelliert. Ein signifikanter Teil von sehr hochgradigem Material steht in Aufschlüssen und nahe der Oberfläche (siehe Abbildung 1) an, was eine potenzielle Möglichkeit für den Abbau hochgradigen Erzes in einer frühen Phase der Lebensdauer des Projekts bietet. Dies würde eine schnelle Rückzahlung und verbesserten Cashflow bei einer geeigneten Ausrichtung der Projektentwicklung ermöglichen.

Die Lagerstätte weist erheblichen Spielraum für die Erweiterung zu einem hochgradigen Lithiumprojekt mit beträchtlichen Tonnagen auf, womit frühere Erwartungen sogar noch übertroffen wurden. Die Vererzung ist in beiden Zonen weiterhin offen und im 250 Quadratkilometer großen Projektgebiet besteht hervorragendes ungenutztes Potenzial. Birimian ist weiterhin zuversichtlich, dass es den Lithiumbestand auf Goulamina durch

weitere Bohrprogramme kontinuierlich steigern wird und damit die globale Bedeutung der Lagerstätte bestätigt.

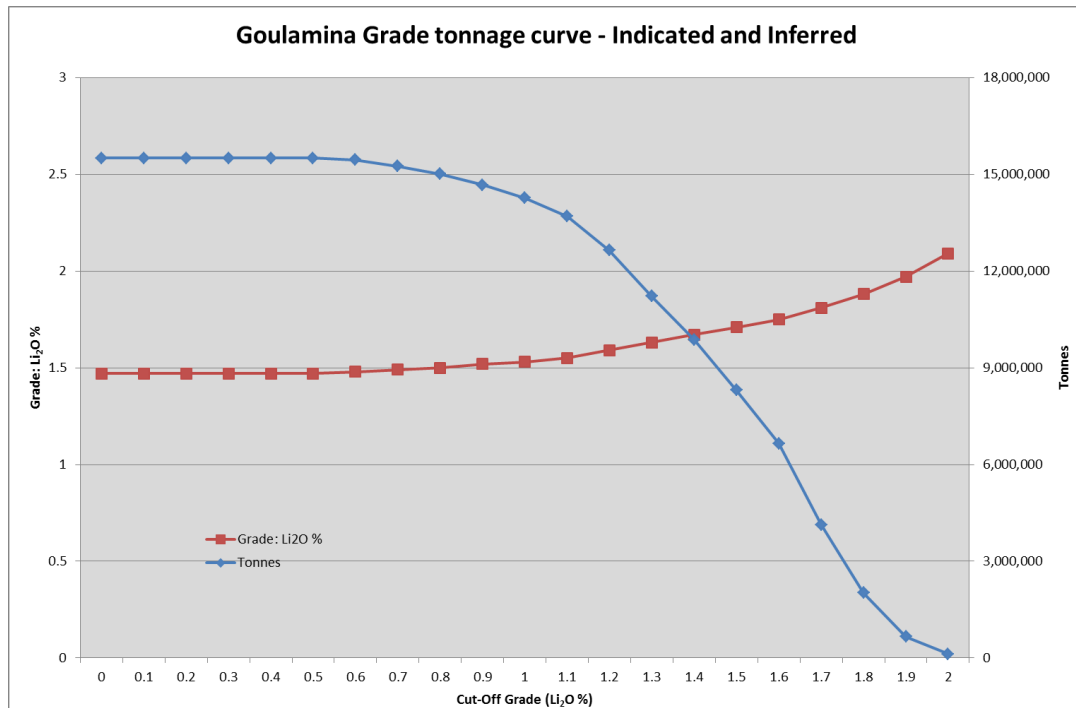


Abbildung 5. Goulamina Gehalt-Tonnage-Kurve.

Zukünftige Planung – Bohrungen

Die Vererzung ist im Streichen und zur Tiefe außerhalb der gegenwärtigen Grenzen der Bohrprogramme offen. Die letzten veröffentlichten Bohrerergebnisse aus der West Zone (10. Oktober 2016) lieferten die bis dato auf Goulamina mächtigsten und höchst gradigsten Abschnitte einschließlich 82 m mit 1,64 % Li₂O aus 18 m Tiefe und 51 m mit 1,93 % Li₂O aus 127 m Tiefe (mit 22 m mit 2,23 % Li₂O).

Diese sehr signifikanten Abschnitte nahe der Oberfläche sind in Streichrichtung offen, was in diesem Gebiet ein ausgezeichnetes Potenzial zur Hinzufügung beachtlicher Tonnagen von hochgradigem Material durch Bohrungen andeutet. Vorläufige Bergbaustudien haben ebenfalls einen guten Spielraum zur Erweiterung der Ressourcen unter die aktuelle Basis des Ressourcenmodells auf den Zonen Main und West gezeigt.

Weitere Bohrungen werden die Erweiterung der Vererzung während des Infill- und Step-out-Bohrprogramms der nächsten Phase erkunden. Die Planungen für dieses Programm sind im Laufen. Laut Erwartungen werden Bohrungen mit einer Gesamtlänge von ungefähr 10.000 m zur Erweiterung und Hochstufung der Ressourcenklassifikation und zur Erleichterung einer möglichen Erzvorratsschätzung niedergebracht werden.

Scoping-Studie und Genehmigungsverfahren

Parallel zu den Bohrungen avanciert Birimian rasch eine Scoping-Studie, um Eingaben in die Projektmachbarkeitsstudie zu definieren.

Como Engineers („Como“) wurde damit beauftragt, die grundlegenden Verarbeitungsparameter festzulegen und die Investitionskosten zu schätzen, die für die Definierung weiterer detaillierter Arbeiten beim Projekt Bougouni verwendet werden. Como kann eine umfassende Erfahrung bei der Prozessplanung und technischen Aspekten von Spodumenkonzentrationsanlagen vorweisen, einschließlich der kürzlich durchgeführten endgültigen Machbarkeitsstudie für das Lithiumprojekt Pilgangoora von Pilbara Minerals.

Frühere Testarbeiten haben die Brauchbarkeit des Pegmatits auf Goulamina für die Produktion eines sehr reinen Lithiumkonzentrats von hoher Qualität bestätigt. Como wird diese Studie als Basis für ihre vorläufige Bewertung verwenden. Die Testergebnisse zeigen gute Spodumen (Lithium) -Ausbringung (84,7 %) und einen hohen Masseertrag zur Produktion eines hochwertigen sehr reinen (6,7 %) Spodumenkonzentrats. Als Hinweis, Konzentratgehalte von 6 % werden normalerweise von den globalen Lithiumkarbonatherstellern verlangt.

Digby Wells Environmental („Digby Wells“) hat vor Kurzem die Feldarbeiten für die ersten sozialen und umweltbezogenen Bewertungen für die Gebiete im Umfeld der potenziellen Mine und des potenziellen Verarbeitungsstandortes bei Goulamina abgeschlossen. Im Rahmen dieser vorläufigen Studie werden wichtige umweltbezogene und soziale Aspekte identifiziert, wodurch es Digby Wells möglich sein wird, die Terms of Reference for the Environmental and Social Impact Assessment („ESIA“) zu erstellen, die verwendet werden, um einen entsprechenden Plan hinsichtlich der Durchführung der erforderlichen Basisstudien und der Einreichung der formellen Projekt-ESIA für die Genehmigung der Mine zu formulieren.

Für weitere Informationen kontaktieren Sie bitte:

Kevin Joyce
Managing Director
08 9286 3045
info@birimiangold.com

In Europa:
Swiss Resource Capital AG
Jochen Staiger
info@resource-capital.ch
www.resource.capital.ch

Erklärung der qualifizierten Personen

Die Informationen in dieser Meldung, die sich auf Explorationsergebnisse und das Explorationsziel beziehen, basieren auf Informationen, die von oder unter der Leitung von Kevin Anthony Joyce erstellt wurden. Herr Joyce ist Managing Director von Birimian Limited und ein Mitglied des Australian Institute of Geoscientists. Herr Joyce verfügt über ausreichende Erfahrung, die für diese Art von Vererzung und Lagerstätte sowie für seine Tätigkeiten erforderlich ist, um als qualifizierte Person gemäß der Ausgabe von 2012 des Australasian Code for Reporting of Exploration Results definiert werden zu können. Herr Joyce erlaubt das Hinzufügen von Material zu diesem Bericht, das auf seinen Informationen basiert und in Form und Kontext erscheint.

Die Informationen in dieser Meldung, die sich auf Mineralressourcen beziehen, basieren auf Informationen, die von oder unter der Leitung von Matt Bampton erstellt wurden. Herr Bampton ist ein Mitglied des Australian Institute of Mining and Metallurgy und ein Mitglied des Australian Institute of Geoscientists. Herr Bampton ist ein Vollzeitbeschäftigter von Cube Consulting Pty Ltd. und verfügt über ausreichende Erfahrung, die für diese Art von Vererzung und Lagerstätte sowie für seine Tätigkeiten erforderlich ist, um als qualifizierte Person gemäß der Ausgabe von 2012 des Australasian Code for Reporting of Exploration Results definiert werden zu können. Herr

Bampton erlaubt das Hinzufügen von Material zu diesem Bericht, das auf seinen Informationen basiert und in Form und Kontext erscheint.

Zuvor gemeldete Ergebnisse

Diese Meldung enthält Informationen hinsichtlich früherer Explorationsergebnisse beim Projekt Bougouni. Das Unternehmen bestätigt, dass keine anderen neuen Informationen oder Daten vorliegen, die sich erheblich auf die in der ursprünglichen Marktmittelung enthaltenen Informationen auswirken könnten, und dass sich alle grundlegenden Annahmen und technischen Parameter nicht grundlegend geändert haben. Das Unternehmen bestätigt, dass die Form und der Kontext der enthaltenen Darbringung der Ergebnisse der Competent Person im Vergleich zur Marktmittelung nicht grundlegend geändert wurden.

Zukunftsgerichtete Aussagen

Aussagen hinsichtlich Pläne in Zusammenhang mit den Mineralkonzessionsgebieten des Unternehmens sind zukunftsgerichtete Aussagen. Es kann keine Garantie abgegeben werden, dass die Pläne des Unternehmens hinsichtlich der Erschließung seiner Mineralkonzessionsgebiete wie erwartet umgesetzt werden können. Es kann keine Garantie abgegeben werden, dass das Unternehmen in der Lage sein wird, das Vorkommen von Minerallagerstätten zu bestätigen, dass sich eine Mineralisierung als wirtschaftlich herausstellen wird oder dass eine Mine in einem der Mineralkonzessionsgebiete des Unternehmens erschlossen werden kann.

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ASX Additional Information - Material Assumptions

The following is a summary of Material Information used to estimate the Mineral Resource as required by Listing Rule 5.8.1 and JORC 2012 Reporting Guidelines.

Mineral Tenement and Land Tenure Status

The deposit lies within the Torakoro Authorisation to Explore which is owned 100% by Timbuktu Ressources, a wholly owned Malian subsidiary of Birimian Limited. The license area is currently being upgraded to a Research Permit, which was approved for issue by interministerial commission from the Mali Ministry of Mines on 19 July 2016. The mineral property is in good standing and there is no known impediment to obtaining a license to operate.

Geology

The project area is located within the Bougouni region of the southern Mali, where broadly north-south trending belts of Birimian-aged (Paleoproterozoic) metavolcanic and metasedimentary rocks are intruded by syn-and post-orogenic granitoids.

Within the Project area, outcrop is limited and basement geology is therefore poorly understood. Regolith typically comprises a surficial transported gravel horizon (locally termed Cuirasse) overlying a thin lateritic weathering profile. Mapping indicates NE-striking metapelite and metagreywacke rocks in the north and eastern parts of the property. The southern portion of the project area is dominated by granodiorite.

All pegmatite bodies contain anomalous or significant amounts of the mineral spodumene (a lithium-bearing pyroxene), along with the other major minerals of quartz feldspar (albite and microcline); From the geological logging, there are also accessory amounts of muscovite, tourmaline, apatite, and biotite at the granite contacts. Semi-quantitative mineralogical

analysis by X-ray diffraction also indicated trace amounts of zinnwaldite (a lithium-bearing mica) and chlorite.

Drilling Techniques and Hole Spacing

All holes were drilled as part of a continuous drilling campaign from May to September 2016. In total 50 holes for 5,179m of drilling were completed.

RC drilling was completed by a purpose-built rig supplied and operated by Foraco Drilling, using nominally 5.5" diameter equipment, with a face sampling downhole hammer. The rig has an outboard compressor, with specifications of 1100CFM@350PSI.

Core drilling was completed using a purpose-built rig supplied and operated by Foraco Drilling. All holes are standard HQ sized holes (core diameter 64mm). DD holes are a combination of some drilled from surface (lengths varied between 21m and 110m), and some as diamond tails on RC holes (lengths varied between 100m and 195m).

Sampling

All samples collected from the RC rig for this drilling program were collected at 1m downhole intervals. Samples were split into pre-numbered calico bags at the rig using a 3-stage vibratory riffle splitter yielding a sample of between 3 to 5 kilograms. In addition to the 1m sample, duplicate samples were taken every 20m downhole. Blanks and standards were inserted into the sample string at a rate of 1:40 for Blanks, and 1:40 for Standards.

A sampling ledger documented data, including hole number, date drilled, sample id, depths from and to, sample condition, sample type, percentage sample return and all certified standards blanks and duplicates.

Drill core was sawn in half along its long axis. One half of the drill core was taken for geochemical analysis. All samples were collected at 1m intervals down the hole. 100% core recoveries were typically achieved.

Sample Analysis

Sample preparation work was conducted in the ALS Laboratory in Ouagadougou, Burkina Faso. At the laboratory, samples were weighed, dried and crushed to -2mm in a jaw crusher. A 1.0kg split of the crushed sample was subsequently pulverised in a ring mill to achieve a nominal pulp particle size of 85% passing 75µm. Sample sizes and laboratory preparation techniques are considered to be appropriate.

After pulverisation, sub-samples were sent to ALS Laboratory in Perth for assay. Analysis for lithium and a suite of other elements is undertaken by ICP-AES, after a sodium peroxide (Na₂O₂) fusion – ALS Method ME-ICP89. Some of the multi-element analysis uses a MS finish – ALS Method ME-MS91. This fusion technique is considered to be a “total” dissolution technique for lithium-bearing silicate minerals. Detection limits for lithium are 0.01-10%.

Estimation Methodology

Interpreted sections were wireframed using Surpac to create 3D solids for each pegmatite domain within the resource area. The drillhole data was sliced on 50m spaced sections for modelling of the geology and the mineralised envelopes. Solids were constructed for 4 discreet pegmatite dykes, as well as for the near surface colluvium and lateritic material.

Mineralisation in the Main Zone and West Zone pegmatites was composited to 3m downhole intervals to reduce the variability inherent in raw samples or a smaller composite length relative to estimation resource model block dimensions.

Surpac software was used for the modelling and estimation, with SuperVisor software used to conduct geostatistical analysis. The main pegmatite domains in the block model were estimated using interpolation of grade via Ordinary Kriging (OK), which was considered to be an acceptable method given the strong geological control, the drilling density and the data distribution downhole.

A single block model was created by Cube with dimensions extended out to fully cover all of the mineralisation, plus surrounds that may be contained within pit optimisation shells. The parent block size used is 20mN x 20mE x 5mRL and sub-blocked to 1.25mN x 2.5mE x 2.5mRL.

Resource Classification

A range of criteria were considered by Cube when addressing the suitability of the classification boundaries. These criteria include:

- Geological continuity and volume;
- Drill spacing and drill data quality;
- Modelling technique; and
- Estimation properties including search strategy, number of informing composites, average distance of composites from blocks and kriging quality parameters.

Blocks have been classified as Indicated or Inferred, mostly based on drill data spacing in combination with kriging parameters.

Cut-off Grade

For the global resource estimation, no lower cutoff grade for reporting is used, as the model is essentially developed within a geological boundary, and the resource incorporates everything within the modelled pegmatite dykes.

Mining and Metallurgy

Conceptual mining studies are based on open cut mining methods using a contract mining fleet and conventional drill and blast mining methods. Limited inspection of core photography indicates that ground conditions are suitable for this mining method.

The resource has been trimmed by intersecting with a pit shell based on a Whittle optimisation at a revenue factor (USD650/t for a nominal 6% Li₂O concentrate). Material falling outside of this shell is considered to not meet reasonable prospects for eventual economic extraction.

The criteria for assumptions and predictions regarding metallurgical amenability – required to determine reasonable prospects for eventual economic extraction – are based on the bulk sampling and test program undertaken in 2008 by CSA Global (UK), work that was commissioned and funded by the World Bank as part of the SYSMIN economic development program. CSA Global undertook systematic sampling of outcropping material at Goulamina to collect a representative bulk sample comprising 3,150kg of material, which was subsequently crushed and split to 750kg for detailed processing test work. This work included evaluations of screen sizing to optimize spodumene (lithium) recoveries and

preliminary dense media separation tests. The results of this study indicated good spodumene recoveries (~84.7%) and a high mass yield, to produce a high quality 'chemical grade' spodumene concentrate (~6.7% Li_2O).

Table 2. Reverse Circulation and diamond drill holes at the Bougouni Project, Mali.

Hole_ID	North	East	Dip	Azm	Hole Depth	Comment
GMRC001	1254750	613630	- 60	265	78	Reported 12 July 2016
GMRC002	1254750	613680	- 60	265	117	Reported 12 July 2016
GMRC003	1254800	613615	- 60	265	60	Reported 12 July 2016
GMRC004	1254800	613660	- 60	265	120	Reported 12 July 2016
GMRC005	1254850	613600	- 60	265	60	Reported 12 July 2016
GMRC006	1254850	613645	- 60	265	117	Reported 12 July 2016
GMRC007	1254900	613570	- 60	265	57	Reported 12 July 2016
GMRC008	1254900	613615	- 60	265	105	Reported 21 July 2016
GMRC009	1254950	613560	- 60	265	72	Reported 21 July 2016
GMRC010	1254950	613610	- 60	265	102	Reported 21 July 2016
GMRC011	1254700	613650	- 60	265	72	Reported 21 July 2016
GMRC012D	1254700	613695	- 60	265	140	Reported 28 September 2016
GMRC013	1254650	613665	- 60	265	64	Reported 21 July 2016
GMRC014	1254650	613710	- 60	265	110	Reported 21 July 2016
GMRC015	1254600	613685	- 60	265	57	Reported 11 August 2016
GMRC016	1254600	613730	- 60	265	102	Reported 11 August 2016
GMRC017	1254550	613710	- 60	265	60	Reported 11 August 2016
GMRC018	1254550	613760	- 60	265	108	Reported 11 August 2016
GMRC019	1254500	613750	- 60	265	64	Reported 11 August 2016
GMRC020	1254500	613801	- 60	265	75	Reported 11 August 2016
GMRC021	1254500	613800	- 60	265	96	Reported 11 August 2016
GMRC022	1254450	613800	- 60	265	93	Reported 11 August 2016
GMRC023	1254450	613845	- 60	265	125	Reported 11 August 2016
GMRC024	1254400	613825	- 60	265	75	Reported 11 August 2016
GMRC025	1254400	613870	- 60	265	114	Reported 11 August 2016
GMRC026	1254950	613510	- 60	265	54	Reported 11 August 2016
GMRC027D	1254900	613665	- 60	265	180	Reported 28 September 2016
GMRC028D	1254800	613715	- 60	265	193	Reported 28 September 2016
GMRC029D	1254700	613750	- 60	265	198	Reported 28 September 2016
GMRC030D	1254600	613785	- 60	265	180	Reported 28 September 2016
GMRC031D	1254500	613850	- 60	265	110	Re-drill as GMDD004
GMRC032	1254650	613470	- 60	265	63	Reported 11 August 2016
GMRC033	1254650	613510	- 60	265	108	Reported 11 August 2016
GMRC034	1254690	613580	- 60	180	51	Reported 11 August 2016
GMRC035	1254600	613620	- 60	265	69	Reported 31 August 2017
GMRC036	1254550	613530	- 60	265	48	Reported 31 August 2018
GMRC037	1254550	613555	- 60	265	75	Reported 31 August 2019
GMRC038	1254600	613495	- 60	265	57	Reported 31 August 2020
GMRC039	1254600	613540	- 60	265	84	Reported 31 August 2021
GMRC040	1254700	613450	- 60	265	80	Reported 31 August 2022
GMRC041	1254700	613495	- 60	265	120	Reported 31 August 2023
GMRC042	1254550	613600	- 60	265	120	Reported 31 August 2024
GMDD001	1254800	613640	- 60	265	100	Reported 28 September 2016
GMDD002	1254700	613675	- 60	265	100.6	Reported 28 September 2016
GMDD003	1254600	613710	- 60	265	100	Reported 28 September 2016
GMDD004	1254500	613848	- 60	265	195	Reported 10 October 2017
GMDD005	1254750	613425	- 60	265	125	Reported 10 October 2018
GMDD006	1254650	613560	- 60	265	165	Reported 10 October 2019
GMDD007	1254700	613540	- 60	265	180	Reported 10 October 2020
GMDD008	1254750	613475	- 60	265	180	Reported 10 October 2021

JORC Code, 2012 Edition – Table 1

Section 1 - Sampling Techniques and Data

Criteria	JORC Code explanation	Commentary
Sampling techniques	<i>Nature and quality of sampling (eg cut channels, random chips, or specific specialised industry standard measurement tools appropriate to the minerals under investigation, such as down hole gamma sondes, or handheld XRF instruments, etc). These examples should not be taken as limiting the broad meaning of sampling.</i> <i>Include reference to measures taken to ensure sample representivity and the appropriate calibration of any measurement tools or systems used.</i> <i>Aspects of the determination of mineralisation that are Material to the Public Report.</i> <i>In cases where ‘industry standard’ work has been done this would be relatively simple (eg ‘reverse circulation drilling was used to obtain 1 m samples from which 3 kg was pulverised to produce a 30 g charge for fire assay’). In other cases more explanation may be required, such as where there is coarse gold that has inherent sampling problems. Unusual commodities or mineralisation types (eg submarine nodules) may warrant disclosure of detailed information.</i>	- Diamond Drill Core (DD) and Reverse Circulation (RC) chips are the two main sample types. - RC drill holes were routinely sampled at 1m intervals down the hole, with samples collected at the drill rig by riffle splitting drill spoils to collect a nominal 2.5 – 4kg sub sample, with an additional 50% split for material > 5 kg. - Routine standard reference material, sample blanks, and sample duplicates were inserted or collected at every 10th sample in the sample sequence for RC drill holes. - Nominal 2.5kg sub samples were collected from half sawn HQ sized diamond drill core, routinely sampled at 1m intervals down the hole. - Routine standard reference material and sample blanks were inserted/collected at every 20th sample in the sample sequence for DD drill holes. - All samples were submitted to ALS Bamako and subsequently forwarded to ALS Ouagadougou for preparation. Analysis was undertaken at ALS Perth by method ME-ICP89
Drilling techniques	<i>Drill type (eg core, reverse circulation, open-hole hammer, rotary air blast, auger, Bangka, sonic, etc) and details (eg core diameter, triple or standard tube, depth of diamond tails, face-sampling bit or other type, whether core is oriented and if so, by what method, etc).</i>	- Drillholes were generally angled at - 60° towards 270° (WGS84_29N grid) - RC drilling equipment is nominally 5.5” diameter, with a face sampling down hole hammer. - RC drilling used a purpose-built RC Rig (Foraco Drilling) with an outboard compressor, with specifications of 1100CFM@350PSI - DD holes are standard tube HQ sized holes (core diameter 64mm) - DD holes were drilled using a purpose built drill rig supplied and operated by Foraco Drilling. - DD holes are a combination of some drilled from surface (lengths varied between 21m and 110m), and some as diamond tails on RC holes (lengths varied between 100m and 195m). - Core Orientations were performed with a Reflex ACT II RD rapid descent core orientation tool
Drill sample recovery	<i>Method of recording and assessing core and chip sample recoveries and results assessed.</i> <i>Measures taken to maximise sample recovery and ensure representative nature of the samples.</i>	- A qualitative estimate of sample recovery was done for each sample metre collected from the drill rig for RC holes. - Riffle split samples were weighed to ensure consistency of sample size

Criteria	JORC Code explanation	Commentary
	• <i>Whether a relationship exists between sample recovery and grade and whether sample bias may have occurred due to preferential loss/gain of fine/coarse material.</i>	- and to monitor sample recoveries. • A quantitative measure of sample recovery was done for each run of drill core for DD holes. • Drill sample recovery in the DD holes approximates 100% in mineralised zones. • Overall, drill sample recovery and quality is considered to be adequate for the RC drilling, and is considered to be excellent for the DD holes. • There is the possibility of some low-level contamination from the drill bits and rods on subsequent iron assays.
Logging	• <i>Whether core and chip samples have been geologically and geotechnically logged to a level of detail to support appropriate Mineral Resource estimation, mining studies and metallurgical studies.</i> • <i>Whether logging is qualitative or quantitative in nature. Core (or costean, channel, etc) photography.</i> • <i>The total length and percentage of the relevant intersections logged.</i>	• All drill sample intervals were geologically logged by Company Geologists. • Where appropriate, geological logging recorded the abundance of specific minerals, rock types and weathering using a standardized logging system. • For RC holes, a small sample of washed drill material was retained in chip trays for future reference and validation of geological logging, and an additional 100g of drill material was retained in plastic bags for the same purpose. • For DD holes, all core was photographed both Wet and Dry. • For most holes, the entire drill hole was logged and sampled. Barren granite away from the pegmatite dykes was not routinely sampled.
Sub-sampling techniques and sample preparation	• <i>If core, whether cut or sawn and whether quarter, half or all core taken.</i> • <i>If non-core, whether riffled, tube sampled, rotary split, etc and whether sampled wet or dry.</i> • <i>For all sample types, the nature, quality and appropriateness of the sample preparation technique.</i> • <i>Quality control procedures adopted for all sub-sampling stages to maximise representivity of samples.</i> • <i>Measures taken to ensure that the sampling is representative of the in situ material collected, including for instance results for field duplicate/second-half sampling.</i> • <i>Whether sample sizes are appropriate to the grain size of the material being sampled.</i>	• RC 1m samples were riffle split at the drill rig, and routine field sample duplicates were taken to evaluate whether samples were representative. • Drill core was sawn in half along its long axis. One half of the drill core was taken for geochemical analysis. All samples were collected at 1m intervals down the hole. • Sample preparation was undertaken by ALS Ouagadougou laboratory. • At the laboratory, samples were weighed, dried and crushed to -2mm in a jaw crusher. A 1.0kg split of the crushed sample was pulverised in a steel ring mill to achieve a nominal particle size of 85% passing 75µm. • Sample sizes and laboratory preparation techniques are considered to be appropriate for lithium, but may have introduced a small level of contamination for iron from the sample preparation equipment.
Quality of assay data and laboratory	• <i>The nature, quality and appropriateness of the assaying and laboratory procedures used and whether the technique is considered partial or total.</i>	• Analysis for lithium and a suite of other elements was undertaken at ALS Perth by ICPAES after Sodium Peroxide Fusion. Detection limits for

Criteria	JORC Code explanation	Commentary
tests	- For geophysical tools, spectrometers, handheld XRF instruments, etc, the parameters used in determining the analysis including instrument make and model, reading times, calibrations factors applied and their derivation, etc. - Nature of quality control procedures adopted (eg standards, blanks, duplicates, external laboratory checks) and whether acceptable levels of accuracy (ie lack of bias) and precision have been established.	lithium (0.01 -10%) - Sodium Peroxide fusion is considered a “total” assay technique for lithium - No geophysical tools or other non-assay instrument types were used in the analyses reported. - Review of routine standard reference material and sample blanks suggest there are no significant analytical bias or preparation errors in the reported analyses. - Lithium assays for the RC field sample duplicates compare well with the original sample and are consistent with the style of mineralisation being evaluated. The analyses are considered to be representative of the geological zones which were sampled. - No field duplicates were taken for the DD program. - Internal laboratory QAQC checks are reported by the laboratory, including sizing analysis to monitor preparation. - Review of the internal laboratory QAQC suggests the laboratory is performing within acceptable limits. - No samples were analysed at an umpire lab.
Verification of sampling and assaying	- The verification of significant intersections by either independent or alternative company personnel. - The use of twinned holes. - Documentation of primary data, data entry procedures, data verification, data storage (physical and electronic) protocols. - Discuss any adjustment to assay data.	- Drill hole data is compiled and digitally captured by company geologists. - The compiled digital data is verified and validated by the Company’s database consultant before loading into the drill hole database. - No specific twin holes were drilled. - Reported results are compiled by the Company’s database consultant and the Managing Director. - There were no adjustments to assay data.
Location of data points	- Accuracy and quality of surveys used to locate drill holes (collar and down-hole surveys), trenches, mine workings and other locations used in Mineral Resource estimation. - Specification of the grid system used. - Quality and adequacy of topographic control.	- Drill hole collars were set out in UTM grid WGS84_Zone29N - Drill hole collars were positioned using hand held GPS. - RC and DD holes are routinely surveyed for orientation at approximately 50m-spaced intervals down the hole, using the Reflex EZ-TRAC electronic multi-shot system - SRTM elevation data was used to establish topographic control where appropriate. - Locational accuracy at collar and down the drill hole is considered appropriate for this stage of resource estimation.
Data spacing and distribution	- Data spacing for reporting of Exploration Results. - Whether the data spacing and distribution is sufficient to establish the degree of geological and grade continuity	The majority of drilling is at 50m x 50m centres, with deeper holes at 100m x 50m spacing, and some minor infill to approximately 50m x 25m on selected sections.

Criteria	JORC Code explanation	Commentary
	<i>appropriate for the Mineral Resource and Ore Reserve estimation procedure(s) and classifications applied.</i> • <i>Whether sample compositing has been applied.</i>	• This spacing is adequate to determine the geological and grade continuity for reporting of Mineral Resources. • Compositing to 3m lengths has been applied for the estimation of Mineral Resources
Orientation of data in relation to geological structure	• <i>Whether the orientation of sampling achieves unbiased sampling of possible structures and the extent to which this is known, considering the deposit type.</i> • <i>If the relationship between the drilling orientation and the orientation of key mineralised structures is considered to have introduced a sampling bias, this should be assessed and reported if material.</i>	• Mineralisation at Goulamina outcrops at surface and the steeply dipping geometry of mineralisation is therefore well-defined. • Drilling orientation has not biased the sampling.
Sample security	• <i>The measures taken to ensure sample security.</i>	• Samples are stored on site prior to road transport by Company personnel to the ALS Laboratory in Bamako, Mali. • Chain of custody procedures exist for the transport of material between ALS Laboratories (Mali to Burkina Faso to Perth).
Audits or reviews	• <i>The results of any audits or reviews of sampling techniques and data.</i>	• Cube Consulting undertook a site visit during RC drilling operations to review the sampling techniques. • There has been no external audit or review of the Company's sampling techniques for diamond drilling.

Section 2 - Reporting of Exploration Results

Criteria	JORC Code explanation	Commentary
Mineral tenement and land tenure status	• <i>Type, reference name/number, location and ownership including agreements or material issues with third parties such as joint ventures, partnerships, overriding royalties, native title interests, historical sites, wilderness or national park and environmental settings.</i> • <i>The security of the tenure held at the time of reporting along with any known impediments to obtaining a licence to operate in the area.</i>	• The reported results are from an area within the Torakoro Permit, which is held 100% by Timbuktu Resources SARL, a Malian subsidiary of Birimian Limited • Tenure is in good standing.
Exploration done by other parties	• <i>Acknowledgment and appraisal of exploration by other parties.</i>	• The area which is presently covered by the Torakoro Permit was explored intermittently by government agencies in the period 1990 to 2008. Exploration consisted of soil sampling and mapping for gold. • In 2007-2008 an evaluation of the commercial potential for lithium at Goulamina was undertaken by CSA Global as part of the SYSMIN 7 economic development program. • CSA undertook mapping and bulk sampling of the Goulamina outcrop but did not undertake drilling. Bulk sampling and preliminary processing

Criteria	JORC Code explanation	Commentary
		testwork confirmed the viability of the pegmatite at Goulamina to produce a high quality chemical grade lithium concentrate
Geology	<i>Deposit type, geological setting and style of mineralisation.</i>	Pegmatite Hosted Lithium Deposits are the target for exploration. This style of mineralisation typically forms as dykes and sills intruding or in proximity to granite host rocks. Surficial geology within the project area typically consists of indurated gravels forming plateaux, and broad depositional plains consisting of colluvium and alluvial to approximately 5m vertical depth. Lateritic weathering is common away from the Goulamina deposit and in the broader project area.
Drill hole Information	<i>A summary of all information material to the understanding of the exploration results including a tabulation of the following information for all Material drill holes:</i> <i>easting and northing of the drill hole collar</i> <i>elevation or RL (Reduced Level – elevation above sea level in metres) of the drill hole collar</i> <i>dip and azimuth of the hole</i> <i>down hole length and interception depth</i> <i>hole length.</i> <i>If the exclusion of this information is justified on the basis that the information is not Material and this exclusion does not detract from the understanding of the report, the Competent Person should clearly explain why this is the case.</i>	All relevant data from 2016 drilling programs has been previously released to the market.
Data aggregation methods	<i>In reporting Exploration Results, weighting averaging techniques, maximum and/or minimum grade truncations (eg cutting of high grades) and cut-off grades are usually Material and should be stated.</i> <i>Where aggregate intercepts incorporate short lengths of high grade results and longer lengths of low grade results, the procedure used for such aggregation should be stated and some typical examples of such aggregations should be shown in detail.</i> <i>The assumptions used for any reporting of metal equivalent values should be clearly stated.</i>	All relevant data from 2016 drilling programs has been previously released to the market.
Relationship between mineralisation widths and intercept lengths	<i>These relationships are particularly important in the reporting of Exploration Results.</i> <i>If the geometry of the mineralisation with respect to the drill hole angle is known, its nature should be reported.</i> <i>If it is not known and only the down hole lengths are reported, there should be a</i>	All relevant data from 2016 drilling programs has been previously released to the market.

Criteria	JORC Code explanation	Commentary
	<i>clear statement to this effect (eg 'down hole length, true width not known').</i>	
Diagrams	• <i>Appropriate maps and sections (with scales) and tabulations of intercepts should be included for any significant discovery being reported. These should include, but not be limited to a plan view of drill hole collar locations and appropriate sectional views.</i>	• All relevant data from 2016 drilling programs has been previously released to the market.
Balanced reporting	• <i>Where comprehensive reporting of all Exploration Results is not practicable, representative reporting of both low and high grades and/or widths should be practiced to avoid misleading reporting of Exploration Results.</i>	• All relevant data from 2016 drilling programs has been previously released to the market.
Other substantive exploration data	• <i>Other exploration data, if meaningful and material, should be reported including (but not limited to): geological observations; geophysical survey results; geochemical survey results; bulk samples – size and method of treatment; metallurgical test results; bulk density, groundwater, geotechnical and rock characteristics; potential deleterious or contaminating substances.</i>	• Density measurements taken by Archimedes Method (water displacement) of core samples from 14 holes, all in unweathered material. • Whole core was used, but neither coated nor waxed. • These measurements were used to determine the bulk density for the Mineral Resource. • In addition to lithium (as Li₂O), all holes were assayed for a multi-element suite to evaluate the presence of any potential co-product or contaminating material.
Further work	• <i>The nature and scale of planned further work (eg tests for lateral extensions or depth extensions or large-scale step-out drilling).</i> • <i>Diagrams clearly highlighting the areas of possible extensions, including the main geological interpretations and future drilling areas, provided this information is not commercially sensitive.</i>	• The Mineral Resource estimate will be used to support a scoping level assessment of the key processing parameters and estimate capital costs, which will be used to define subsequent phases of detailed work at the Bougouni Li Project. • An environmental consultancy has been engaged to undertake a preliminary social and environmental assessment at Goulamina.

Section 3 - Estimation and Reporting of Mineral Resources

Criteria	JORC Code explanation	Commentary
Database integrity	• <i>Measures taken to ensure that data has not been corrupted by, for example, transcription or keying errors, between its initial collection and its use for Mineral Resource estimation purposes.</i> • <i>Data validation procedures used.</i>	• Drilling database is maintained by Birimian's database consultant (Rock Solid Data Consultancy) in Datashed software, look-up tables and fixed formatting are used for entering logging, spatial and sampling data for the deposit databases. Sample numbers are uniquely coded and pre-numbered bags used. Data transfer for downhole survey and assaying information is electronic via email. These and other workflow methods minimise the potential of errors. • Cube received data directly exported from Datashed in ASCII format, then

Criteria	JORC Code explanation	Commentary
		completed validation checks on the database comparing maximum hole depths checks on all data, duplicate numbering, missing data, and interval error checks using validation rules in MS Excel before importing records into MS Access. Cube then verified the data using visual inspection of the drillholes in Surpac v6.7, in 3D to identify inconsistencies of drill hole traces.
Site visits	• <i>Comment on any site visits undertaken by the Competent Person and the outcome of those visits.</i> • <i>If no site visits have been undertaken indicate why this is the case.</i>	• Matt Bampton (Senior Consultant – Cube Consulting) who is the Competent Person, conducted a site visit in May 2016, during which time he inspected the Project area including RC drilling, sampling and sample despatch for the receiving laboratory. Notes and photographs were taken along with discussions with site personnel regarding geology and mineralisation of the deposits, procedures, sampling and database procedures, and Quality Control procedures. Minor recommendations were made during a visit to the RC rig involving modifications to the vibrating splitter, and to record and collate - where possible - the depth of intersecting the groundwater table. Also minor recommendations were made for elements of the (then) planned diamond infill and extensional drilling programs. No other major issues were encountered.
Geological interpretation	• <i>Confidence in (or conversely, the uncertainty of) the geological interpretation of the mineral deposit.</i> • <i>Nature of the data used and of any assumptions made.</i> • <i>The effect, if any, of alternative interpretations on Mineral Resource estimation.</i> • <i>The use of geology in guiding and controlling Mineral Resource estimation.</i> • <i>The factors affecting continuity both of grade and geology.</i>	• The confidence in the geological interpretation of Main Zone and West Zone of the Goulamina Pegmatites is good as a result of the consistency of intercepts in RC and diamond core drilling programs, and their correlation to the surface outcrops and sub-crops of spodumene-rich pegmatites. • There is a very strong correlation between the mineralised portion of the pegmatite dykes and the total dyke intercept. Very little pegmatite material is not significantly elevated in lithium content; thus the mineralisation boundaries generally match the lithological boundaries of the dykes. • The confidence in the geological interpretation of two narrow parallel or cross-cutting pegmatites is low, as the surface interpretation from outcrop and sub-crop is generally supported by only 1-2 drill-hole intercepts. This confidence is reflected in the resource classification.

Criteria	JORC Code explanation	Commentary
Dimensions	<i>The extent and variability of the Mineral Resource expressed as length (along strike or otherwise), plan width, and depth below surface to the upper and lower limits of the Mineral Resource.</i>	The Goulamina Mineral Resource area has dimensions of 625m (strike length) in two main dykes up to 70m (true width) and 200m (below surface). The maximum depth known to date for the deepest mineralisation is 160m below the surface.
Estimation and modelling techniques	<i>The nature and appropriateness of the estimation technique(s) applied and key assumptions, including treatment of extreme grade values, domaining, interpolation parameters and maximum distance of extrapolation from data points. If a computer assisted estimation method was chosen include a description of computer software and parameters used.</i> <i>The availability of check estimates, previous estimates and/or mine production records and whether the Mineral Resource estimate takes appropriate account of such data.</i> <i>The assumptions made regarding recovery of by-products.</i> <i>Estimation of deleterious elements or other non-grade variables of economic significance (eg sulphur for acid mine drainage characterisation).</i> <i>In the case of block model interpolation, the block size in relation to the average sample spacing and the search employed.</i> <i>Any assumptions behind modelling of selective mining units.</i> <i>Any assumptions about correlation between variables.</i> <i>Description of how the geological interpretation was used to control the resource estimates.</i> <i>Discussion of basis for using or not using grade cutting or capping.</i> <i>The process of validation, the checking process used, the comparison of model data to drill hole data, and use of reconciliation data if available.</i>	- The block model was constructed using interpolation of grade via Ordinary Kriging (OK), with an Inverse Distance method used as an internal check, a global model was considered to be appropriate for preliminary scoping level studies. - High grade values were reviewed, but it was considered that application of top-cuts was not required. - Mineralised domains for 4 separate pegmatite dykes were digitised in cross-section using 3D strings and then wireframed to generate solids. These were a subset of lithological wireframes of these pegmatite dykes. - Drillhole sample data was flagged using domain codes generated from three dimensional mineralisation domains and oxidation surfaces. Sample data was composited to three metre downhole lengths using a best fit-method. - Interpolation parameters were set to a minimum number of 12 composites and a maximum number of 24 composites for the estimate. A maximum search ellipse of 150m was used for estimation runs in the reportable resource. - Computer software used for the modelling and estimation was Surpac v6.7, with SuperVisor software used to conduct geostatistical and variographic analysis. - No by-product recoveries were considered; Fe₂O₃ was estimated, as an element of potential interest in terms of a future spodumene concentrate. - The parent block size used is 20mN x 20m E x 5m RL and sub-blocked to 1.25mN x 2.5mE x 2.5mRL. The bulk of the drilling data was on 50m x 50m spaced sections. - No assumptions of selective mining units were made. - The mineralised domains acted as a hard boundary to control the Mineral Resource estimate. - Block model validation was conducted by the following means: - Visual inspection of block model estimation in relation to raw drill data on a section by section basis. - Volumetric comparison of the wireframe/solid volume to that of the

Criteria	JORC Code explanation	Commentary
		block model volume for each domain. - A global statistical comparisons of input and block grades, and local composite grade (by northing and RL) relationship plots (swath plots), to the block model estimated grade for each domain. - Comparison of the (de-clustered) cut grade drill hole composites with the block model grades for each lode domain in 3D. - No mining has taken place and therefore no reconciliation data is available.
Moisture	<i>Whether the tonnages are estimated on a dry basis or with natural moisture, and the method of determination of the moisture content.</i>	The tonnages are estimated on a dry basis.
Cut-off parameters	<i>The basis of the adopted cut-off grade(s) or quality parameters applied.</i>	Cut-off grade for reporting is 0.0% % Li_2O, in line with recommendations based on preliminary economic considerations and the minimum grade required that can be upgraded to make a saleable lithium concentrate.
Mining factors or assumptions	<i>Assumptions made regarding possible mining methods, minimum mining dimensions and internal (or, if applicable, external) mining dilution. It is always necessary as part of the process of determining reasonable prospects for eventual economic extraction to consider potential mining methods, but the assumptions made regarding mining methods and parameters when estimating Mineral Resources may not always be rigorous. Where this is the case, this should be reported with an explanation of the basis of the mining assumptions made.</i>	- The preliminary mining studies are based on open cut mining methods using a contract mining fleet and conventional drill and blast mining methods. - These studies have been used to generate an open pit shell to limit the material in the block model to that component which is considered to have reasonable prospects for eventual economic extraction
Metallurgical factors or assumptions	<i>The basis for assumptions or predictions regarding metallurgical amenability. It is always necessary as part of the process of determining reasonable prospects for eventual economic extraction to consider potential metallurgical methods, but the assumptions regarding metallurgical treatment processes and parameters made when reporting Mineral Resources may not always be rigorous. Where this is the case, this should be reported with an explanation of the basis of the metallurgical assumptions made.</i>	- In 2007-2008 CSA undertook mapping and bulk sampling of the Goulamina outcrop but did not undertake drilling. - They collected a representative bulk sample comprising 3,150kg of material, which was subsequently crushed and split to 750kg for detailed processing test work. - This work included evaluations of screen sizing to optimize spodumene (lithium) recoveries and preliminary dense media separation tests. - The results of this study indicated good spodumene recoveries (~84.7%) and a high mass yield, to produce a high quality 'chemical grade' spodumene concentrate (~6.7% Li_2O).
Environmental factors or assumptions	<i>Assumptions made regarding possible waste and process residue disposal options. It is always necessary as part of the process of determining reasonable</i>	- No environmental or social assessment of the Project has been done. - The Mineral Resource estimate will

Criteria	JORC Code explanation	Commentary
	<i>prospects for eventual economic extraction to consider the potential environmental impacts of the mining and processing operation. While at this stage the determination of potential environmental impacts, particularly for a greenfields project, may not always be well advanced, the status of early consideration of these potential environmental impacts should be reported. Where these aspects have not been considered this should be reported with an explanation of the environmental assumptions made.</i>	be used to support a scoping level assessment of the key project parameters, including those that impact on environmental factors. An environmental consultancy has been engaged to undertake a preliminary social and environmental assessment at Goulamina.
Bulk density	<i>Whether assumed or determined. If assumed, the basis for the assumptions. If determined, the method used, whether wet or dry, the frequency of the measurements, the nature, size and representativeness of the samples.</i> <i>The bulk density for bulk material must have been measured by methods that adequately account for void spaces (vugs, porosity, etc), moisture and differences between rock and alteration zones within the deposit.</i> <i>Discuss assumptions for bulk density estimates used in the evaluation process of the different materials.</i>	- Bulk density determination for unweathered material is derived from an analysis of dry density measurements of drill core from 14 diamond holes. - Whole core was used, but neither coated nor waxed. The risk of not using a method which adequately accounts for potential void spaces is considered to be low in both the pegmatites and granitic rocks. - In weathered material (including minor transported colluvium and <i>in-situ</i> laterite), bulk density was assumed, based on data from other equivalent granite-hosted deposits. - Bulk density was assigned within the block model attribute 'density' according to the weathering profiles and rock types.
Classification	<i>The basis for the classification of the Mineral Resources into varying confidence categories.</i> <i>Whether appropriate account has been taken of all relevant factors (i.e. relative confidence in tonnage/grade estimations, reliability of input data, confidence in continuity of geology and metal values, quality, quantity and distribution of the data).</i> <i>Whether the result appropriately reflects the Competent Person's view of the deposit.</i>	- Blocks have been classified as Indicated or Inferred, based on a combination of data spacing, interpolation metadata (number of composites used, conditional bias slope, kriging variance) and geological understanding. Indicated Mineral Resources are defined nominally on 50m x 50m to 50m x 25m spaced drilling within the Main Zone pegmatite. Inferred Mineral Resources are in part defined by data density greater than 50m x 50m spaced drilling within the Main Zone pegmatite, and for the bulk of the West Zone pegmatite. - The Mineral Resource estimate appropriately reflects the Competent Person's view of the deposit.
Audits or reviews	<i>The results of any audits or reviews of Mineral Resource estimates.</i>	Whilst Mr. Bampton (Competent Person) is considered to be independent of Birimian, no third party reviews have as yet been completed on the October 2016 Mineral Resource
Discussion of relative accuracy/	<i>Where appropriate a statement of the relative accuracy and confidence level in the Mineral Resource estimate using</i>	The relative accuracy of the Mineral Resource estimate is reflected in the reporting of the Mineral Resource in

Criteria	JORC Code explanation	Commentary
confidence	<i>an approach or procedure deemed appropriate by the Competent Person. For example, the application of statistical or geostatistical procedures to quantify the relative accuracy of the resource within stated confidence limits, or, if such an approach is not deemed appropriate, a qualitative discussion of the factors that could affect the relative accuracy and confidence of the estimate.</i> <i>The statement should specify whether it relates to global or local estimates, and, if local, state the relevant tonnages, which should be relevant to technical and economic evaluation. Documentation should include assumptions made and the procedures used.</i> <i>These statements of relative accuracy and confidence of the estimate should be compared with production data, where available.</i>	accordance with the guidelines of the 2012 JORC Code. The statement relates to global estimates of tonnes and grade.