

ASX Release

24 February 2015

Company Details

ASX Code:	STB
Share Price	\$0.245
Market Cap	\$37M
Shares on issue	149M
Company options	28M
Cash at Bank	\$8.5M

Contact Details

Managing Director

Paul Donaldson

Address

Ground Floor, 31 Ventnor Avenue
West Perth WA 6000

PO Box 970
West Perth WA 6872

Telephone

+61 8 6315 1444

Facsimile

+61 8 9486 7093

Email & Web Page

info@southbouldermines.com.au

www.southbouldermines.com.au

Second Tranche of Baseline Assessments Submitted

Highlights

- Four additional baseline assessments submitted to Eritrean Ministry of Energy and Mines
- Positive feedback received from first tranche of baseline submissions
- Final tranche of baseline submissions to be completed and submitted in Q2 2015
- PFS results anticipated to be completed in February 2015

South Boulder Mines (ASX: STB) ("South Boulder" or "the Company") is pleased to announce the submission of the second tranche of Environmental Baseline Assessments to the Eritrean Ministry of Energy and Mines. The baseline assessments are outlined in the Terms of Reference for the project's environmental requirements established between the Eritrean Ministry of Environment and South Boulder.

The baseline assessments, which include noise, air quality, mine waste characterisation and birds, were completed by STB Eritrea personnel along with environmental consultants MBS Environmental and WKC.

Mine waste characterisation work was completed using data from the most recent drilling campaign on site.

Feedback has also been received on the first tranche of baselines submitted in August 2014. No material issues have been identified from the work carried out to date.

The final tranche of baseline assessments still outstanding will include oceanography, marine wildlife and habitat, hydrogeology, and hydrology and climate. South Boulder expects that these assessments will be completed and submitted in Q2 2015.

South Boulder's Managing Director, Paul Donaldson, commented "We are pleased to have completed and submitted our second tranche of baseline assessments and to have received positive feedback on the first tranche we submitted in August 2014. Having all of the baseline assessments completed and submitted well ahead of the definitive feasibility study will ensure that we minimise the duration of the approval process for the mining licence application.

"We are in the final stages of completing the PFS for the production of potassium sulphate with study results being completed in February 2015. Metallurgical optimisation testwork and pilot studies are continuing for the DFS".

More information:

Email: info@southbouldermines.com.au

Website: www.southbouldermines.com.au

South Boulder Mines Limited: Telephone +61 8 6315 1444

ABN: 56 097 904 302

Paul Donaldson
MANAGING DIRECTOR

Amy Just
COMPANY SECRETARY

About South Boulder Mines Ltd

South Boulder is an ASX-listed (ASX: STB) resources company currently developing the emerging, world-class Colluli Potash Project located in Eritrea, Africa. The Colluli Potash Project is located in the Danakil Depression region of Eritrea ~65km from the coast comprising approximately 500km². South Boulder Mines Limited has been actively exploring for potash at the Colluli Potash Project in Eritrea since 2009. Colluli is the world's shallowest potash deposit (starting at 16m), facilitating the low capex open pit mining and favourably positioned to supply the world's fastest growing markets.

The JORC/Ni43-101 Compliant Mineral Resource Estimate for the flagship Colluli Potash Project now stands at 1.08 billion tonnes @ 18% KCl for 194Mt of contained potash. Substantial project upside exists in higher production capacity and market development for other contained products. Engineering Scoping Study (ESS) results were favourable, proving that an economic 2Mt p.a. potash mine can be built at a materially lower cost than typical potash development. The start-up capital cost for Colluli is one of the lowest in the industry; couple this with cheap expansion capability via open pit mining methods, excellent infrastructure and location, and it becomes even more attractive, ensuring South Boulder gains a high level of investment interest for the long term. South Boulder Mines Ltd is working steadily towards developing the world's first, modern, open pit potash mine.

Competent Persons and Responsibility Statement

The Colluli Potash Project has a current JORC/Ni43-101 Compliant Measured, Indicated and Inferred Mineral Resource Estimate of 1,079.00Mt @ 17.97% KCl or 11.35% K₂O (total contained potash of 194.09Mt KCl or 122.61Mt K₂O). The resource contains 261.81Mt @ 17.94% KCl or 11.33% K₂O of Measured Resources, 674.48Mt @ 17.98% KCl or 11.36% K₂O of Indicated Resources and 143.50Mt @ 18.00% KCl or 11.37% K₂O of Inferred Resources.

This information was prepared and first disclosed under the JORC Code 2004. It has not been updated since to comply with the JORC Code 2012 on the basis that the information has not materially changed since it was last reported by independent consultants ERCOSPLAN and announced by South Boulder on 16 April 2012.

The information in this report that relates to Exploration Results and Mineral Resources is based on information compiled by Greg Knox using estimates supplied by South Boulder Mines Ltd under supervision by Ercosplan. Dr Henry Rauche and Dr Sebastiaan Van

Der Klauw are co-authors of the JORC and Ni43-101 compliant resource report. Greg Knox is a member in good standing of the Australian Institute of Mining and Metallurgy and Dr.s' Rauche and Van Der Klauw are members in good standing of the European Federation of Geologists (EurGeol) which is a "Recognised Overseas Professional Organisation" (ROPO). A ROPO is an accredited organisation to which Competent Persons must belong for the purpose of preparing reports on Exploration Results, Mineral Resources and Ore Reserves for submission to the ASX.

MrKnox, DrRauche and Dr Van Der Klauw are geologists and they have sufficient experience which is relevant to the style of mineralisation and type of deposit under consideration and to the activity which they have undertaken to qualify as a Competent Person as defined in the 2004 Edition of the "Australian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves". Mr Knox, Dr Rauche and Dr Van Der Klauw consent to the inclusion in the report of the matters based on information in the form and context in which it appears.

Quality Control and Quality Assurance

South Boulder Exploration programs follow standard operating and quality assurance procedures to ensure that all sampling techniques and sample results meet international reporting standards. Drill holes are located using GPS coordinates using WGS84 Datum, all mineralisation intervals are downhole and are true width intervals. Assay values are shown above a cut-off of 6% K₂O. The samples are derived from HQ diamond drill core, which in the case of carnallite ores, are sealed in heat sealed plastic tubing immediately as it is drilled to preserve the sample. Significant sample intervals are dry quarter cut using a diamond saw and then resealed and double bagged for transport to the laboratory. Halite blanks and duplicate samples are submitted with each hole. Chemical analyses were conducted by Kali-UmwelttechnikGmbH Sondershausen, Germany utilising flame emission spectrometry, atomic absorption spectroscopy and ionchromatography. Kali-Umwelttechnik (KUTEC) Sondershausen1 have extensive experience in analysis of salt rock and brine samples and is certified according by DIN EN ISO/IEC 17025 by the Deutsche AkkreditierungssystemPrüfwesen GmbH (DAR). The laboratory follow standard procedures for the analysis of potash salt rocks chemical analysis (K+, Na+, Mg2+, Ca2+, Cl-, SO42-, H2O) and X-ray diffraction (XRD) analysis of the same samples as for chemical analysis to determine a qualitative mineral composition, which combined with the chemical analysis gives a quantitative mineral composition.