South Boulder Mines (ASX: STB) ("South Boulder" or "the Company") is pleased to lodge a copy of the presentation that Mr. Paul Donaldson will be giving at various investor events throughout the week.

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  Amy Just
MANAGING DIRECTOR  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.

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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-UmwelttechnikGmbHSondershausen, 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 AkkreditierungsgesellschaftPrüfwesen 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.
Investor Update

November 2014

Paul Donaldson – CEO and Managing Director

Helping grow a better future
Forward Looking Statements and Disclaimer

The information in this presentation is published to inform you about South Boulder Mines (the “Company” or “STB”) and its activities. STB has endeavoured to ensure that the information in this presentation is accurate at the time of release, and that it accurately reflects the Company’s intentions. All statements in this presentation, other than statements of historical facts, that address future production, project development, reserve or resource potential, exploration drilling, exploitation activities, corporate transactions and events or developments that the ‘Company expects to occur, are forward-looking statements. Although the Company believes the expectations expressed in such statements are based on reasonable assumptions, such statements are not guarantees of future performance and actual results or developments may differ materially from those in forward-looking statements.

Factors that could cause actual results to differ materially from those in forward-looking statements include market prices of potash and, exploitation and exploration successes, capital and operating costs, changes in project parameters as plans continue to be evaluated, continued availability of capital and financing and general economic, market or business conditions, as well as those factors disclosed in the Company's filed documents.

There can be no assurance that the development of the Colluli Project will proceed as planned. Accordingly, readers should not place undue reliance on forward looking information. Mineral Resources have been estimated using the Australian JORC (2004) Code (‘JORC 2004’), which is a permitted code under Canadian National Instrument 43-101 (‘NI 43-101’). In addition to the CIM Definition Standards on Mineral Resources and Mineral Reserves. Mineral Resource classifications under the two reporting codes are recognised as equivalent in categories with no material differences. To the extent permitted by law, the Company accepts no responsibility or liability for any losses or damages of any kind arising out of the use of any information contained in this presentation. Recipients should make their own enquiries in relation to any investment decisions.
Corporate Overview

Capital Structure as at November 2014

- Ordinary shares on issue: 139.43m
- Options on issue: 23m
- Share Price: $0.215
- Undiluted Market Capitalisation: $29.98m
- Debt: $0
- Cash: $8.9m
- Undiluted Enterprise Value: $21.1m

Directors and Management

- Seamus Cornelius: Non executive chairman
- Tony Kiernan: Non executive director
- Liam Cornelius: Non executive director
- Paul Donaldson: Managing Director
- James Durrant: Project Manager
- Zeray Leake: Country Manager

1 As of 13th November 2014
Corporate Overview

**Major Shareholders**

<table>
<thead>
<tr>
<th>Shareholder</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sprott Asset Management</td>
<td>10.96%</td>
</tr>
<tr>
<td>Kam Lung Investment Development Co</td>
<td>7.17%</td>
</tr>
<tr>
<td>Top 25 shareholders</td>
<td>62.15%</td>
</tr>
<tr>
<td>STB Management</td>
<td>13%</td>
</tr>
</tbody>
</table>

**STB Shareholder Distribution**

- Retail investors: 69%
- Directors & management: 13%
- Institutional investor - Sprott Asset Management: 11%
- Institutional investor - Kam Lung Investment Development Co: 7%
Colluli highlights

1. Large, high grade potassium bearing resource close to surface in an emerging potash province.

2. Close proximity to coast and geographically favourable relative to key markets.

3. Highly favourably suite of potassium bearing salts for low cost production of potassium sulphate (SOP or sulphate of potash) using simple mineral processing units (flotation and mixing).

4. Joint venture with Eritrean National Mining Company (ENAMCO) a key enabler for project success.

5. Pre-feasibility studies are well advanced and will be completed early 2015.

6. Definitive feasibility testwork has commenced and is running in parallel with pre-feasibility work. Expected completion mid-2015.
Large, high grade potassium bearing resource – suitable for SOP production

Over 1 billion tonnes of potassium bearing salts – suitable for the production of potash fertilisers.

Shallow mineralisation supports Colluli as open pit – a proven, safer mining method, with better overall resource recovery than underground and solution mining.

One of only three major deposits containing kainite salt (key salt for SOP production) in solid form globally

Colluli at a Glance

<table>
<thead>
<tr>
<th>Location</th>
<th>South Eritrea</th>
</tr>
</thead>
<tbody>
<tr>
<td>Size</td>
<td>Approximately 400km²</td>
</tr>
<tr>
<td>Product</td>
<td>Sulphate of Potash</td>
</tr>
<tr>
<td>Resource¹</td>
<td>Measured: 262Mt</td>
</tr>
<tr>
<td></td>
<td>Indicated: 581Mt</td>
</tr>
<tr>
<td></td>
<td>Inferred: 173Mt</td>
</tr>
<tr>
<td>Total:</td>
<td>1016Mt</td>
</tr>
<tr>
<td>Potassium Bearing Salts</td>
<td>Sylvinite: 110Mt</td>
</tr>
<tr>
<td></td>
<td>Carnallitite: 309Mt</td>
</tr>
<tr>
<td></td>
<td>Kainitite: 597Mt</td>
</tr>
<tr>
<td>Process</td>
<td>Flotation/Solar Evaporation</td>
</tr>
<tr>
<td>Stage</td>
<td>PFS level testwork program underway</td>
</tr>
</tbody>
</table>

¹ Refer to Resource Statement on Page 20
SOP – Premium potash with substantial price premium over potassium chloride

Significant price premium over potassium chloride (MOP)

• Historical price premium has been in the order of 35%
• Current premium over 80%

Price differential reflects lack of new supply

• Price differential has been progressively increasing since 2012
• While potassium chloride supply has grown considerably, low cost potassium sulphate growth has not been realised

*Compass Minerals North American average selling price for sulphate of potash combined with Greenmarkets data, compared to North American average selling price of Potash reported by Potash Corporation of Saskatchewan

Source: Compass Minerals Limited Presentation, Nov’13, Greenmarkets
Limited low cost potassium sulphate (SOP) resources globally

- Compass Minerals
  Utah, USA

- SQM
  Salar de Atacama, Chile

- Xinjiang Luobupo
  Lop Nor, China

Other non brine Potassium sulphate producers
Simple, commercially proven, low energy, high yield process

Metallurgical Results to date are highly favourable

1. Commercial grade potassium sulphate produced from Colluli salt mix using simulated process.
2. Flotation test results > 80% potassium recovery.
3. Elimination of grinding.
4. Overall circuit recovery expected to be ~ 85% potassium recovery.
Close proximity to the coast

The Colluli resource has the most favourable coastal access from the Danakil depression and relative to peers.

- Location is significantly closer to port than potassium sulphate peers.
- Trucking is a low cost option to access port.
- Deepwater access at Anfile Bay suitable for loading vessels up to Panamax size.
Well located to key growth markets
Colluli has many other advantages

1. No communities within the exploration tenements.

2. Process can accommodate seawater – consistent and unlimited water supply to be piped from the Red Sea coast to the Colluli site. No major abstraction from local aquifer.

3. Unsealed coastal road runs within 60km of the Colluli site.

4. Simple logistics for minesite consumables (only 180km from Massawa port).

5. No clearing required.

6. Ease of access for construction equipment and mining fleet.
Strong and effective relationship with Eritrean government

• Eritrea is a stable jurisdiction; mining is an important component of the country’s economic development and government supports new entrants to the industry

• Reputation clear government policy

• STB and the Eritrean National Mining Company (ENAMCO) are working collaboratively on developing the project
• The Colluli potash project is 100% owned by the Colluli Mining Share Company (CMSC).
• CMSC is a formally incorporated and established entity.
• STB holds 50% stake in CMSC, while Eritrean National Mining Company (ENAMCO) holds the balance.
• Both parties are highly focussed on a successful development.
## 2014 Accomplishments

<table>
<thead>
<tr>
<th>Accomplishment</th>
<th>Month</th>
</tr>
</thead>
<tbody>
<tr>
<td>Options review to process all salts completed</td>
<td>Feb</td>
</tr>
<tr>
<td>CMSC incorporated</td>
<td>Mar</td>
</tr>
<tr>
<td>Initiated transfer of resource model to AMC consultants</td>
<td>Mar</td>
</tr>
<tr>
<td>Commencement of metallurgical testwork for SOP production</td>
<td>Apr</td>
</tr>
<tr>
<td>Appointed study manager</td>
<td>May</td>
</tr>
<tr>
<td>Established all project workstreams for feasibility studies</td>
<td>May</td>
</tr>
<tr>
<td>Anfile Bay allocated to the project as export location</td>
<td>Jun</td>
</tr>
<tr>
<td>Oceanography studies initiated</td>
<td>Jul</td>
</tr>
<tr>
<td>First tranche of environmental baselines submitted</td>
<td>Aug</td>
</tr>
<tr>
<td>Resource hole ‘twinning’ and geotech drilling initiated</td>
<td>Sep</td>
</tr>
<tr>
<td>Exploration license renewal completed</td>
<td>Sep</td>
</tr>
<tr>
<td>Prefeasibility process design completed</td>
<td>Oct</td>
</tr>
<tr>
<td>Prefeasibility drilling completed ahead of schedule</td>
<td>Oct</td>
</tr>
<tr>
<td>Commercial grade SOP produced from Colluli salts</td>
<td>Oct</td>
</tr>
<tr>
<td>Milestones</td>
<td>2014E</td>
</tr>
<tr>
<td>----------------------------------------------</td>
<td>-------</td>
</tr>
<tr>
<td>Metallurgical Testwork</td>
<td>Q2</td>
</tr>
<tr>
<td>Preliminary Feasibility Study</td>
<td>Q3</td>
</tr>
<tr>
<td>Finalise the resource</td>
<td>Q4</td>
</tr>
<tr>
<td>Feasibility Study</td>
<td></td>
</tr>
<tr>
<td>Social Environmental Impact Assessment</td>
<td></td>
</tr>
<tr>
<td>Mining License Application</td>
<td></td>
</tr>
<tr>
<td>Funding</td>
<td></td>
</tr>
<tr>
<td>Detailed Engineering</td>
<td></td>
</tr>
<tr>
<td>Phase 1 Construction</td>
<td></td>
</tr>
</tbody>
</table>

PFS well progressed
Upcoming milestones

1. Final metallurgical report and associated mass balances.
2. Completion of mining study.
3. Finalisation of resource review.
4. Initiation of pilot plant for DFS.
5. DFS drilling and completion of hydrogeology work.
6. Aggregation of operating and capital costs.
7. Submission of second tranche of environmental submissions.
8. Finalisation of the pre-feasibility study and lock in module size.
9. Commencement of funding discussions.
1. Colluli is a large, shallow potassium bearing resource with a combination of salts favourable for low energy, high yield production of potassium sulphate.

2. It is close to the coast and positioned favourably relative to key potash consuming markets.

3. Pre-feasibility work has progressed well throughout the year.

4. Metallurgical testwork has verified the process design and high potassium yields.

5. STB has a strong and effective relationship with ENAMCO and see the JV as a project enabler.

6. Feasibility studies are underpinned by a highly capable team.

7. Pre-feasibility completion is planned for February 2015 and DFS by mid 2015.
Thank you
Appendix
The current Colluli JORC-Compliant Mineral Resource Estimate by potash mineral is as follows:

<table>
<thead>
<tr>
<th>Occurrence</th>
<th>Tonnes (Mt)</th>
<th>Equivalent KCl</th>
<th>Contained KCl (Mt)</th>
<th>% of Total Resource</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sylvinite (KCl.NaCl)</td>
<td>110</td>
<td>28.4%</td>
<td>31</td>
<td>16%</td>
</tr>
<tr>
<td>Polysulphate (K₂SO₄.NaCl.MgSO₄.H₂O)</td>
<td>65</td>
<td>10.8%</td>
<td>7</td>
<td>4%</td>
</tr>
<tr>
<td>Carnallite (KCl.MgCl₂.H₂O)</td>
<td>309</td>
<td>12.3%</td>
<td>38</td>
<td>19%</td>
</tr>
<tr>
<td>Kainite (KCl.MgSO₄.3H₂O)</td>
<td>596</td>
<td>19.8%</td>
<td>118</td>
<td>61%</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>1,080</strong></td>
<td><strong>18.0%</strong></td>
<td><strong>194</strong></td>
<td><strong>100%</strong></td>
</tr>
</tbody>
</table>

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Highly capable team working through PFS

Colluli Study Manager : James Durrant
Commencement Date : May 2014

Resource
Mine planning
Mine geotech

Lycopodium

Infrastructure and process design
(with Global Potash Solutions)

AMC

Hydrogeology, ponds
and infrastructure
geotech

Knight Piésold

Metallurgical Testing

Consulting

Export logistics

SRC

Social and Environmental Impact
Assessment

PRDW
Potash is a generic term used to describe a variety of potassium bearing minerals and manufactured chemicals used primarily as fertiliser.

Key drivers of growth

1. Increasing global population: +80 million people annually.
2. Decreasing arable land.
Potash comes in a variety of forms

<table>
<thead>
<tr>
<th>Potash Type</th>
<th>Nutrients</th>
<th>Uses</th>
</tr>
</thead>
<tbody>
<tr>
<td>Potassium Nitrate</td>
<td>Potassium and nitrogen</td>
<td>Chloride sensitive crops that require additional nitrogen</td>
</tr>
<tr>
<td>Sulphate of Potash Magnesia</td>
<td>Potassium, sulphur and magnesium</td>
<td>Specialty fertiliser, high value crops, limited production centres</td>
</tr>
<tr>
<td>Sulphate of Potash</td>
<td>Potassium and sulphur</td>
<td>Chloride intolerant and specialty crops such as fruits, vegetables, nuts, beans and coffee</td>
</tr>
<tr>
<td>Potassium Chloride</td>
<td>Potassium</td>
<td>Staples – wheat, corn, chloride tolerant</td>
</tr>
</tbody>
</table>

Total global potash market approx. 64 million tonnes

Source: UN FAO, BMO Capital Markets
Fertiliser growth underpinned by:

- Growing population: +80 million people per year
- Reduction in arable land: Increased crop yield per acre required
- Changing dietary preferences: Developing economies changing to higher protein diets and increased fruit and vegetable intake

Limited greenfield projects

- Potassium sulphate is geologically scarce
- Only one greenfield project at DFS completion stage
- High energy inputs

- DFS Projects = 1
- PFS Projects = 2

4% CAGR and approx. 2 million tonnes of SOP growth projected over next decade

Source: Parthenon Analysis, EPM Mining
Potassium sulphate (SOP)

- High value potash fertiliser
- Provides both potassium and sulphur in soluble forms
- Lower salt index than MOP (no chloride)
- Suitable for chloride sensitive crops such as fruit, berries, vines, nuts, coffee, tobacco
- Ideal for arid areas where chlorides cannot be washed away
- Used where soil or irrigation water salt levels are high and MOP is undesirable

(SOP) Provides two key nutrients
Potassium and Sulphur
Limited greenfield projects

### Limited greenfield projects and high energy requirements

- Potassium sulphate is geologically scarce
- Only one greenfield project at DFS completion stage
- High energy inputs

- **DFS Projects = 1**
- **PFS Projects = 2**

### Project Details

<table>
<thead>
<tr>
<th>Project</th>
<th>Location</th>
<th>Phase</th>
<th>Capacity</th>
<th>Capex est.</th>
<th>Capital Intensity</th>
<th>Process</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>New Mexico</td>
<td>DFS Complete</td>
<td>700kt/yr</td>
<td>$1.2b</td>
<td>$1714/t</td>
<td>Calcine (500°C), leach, crystallise</td>
</tr>
<tr>
<td>2</td>
<td>Utah</td>
<td>PFS Complete</td>
<td>300kt/yr</td>
<td>$378m</td>
<td>$1260/t</td>
<td>Solar evaporation, slurry (90°C)crystallise</td>
</tr>
<tr>
<td>3</td>
<td>Utah</td>
<td>PFS Complete</td>
<td>770kt/yr</td>
<td>$1.1b</td>
<td>$1429/t</td>
<td>Calcine (550°C), leach, crystallise</td>
</tr>
</tbody>
</table>

Source: IC Ochoa N43-101 Definitive feasibility study  
EPM Sevier Lake, Preliminary feasibility study  
Potash Ridge preliminary feasibility study
## SOP production processes

Energy, yield, and production costs directly related to salt types

<table>
<thead>
<tr>
<th>Salts</th>
<th>Process</th>
<th>Temperature</th>
<th>Potassium Yield</th>
<th>Currently commercially used</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>Kainite + sylvite</td>
<td>Flotation, mixing, crystallisation</td>
<td>Ambient</td>
<td>80 – 85%</td>
<td>✓ ✓</td>
<td>Current process used by low cost brine producers in Utah, Chile and China</td>
</tr>
<tr>
<td>Kainite</td>
<td>Thermal decomposition and crystallisation</td>
<td>50 to 90°C</td>
<td>65 – 75%</td>
<td>❌</td>
<td>Historically used by Itakali at the Pasquasia plant. Variants planned in Utah and Australia</td>
</tr>
<tr>
<td>Langbenite + sylvite</td>
<td>Thermal decomposition and mixing</td>
<td>60 – 90°C</td>
<td>75 – 80%</td>
<td>❌</td>
<td>None found</td>
</tr>
<tr>
<td>Kieserite and sylvite</td>
<td>Hot leaching</td>
<td>75-110°C</td>
<td>Not available</td>
<td>✓</td>
<td>K+S</td>
</tr>
<tr>
<td>Polyhalite</td>
<td>Calcine, hot leach, mechanical vapour recompression, crystallisation</td>
<td>450 – 500°C</td>
<td>80 – 83%</td>
<td>❌</td>
<td>Pilot-tested by the United States Bureau of Mines (“USBM”) from the 1920s to the 1940s, and by Potash Corporation of America (PCA) in the 1950s</td>
</tr>
<tr>
<td>Sulphuric acid plus sylvite</td>
<td>Direct thermal reaction</td>
<td>600°C</td>
<td>Not available</td>
<td>✓</td>
<td>Mannheim process – commonly used in Europe and China</td>
</tr>
</tbody>
</table>


IC Ochoa N43-101 Definitive feasibility study report
Production processes change perception of cost curve

<table>
<thead>
<tr>
<th>From</th>
<th>To</th>
</tr>
</thead>
<tbody>
<tr>
<td>Low cost producers</td>
<td>Kainite and sylvite salts</td>
</tr>
<tr>
<td></td>
<td>*ambient temp, high yield</td>
</tr>
<tr>
<td>Brine Processing</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Potassium rich brines</td>
</tr>
<tr>
<td></td>
<td>• Key producers: SDIC Luobuo, Compass, SQM</td>
</tr>
<tr>
<td>Intermediate cost producers</td>
<td></td>
</tr>
<tr>
<td>Sulphate Salt Reaction</td>
<td>Thermally decomposed kainite</td>
</tr>
<tr>
<td></td>
<td>Langbenite sylvinite</td>
</tr>
<tr>
<td></td>
<td>Kieserite and sylvite</td>
</tr>
<tr>
<td>High cost producers</td>
<td>Mannheim</td>
</tr>
<tr>
<td>Mannheim</td>
<td>• Converts MOP to SOP using sulfuric acid</td>
</tr>
<tr>
<td></td>
<td>• Energy intensive</td>
</tr>
<tr>
<td></td>
<td>• Key Producers: Tessenderlo group, Chinese privates</td>
</tr>
</tbody>
</table>

Source: EPM Sevier Lake, 2014 Investor presentation
Recovery enhanced by capturing and evaporating exiting brines

Potassium chloride produced is combined with kainite to produce SOP

This is the lowest energy input, highest potassium yield route to potassium sulphate
Production process is simple and proven

1. Colluli’s key salts can be purified using simple liberation and conventional flotation processes.

2. The combination of the purified salts results in an ambient temperature, high yield conversion directly to potassium sulphate.

3. This simple, proven process is currently used by low cost brine producers.

4. The key difference is that Colluli starts with salts rather than brine. This is a major advantage of the Colluli resource. It reduces footprint size, improves reliability of productivity, and reduces complexities of brine chemistry management.

5. The presence of kainite and sylvite (from sylvinitite and carnallite) give the Colluli a major advantage for SOP production. It is the combination of these salts that minimise energy inputs and result in maximum potassium yield.
Colluli’s salts start in solid form

1. Limited resources globally with kainite in solid form
2. Mostly produced from sulphate rich brines (5kg of potassium per tonne of water)
3. Advantages of starting with salts in solid form:
   i. Reduced footprint (no up front evaporation)
   ii. High concentration from commencement – brines approx. 5kg per tonne of water
   iii. Faster ramp up – no requirement to generate harvest salt ahead of production
   iv. Reliability of production – production is not materially impacted by changes in ambient conditions
   v. Less complex – brine chemistry needs to be carefully managed to generate harvest salts of the desired composition – ambient conditions can influence the final chemistry
Eritrean Mining Investment rules bias early cashflows to the JV

1. Accelerated depreciation – straight line method over 4 years on all capital and pre-production costs.
2. Carrying forward of losses – up to 10 years.
3. Nominal rate of import duty (0.5%) on all inputs necessary for mining.
4. Simple “one stop” licensing system enabling all the formalities for all types of licenses for mining operations to be completed by a single government agency.
Adopting the principles of modularity

Colluli has changed the development philosophy from large scale development to one where modularity and expandability are key themes.

Why Modularity?

1. Risk Mitigation: Safety, Capital/Commercial
2. Process Optimisation
3. Capital Management
4. Ease of Expandability
Prefeasibility results will underpin module 1 size

Our focus is on balancing fundability, economic return and risk mitigation

1. De-risking the project
2. Resource utilisation – introducing other value accretive products
3. Market penetration
4. Expandability

Example
- Module 1 = 350,000 tonnes product
- Market development for mined rocksalt
- Module 2 = replicate 350,000 tonne module
  - Reduced engineering costs
  - Economy of scale benefits
  - Reduced time to deploy
- Test and deploy direct application kainite as MOP-M type fertiliser
- Develop SOP-M products
Risk mitigation

**Safety:**
- Managing workforce size, skills and training
- Avoiding competition for limited skills within developing mining industry
- Developing capability at a manageable rate

**Capital/Commercial:**
- Analysis of Australian mining projects shows larger % cost increases with increasing project size
- Highest level of confidence in the bracket with the largest number of projects ($100m - $500m)

<table>
<thead>
<tr>
<th>Value of Mining Projects Completed ($m)</th>
<th>20 – 100</th>
<th>101 - 500</th>
<th>501 - 1000</th>
<th>+1000</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number completed</td>
<td>43</td>
<td>54</td>
<td>17</td>
<td>27</td>
</tr>
<tr>
<td>Average cost change</td>
<td>2.4%</td>
<td>-3.8%</td>
<td>4.0%</td>
<td>14.6%</td>
</tr>
</tbody>
</table>

Source: Deloitte Access Economics, March 2014
Process and resource optimisation

Process Optimisation

- Greenfield developments rely on data acquisition and metallurgical test programs for process design. While this proves and derisks the process, operational data and process understanding are core elements of process optimisation.

- Module designs can be optimised with the combination of data, plant performance, improved understanding of raw material and processing behaviour.
Colluli’s infrastructure solution based on modularity

- Simpler logistics
- Reduced Earthworks
- Ease of expandability
- Improved capital management
- Improved process ramp up

Modular Servicing Bays (example)

Modular Fuel Pods (example)

Modular Offices and Camp (example)
Eritrean Mining Investment rules bias early cashflows to the JV

1. Accelerated depreciation – straight line method over 4 years on all capital and pre-production costs.
2. Carrying forward of losses – up to 10 years.
3. Nominal rate of import duty (0.5%) on all inputs necessary for mining.
4. Simple “one stop” licensing system enabling all the formalities for all types of licenses for mining operations to be completed by a single government agency.
Potential market opportunities

Markets for these products are well established.

Potential Markets for Various Resource Mineralisation

<table>
<thead>
<tr>
<th>Mineral Present at Colluli</th>
<th>Colluli Resource&lt;sup&gt;1&lt;/sup&gt;</th>
<th>Global Market Context</th>
</tr>
</thead>
<tbody>
<tr>
<td>rock salt (NaCl)</td>
<td>+ 650Mt</td>
<td>300Mtpa global salt market</td>
</tr>
<tr>
<td>halite (NaCl)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>bischofite (MgCl₂)</td>
<td>+200Mt</td>
<td>6 – 7Mtpa global market</td>
</tr>
<tr>
<td>anhydrite</td>
<td>Avg 4% (~40Mt)</td>
<td>187Mtpa Gypsum market</td>
</tr>
<tr>
<td>kieserite (MgSO₄)</td>
<td>40Mt</td>
<td>Established fertiliser segment</td>
</tr>
</tbody>
</table>

<sup>1</sup> Refer to Resource Statement on Page 25
Experienced board and management

Paul Donaldson, CEO and Managing Director

Mr Donaldson was appointed to the role of Chief Executive Officer in February 2013. He joins South Boulder Mines from a series of senior management roles with BHP Billiton. Mr Donaldson has experience in large scale open cut mine management, supply chain logistics, mineral processing, business improvement and marketing. He has tertiary qualifications in Metallurgy, Chemical Engineering, Mining Engineering and Business Administration.

Seamus Cornelius, Non Executive Chairman

Mr Cornelius has 21 years of corporate experience in both legal and commercial negotiations. He has been based in Shanghai and Beijing since 1993, where he has been living and working as a corporate lawyer. From 2000 to 2011 Mr Cornelius was an international partner with one of Australia’s leading law firms, specialising in cross border investments in the energy and resource sectors.

Tony, Kiernan, Non Executive Director

Mr Kiernan was previously a commercial lawyer and is currently Chairman of the Australian iron ore producer BC Iron Ltd (ASX:BCI) and a non-executive director of several listed mining companies including Chalice Gold Mines Ltd (ASX: CHN), which has been operating in Eritrea since 2009.

Liam Cornelius, Non Executive Director

Mr Cornelius graduated from Curtin University of Technology with a BAppSc in Geology. He has been involved in the exploration industry within Australia and Africa for 18 years.

James Durrant, Project Coordinator

Mr. Durrant joined South Boulder Mines after a series of operational roles within BHP Billiton. With tertiary qualifications in both mechanical and mining engineering, Mr. Durrant brings project management, organisational design and operational management of large scale open cut mines skills to the organisation.

Zeray Leake, Country Manager

Mr Leake is a Geologist with over 12 years experience in the development and exploration of potash, gold, base metals and industrial minerals. Mr Leake previously worked for the Geological Survey of Eritrea.
STB and CMSC have made excellent progress on the Colluli project over the past 12 months.

- Completed studies to process all potassium bearing salts from the resource with associated mine plans.
- Secured access to Anfile Bay for produce export.
- Initiated pre-feasibility study to produce potassium sulphate (SOP) using simple ambient temperature, high potassium yield process.
- Submitted first tranche of environmental baseline assessments.
- Completed strategic share placement to KLID with option for further purchase upon securing a binding offtake agreement for potassium sulphate.
- Completed pre-feasibility drilling for infrastructure locations and pit designs.
- Completed prefeasibility process plant design and process flow diagrams.
- Produced high grade potassium sulphate using Colluli salts and PFS processing design.
- Achieved highly favourable metallurgical test results.
- Reduced infrastructure requirements by evaluating alternate plant configuration.
- PFS completion on track for early 2015.
Our vision is to bring the Colluli project into production using the principles of risk management, resource utilisation and modularity, using the starting module as a growth platform to develop the resource to its full potential.