

**Broken Hill Prospecting Ltd
(ASX: BPL)**

An Australian Exploration company
focussed on the discovery & development
of strategic technology mineral resources

Commodity Exposure

Rare Earth Elements
Heavy Mineral Sands
Cobalt
Base & Precious Metals
Industrial Metals

Directors & Management

Creagh O'Connor
Non-Executive Chairman

Trangie Johnston
Managing Director

Geoff Hill
Non-Executive Director

Matt Hill
Non-Executive Director

Denis Geldard
Non-Executive Director

Ian Morgan
Company Secretary

Capital Structure

Ordinary Shares on Issue (30/1/17) **148M**

Options: Listed **47M**

Market Cap (undiluted at 2.7cps) **\$4M**

Broken Hill Prospecting Ltd

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MAJOR EXPANSION AT LA PAZ RARE EARTH PROJECT, ARIZONA

Highlights

- BPL to double its US footprint of the advanced La Paz Rare Earth Project in Arizona
- Current field activities have identified a significant extension to the NI 43-101 Resource Estimate (2011)
- Detailed structural mapping, sampling and reviewing of historical data has identified mineralisation at higher grade to the SE of the current resource
- Application for additional 660 hectares directly adjacent to the existing La Paz tenements has been submitted to the Bureau of Land Management (BLM)
- Preliminary Economic Assessment continues with bulk samples to progress metallurgical test work being obtained
- Funding plans to advance the La Paz project are progressing well with the SPP offer extended until 6th November
- Considerable local and federal support for security of domestic supplies of strategic technology metals

CEO Trangie Johnston stated:

"The expansion of the La Paz Project, almost doubling our footprint in the area is a huge result for BPL. Our initial work on the ground over the last 2 weeks highlighted the sheer potential that exists at La Paz and the identification of a significant extension to the existing NI 43-101 Resource estimate.

"As such, we immediately moved to expand our tenement coverage to secure the full rare earth potential of the region. The extended zone has been mapped and rock chipped with over 0.5 ton of oxide mineralisation collected for metallurgical test work programs."

Broken Hill Prospecting Limited (“BPL” or “the Company”) the Australian exploration company targeting the discovery and development of strategic technology mineral resources in the USA and Australia, is pleased to advise shareholders of a major expansion of its La Paz Rare Earth Project in Arizona, USA, following the successful results from the Company’s maiden field activities carried out in October.

See BPL’s announcements [20.8.19](#), [21.8.19](#) and [24.9.19](#) detailing the Company’s establishment of its 100% owned US based subsidiary “La Paz Rare Earth LLC” which acquired the La Paz Project in August/September 2019.

La Paz Rare Earth Project

The La Paz Rare Earth Project is located in La Paz County, Arizona, USA. The project lies approximately 170 km north-

west of Phoenix (Figure 1) and is surrounded by world class infrastructure within a mining friendly jurisdiction.

Initial title applications to secure the La Paz deposit comprised 107 unpatented lode mining claims on federally controlled land (Bureau of Land Management: BLM) and a prospecting permit over one section of Arizona State Trust land (259 hectares). The tenements are unencumbered and are now 100% controlled by La Paz Rare Earth LLC.

Recent field activities conducted in October included extensive structural mapping, the collection of rocks chips from surface mineralisation and the collection of bulk samples for metallurgical test work programs (Figure 2). All rock chip samples have been submitted for processing with results expected in the coming months.



Figure 1. BPL has received approval for all titles covering the La Paz rare earth deposit located in western Arizona.

A major focus of the mapping program was the distribution of higher-grade zones within the previous NI 43-101 Resource Estimate. BPL identified that these zones extend to the south-east of the resource and as such, the Company moved quickly to secure these extensions. Applications were submitted to the BLM for an additional 112 unpatented lode mining claims (660 hectares) which is expected to be granted in coming months.

The results from recent field activities will be collated and reviewed with the aim to convert the previous NI 43-101 resource estimate to JORC 2012 standards.

A copy of the NI 43-101 Report can be found at this link: [La Paz NI 43-101 Report](#)

Key Project Highlights Reported under NI 43-101

- Large tonnage deposit with relatively homogeneous TREO (Total Rare Earth Oxide) distribution amenable to open pit extraction.
- Excellent infrastructure and skilled work force in a mining friendly jurisdiction. A high voltage power line runs 11km west of the project, and a high pressure natural gas pipe line 8km to the east. Major rivers and aqueducts are within 8km, though local ground water supplies are likely to meet any future production needs.
- Majority of TREO report to the epidote-group mineral allanite (La-Allanite).
- High reporting of valuable Light LREO (83%) to Heavy TREO (17%) with extremely low thorium/uranium content with clear environmental advantages.
- Metallurgical test work successfully concentrated allanite samples via a combined process of gravity, magnetic and flotation separation.
- Rare earth concentrate was amenable to commercially available leaching technologies.



Figure 2. Results from recent field activities at the La Paz project: **A.** High grade oxide rare earth mineralisation at surface; **B.** Mapping ridges of high grade mineralisation extending into new title application; **C.** Bulk oxide mineralisation samples ready for metallurgical test work programs; **D.** World class infrastructure within 5km of the La Paz Project.



Anthony (Trangie) Johnston
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Broken Hill
PROSPECTING

Diversified Exploration & Development Company

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BPL confirms it is not aware of any new information or data that materially affects the information included in the original market announcements, and, in the case of estimates of Mineral Resources, that all material assumptions and technical parameters underpinning the estimates in the relevant market announcements continue to apply and have not materially changed. BPL confirms that the form and context in which the Competent Person's findings presented have not been materially modified from the original market announcements.

Competent Person's Statement

The information in this report that relates to exploration results, Mineral Resources and Targets is based on information compiled by Mr Anthony Johnston, BSc (Hons), who is a Member of the Australian Institute of Mining and Metallurgy and who is the Managing Director and Chief Executive Officer of Broken Hill Prospecting Limited. Mr Johnston has sufficient experience which is relevant to the style of mineralisation and type of deposits under consideration and to the activity which he is undertaking to qualify as a Competent Person as defined in the 2004 & 2012 Edition of the "Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves". Mr Johnston consents to the inclusion in the announcement of the matters based on his information in the form and context that the information appears.