NEWPORT MINING LIMITED

ANNOUNCEMENT TO THE AUSTRALIAN SECURITIES EXCHANGE: 23 SEPTEMBER 2010

SURFACE SAMPLING RESULTS UP TO 13.01% P_2O_5 IDENTIFIES NEW TARGET AT BLOCK 5 AT MATA DA CORDA PHOSPHATE PROJECT, BRAZIL

Highlights:

- ***Reconnaissance rock chip sampling at the Mata da Corda Phosphate Project ("MCPP") continues to provide further encouragement and identify new drill target areas.***
- ***Rock chip sampling from Block 5 has returned grades of 13.01% and 11.84% P_2O_5 at the surface.***
- ***Scout mapping of Blocks 5, 6 and 10 identified similar rocks as found at the Capacete Target to the east that is currently being drill tested, with very promising thicknesses and strikelengths in excess of 50 kilometres.***
- ***Results justify more extensive sampling and drilling programs over Mata da Corda Regional landholding that covers ~ 300,000 hectares.***

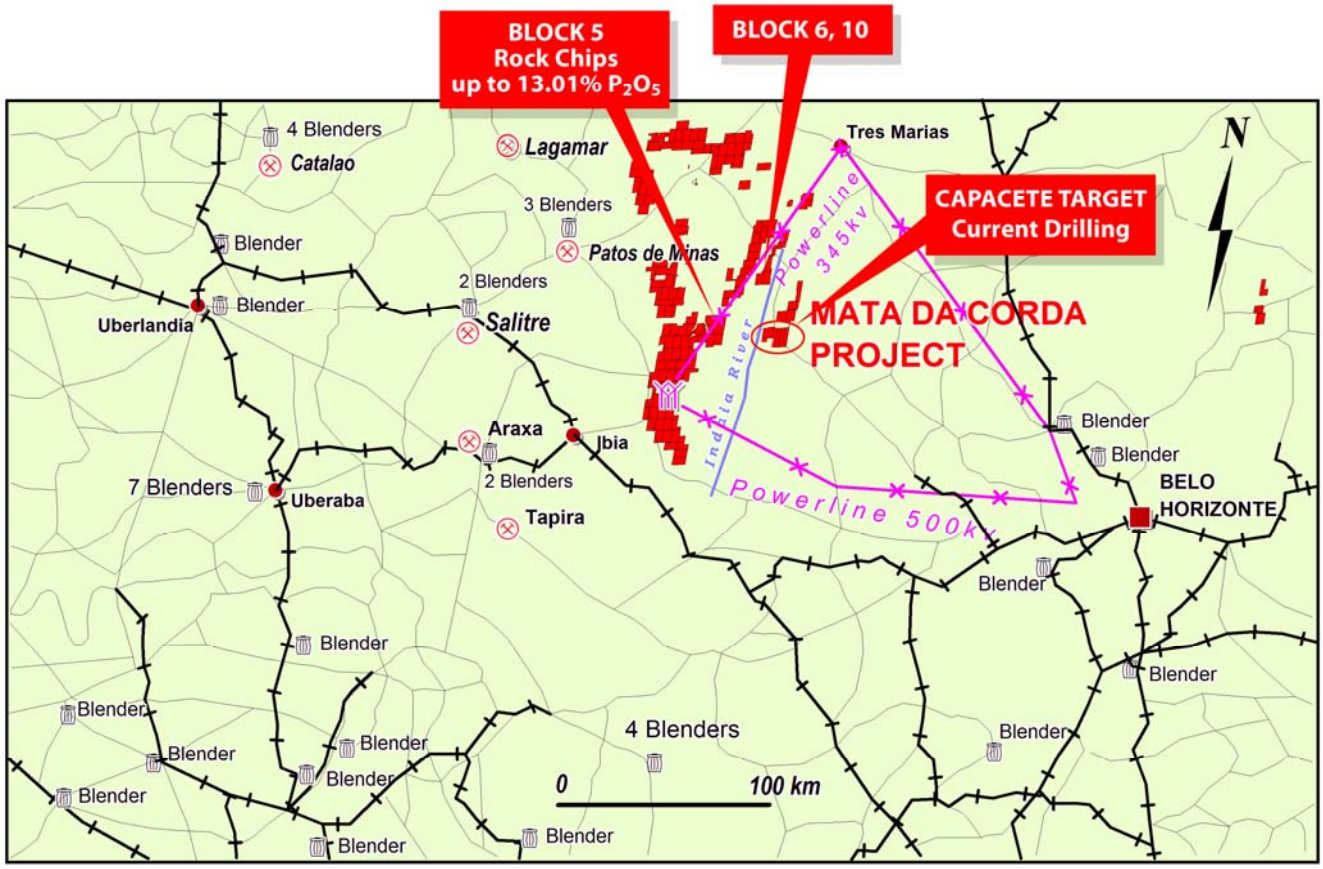

Figure 1: Location of the Mata da Corda Project relative to operating phosphate mines, major fertilizer bulk blenders,infrastructure and location of new sample results from Block 5 and current drilling at Capacete Target.

Newport Mining Limited ABN 94 128 256 888
Level 9, BGC Centre, 28 The Esplanade, Perth WA 6000
Telephone 08 9322 6322 Facsimile 08 9322 6558

*The Board of Newport Mining Limited (**Newport**" or "**Company**") is pleased to announce encouraging reconnaissance rock chip sampling results from the newly staked regional land holding at the Mata da Corda Phosphate Project ("**MCPP**") located in the state of Minas Gerais, Brazil.*

This is the first sampling conducted on the newly acquired areas where the Company completed a large aggressive ground acquisition program in June 2010 of approximately 300,000 hectares. The new results from Block 5 highlight the prospective nature of the MCCP.

"The new results from Block 5 are very significant in that the geological model for targeting new zones has paid immediate dividends." said Mr Simon Taylor, Managing Director of Newport Mining. "It opens up a large area including Blocks 5, 6 and 10 where we have similar rock types with promising thicknesses over large areas in excess of 50 kilometres in length. We will continue to map and rock chip sample these zones in preparation for drill testing."

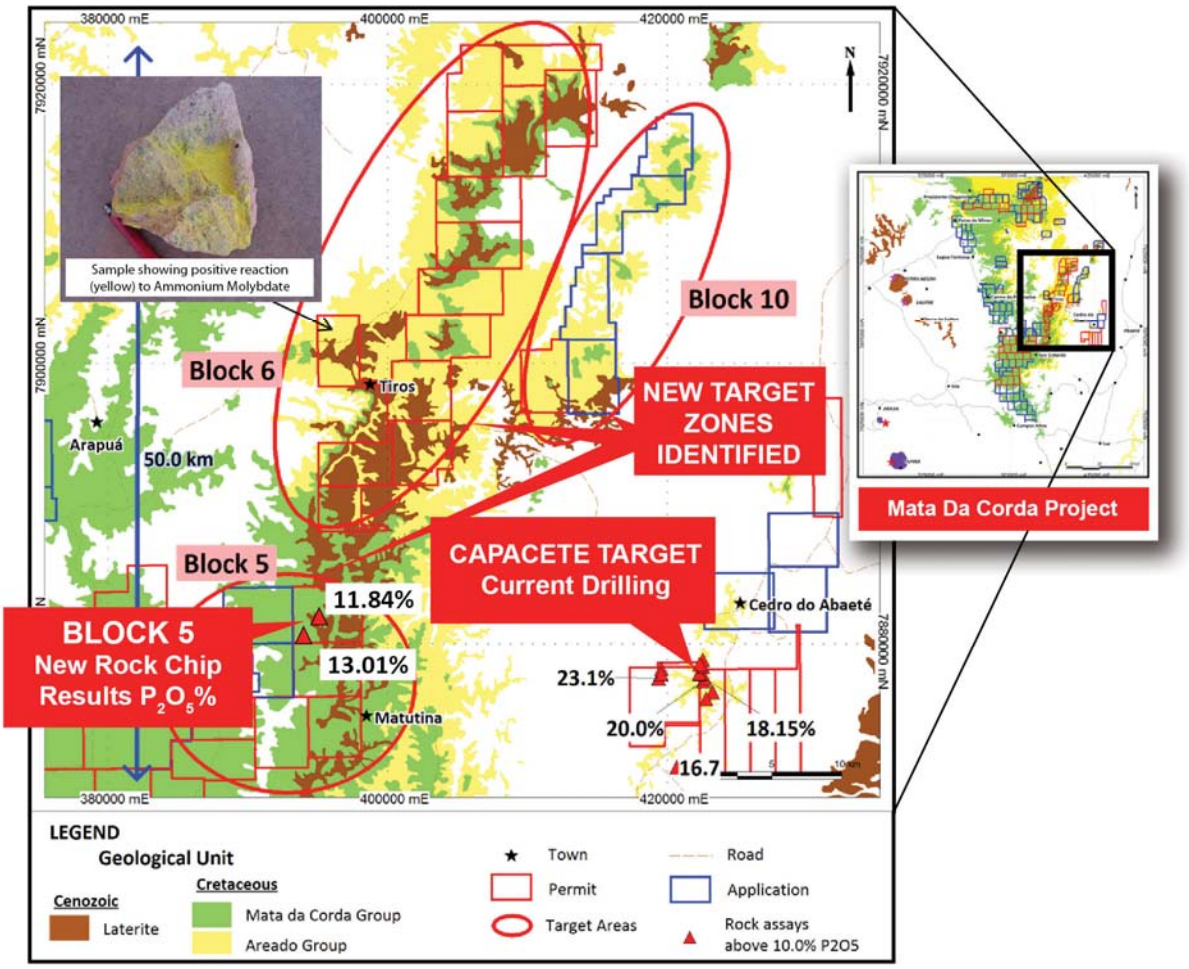

Figure 2: Showing new sample results from Block 5, location of Block 6 and 10 targets and Capacete target to the east.

Enquires: ***Simon Taylor – Managing Director***
Telephone: +61 2 9210 1332

Aaron Wolfe – Vice President, Corporate Development, Forbes & Manhattan
Telephone: +1 416 309 2696

Exploration Results

Rock Chip Sampling

Scout mapping and sampling on the Regional Block 5 identified Capacete epiclastics outcropping along potential thicknesses in excess of 12 metres. ***Refer Figure 3- Photo.***

Rock chip sampling results returned best grades of **11.84% and 13.01% P_2O_5.** Importantly the host rock and associated phosphate mineralization is similar in style to the Capacete Target to the east where the Company is currently drilling.

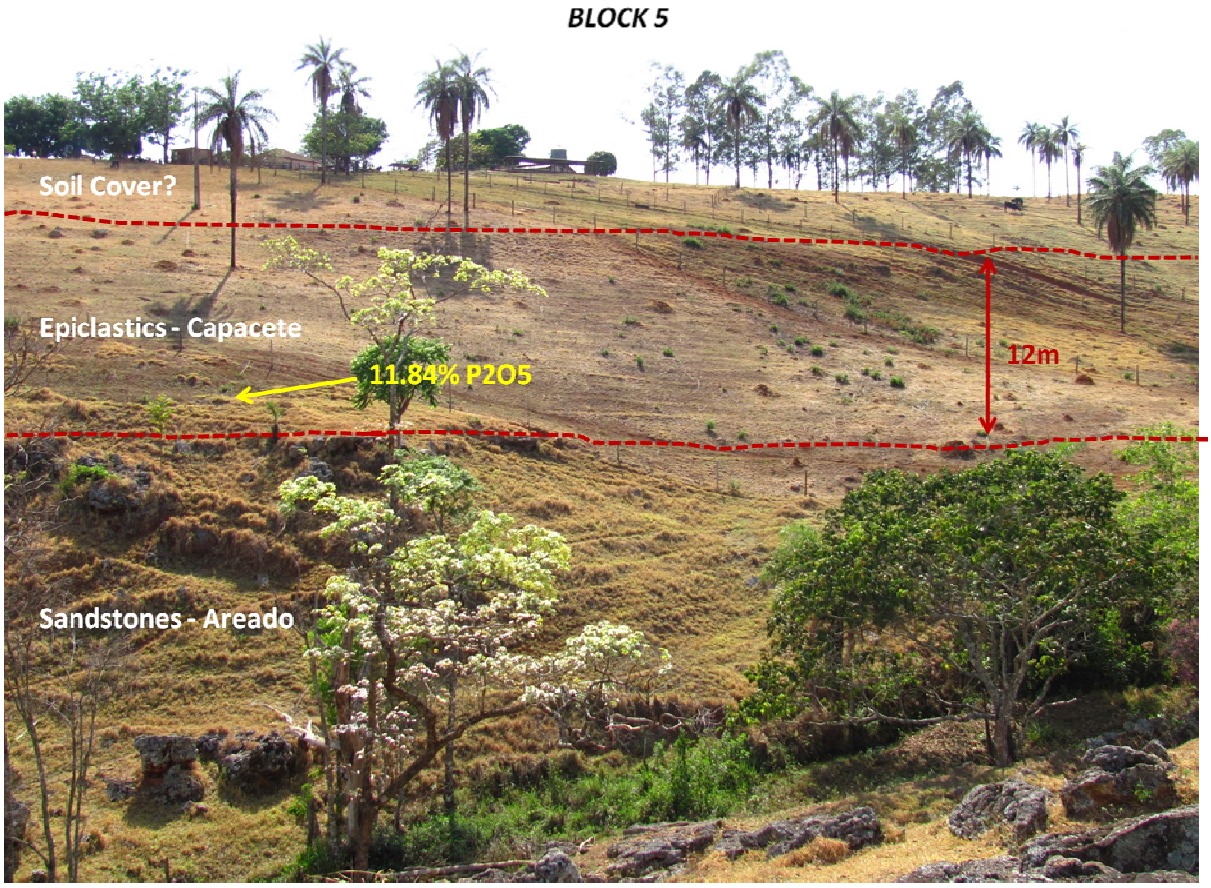

Figure 3: Showing new sample result from Block 5 and interpreted vertical section.

About the Mata da Corda Phosphate Project

The MCPP is located within 150km of the three largest phosphate mines in Brazil; Araxá – Vale (290Mt @ 14.88% P_2O_5), Tapira – Vale (744Mt @ 8.35% P_2O_5) and Catalão – Anglo/Vale (203Mt @ 8.80% P_2O_5). These three mines account for 95% of the phosphate rock production in Brazil. Within this existing transportation corridor there are 32 major bulk fertilizer blenders.

The MCPP now covers approximately 300,000 hectares and sits in the middle of the agricultural and industrialized heartland of the southeast region of Brazil in the state of Minas Gerais (English Translation = General Mining State) some 250km to the west of Belo Horizonte.

The property was identified as potentially attractive to Aguia because of the historical phosphate occurrences reported by CPRM in the late 1960's and early 1970's. After an initial analysis of these occurrences, the geology and its distribution, Aguia staked the MCPP in August 2008. This triggered a staking rush in the area with Amazon Mining Ltd (late August 2008) and Vale (September 2008) staking to the north, south and west.

The MCPP is located next to excellent logistics and infrastructure (roads, water, railway, energy) and is near potential primary (agriculture) customers, fertilizer blenders and is on the main transportation route for the expanding agricultural districts of Mato Grasso Brazil.

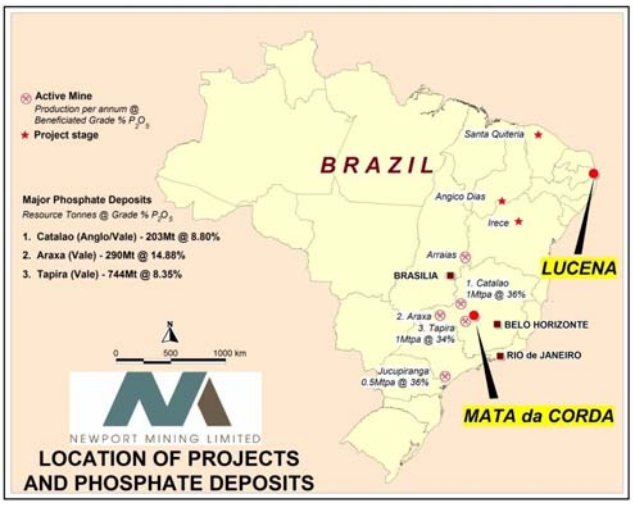

Figure 3: Location of the MCPP and LPP in Brazil

About Newport

Newport is focused on the exploration and development of phosphate rock projects in Brazil which as a country imports approximately 50% of its phosphate requirements annually. Newport is well positioned to capitalize on the growing demand for phosphorous-based fertilisers in the expanding agriculture sector in Brazil and controls a large land position of about 400,000 hectares, located close to existing infrastructure. The Company is committed to its existing projects whilst continuing to pursue other opportunities within the phosphate sector.

The information in this report that relates to Exploration Results, Mineral Resources or Ore Reserves is based on information compiled by Dr Fernando Tallarico, who is a member of the Association of Professional Geoscientists of Ontario. Dr Tallarico is a full-time employee of Newport Mining Limited. Dr Tallarico has sufficient experience which is relevant to the style of mineralisation and type of deposit under consideration and to the activity which he is undertaking to qualify as a Competent Person as defined in the 2004 Edition of the 'Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves ("JORC Code"). Dr Tallarico consents to the inclusion in this report of the matters based on his information in the form and context in which it appears.
.