

**NEWS RELEASE**  
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For Immediate Dissemination

## **MACARTHUR MINERALS ENVIRONMENTAL UPDATE: BASELINE SURVEY SCHEDULE ACROSS EXTENSIVE TENEMENT PACKAGE PROGRESSES WELL**

**VANCOUVER, BRITISH COLUMBIA – (Marketwire – June 15, 2011), Macarthur Minerals Limited (MMS – TSXV) (“the Company” or “Macarthur”)** is pleased to announce that environmental baseline survey work is progressing well. The focus is solely now on Snark to deliver the Direct Shipping Ore (DSO) material to support the DSO Program.

A number of environmental specialists have been commissioned to conduct studies co-ordinated by Macarthur's Environmental Manager, Cathy Galli. A brief summary of results to date include:

### **Flora surveys**

Autumn Level 2 flora surveys of Snark, Central, East Moonshine and Lost World/Banjo completed during May 2011. No declared rare flora found.

### **Fauna survey**

Autumn Level 2 fauna survey of Snark completed in May. As expected mammal numbers were low. No conservation significant species were recorded in trap lines.

Two conservation significant bird species were recorded both of which are listed as Priority 4 under the state Western Australian Wildlife Conservation Act. Six disused Malleefowl mounds were recorded. Malleefowl is of national significance listed as vulnerable under the Environmental Protection and Biodiversity Conservation Act. Further surveys for this species will commence in July 2011.

### **Short Range Endemic surveys**

Short Range Endemic (invertebrate) surveys completed in May (autumn). Further surveys are planned in June to fully understand potential impacts by mining.

### **Subterranean fauna survey**

An extensive pilot program was successfully completed in January 2011. No stygofauna were recorded. Results from troglifauna revealed two species. Additional surveys for both stygofauna and troglifauna to fully understand potential impacts by mining are planned.

### **Archaeological and ethnographical surveys**

Archaeological surveys across all exploration areas south of the Evanston Menzies road were completed in May 2011. Three sites were recorded. Ethnographic surveys are being carried out and due for Phase 1 completion in June 2011.

## **Regional Environmental Impact Assessment**

The Company regards a regional approach to environmental impact assessment and baseline survey knowledge as important. Information gathered can be used to support other development programs. Assessment within the extensive tenement package is a significant contribution to future regional development of the Yilgarn Iron Ore Province in Western Australia.

Part of regional assessment strategy is the imminent arrangement to fly high resolution aerial imagery with LIDAR. This data will broaden capacity for regional environmental impact assessment, resource geology and engineering potential.

## **ABOUT MACARTHUR MINERALS LIMITED (TSX-V:MMS)**

Macarthur Minerals Limited, is a Perth, Australia based resource development company that is currently focused on developing its Lake Giles Iron Ore project, located in the Yilgarn iron ore district in Western Australia. The Lake Giles project is located 110Km from rail with direct access to the Port of Esperance, Western Australia. The project has a resource of 1.3 billion tonnes of Magnetite mineralization that has been reported in accordance with National Instrument 43-101, and 18 million tonnes of potential Direct Shipping Ore (DSO) Goethite/Hematite at 55.5% Fe.

On behalf of the Board of Directors,  
**MACARTHUR MINERALS LIMITED**

*"Alan Phillips"*

Alan Phillips, President, Chairman & CEO

### **Corporate Relations**

The Buick Group

Jonathan Buick

Tel: 416-915-0915, Email: [jbuick@buickgroup.com](mailto:jbuick@buickgroup.com)

Australia: Alan Phillips, Tel: +61 418 726 230

Email: [strategiccapital@bigpond.com](mailto:strategiccapital@bigpond.com)

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