

**NEWS RELEASE**  
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**Symbol: TSX-V: MMS**  
For Immediate Dissemination

## **MACARTHUR MINERALS COMPLETES STREAM SEDIMENT SAMPLING WITH ENCOURAGING RESULTS WITHIN THE BONNIE SCOT TENEMENT IN PILBARA, WESTERN AUSTRALIA**

**Macarthur Minerals Limited (TSX-V: MMS)** (the “Company” or “Macarthur Minerals”) is pleased to announce that it has completed a sediment sampling program at its Bonnie Scot tenement in the Pilbara region of Western Australia (“Bonnie Scot”) with encouraging results. During the geochemical survey a total of 45 samples were collected from selected drainage courses across the tenement area. Multi-element assays were received confirming several anomalous sediment values ranging from 13 parts per million (“ppm”) up to 113 ppb Au. This area was previously identified from historical rock chip sampling program with values of up to 3.5 g/t. This first pass exploration warrants further sediment sampling.

Mr Cameron McCall, Executive Chairman of Macarthur Minerals commented: “*Macarthur is excited to be joining the gold rush with other gold explorers in the area who have recently raised around \$100 million for grassroots exploration. The Company has a sizeable land package of 1,328 km<sup>2</sup> in the Pilbara area which is highly prospective for conventional gold and conglomerate gold deposits.*”

### **Bonnie Scot**

The Bonnie Scot tenement (E45/4764) is located approximately 42 km west-southwest of Marble Bar and 265 km east-south-east of Karratha, in the Pilbara region of Western Australia.

The Bonnie Scot tenement is ideally situated adjacent to Macarthur Mineral’s exploration licences E45/4779 and E45/4732 which are part of the Company’s farm-in deal with Artemis Resources Limited (“Artemis”). The Bonnie Scot tenement is also in close proximity to areas owned by Novo Resources Limited and the Creasy Group projects that are currently being explored for conglomerate hosted gold (Figure 1).

Geological Survey of Western Australia (GSWA) mapping across the tenement shows areas of the Mt Roe Basalt which is known to overlie the conglomerate gold horizon at Artemis’ Purdy’s Reward. Beds of auriferous (gold containing) conglomerate up to 2 m thick at the base of the Mt Roe Basalt have been worked at the Just-In-Time and Tassy Queen mines located within 10 km of Macarthur Minerals’ tenements and in close proximity to ground held by Novo Resources Limited and Creasy Group (Figure 1; Torne and Trendall, 2001<sup>1</sup>).

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

Macarthur Minerals Limited is an exploration company that is focused on identifying high grade gold and lithium. Macarthur Minerals has significant gold, lithium and iron ore exploration interests in Australia and Nevada. Macarthur Minerals has three iron ore projects in Western Australia; the Ularring hematite project, the Moonshine magnetite project and the Treppo Grande iron ore project.

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<sup>1</sup> Geology of the Fortescue Group, Pilbara Craton, Western Australia. Western Australia Geological Survey, Bulletin 144

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

*“Cameron McCall”*  
Cameron McCall, Executive Chairman

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Figure 1 – Stream sediment sampling results at the Bonnie Scot project

