



Pure Minerals Limited

12 December 2017

ASX Announcement

FIRST PHASE DRILLING COMPLETED AT BATTERY HUB MANGANESE PROJECT

- Reverse circulation drilling campaign increased to 2,880m after second phase drilling plans brought forward and additional targets identified
- Drilling samples awaiting assay, results expected by month-end
- Program of Works for drilling on tenement E52/3523 approved, native title clearances in process

Pure Minerals Limited (ASX: PM1) (“Pure Minerals”, “the Company”) is pleased to announce that the first phase of reverse circulation (RC) drilling has been completed at its 100%-owned Battery Hub manganese project, located in Western Australia’s Gascoyne region (Figure 1, below). The Company intends to utilise this drill data, plus the historic database of more than 500 drill holes, in the calculation of a maiden JORC resource.

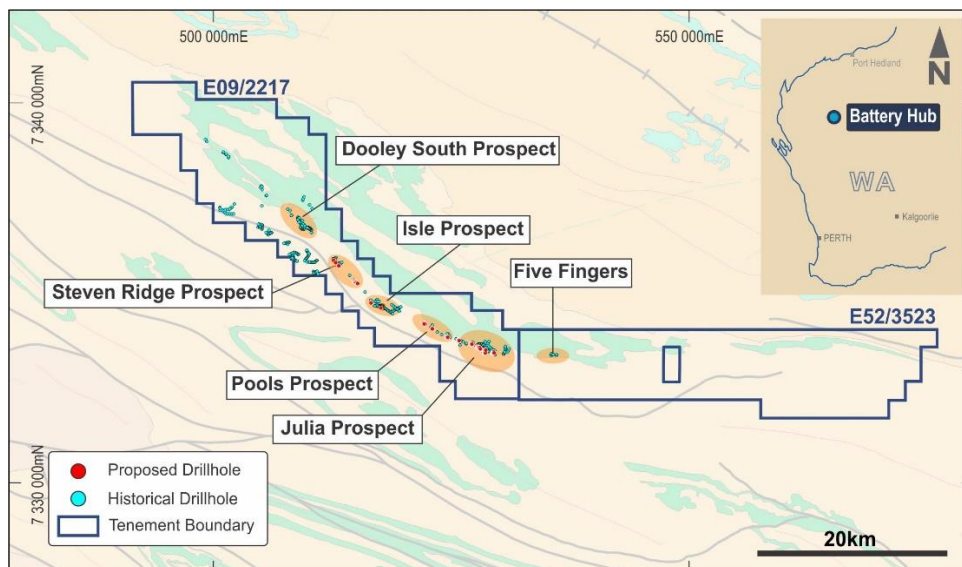


Figure 1: Location of the prospects within the Battery Hub manganese project.

The 2,880m program, an increase from the previously-planned 2,000m program, tested for manganese mineralisation at the Julia, Pools, Isles and Steven Ridge prospects, all located within tenement E09/2217. Pure Minerals opted to expand the campaign upon recognising that areas slated for testing in the second phase of drilling could be accessed without requiring track

construction. In addition, new drill targets were identified in the field that warranted immediate testing.



Figure 2: Drilling into outcropping manganese-mineralised sediments at the Pools prospect.

More than 1,500 samples, comprising 413 composite samples and 1,125 one-metre split samples, have been submitted to ALS Global laboratory in Wangara, Western Australia, for assay testwork. First test results are expected this month. In addition, Company geologists have identified and sampled specific zones of mineralisation for preliminary metallurgical testwork aimed at determining the ability to beneficiate the mineralised material and assess its suitability to produce Electrolytic Manganese Dioxide (EMD) or Electrolytic Manganese Metal (EMM).

Furthermore, Pure Minerals has received Program of Works approval by the WA Department of Mines, Industry Regulation and Safety (DMIRS) for drilling at the neighbouring E52/3523 tenement. Among the areas to be tested in this round of drilling will be the Five Fingers prospect, where recent rock chip sampling returned grades as high as 52.6% Mn.

The drilling plans for E52/3523, in addition to further drilling plans for E09/2217, have been subject to a survey by traditional owners. Formal clearances are expected to be received this month.



Figure 3: Outcropping massive manganese mineralisation at the Five Fingers prospect, located on tenement E52/3523

For and on behalf of the Board,

Mauro Piccini
Company Secretary