



ASX Release – 27 May 2008

EXPLORATION UPDATE LANGEY PHOSPHATE PROJECT

- Results from seven grab samples of nodular phosphate average 22.5% P₂O₅
- The phosphate occurs in a laterally extensive horizon that comes to the surface near Langey Crossing
- Tenements are due for grant in August with Heron getting in place the necessary approval to commence drilling soon thereafter

As mentioned in the March quarterly report, Heron Resources Limited (ASX: HRR) (Heron) has in the past year applied for a number of exploration licences in the Langey Crossing area located some 40km south of Derby, Western Australia. The applications were made as Heron considers the ground prospective for sedimentary phosphate mineralisation. Recent sampling in the area has identified a phosphate nodule horizon exposed near Langey Crossing. The results from seven representative grab samples have just been received and average approximately 22.5 percent P₂O₅ with consistent assays being recorded for all the nodules. The results are summarised in Table 1 below:

Table 1 - Results for Langey Nodular Phosphate Samples

Sample	P₂O₅%	FeO%	Al₂O₃%	SiO₂%
R100297	23.0	3.6	3.5	31.2
R100298	22.2	4.7	4.4	30.2
R100299	21.5	3.8	3.8	29.8
R100300	23.0	3.9	3.8	29.8
R100301	22.1	4.7	4.5	30.0
R100302	22.6	2.6	3.4	32.3
R100303	23.4	4.8	4.1	28.4

Previous exploration for phosphate in the mid 1960's identified this nodular phosphate horizon at depths of between zero and 12 metres from the surface over a width of some 500m. The horizon dips gently to the west and continues in that direction under progressively deeper cover. The historical results report the horizon to be about 0.8 metres thick and extending for at least 6km in a north-south direction. The nodular horizon occurs within a marine sedimentary unit and Heron has applied for a significant land holding (some 1,900 square kilometres) over this prospective unit, as shown in Figure 1.

Initial assessment of the samples and a review of previous beneficiation results from the area indicate that the nodules can be beneficiated to increase the grade of P₂O₅. Published metallurgical data from previous explorers and a detailed examination of the nodules indicate there is good potential for the grades to be increased to over 30% P₂O₅ through beneficiation.

The Exploration Licences at Langey Crossing are due for grant progressively from August 2008 and Heron is working through approvals so that initial drilling and costeaning can commence soon thereafter.

Heron is also conducting a high level marketing assessment of the Langey phosphate and initial contact with prospective buyers has been positive. Given the project's proximity to a port facility at Derby, the initially positive test results and marketing response Heron will expedite exploration and metallurgical test-work upon grant of the tenements with a view to quickly ascertaining whether Langey Crossing has the potential to be a near term cash flow generation project.

Heron's Managing Director Mathew Longworth said "The project is at an early stage but the initial signs are positive. We will now prioritise exploration and evaluation of this project".



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The information in this report is based on information compiled by David von Perger who is a member of Australian Institute of Mining and Metallurgy. David von Perger is a full time employee of Heron Resources Limited. David von Perger has sufficient experience that is relevant to the style of mineralisation and type of deposit under consideration, and to the exploration activity that he is undertaking to qualify as Competent Person as defined in the 2004 Edition of the 'Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves. David von Perger consents to the inclusion in this report of the matters based on his information in the form and context that it appears

Figure 1 - Heron's exploration licence applications

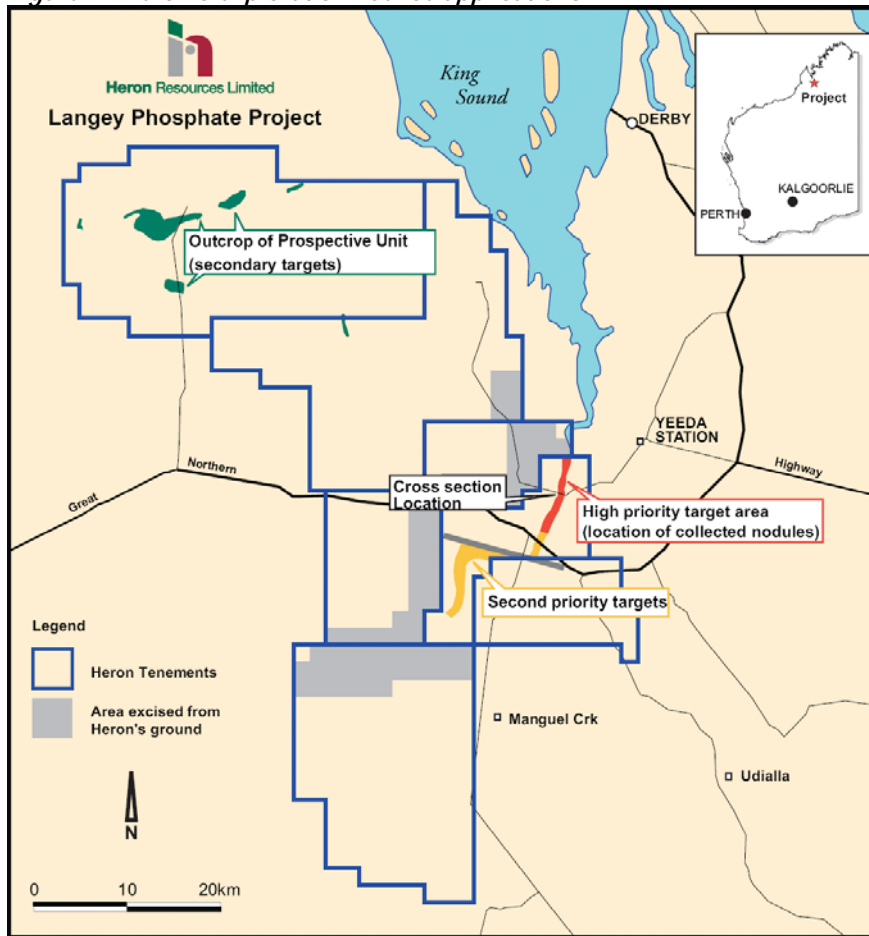


Figure 2 - Photo of collected nodules



Figure 3 - Interpreted Cross Section Through The Phosphate Units (Reported in WAMEX Item 50)

