

ASX Announcement

27 October 2009

Exploration Update – Titanium Mineralogy

The Directors of D'Aguilar Gold Limited (ASX Code: DGR) are pleased to provide an update on the Monogorilby iron and titanium prospect held by subsidiary Ridge Exploration Pty Ltd.

Ridge Exploration Pty Ltd has been undertaking evaluation of iron formations in the Surat Basin since May 2008, and identified a large iron ore prospect at Cadarga, 100 km south west of Mundubbera and 80 km east of Wandoan. An area in excess of 200 square km has been delineated containing > 30% iron in rocks.

Mapping and sampling work in the Cadarga area led to the discovery of high grade titanium dioxides (to 31%  $TiO_2$ ) around an interpreted basaltic volcanic centre near the town of Monogorilby 25 km east of Cadarga (refer Figure 1). The prospect is flat lying within a lateritised volcanic breccia and covers approximately 6 square km around a diatreme style of volcanic vent. The prospect appears to be up to 10 metres thick, with the outcropping top 1–2 metres thick high grade mineralised material grading 10 – 31 %  $TiO_2$ . Figure 2 shows a typical exposure of the titanium rich iron ore.

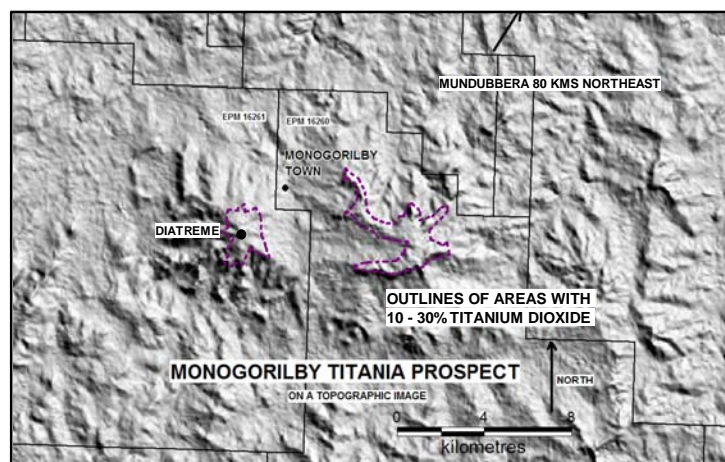


Figure 1: Monogorilby Titanium Dioxide Prospect



**Figure 2: Outcrop at Monogorilby**

Following considerable delays at an independent laboratory, Ridge has recently received a preliminary report on the mineralogy of a sample of Monogorilby material submitted for Mineral Liberation Analysis (MLA) and Quantitative X-ray Diffraction (QXRD). The chemical assay of the sample is shown in Table 1 below:

Sample	Al <sub>2</sub> O <sub>3</sub>	Fe <sub>2</sub> O <sub>3</sub>	SiO <sub>2</sub>	TiO <sub>2</sub>
	22.4	45.2	3.66	16.95

**Table 1: Chemical Assay Data (Wt%)**

While the report indicates the constituent minerals are present within complex textures, the **titanium** component has been clearly identified as predominantly rutile (TiO<sub>2</sub>) with goethite (FeO(OH).Fe<sub>2</sub>O<sub>3</sub>). The **iron** component is primarily hematite, with goethite; the **aluminium** component is predominantly gibbsite.

Ridge Exploration believes it will be possible to separate the key mineral components by physical and chemical methods, and with the potential tonnage of material available at Monogorilby further work can now be undertaken. Drums of representative material are presently being collected from the prospect for metallurgical test work.

The location of the Monogorilby prospect close to key infrastructure in southern Queensland is shown on the following Figure 3.



**Figure 3: Location of Cadarga and Monogorilby Prospects**

On behalf of the Board  
K M Schlobohm  
Company Secretary

**Competent Persons Statement**

The information herein that relates to Exploration Results is based on information compiled by Nicholas Mather B.Sc (Hons) Geol., who is a Member of The Australian Institute of Mining and Metallurgy. Mr Mather is employed by Samuel Holdings Pty Ltd which provides certain consultancy services including the provision of Mr Mather as the Managing Director of D'Aguiar Gold Ltd (and a director of D'Aguiar Gold Ltd's subsidiaries).

Mr Mather has more than five years experience which is relevant to the style of mineralisation and type of deposit being reported 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, Minerals Resources and Ore Reserves' (the JORC Code). This public report is issued with the prior written consent of the Competent Person(s) as to the form and context in which it appears.

**For further information contact:**

**Mr Nicholas Mather**  
Managing Director D'Aguiar Gold Limited  
Ph: 07 3303 0680 or 0417 880 448

Email: [info@daguilar.com.au](mailto:info@daguilar.com.au)

Electronic copies and more information are available on the Company website: [www.daguilar.com.au](http://www.daguilar.com.au)