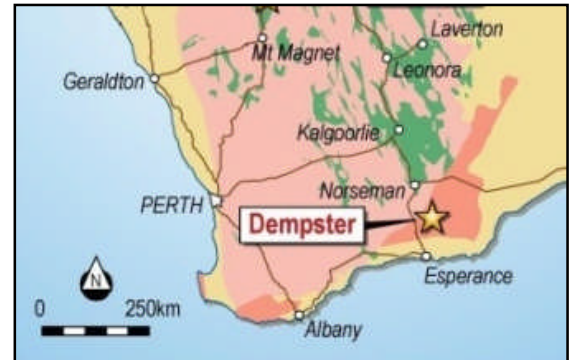


1 September 2009
ASX Announcement

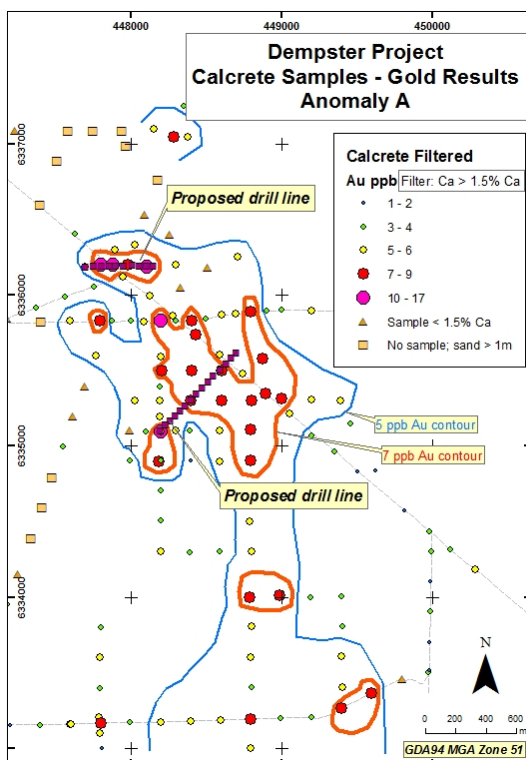
DRILLING TO START AT DEMPSTER, WESTERN AUSTRALIA

Buxton Resources Limited (ASX:**BUX**) is pleased to announce that a 2,000 – 3,000m aircore drilling program will commence later this week at its 90% owned Dempster Project located 90 km north-northeast of Esperance, Western Australia.

This is the Company's first drilling program at the project and will test four gold anomalies and one nickel anomaly. These anomalies were generated by the collection of calcrete samples.



The gold anomalies have been termed **Alpha**, **Bravo**, **Charlie** & **Delta**.



Alpha has several gold values that exceed 7 ppb with the highest being 12 ppb. It is at least 1,600m long and remains open to the south and north. Sampling to the north has been restricted by an increase thickness of sand cover. Historical drilling in the district suggests thin cover (< 15m) and bedrock dominated by quartzo-feldspathic gneiss.

Bravo contains several gold values in excess of 10 ppb with the highest being 17 ppb. It is at least 400m long and open to the northwest and southeast. It has a coincident copper anomaly. Wide-spaced reconnaissance drilling completed in 1999 indicates that the anomaly is associated with a package of variably graphitic and sulphidic pelitic meta-sedimentary rocks.

Charlie is a poorly defined gold in calcrete anomaly associated with a fault. Wide-spaced drilling completed in 1999 detected weak gold mineralisation associated with pyritic quartzo-feldspathic gneiss including one drill hole that returned 0.687 g/t Au, 439 ppm Cu with elevated Ag, Mo, Ni and Sn from the bottom of hole sample (20–21m interval).

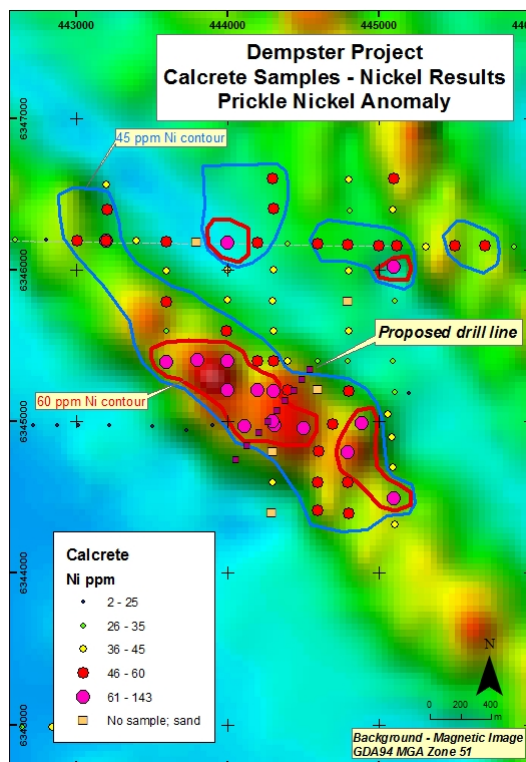
Delta is a poorly defined large low-level gold anomaly that trends northwest and is over 3,500m long. Several gold values exceed 7 ppb with the highest being 10 ppb.

Low-level gold anomalies such as these are considered highly significant as they may reflect the presence of concealed primary gold mineralisation.

The nickel anomaly has been termed Prickle.

Prickle contains elevated nickel values that are directly associated with the most magnetic portion of a linear magnetic trend thought to represent a mafic or ultramafic rock. Many nickel values exceed 50 ppm with the highest being 143 ppm. These results may reflect a shift in background levels associated with the change in basement lithotype. However, given that similar linear magnetic features in the Project do not show a similar nickel response it is considered that these nickel values are anomalous and drill testing.

The drilling program is expected to run for 2 weeks and assay results are expected in early October 2009.



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The Information in this report that relates to exploration results is based on information compiled by Ronald Smit, who is a member of the Australasian Institute of Mining and Metallurgy. Mr Smit is a geologist and full-time employee of Buxton Resources Limited. He has sufficient experience which is relevant to the style of mineralisation and type of deposit under consideration and to the activity which he is undertaking to qualify as a Competent Person as defined in the 2004 Edition of the "Australian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves". Ronald Smit consents to the inclusion in the report of the matters based on his information in the form and context in which it appears.