

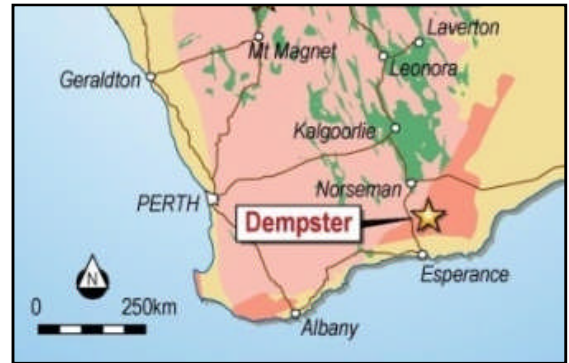
9 October 2009

**ASX Announcement**

**ASSAY RESULTS FROM DEMPSTER DRILLING PROGRAM, WESTERN AUSTRALIA**

Buxton Resources Limited (ASX:BUX) is pleased to announce the findings from the recently completed aircore drilling program at Dempster located 90 km north-northeast of Esperance, Western Australia.

Seventy-five holes were drilled totalling 1952m to test four gold anomalies and one nickel anomaly. A line of holes was drilled across each anomalous response with holes spaced along lines at approximately 40m. A total of 465 composite samples (nominal 4m composites) were submitted for Au, Cu, Fe, Mn, Ni, P, Pb, Zn analysis.



**Analytical Results**

No significant results were recorded apart from DAC043 located at the Prickle anomaly.

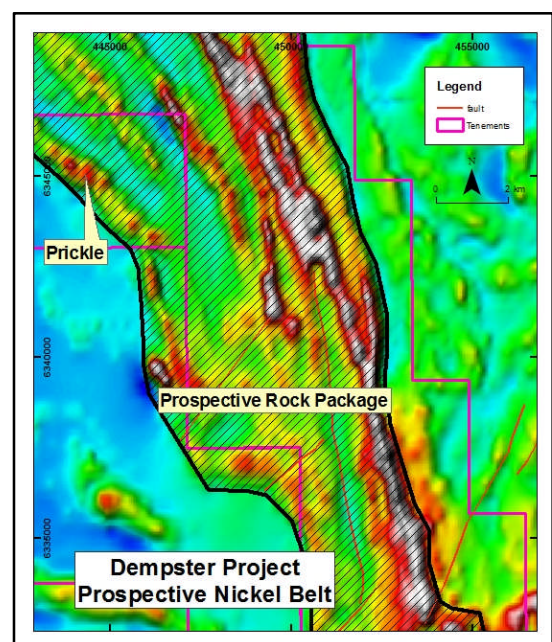
The bottom of hole samples collected from this hole returned weakly elevated gold (41 ppb) – copper (348 ppm) – lead (121 ppm) - zinc (2523 ppm) from a weathered mafic gneiss. This hole occurs close to the contact with meta-sedimentary/felsic rocks and may represent mineralisation distal to a metamorphosed VMS system. Further work is required and recommendations will be made following the receipt of a petrology report and multi-element geochemistry of 1m samples.

The drilling of the gold targets failed to return any significant assay results.

**Geological Findings**

The fence of holes drilled at Prickle was to investigate a calcrete nickel anomaly associated with a linear magnetic feature. These holes intersected some metamorphosed mafic-ultramafic lithotypes (with background values up to 2482 ppm Ni) hosted by weakly pyritic metamorphosed sedimentary rocks.

The presence of ultramafic rocks intruded into a package of weakly pyritic sedimentary rocks is regarded as important and a geological model is evolving with similarities to the Thompson Nickel Belt, Manitoba (Combined Resource – 150 Mt at 2.3 %Ni, 0.83 g/t PGE). The exploration attention has now shifted towards the evaluation of the magnetic rock package that hosts Prickle. This rock package contains numerous linear



Magnetic image showing prospective rock package (hatched)

magnetic features stretching over at least 30 km and is up to 6 km wide.

This prospective rock package has never been prospected. There is no road access into the area and the vegetation is extremely thick. Preliminary investigation will be on foot and will involve calcrete sampling. An airborne electromagnetic survey is being considered to accelerate the investigation of this belt.

### Significant Aircore Drill Results

| Hole   | Easting | Northing | Interval (m) | From | To  | Au ppb | Cu ppm | Pb ppm | Zn ppm |
|--------|---------|----------|--------------|------|-----|--------|--------|--------|--------|
| DAC043 | 444440  | 6345230  | 4            | 26   | 30* | 36     | 348    | 80     | 1907   |
| DAC043 | 444440  | 6345230  | 1            | 29   | 30* | 41     | 321    | 147    | 2523   |

\*end of hole

Note 1: Projected Coordinate System – GDA1994, MGA Zone 51

Note 2: Au assays have been determined by aqua-regia digest and analysed by AAS. Cu, Pb, Zn assays have been determined by aqua-regia digest and analysed by ICP. All assay work completed by Genalysis Laboratory, Perth.

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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.*