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# Nickel Discovery - Ghan Well

## Highlights

- Aircore drilling identifies nickel mineralisation in several holes
- Initial Nickel intersections of:
  - o 24 metres at 0.81% Nickel and 0.08% Cobalt
  - o 16 metres at 0.74% Nickel and 0.11% Cobalt
  - $\circ$   $\,$  20 metres at 0.71% Nickel and 0.05% Cobalt  $\,$
- Peak 4 metre composite nickel values of 1.08% Nickel and 0.12% Cobalt
- Mineralisation adjacent to Minara Resources' Murrin Murrin East mining operations

The Company has completed a 1029 metre Aircore (AC) drill program over the Ghan Well lease located 40km South - West of Laverton on the Western edge of Lake Carey. The drilling targeted nickel mineralisation in an extensive sequence of komatilitic ultramafic lava flows.

Drilling intersected widespread nickel mineralisation with grades up to 1% nickel and 0.17% cobalt within the siliceous laterite ultramafic cap and underlying highly weathered saprolitic ultramafic. Significant results are outlined in Table 1. The drilling has only covered 400 metres of the 6 kilometre long ultramafic sequence (figures 1 and 2).

Hole	Depth From	Depth To	Interval	Nickel %	Cobalt %
GWAC003	12	28	16	0.61	0.06
GWAC004	12	32	20	0.52	0.09
GWAC005	40	64	24	0.66	0.04
GWAC006	32	68	36	0.68	0.03
GWAC010	12	52	40	0.39	0.01
GWAC015	44	64	20	0.43	0.01
GWAC016	27	59	32	0.52	0.04
GWAC017	48	65	17	0.57	0.03
GWAC018	36	56	20	0.71	0.05
GWAC020	32	48	16	0.74	0.11
GWAC021	28	52	24	0.81	0.08

#### Table 1: Significant AC drilling results

The Company is currently resampling the drilling in one metre intervals to better understand the distribution of the nickel and cobalt mineralisation.

The identification of komatiitic and cumulate textures and presence of nickel mineralisation demonstrate that the ultramafic unit is prospective for nickel sulphides. The Ghan Well ultramafic komatiite unit extends over six kilometres along strike and only 400 metres of this ultramafic unit has



been tested to date. The most prospective and largest zones are south of the existing drilling along the edge of Lake Carey (figure 1).

## **Planned Exploration**

The Company is planning additional exploration including further drilling and a detailed Moving Loop Electromagnetic Survey to test the prospect for conductors.



Figure 1 Ghan Well Location plan showing tenement outline, drilling locations and Lake Carey outline.





Figure 2 Detailed plan of the Ghan Well nickel prospect area with drilling locations

## **Ghan Well Prospect Background**

The Ghan Well Nickel Prospect is located some 40 km South West of Laverton on the Western Edge of Lake Carey and adjacent to Minara Resources Murrin Murrin East open Pit. The Prospect is dominated by a Northward trending strong magnetic high that extends over 10 kilometres. The magnetic high is closely correlated with outcropping komatilitic ultramafics that contain extensive nickel and cobalt mineralisation in the lateritic and saprolitic profiles. This region hosts the Murrin Murrin and Mt Windarra nickel mines, along with the Sunrise Dam, Granny Smith and Bright Star gold mines.

For further information please contact: www.wcnickel.com.au

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# About White Cliff Nickel Limited

White Cliff Nickel Limited is a Western Australian based exploration company with the following main projects.

**Chanach Gold Copper Project:** The project consists of 93 square kilometres and is located in the Kyrgyz Republic 350km west-southwest of the capital city of Bishkek. The Chanach project is located in the western part of the Tien Shan Belt, a highly mineralised zone that extending for over 2500 km, from western Uzbekistan, through Tajikistan, Kyrgyz Republic and southern Kazakhstan to western China. Mineralisation occurs as porphyry and epithermal systems developed within magmatic arcs, and orogenic type gold deposits that are structurally controlled. Major deposits located within 100km of Chanach contain up to 93 million ounces of gold. Initial work indicates that the project may host porphyry and skarn style gold and copper mineralisation. Sampling during 2007-2009 has identified several areas containing gold values of up to 40 g/t and copper values of up to 5%.

White Cliff Nickel Project: The project which covers over 1,200 square kilometres in the Merolia section of the Laverton Greenstone Belt situated 60 kilometres south-east of Laverton WA. The region contains the Irwin-Coglia and Mineral Patch Hill nickel deposits and Fish and Lord Byron Gold deposits. The project has been joint ventured with a Korean consortium, comprising Daewoo International and the 100% government owned Korea Resources Corporation. The Korean consortium are earning up to 50% of the project by the expenditure of \$5 million.

**Laverton Gold Project:** The project consists of 1200 square kilometres of tenement applications in the Laverton and Merolia Greenstone belts. The core prospects are located 20km south of Laverton in the core of the structurally complex Laverton Tectonic zone immediately south of the Granny Smith Gold Mine (3 MOz) and 7 kilometres east of the Wallaby Gold Mine (7MOz). In addition, applications are pending over a large part of the Merolia Greenstone belt immediately Southwest of Laverton.

**Mount Remarkable Project:** The project covers 604 square kilometres and is located approximately 170 km N-NE of Kalgoorlie and about 25 km SE of Kookynie in the Northern Goldfields. Included in the project area are the historic gold mining centres of Mt Remarkable and Yerilla which consists of several old workings. Major gold mines in the surrounding area include Sons of Gwalia, Tarmoola, Carosue Dam, Granny Smith, Wallaby and Sunrise Dam. The project includes several areas adjacent to and along strike from existing nickel deposits at Aublis, Yerilla and Boyce Creek. These deposits form Heron Resources Yerilla Nickel Project which contains 135 Mt @ 0.77% Nickel and 0.05% Cobalt.

**Lake Johnston Project:** The project covers over 1400 square kilometres in the Lake Johnson Greenstone Belt, which contains the Emily Ann and Maggie Hayes nickel sulphide deposits. These mines have a total resource of approximately 140,000 tonnes of contained nickel. The project area was previously held by Norilsk and has excellent prospectivity for both komatiite associated nickel sulphides and amphibolite facies high-grade gold mineralisation.

**Ghan Well Project:** The project covers an area of 83km<sup>2</sup> located approximately 40km South-West of Laverton. The project is centred on a 6km long nickeliferous ultramafic unit. Minara Resources is currently mining from the Murrin Murrin East Pit along strike from the Company's recent drilling. The cumulate textures observed in the ultramafic unit indicate that the unit is prospective for nickel sulphide mineralisation at depth.

The Information in this report that relates to exploration results, mineral resources or ore reserves is based on information compiled by Mr Todd Hibberd, who is a member of the Australian Institute of Mining and Metallurgy. Mr Hibberd is a full time employee of the company. Mr Hibberd has sufficient experience which is relevant to the style of mineralisation and type of deposits under consideration and to the activity that he is undertaking to qualify as a Competent Person as defined in the 2004 edition of the `Australian Code for Reporting Exploration Results, Mineral Resources and Ore Reserves (the JORC Code)`. Mr Hibberd consents to the inclusion of this information in the form and context in which it appears in this report.





**Tenement Map- Australia.** A regional geology and location plan of White Cliff Nickel Limited exploration projects in the Yilgarn Craton, Western Australia



![](_page_5_Figure_1.jpeg)

Project Map- Kyrgyzs Republic. Location of the Chanach Gold-Copper Project