

## Site Access Finalised at Sylvania Project

### HIGHLIGHTS

- **Site access finalised with Karlka Nyiyaparli Aboriginal Corporation (KNAC), the Aboriginal custodians of the land underlying the Sylvania Project leases**
- **Low impact site activities planned for October 2023**
- **Follow-up of historical exploration eagerly anticipated**

Western Yilgarn NL (**ASX: WYX**) ("**Western Yilgarn**" or "**the Company**") is pleased to provide an update regarding access arrangements and subsequent mobilisation to the Company's Sylvania Project, located south of Newman in Western Australia's Pilbara region.

Western Yilgarn warmly acknowledges expansion of the Company's collaborative partnership with Karlka Nyiyaparli Aboriginal Corporation (KNAC) into the arena of field operations. This enables the Company to undertake low impact exploration activities within the Sylvania project leases.

KNAC's observer staff will accompany the WYX team throughout the proposed first-pass, low-impact exploration campaign, which is expected to commence in October and last around 10 days. Together, WYX and KNAC may identify not only areas of geological significance but areas or items of cultural significance across the Sylvania tenements.

### **Peter Lewis, Chairman of Western Yilgarn commented:**

*"We are delighted to see our agreement with KNAC progressing to a collaborative level in the field. Both Sylvania exploration leases can now have a low-impact exploration program completed in collaboration with KNAC observer staff. This is particularly noteworthy as it successfully fulfills the requirements of both KNAC and Western Yilgarn with regard to low impact exploration activities."*

### Overview

The 370km<sup>2</sup> Sylvania Project comprises two non-contiguous exploration leases E52/3861 "Sylvania North" with an area of ~135km<sup>2</sup>, and E52/4177 "Sylvania South" with an area of 235km<sup>2</sup>. A desktop review including historical data and reprocessing of geochemical data using loGAS software was completed in 2022 (*ASX release 28/10/2022 WYX September Quarterly Report*). Exploration potential for Ni, Cu, REE (E 52/3861) and Li, Au (E 52/4177) has also been identified.

Exploration lease E52/3861 "Sylvania North" was visited by geological consultants to WYX in September 2022. The walking visit combined with a desktop review defined three early-stage exploration targets within this lease:

1. Ni-Cu-PGE associated with the Black Hills Ultramafic unit
2. anomalous REE and Li anomalies defined in stream sediment samples
3. a crosscutting dyke anomalous in Zn and Cu

Exploration lease ELA 52/4177 “Sylvania South” was applied for on 5/10/22 to replace a previous application, ELA 52/4163. The new application was lodged to encompass a greater area. This permit is early stage with no work previously completed. Access agreements are in place with the relevant pastoral leaseholders.

## Geological Setting

The Sylvania Project comprises two permits located south of Newman within the Archaean Sylvania Inlier, near the southern margin of the Pilbara Craton of Western Australia. The inlier is exposed over an area of 4,500km<sup>2</sup> and comprises mostly granitoids, but also includes tracts of supracrustal rocks, the largest of which is the 35km long.

The Jimblebar greenstone belt is located in the northeastern corner of the inlier. Smaller greenstone belts include the Warrawanda Creek belt in the central part of the inlier, the Woggaginna Hills belt in the southern part of the inlier, and the Deadman Flat and Spearhole Creek belts in the western part of the inlier.

The Sylvania Project has limited outcrop aside the Black Hills Banded Iron Formation and a parallel ultramafic sequence. Extensive regolith cover is estimated at >75% of the permit area and includes sand plain developed downslope from areas dominated by granite outcrops, alluvial deposits in and around active drainage channels, and sheetwash colluvium on outwash fans downslope from elevated areas of mostly supracrustal bedrock exposure.

The operating Karlawinda Gold Mine owned by Capricorn metals Ltd (ASX:CMM) is located ~15km east of the Sylvania Project and has a current JORC-compliant Mineral Resource Estimate 2.2Moz at 0.7g/t Au.

Authorised for release by the Board of Western Yilgarn NL.

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Western Yilgarn has 5 exploration projects with a total area of 1,540km<sup>2</sup> (including application areas) located across Western Australia.

The projects are prospective for Ni-Cu-Co-PGE, Au and Li and include:

- **Julimar West**
- **Bulga**
- **Boodanoo**
- **Sylvania**
- **Melbourne**



*Location of Western Yilgarn portfolio*

## Forward Statements

This release includes forward-looking statements. Forward-looking statements include, but are not limited to, statements concerning the Company's planned exploration programs and other statements that are not historical facts. When used in this release, the words such as "could", "plan", "estimate", "expect", "anticipate", "intend", "may", "potential", "should", "might" and similar expressions are forward-looking statements. Although the Company believes that its expectations reflected in these forward-looking statements are reasonable, such statements involve known and unknown risks and uncertainties and are subject to factors outside of the Company's control. Accordingly, no assurance can be given that actual results will be consistent with these forward-looking statements.

## Competent Person Statement

The reported Exploration Results were compiled by Beau Nicholls, a Fellow of the Australian Institute of Geoscientists. Mr. Nicholls has sufficient experience that is relevant to the style of mineralisation and type of deposit under consideration and to the activity being undertaken to qualify as a Competent Person as defined in the 2012 Edition of the 'Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves'. Mr. Nicholls is a principal Consultant with Sahara Operations (Australia) Pty Ltd, and the Competent Person is independent of the Company and other than being paid fees for services in compiling this report, neither has any financial interest (direct or contingent) in the company.