



Kurnalpi -Northern Operations Native Vegetation Clearing Permit Application

Supporting Document
March 2025

M28/7, M28/374, M28/375, M28/70, M28/76, M28/84,
M28/92, L28/72



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1 Project Summary

This document has been prepared in support of an application for a Native Vegetation Clearing Permit under Part V of the *Environmental Protection Act 1986* (EP Act).

This supporting document outlines the key activities associated with proposed clearing, the existing environment of the clearing permit application area, and an assessment of the native vegetation clearing proposed compared to the ten clearing principles (DER, 2014).

Project Name: Kurnalpi Gold Project (the Project, Kurnalpi)

Project Location: Mining Leases M28/7, M28/374, M28/375, M28/70, M28/76, M28/84, M28/92 and Miscellaneous Lease L28/72. Located approximately 75 km northeast of Kalgoorlie Boulder.

Purpose: This report has been prepared to provide an assessment of the ten clearing principles and supporting information to accompany an application for a Native Vegetation Clearing Permit (NVCP), which is required for the removal of native vegetation. Approval of the NVCP will facilitate the construction of infrastructure for gold mining operations by Northern Star.

Clearing area: This application seeks to clear up to 580 ha (rounded from 577.8 ha for the Indicative Disturbance Footprint / Clearing Footprint) within the proposed Purpose Permit Area (PPA) of 1,442.2 ha.

Timing of Clearing: Clearing is planned to commence in mid-2025, following the approval of this NVCP application.

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Vegetation, flora and fauna surveys, and a targeted Malleefowl survey have been completed to identify and describe vegetation within the clearing permit application area.

A vegetation clearing impact assessment has been conducted for the clearing permit application area, and determined the proposed clearing is not at variance, or unlikely to be at variance, with all 10 clearing principles. A detailed assessment of the proposed clearing against the 10 clearing principles is provided in Section 7.



2 Project Description

Northern Star Resources Limited (NSR) proposes to develop the Kurnalpi Gold Project (the Project) located approximately 75 km northeast of Kalgoorlie in the Eastern Goldfields region of Western Australia (Figure 1). The Project is an open pit gold mining operation that will supplement ore feed and act as a satellite operation to NSR's currently operating Carosue Dam Project located approximately 40km northeast of the Project. Access to site from the City of Kalgoorlie Boulder is by road via Yarri Road and the Kurnalpi Pinjin Road.

The Project area covers the historical Kurnalpi Mining Centre, which was discovered in 1894 and was renowned for its alluvial and deep lead gold with prospectors working shallow deposits for 'alluvial' gold with some success. Since 1989, the Project area has been subject to modern exploration from multiple company owners, with extensive exploration drilling defining six gold deposits: Brilliant, Sparkle, Dazzle, Scottish Lass, Halfway Hill, and Discovery Hill.

The Project is expected to have a life of mine (LOM) of 34 months. Proposed activities at Kurnalpi consist of:

- Development of two open cut pits (Brilliant and Dazzle).
- Establishment of two associated Waste Rock Dumps (North and South WRD's).
- Development of three Run-of Mine (ROM) Pads.
- Mobile Crushing and Screening Plant
- Two Double Dams (Turkey's nest 1 and 2)
- Establishment of an internal haul road linking the Kurnalpi Project to the existing Carosue Dam Project.
- Transport of ore from Kurnalpi to Carosue Dam for processing (via the Carosue Dam Access Road).
- Establishment of support infrastructure such as offices and ablutions, accommodation camp, power generation facilities, workshops and fuel storage facilities, laydown areas, explosives magazine, topsoil / subsoil stockpiles, diversion channels and drains and internal roads and tracks.

The purpose of this document is to support application for a NVCP under Part V of the *Environmental Protection Act 1986* (EP Act) to permit clearing of up to 580 ha of native vegetation, within the 1,442.2 ha PPA.

This application is being submitted to the Department of Mines, Energy, Industry Regulation and Safety (DEMIRS) and will be submitted alongside a Mining Proposal (MP) and Mine Closure Plan (MCP), which will evaluate risk and develop management strategies to limit environmental and social impacts associated with the Project. The MP and MCP are anticipated to be submitted to DEMIRS in Q1 2025.



Scale: 1:1000000
 Original Size: A4
 Aerial Imagery: Google Satellite
 Grid: GDA2020 / MGA zone 51

0 10 20 km

Northern Star Resources
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Figure 1

Project Location

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3 Tenure and Land Use

The Project will be developed across seven active Mining Lease tenements and one Miscellaneous Licence Tenement as outlined in Table 1 and shown in Figure 2. Tenure is owned by Northern Star. The Project overlies the Hampton Pastoral Station (PL N049710).

Evidence of tenement ownership is provided in Appendix A.

Table 1: Kurnalpi Project Tenements

Tenement	Tenement Holder	Area (ha)	Grant	Expiry
M28/7	Northern Star (Carosue Dam) Pty Ltd	16.27	14/06/1983	21/06/2025
M28/374		404.55	13/11/2012	12/11/2033
M28/375		286.15	13/11/2012	12/11/2033
M28/70		5.78	18/10/1989	19/10/2031
M28/76		10.62	19/02/1991	18/02/2033
M28/84		103.30	09/08/1992	11/08/2034
M28/92		123.20	01/06/1994	02/06/2036
L28/72		497.74	03/03/2022	02/03/2043

3.1 Land Use

The current land uses for the Project area are:

- Mining.
- Pastoral.
- Recreational/Tourism (mainly prospecting).
- Aboriginal use.

The Project is located within the City of Kalgoorlie-Boulder (the City) and overlies the Hampton Hill Pastoral Station (PL N049710). NSR has sought authorisation from Hampton Hill Pastoralists to undertake associated mining activities on the lease. NSR has ongoing engagement with Hampton Hill Pastoralists to ensure they are well informed of the Company's proposed activities at Kurnalpi, and to provide opportunity for feedback. NSR also has ongoing engagement with the City and will continue to consult on proposed activities at Kurnalpi as required.

The Project is located in the Kakarra Part A Native Title Claim Area. There are currently no agreements in place with the Kakarra Native Title Group. NSR will continue to work with representatives from Kakarra to manage Aboriginal Cultural Heritage at the Project.

The proposed post-mining land use is 'Pastoral activity' as this is currently the underlying land use in the Project area, with other uses being transient to the area and not generally in conflict with the primary pastoral use.



4 Proposed Land Clearing

The Project will require clearing of up to 580 ha of native vegetation (Indicative Disturbance Footprint / Clearing Footprint) within the PPA of 1,442.2 ha. An overview of the proposed Disturbance Footprint contextualised within the PPA is shown in Figure 2.

Clearing is anticipated to commence in mid-2025 to facilitate construction of the mine site.

Shapefiles are provided for the PPA with this NVCP application. There may be minor variations made to the precise location and area of site infrastructure within this area.