

Mining Management Plan Exploration Activities

Northern Territory of Australia – Mining Management Act

It is recommended that the Mining Management Plan is completed in conjunction with the user guide, available on the [Northern Territory Government website](#).

Section 1 – Project Details

Project Name Provide new or existing project name	Suplejack North Project
Authorisation Number Insert existing authorisation number, where applicable	
Operator Name Use ASIC-ABR registered name (if a company), or name of the applicant	Prodigy Gold NL
Location and Access Details Include brief description of the location, access details, and distance to nearest town or community	<p>The Suplejack North project area is located within the Suplejack Pastoral Lease. The closest major settlements are Halls Creek located in Western Australia, approximately 260km to the west, and Yuendumu, approximately 360km to the southeast.</p> <p>Access to site is via the Tanami Road, then via the Lajamanu road or Groundrush haul road (Northern Star) and various access tracks established by previous explorers and operators.</p>
Target Commodity Details Include target commodities (i.e. gold, copper etc)	Gold
Mining Activities Summarise the mining activities (exploration) to be the subject of the proposed Authorisation or Variation	<p>Exploration drilling including:</p> <p><u>1st phase:</u> EL31331 - 200 AC/RAB holes and 14 RC holes EL31530 - 40 AC/RAB holes</p> <p><u>2nd phase:</u> EL31331 – 24 RC/DD tail holes EL31530 - 8 RC holes</p>
Proposed Schedule Include start and finish dates of ground disturbing work	July to November 2019

Mining Interest and Land Ownership

List the mining interests (titles), the title holder name/s, the title expiry date and the Property name/Land holder (e.g. pastoralist or Aboriginal land trust) for each title.

Title Number	Title Holder	Expiry Date	Property Name or Land Holder
EL31331	Prodigy Gold NL	12//07/2020	Suplejack Pastoral Lease
EL31332	Prodigy Gold NL	13/07/2020	Suplejack Pastoral Lease
EL31530	Prodigy Gold NL	24/10/2023	Suplejack Pastoral Lease

Organisational Structure

Position Title	Name
Managing Director	Matt Briggs
Exploration Manager	Neil Jones
Senior Geologist	James Davis
Environmental Manager	Neil Jones
Land Manager	Gillian McBain

Section 2 – Operator Self-Assessment of the Environmental Risk

The purpose of this self-assessment is to ensure Operators complete a project risk assessment of potential environmental impacts and are aware of other legislative obligations from various Agencies. As a result of this self-assessment, further information may be required in the form of a management plan to enable full assessment of the MMP. If you have any queries please contact a Mining Officer prior to submitting the MMP. Useful resources to assist with this self-assessment are provided in the User Guide.

Environmental considerations

ASSESSMENT ASPECT	YES or NO	ACTIONS REQUIRED (if answered YES)	APPENDED INFORMATION (Evidence of consultation with DENR and/or management plan)
Step 1: Are there any threatened flora and fauna species or habitats of significance that may occur in the proposed work area?	Yes	It is likely a threatened species will show up in most reports. Therefore, the Operator must undertake a likelihood analysis, which looks at the likelihood of the species or its habitat occurring at or near the site. If the analysis results in a high likelihood, then a “Significant Impact Assessment” should be undertaken, which may require consultation with the DENR – Flora and Fauna Division. The DENR may recommend a Biodiversity Management Plan – this must be developed and attached to the MMP.	Biodiversity Plan
Step 2: Are there any known declared weeds within the proposed work area?	Yes	Under the <i>Weeds Management Act</i> declared weeds are required to be eliminated or controlled by the owner and occupier of land. Seek advice from DENR – Weeds Management to ensure management measures are appropriate for the level of activity proposed and attach a Weed Management Plan (if required).	Weed Management Plan
Step 3: Will you be using water from bores or other sources for the operation?	Yes	<i>Note the Government is proposing to amend the exemption of water licencing under the Water Act for mining activities, including exploration. This section will be updated in light of any changes in the future.</i>	Water sourced from Wilsons Camp.

Environmental assessment and cultural considerations

ASSESSMENT ASPECT	YES or NO	MANAGEMENT REQUIREMENTS
<p>Step 4: Is your project likely to have a significant impact on the environment?</p>	No	Refer to the NTEPA Environmental Factors and Objectives Guideline.
<p>Step 5: Are there Aboriginal sacred sites in the Project area?</p>	No	Sacred Sites are protected under the NT <i>Aboriginal Sacred Sites Act</i> and administered by the Aboriginal Areas Protection Authority (AAPA). It is recommended that advice be sought from AAPA in relation to sacred site protection.
<p>Step 6: Are there archaeological and heritage sites in the Project area?</p>	No	Heritage and archaeology sites are protected in the NT. NT Heritage Branch of the Department of Natural Resources and Environment (DENR) administers the <i>Heritage Act</i> . Seek advice in relation to protection of heritage and archaeological sites.

Section 3 – Amendments

As per Section 41(3) of the *Mining Management Act*, an MMP reviewed and amended under Section 41(1)(a) is to clearly identify amendments made.

Section	Amendment
1- Mining Interests	All tenements which lie outside the Suplejack Pastoral Lease have been removed from this document. ELs 5889, 9250, 23523, 26619, 27125, 27126, 27979, 28326 & 31330 are now subject to Authorisation No 0820-01

Delete or add rows as required

Section 4 – Activities Proposed

Mining Interests (i.e. titles)	EL31331	EL31331	EL31530	
1st Stage Programme				
Number and type of proposed drill holes	200 AC/RAB	14 RC	40 AC/RAB	
Maximum depth of proposed holes (m)	75	240	90	
Number and size of drill pads to be cleared: AC/RAB (3 m x 5 m) RC/DD (20 m x 20 m)	200	14	40	
Total area of drill pads to be cleared (ha)	0.3 ha	0.56 ha	0.06 ha	
Is drilling likely to encounter groundwater? (Y, N, unsure)	N	Y	N	
Number of sumps (L: 2 m x W: 2 m x D: 1 m) = m ³ (within pads)	0	14 56 m ³	0	
Length of line/track clearing (km: x Width: 3 m)	0	3 km 0.9 ha	0	
Camp area to be cleared (ha)	Planning to use existing camp at Tregony			
Camp Infrastructure (i.e. demountable, tents)	Tents/ Caravan	Tents/ Caravan	Tents/ Caravan	
Previous disturbance yet to be remediated on title (ha) if known	0.5 ha			
Other				
Total area disturbed proposed (ha)	0.8 ha	1.46 ha	0.06 ha	

Mining Interests (i.e. titles)	EL31331	EL31530		
2nd Stage Programme				
Number and type of proposed drill holes	24 RC/DD	8 RC		
Maximum depth of proposed holes (m)	240	180		
Number and size of drill pads to be cleared: AC/RAB (15 m x 4 m) RC/DD (20 m x 20 m)	24	8		
Total area of drill pads to be cleared (ha)	0.96 ha	0.32 ha		
Is drilling likely to encounter groundwater? (Y, N, unsure)	Y	Y		
<i>Number of sumps (L: 2 m x W: 2 m x D: 1 m) = m³ (within pads)</i>	24 96 m ³	8 36 m ³		
<i>Length of line/track clearing (km: x Width: 3 m)</i>	0	6.6 km 1.98 ha		
Camp area to be cleared (ha)	Existing Tregony camp			
Camp Infrastructure (i.e. demountable, tents)	Tents/ Caravan	Tents/ Caravan		
Previous disturbance yet to be remediated on title (ha) if known				
Other				
Total area disturbed proposed (ha)	0.96 ha	2.3 ha		

Section 5 – Previous Disturbance (for existing Authorisations only)

Mining Interests (i.e. titles)	EL	EL	EL	EL
Number/type of holes drilled				
Maximum depth of holes drilled (m)				
Number of holes remediated (i.e. plugged/capped)				
Number and size of drill pads cleared (Length: m x Width: m)				
Total area of drill pads cleared (ha)				
Total area of drill pads remediated (ha)				
Was groundwater encountered? (Y or N)				
Length of line/track cleared (Length: 3.24 km x Width: 3 m)				
Length of line/track remediated (Length: km x Width: m)				
Camp area/s cleared (ha)				
Camp area/s remediated (ha)				
Total area disturbed (ha)				
Total area remediated (ha)				

Section 6 – Environmental Management

By checking these boxes, you are agreeing to implement the following minimum environmental management standards on the project area. Where boxes have been left unchecked, justification is required.

6.1	√	Blade-up approach for clearing will be used (i.e. no windrows, leave root stock and topsoil)
6.2	√	Significant vegetation will be avoided during clearing (i.e. large trees, specimens providing habitat or food sources, riparian vegetation, and threatened species)
6.3	√	Vegetation clearing during, and immediately after rainfall events, will be avoided
6.4	√	Vegetation clearing will be kept to the minimum required to safely traverse vehicles and drill rigs along tracks and drill pads
6.5	√	Where blade-up techniques cannot be employed, topsoil and vegetation will be stockpiled appropriately for remediation purposes
6.6	√	All employees and contractors will be trained and inducted in relation to the management of environmental risks in the work area, including weeds, waterways, threatened species, soil erosion, sacred sites and heritage areas
6.7		Sumps will be lined or tanks of appropriate size to contain water, sediment and drilling fluids encountered during drilling, will be used
6.8	√	Sumps, drill holes, and fuel stores will be located away from environmentally significant areas and water courses
6.9	√	Excavations (sumps, costeans and pits) will be appropriately ramped to allow fauna egress
6.10	√	Drill holes will be securely capped immediately after drilling
6.11	√	Vehicle hygiene measures will be employed to prevent the introduction and spread of invasive species and pathogens when mobilising vehicles and equipment from one location to another
6.12	√	Hydrocarbon spills will be minimised using liners and drip trays under machinery, and appropriately sized spill-kits available in the event of a spill
6.13	√	Hazardous substances (including hydrocarbons) will be stored and handled in accordance with relevant Australian Standards
6.14	√	Hydrocarbons will be stored in lined and bunded areas
6.15	√	Waste will be stored securely while on-site to minimise windblown rubbish and access by feral animals
6.16		Waste will be removed off-site and disposed of at an appropriate waste management facility
6.17	√	All environmental incidents will be reported to the Department in accordance with Section 29 of the <i>Mining Management Act</i> .

Justification and alternative management measures:

6.6 Sumps for RC and AC (if required) will not be lined. RC sumps will be used to control groundwater discharge. Lining RC sumps is not practical as not all RC holes will intersect water and using a liner restricts water dispersal to evaporation only slowing down the remediation process. DD holes will be lined as it important to contain and recycle drilling water and contain drilling fluids and cuttings.

6.16 All recyclable waste (aerosols, batteries, cans, etc) is sorted and stored at Wilson’s camp then disposed at an appropriate waste facility in Alice Springs. Flammable and perishables (food scraps) are burnt at the Wilson’s camp dump (or field camp disposal pit) and all non-recyclable material is contained in the Wilson’s camp refuse site.

Section 7 – Remediation and Closure

By checking these boxes, you are agreeing to implement the following minimum remediation standards on the project area. Where boxes have been left unchecked, justification is required.

7.1	√	Drill holes plugged below ground level at a minimum depth of 0.4 metres and soil mounded to prevent subsidence, within 6 months of completion of drilling
7.2	√	Drill samples/spoil returned down drill holes, buried in sumps, or removed from site
7.3	√	All drill hole and access markers including flagging tape, wooden markers and star pickets will be removed from site
7.4	√	Re-contouring of cut and fill drill pads will be consistent with the surrounding terrain
7.5	√	Ripping/scarifying of drill pads, and compacted areas along the contour (on sloping ground) and cross-ripping (zig-zag) along tracks
7.6		Tracks will be remediated, including pushing in all windrows
7.7	√	Appropriate erosion and sediment controls will be installed where erosion is evident or likely to occur
7.8	√	All tracks will be remediated unless otherwise agreed in writing by the land holder or appropriate third party
7.9	√	Access through watercourses will be removed and banks restored
7.10	√	No erosion is occurring in disturbed areas, on tracks and in remediated areas
7.11	√	All excavations backfilled within 6 months of completion of drilling
7.12	√	All water bores decommissioned unless otherwise agreed in writing by the land holder or appropriate third party. The bore must comply with the Minimum Construction Requirements for Water Bores in Australia and may require permits or licenses under the <i>Water Act</i>
7.13	√	All rubbish and infrastructure will be removed from site
7.14	√	Replacement of topsoil and vegetation
7.15	√	Contaminated soils (e.g. hydrocarbon or hazardous chemicals) will be remediated or removed from site
7.16	√	Monitoring will be undertaken following the wet season or a significant rainfall event

Justification and alternative management measures:




7.6 All access tracks will be remediated with the exception of AC/RAB lines. Experience in the Tanami region has shown that, given the limited clearing undertaken for AC/RAB drilling, ripping with machinery at the end of a program creates more significant disturbance. Monitoring of AC/RAB lines is scheduled and remediation will be completed if required.

Section 8 – Required Attachments

8.1	√	Security Calculation Spreadsheet
8.2	N/A	Nomination of Operator Form
8.3	N/A	Spreadsheet with coordinates of proposed drill holes or polygons of target areas
8.4	√	Google Earth KML/shape files/track logs of proposed tracks and camp sites
8.5	√	<p>A map of the work area(s) showing:</p> <ol style="list-style-type: none"> 1. title boundaries and title numbers 2. current and proposed drill holes, or polygons of target areas 3. current and proposed tracks 4. remediated areas 5. camp sites 6. sacred/heritage sites – Unable to show sacred sites due to confidentiality restrictions in Exploration Agreements with CLC 7. environmental constraints
8.6	N/A	Remediation Register (for existing Authorisations)
8.7	N/A	Photographs of remediation work
8.8	N/A	Radiation Management Plan (if applicable)

Section 9 – Declaration

The Mining Management Plan must be endorsed by a senior representative of the company who has the appropriate level of authority to do so.

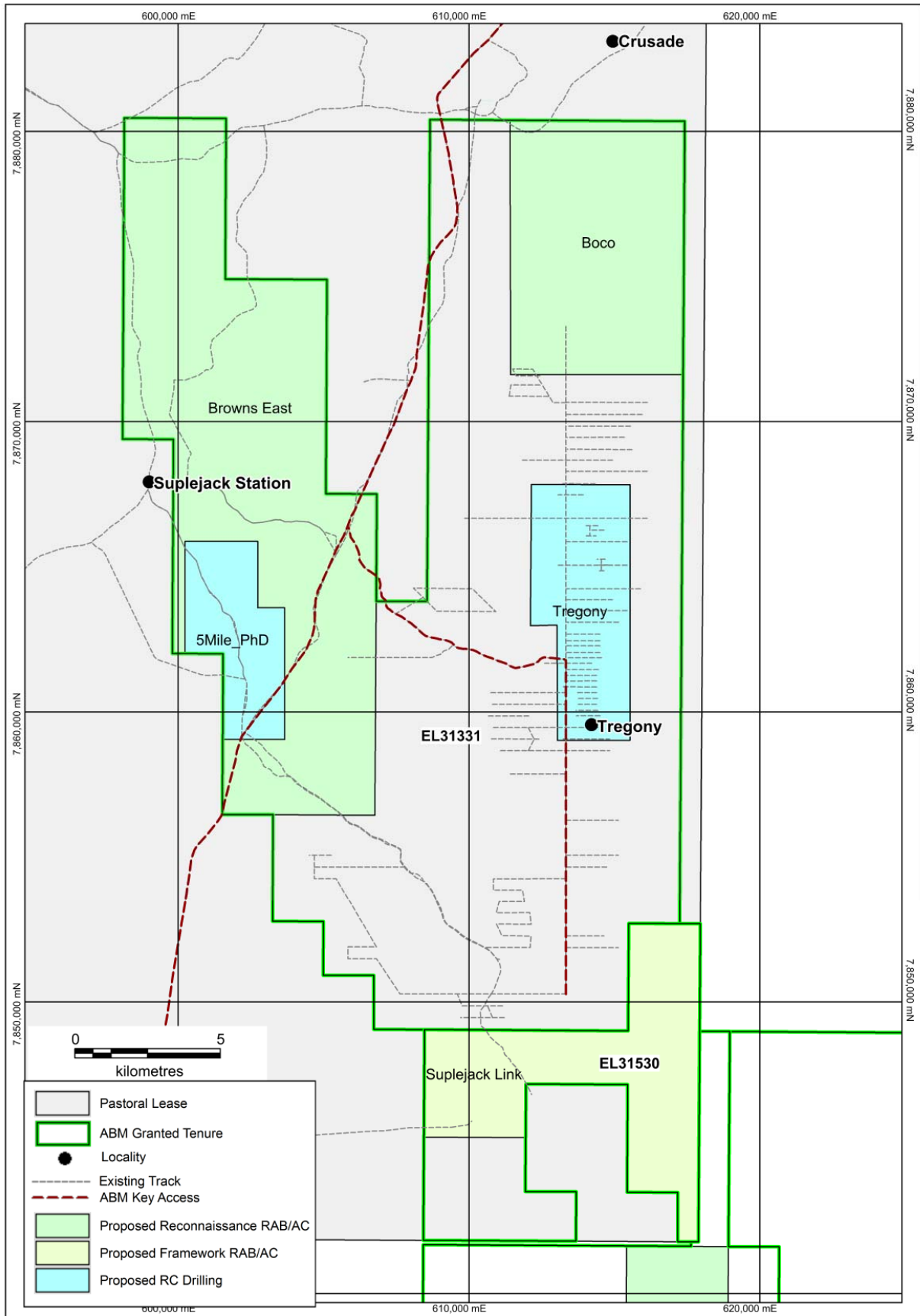
	Author	Reviewed by	Approved by
Date	4 April 2019	10 April 2019	10 April 2019
Name	Gillian McBain	Neil Jones	Neil Jones
Signature			

I ...Neil Jones, Exploration Manager, declare that I have the authority to make the commitments contained in this mining management plan on behalf of the company. To the best of my knowledge the information contained in this plan is true and correct and commit to undertake the works in accordance with the agreed minimum standards and all relevant Northern Territory and Commonwealth Government legislation.



SIGNATURE:

DATE: ...10 April 2019.....



Appendix 8.5 Proposed work areas