

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	Berinka Pine Creek Project
Authorisation Number Insert existing authorisation number, where applicable	TBA
Operator Name Use ASIC-ABR registered name (if a company), or name of the applicant	Focus Exploration Pty Ltd
Location and Access Details Include brief description of the location, access details, and distance to nearest town or community	EL31710 is located approximately 110km (as the crow flies) SW of Adelaide River and approximately 42km SW of the small community of Maranunga. Access to the area is off the Stuart Highway at Adelaide River and via sealed roads; Dorat Rd, Daly River Road and Port Keats Road. From Port Keats Road its approximately 7km south via station access tracks.
Target Commodity Details Include target commodities (i.e. gold, copper etc)	Primarily Gold but also Copper, Nickel, Cobalt, PGEs

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<p>Mining Activities Summarise the mining activities (exploration) to be the subject of the proposed Authorisation or Variation</p>	<p>Focus plans to conduct 11 reverse circulation drill holes to approximately 150m at -315° NW over 4 areas. Tracks and drill pads will be required as the area has established vegetation. The area is near dry creeks and watercourses. The drilling will not intersect watercourses and will not require sumps for water collection.</p> <p>A spreadsheet with the drill hole data is located at Appendix 1. The digital files are located in Appendix 11.</p> <p>All samples will be collected within plastic bags every metre and splits will be taken for analysis. The holes will be capped immediately on completion of the hole and all rubbish removed from site.</p>
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<p>Proposed Schedule Include start and finish dates of ground disturbing work</p>	<p>June 2020 to June 2021</p>
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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
EL31710	Focus Exploration Pty Ltd	21/03/2025	NT Portion 1666 – PPL – Elizabeth Downs Station
			NT Portion 2700 – Crown Lease Perpetual

Delete or add rows as required

Organisational Structure

Position Title	Name
Director	Graham Durtanovich
Director	James Allchurch
Exploration Manager	James Allchurch

Position Title	Name
Senior Geologist	TBA
Environmental Manager	TBA

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.	Likelihood Assessment in Appendix 11 See NR Maps in Appendix 8.
Step 2: Are there any known declared weeds within the proposed work area?	No	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).	Appendix 8
Step 3: Will you be using water from bores or other sources for the operation?	No	<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>	Bore location map is located in Appendix 8. However, these bores will not be interfered with or utilised.

Environmental assessment and cultural considerations

ASSESSMENT ASPECT	YES or NO	MANAGEMENT REQUIREMENTS	Appended Information
<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.	See Appendix 12. EPA Assessment. See Appendix 13- Biodiversity Assessment Report.
<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.	There are 3 recorded sites within EL31710. These sites are not near proposed drilling or tracks. See Appendix 5.
<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.	A search was conducted on 30 May 2019 by the Heritage Branch of the Department of Tourism, Sport and Culture. It was found that there are several sites near EL31710, so it is likely that there are archaeological sites within the licence, particularly near rocky outcrops, escarpments and watercourses. Due to the size of the exploration area, The Heritage Branch recommend that archaeological surveys be conducted on any areas that will be subjected to disturbance through exploration activities. Focus have decided not to proceed with this at this time. All areas will be inspected before clearing. If any artefacts or archaeological sites are found, the area will not be cleared and the Heritage Branch at Department of Tourism, Sport and Culture will be notified. See Appendix 4

Section 3 – Amendments

Section	Amendment
Section 1 – Mining Activities	Typo amended in this section. Amount of drill holes amended.
Section 1 – Mining Activities	<p>Attached is a Topography map, which shows the non-perennial watercourses within the project area. There are only non-perennial watercourses within the project area. There are nil rivers and creeks.</p> <p>Focus Exploration will use existing tracks and will clear shorter tracks from the existing tacks. Non-perennial watercourses and drainage lines will not be cleared and crossed, as shown in the map in Appendix 3.</p>
Section 1 – Mining Activities	Updated proposed drill holes and associated access tracks have been provided in Appendices 1, 3 and 7.
Section 1 – Mining Activities	<p>When clearing vegetation, Focus will follow the Land Clearing Guidelines 2019.</p> <p>There are numerous ephemeral waterways on the title area. These areas will be avoided by observing a minimum 25m buffer zone between any drainage and any areas designated for clearing. First Order Intermittent Streams will also have a minimum 25m buffer zone between them and areas for clearing.</p> <p>There are nil rivers or creeks within the project area. There are only non- perennial watercourses.</p> <p>Non-perennial watercourses and drainage lines will not be cleared and crossed, as shown in the map in Appendix 3.</p>
Section 1 – Mining Interest and Ownership	Focus is in the process of obtaining a Land Access Agreement with the pastoralist.
Section 2 - Operator Self-Assessment of the Environmental Risk	Focus have engaged Mihkel Proos from Connect Environmental to interpret the available data to determine the potential/likelihood for State and/or Commonwealth listed threatened species to be in the proposed disturbance areas. Biodiversity Assessment Report prepared by Connect Environmental attached at Appendix 13.

Section	Amendment
Section 2 Operator Self-Assessment of the Environmental Risk	<p>Focus Exploration will place buffers around the registered sacred sites areas. These areas will be marked off with tape. Tracks will not be constructed to these areas, so clearing and disturbances will not occur within these areas.</p> <p>Attached is the proposed works map showing the AAPA buffer areas.</p>
Section 2 Operator Self-Assessment of the Environmental Risk	<p>Focus Exploration will avoid rocky outcrops and watercourses. As shown in section 1, buffers around drainage lines will prevent works within watercourse areas. James Allchurch, Director and Exploration Manager will also approve areas before clearing and will not approve areas of rocky outcrops for clearing.</p> <p>Therefore, a qualified person to undertake archaeological surveys is not required.</p>
Section 4	<p>Proposed work program updated. Drillholes and tracks amended.</p> <p>Addition of camp details.</p>
Missing or inadequate information	<ul style="list-style-type: none"> - All references to Mandrake removed from document, file names and appendices. - Land Access Agreement matter referred to the Land Access Panel on 19 May 2020. It is understood that the MMP Authorisation cannot be approved until this is submitted. - The watercourses within the project area are ephemeral waterways that can be classed as intermittent streams or drainage depressions. As per the DENR land clearing guidelines, a 25m buffer of riparian vegetation must remain between the watercourse and clearing. The vegetation buffer is measured from the outer edge of riparian vegetation or stream channel (whichever is the greater). <p>BRC_PROP09 and BRC_PROP10 are approximately 60m from nearby watercourses. Focus will ensure the buffer distance of the outer edge of the drill pad to the watercourse levee is 25m or greater. This will be measured before clearing of the drill pad.</p> <p>Track near BRC_PROP09 relocated, as it was too close to the watercourse.</p>

Section	Amendment
Security	Amended Security Calculation attached has accounted for grouting of drillholes.
MMP Format	Application for Authorisation Form attached. Also submitted with first MMP lodgement.
Appendix 3	Maps updated. Track too close to watercourse moved and company name on map updated.
Appendix 7	Updated digital files for the relocated track.

Section 4 – Activities Proposed

Mining Interests (i.e. titles)	EL
Number and type of proposed drill holes	11 reverse circulation (RC) holes
Maximum depth of proposed holes (m)	150 m
Number and size of drill pads to be cleared (Length: 10m x Width:10m)	11 (10m X 10m)

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Mining Interests (i.e. titles)	EL
Total area of drill pads to be cleared (ha)	0.11Ha
Is drilling likely to encounter groundwater? (Y, N, unsure)	Unsure
Number of costeans (Length: m x Width: m)	N/A
Number of bulk sample pits	N/A
Total bulk sample (tonnes) (Length: m x Width: m x Depth: m)	N/A
Bulk sample pits approved under <i>Mineral Titles Act</i> ? (Y or N)	N/A
Length of line/track clearing (km: x Width: 4 m)	Existing tracks shown on maps. New proposed tracks shown on maps- Appendix 3. New proposed tracks, 1.46km x 0.004km= 0.00584km2= Total= 0.584 Ha
Camp area to be cleared (ha)	30m X 30m= 900m2= 0.09 Ha
Camp Infrastructure (i.e. demountable, tents)	1 Ablution/kitchen Van 1 Dormitory Van 1 Genset & potable water tank, possibly trailer mounted. 2-3 Small tents Portaloo Laydown for drilling equipment, possibly a trailer mounted sea-container.
Previous disturbance yet to be remediated on title (ha) if known	N/A

Mining Interests (i.e. titles)	EL
Other	N/A
Total area disturbed proposed (ha)	0.584 Ha + 0.11 Ha + 0.09 Ha = 0.784 Ha

Section 5 – Previous Disturbance (for existing Authorisations only)

N/A – first MMP

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: km x Width: m)				
Length of line/track remediated (Length: km x Width: m)				
Number of costeans excavated (L: m x W: m x D: m)				
Number of costeans remediated				
Total bulk sample pits excavated (Length: x Width: x Depth: m)				

Mining Interests (i.e. titles)	EL	EL	EL	EL
Total bulk sample pits remediated				
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	<input checked="" type="checkbox"/>	Blade-up approach for clearing will be used (i.e. no windrows, leave root stock and topsoil)
6.2	<input checked="" type="checkbox"/>	Significant vegetation will be avoided during clearing (i.e. large trees, specimens providing habitat or food sources, riparian vegetation, and threatened species)
6.3	<input checked="" type="checkbox"/>	Vegetation clearing during, and immediately after rainfall events, will be avoided
6.4	<input checked="" type="checkbox"/>	Vegetation clearing will be kept to the minimum required to safely traverse vehicles and drill rigs along tracks and drill pads
6.5	<input checked="" type="checkbox"/>	Where blade-up techniques cannot be employed, topsoil and vegetation will be stockpiled appropriately for remediation purposes
6.6	<input checked="" type="checkbox"/>	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	<input checked="" type="checkbox"/>	Sumps will be lined or tanks of appropriate size to contain water, sediment and drilling fluids encountered during drilling, will be used
6.8	<input checked="" type="checkbox"/>	Sumps, drill holes, and fuel stores will be located away from environmentally significant areas and water courses
6.9	<input checked="" type="checkbox"/>	Excavations (sumps, costeans and pits) will be appropriately ramped to allow fauna egress
6.10	<input checked="" type="checkbox"/>	Drill holes will be securely capped immediately after drilling
6.11	<input checked="" type="checkbox"/>	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	<input checked="" type="checkbox"/>	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:

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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

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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:

Section 8 – Required Attachments

8.1	✓	Security Calculation Spreadsheet
8.2	✓	Nomination of Operator Form
8.3	✓	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 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	3 June 2020	3 June 2020	3 June 2020
Name	Holly Edgar	James Allchurch	James Allchurch
Signature			

I James Allchurch, Director of Focus Exploration Pty Ltd 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: 3 June 2020