

March 2023

Prospecting authority work program

Work Program ID Number

Application for

Grant Renewal Transfer Amendment

Project

Is this authority part of a mining and exploration project? Select (if yes, provide details in the Project section)

Mineral group/s

1 2 3 4 5 6 7 8 9 9A 10 11 12

Authority type:

Authority number:

Act/Year:

Authority holder(s)/Applicant(s):

Stages of exploration (indicate all years where activities of any stage are proposed)

	Stage 1	Stage 2	Stage 3	Stage 4	Stage 5
Indicative progress	Reconnaissance	Target definition	Prospect testing	Advanced prospect testing	Resource definition
Year 1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Year 2	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Year 3	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Year 4	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Year 5	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Year 6	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Proposed estimated expenditure for the term (inclusive of exploration, environmental and community activities)

\$

Prior to completing the work program form it is important to read the [Exploration Guideline: Work programs for prospecting titles](#) (work program guideline) and the [Mineral prospecting minimum standards: for work programs and technical and financial capability](#) (the Standards).

Exploration rationale

Explain why the area is considered to have potential and why the proposed program is appropriate, inclusive of geology, deposition style and main economic mineral/s sought

Exploration objectives

Outline the overall objectives for the term of the authority

Proposed exploration activities for the term (refer to Appendix 1)

Stage 1 – Reconnaissance

Location	Desktop studies	Mapping	Sampling	Geophysics Air	Geophysics Ground	Other activities
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Stage 1: Provide details on the proposed method(s) to identify broad geological, geochemical or geophysical anomalies, historic or conceptual targets, and/or unvalidated targets.

Stage 2 – Target definition

Location	Desktop studies	Mapping	Sampling	Geophysics Air	Geophysics Ground	Drilling	Other activities
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Stage 2: Provide details on the proposed method(s) to confirm the mineral potential of identified anomalies and targets, and prioritise targets warranting prospect scale detailed assessment.

Stage 3 – Prospecting testing							
Location	Desktop studies	Mapping	Sampling	Geophysics Air	Geophysics Ground	Drilling	Other activities
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Stage 3: Provide details of the proposed method(s) to assess prospects to determine if the mineral deposit(s) have significant potential, warranting more intensive assessment of the prospect’s potential as a Mineral Resource.							

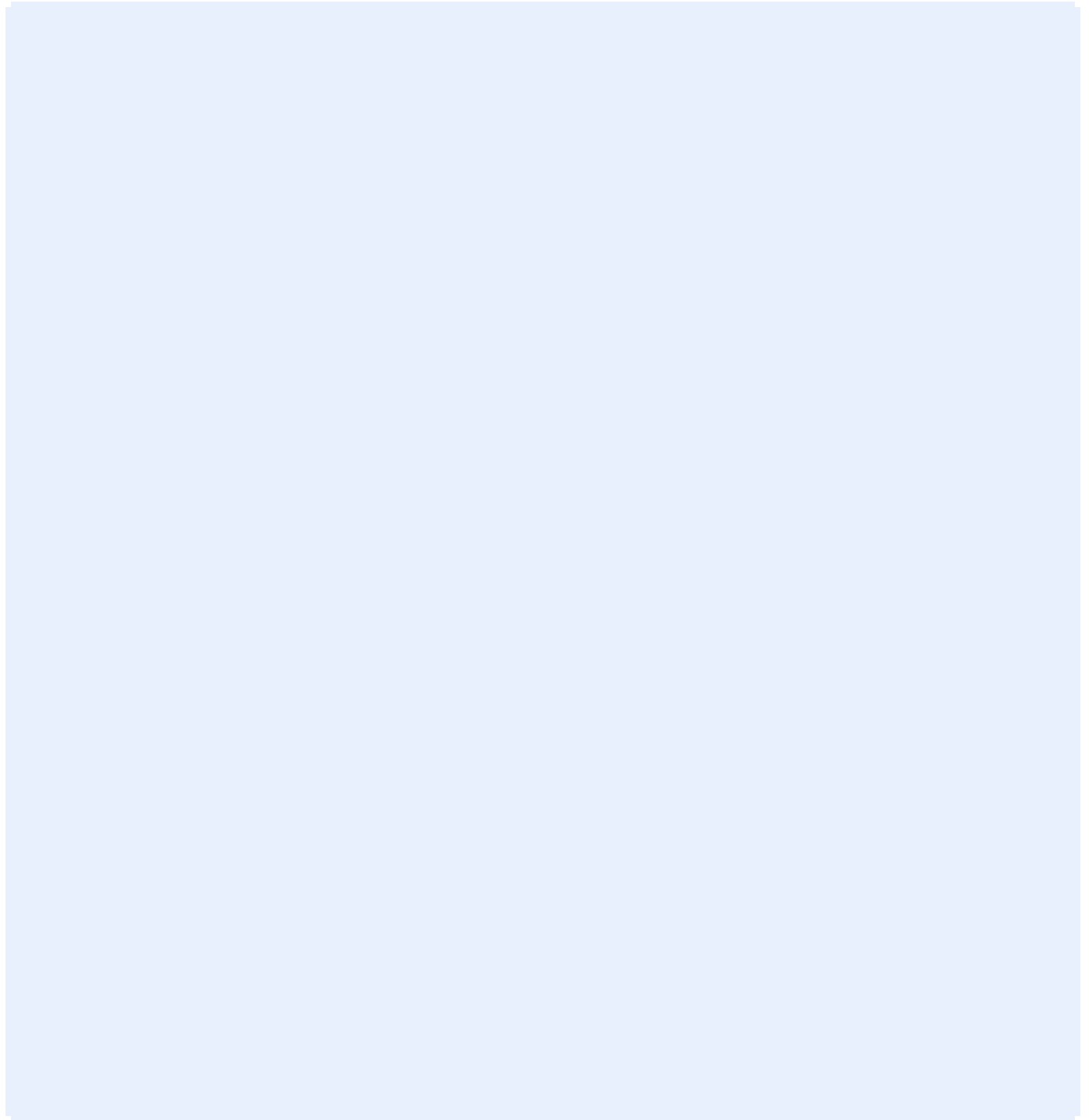
Stage 4 – Advanced prospect testing							
Location	Mapping	Sampling	Geophysics Air	Geophysics Ground	Drilling	Project development studies	Other activities
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Stage 4: Provide details on the proposed method(s) to undertake intensive assessment of a mineral deposit to determine if there is potential to identify a Mineral Resource, producing at minimum a global resource estimate.							

Stage 5 – Resource definition							
Location	Mapping	Sampling	Geophysics Air	Geophysics Ground	Drilling	Project development studies	Other activities
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Stage 5: Provide details on the proposed method(s) to undertake an intensive Mineral Resource definition program including consideration of factors impacting the economic viability to mine the mineral deposit, to produce a Joint Ore Reserve Committee (JORC) or JORC equivalent estimate of categorised Mineral Resources and/or Ore Reserves.

Diagram of proposed exploration activities for the term

Scaled diagram/map showing the locations of exploration activities proposed for the term. The scaled diagram/map should also include the authority boundary, towns and major infrastructure (e.g. railways, highways, roads).



Proposed environmental activities for the term

Category of prospecting operations proposed

- Exempt development Complying exploration activities (CEA) Non-complying exploration activities non-CEA

Proposed environmental management and rehabilitation activities for the term

- Environmental studies
- Environmental/rehabilitation management plans
- Rehabilitation activities
- Environmental management systems
- Other activities

Authority holders are reminded that an activity approval must be obtained prior to carrying out any “assessable prospecting operation” (sections 23A and 44A of the *Mining Act 1992*). In addition, standard conditions of authority include obligations regarding environmental protection and rehabilitation, including compliance with the [Exploration Code of Practice: Environmental Management](#) and [Exploration Code of Practice: Rehabilitation](#). For more information refer to the Department’s website.

Proposed community consultation activities for the term

- Stakeholder notifications
- Provision of information
- Landholder liaison/negotiations
- Public meetings
- Community consultative committee
- Other activities

Authority holders are reminded that the conditions of authority require community consultation to be carried out in accordance with the [Exploration Code of Practice: Community Consultation](#). For more information refer to the Department’s website.

Project: Exploration and mining operation project

Project name:

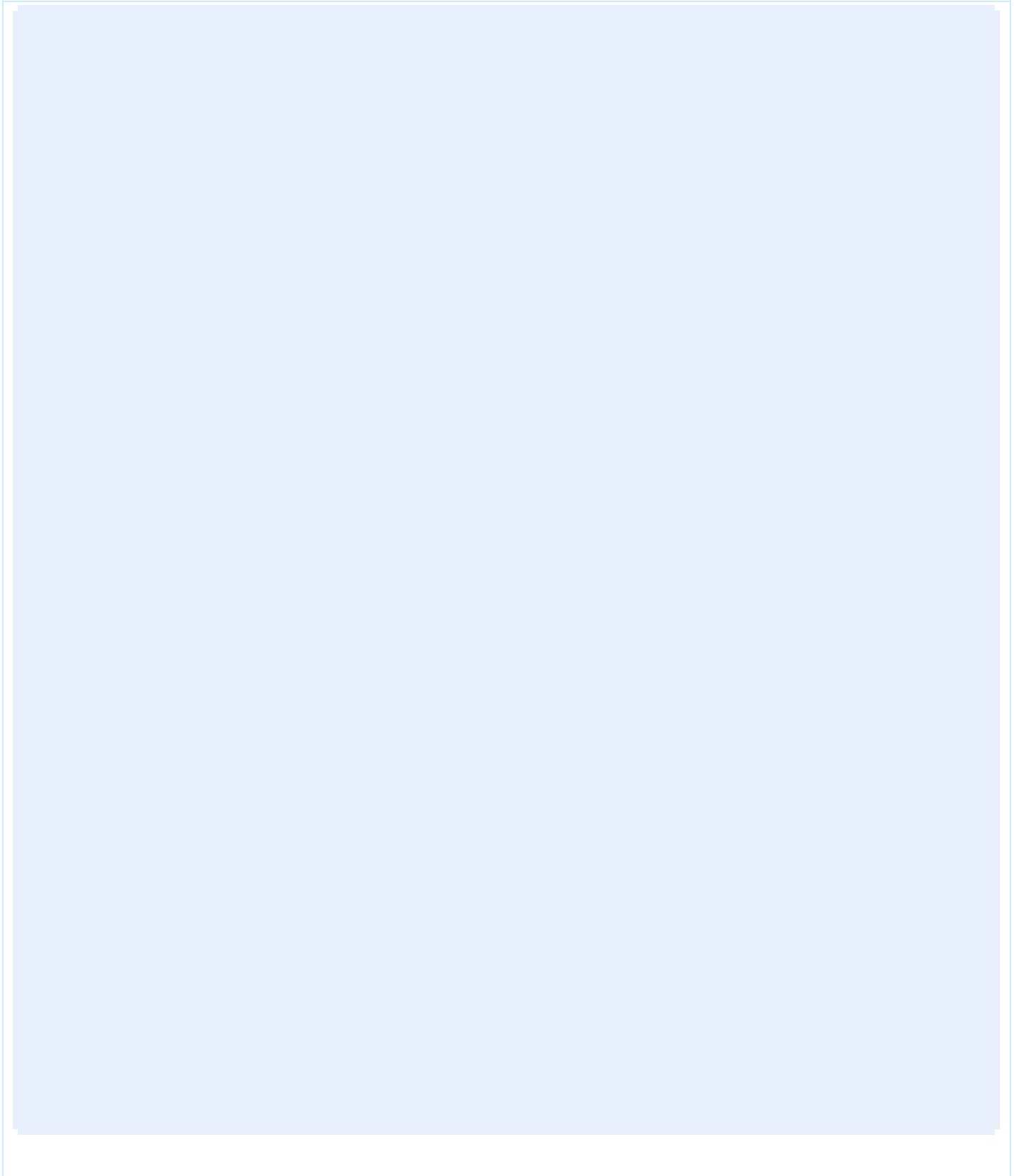
Authorities within the project:

Geological province:

Project justification (as per the Standards):

Project map: Exploration and mining operation projects (as per the Standards)

Scaled diagram/map showing the locations of authorities are clearly labelled that are considered to be part of the project. The scaled diagram/map should also include the authority boundaries, towns and major infrastructure (e.g. railways, highways, roads)



Appendix 1 – Minimum standards

Stage	1. Reconnaissance	2. Target Definition	3. Prospect Testing	4. Advanced Prospect Testing	5. Resource Definition
Initial status:	Authority holder identifies a target commodity and establishes the exploration rationale.	Authority holder has identified broad geochemical or geophysical anomalies, historic or conceptual targets and/or unvalidated targets identified.	Authority holder has confirmed the mineral potential, warranting prospect scale assessment.	Authority holder has identified a significant mineral deposit, warranting more intensive assessment of its potential as a Mineral Resource.	Authority holder has confirmed the Mineral Resource as an informal global resource or possibly an initial Inferred JORC Resource.
Objective:	<ul style="list-style-type: none"> Available data prepared and collated Exploration targets identified. 	<ul style="list-style-type: none"> Validate the presence of mineral potential and refine targets Prioritise targets. 	<ul style="list-style-type: none"> Test prospects to identify presence of significant quantum and tenor of mineral potential Prioritise prospects for assessment. 	<ul style="list-style-type: none"> Assess the quantum, tenor and continuity of mineral potential Characterise the mineral potential. 	<ul style="list-style-type: none"> Define Resource or Reserve Increase Resource or Reserve confidence Characterise ore Assess feasibility Mine planning.
Typical activities:	<ul style="list-style-type: none"> Project generation Tectonic assessment Literature review Data compilation and validation Remote sensing data acquisition Land access negotiation Regional scale non-targeted empirical geophysical or geochemical surveying Low impact reconnaissance or regional geological mapping Regional mineral vectoring studies. 	<ul style="list-style-type: none"> Land access negotiation Data/geophysics reprocessing Target validation Semi-targeted broad empirical geophysical or geochemical surveying Localised geological mapping Local scale mineral vectoring studies Empirical drill testing Review exploration priorities. 	<ul style="list-style-type: none"> Land access negotiation Detailed targeted geological mapping Reprocessing prospect scale geophysics Targeted geophysical or geochemical surveying Geochemical sampling or trenching Initial sporadic targeted drill testing Downhole geophysics Early characterisation studies. 	<ul style="list-style-type: none"> Community consultation and land access negotiation Extensive geochemical sampling or trenching Systematic targeted drilling (RC or diamond) Systematic characterisation studies Developing geological or mineral potential models Possible bulk sampling. 	<ul style="list-style-type: none"> Community consultation Intensive systematic drill testing Developing or revising resource estimations or geological models Metallurgical and geotechnical testing Ore characterisation Bulk sampling Validating models Feasibility studies EIS studies Environmental monitoring Marketing studies Mine planning studies.
Outcome/criteria for progression:	Authority holder has identified broad geochemical or geophysical anomalies, historic or conceptual targets and/or unvalidated targets	Authority holder has confirmed the mineral potential, warranting prospect scale assessment	Authority holder has identified a significant mineral deposit warranting more intensive assessment of Mineral Resource potential	Authority holder has confirmed resource potential as an informal global resource or possibly an initial Inferred JORC Resource	Titleholder has categorised the informal global resource into a JORC or JORC equivalent Inferred, Indicated and/or Measured Resource

When and how to submit a work program

A proposed work program for a prospecting authority must be prepared in accordance with the Work Program Guideline. The table below lists the circumstances when a work program needs to be submitted and what and how to submit it.

When do I need to submit a work program?	How do I submit a work program?
<ul style="list-style-type: none"> With any application for the grant, renewal or transfer of a prospecting authority For mining leases that don't have current development consent, with any application for the renewal or transfer of that mining lease 	<ol style="list-style-type: none"> Complete the work program form Save the form as a PDF using the file convention below Include the completed work program form (PDF) in the supporting documents for the grant, renewal or transfer application
To lodge a work program amendment	<ol style="list-style-type: none"> Complete the work program form Save the form as a PDF using the file naming convention below Prepare justification for the amendment. The justification can be provided in a separate document or in email Complete an application to amend a work program via the Departments Titles Management System or send the completed work program form (PDF) and justification for the amendment via email to titles@regional.nsw.gov.au

File naming convention

Completed work programs must be submitted in pdf file format and named using the following file naming convention:

WP Applicant's name/licence number