September 2024

Prospecting authority work program

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| **Work Program ID Number** | Government use only |

Application for

[ ]  Grant [ ]  Renewal [ ]  Transfer [ ]  Amendment

Project

Is this authority part of a mining and exploration project?  (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):

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| 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 | [ ]  | [ ]  | [ ]  | [ ]  | [ ]  |
| Year 2 | [ ]  | [ ]  | [ ]  | [ ]  | [ ]  |
| Year 3 | [ ]  | [ ]  | [ ]  | [ ]  | [ ]  |
| Year 4 | [ ]  | [ ]  | [ ]  | [ ]  | [ ]  |
| Year 5 | [ ]  | [ ]  | [ ]  | [ ]  | [ ]  |
| Year 6 | [ ]  | [ ]  | [ ]  | [ ]  | [ ]  |

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

Prior to completing the work program form is it important to read the [Exploration Guideline: Work programs for prospecting titles](https://www.resourcesregulator.nsw.gov.au/sites/default/files/2022-11/exploration-guideline-work-programs-for-prospecting-titles.pdf) (work program guideline) and the [Mineral prospecting minimum standards: for work programs and technical and financial capability](https://www.resourcesregulator.nsw.gov.au/sites/default/files/2022-11/mineral-prospecting-minimum-standards.pdf) (the Standards).

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| 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.      |

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| Exploration objectives |
| Outline the overall objectives for the term of the authority. |
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| Proposed exploration activities for the term (refer to Appendix 1) |
| **Stage 1 – Reconnaissance**  |
| **Location** | Desktop studies | Mapping | Sampling | Geophysics Air | Geophysics Ground | Other activities |  |
| Whole authority | [ ]  | [ ]  | [ ]  | [ ]  | [ ]  | [ ]  |  |
| Part authority | [ ]  | [ ]  | [ ]  | [ ]  | [ ]  | [ ]  |  |
| Part authority | [ ]  | [ ]  | [ ]  | [ ]  | [ ]  | [ ]  |  |
| 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.  |
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| Stage 2 – Target definition  |
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| **Location** | Desktop studies | Mapping | Sampling | Geophysics Air | Geophysics Ground | Drilling | Other activities |
| Whole authority | [ ]  | [ ]  | [ ]  | [ ]  | [ ]  | [ ]  | [ ]  |
| Part authority | [ ]  | [ ]  | [ ]  | [ ]  | [ ]  | [ ]  | [ ]  |
| Part authority | [ ]  | [ ]  | [ ]  | [ ]  | [ ]  | [ ]  | [ ]  |
| Part authority | [ ]  | [ ]  | [ ]  | [ ]  | [ ]  | [ ]  | [ ]  |
| Named target | [ ]  | [ ]  | [ ]  | [ ]  | [ ]  | [ ]  | [ ]  |
| Named target | [ ]  | [ ]  | [ ]  | [ ]  | [ ]  | [ ]  | [ ]  |
| 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. |
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| **Stage 3 – Prospecting testing**  |
| **Location** | Desktop studies | Mapping | Sampling | Geophysics Air | Geophysics Ground | Drilling | Other activities |
| Whole authority | [ ]  | [ ]  | [ ]  | [ ]  | [ ]  | [ ]  | [ ]  |
| Part authority | [ ]  | [ ]  | [ ]  | [ ]  | [ ]  | [ ]  | [ ]  |
| Part authority | [ ]  | [ ]  | [ ]  | [ ]  | [ ]  | [ ]  | [ ]  |
| Named prospect | [ ]  | [ ]  | [ ]  | [ ]  | [ ]  | [ ]  | [ ]  |
| Named prospect | [ ]  | [ ]  | [ ]  | [ ]  | [ ]  | [ ]  | [ ]  |
| Named prospect | [ ]  | [ ]  | [ ]  | [ ]  | [ ]  | [ ]  | [ ]  |
| Named prospect | [ ]  | [ ]  | [ ]  | [ ]  | [ ]  | [ ]  | [ ]  |
| 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. |
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| Stage 4 – Advanced prospect testing  |
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| **Location** | Mapping | Sampling | Geophysics Air | Geophysics Ground | Drilling | Project development studies | Other activities |
| Named prospect | [ ]  | [ ]  | [ ]  | [ ]  | [ ]  | [ ]  | [ ]  |
| Named prospect | [ ]  | [ ]  | [ ]  | [ ]  | [ ]  | [ ]  | [ ]  |
| Named prospect | [ ]  | [ ]  | [ ]  | [ ]  | [ ]  | [ ]  | [ ]  |
| Named prospect | [ ]  | [ ]  | [ ]  | [ ]  | [ ]  | [ ]  | [ ]  |
| Named prospect | [ ]  | [ ]  | [ ]  | [ ]  | [ ]  | [ ]  | [ ]  |
| 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. |
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| **Stage 5 – Resource definition**  |
| **Location** | Mapping | Sampling | Geophysics Air | Geophysics Ground | Drilling | Project development studies | Other activities |
| Named prospect/deposit | [ ]  | [ ]  | [ ]  | [ ]  | [ ]  | [ ]  | [ ]  |
| Named prospect/deposit | [ ]  | [ ]  | [ ]  | [ ]  | [ ]  | [ ]  | [ ]  |
| Named prospect/deposit | [ ]  | [ ]  | [ ]  | [ ]  | [ ]  | [ ]  | [ ]  |
| Named prospect/deposit | [ ]  | [ ]  | [ ]  | [ ]  | [ ]  | [ ]  | [ ]  |
| Named prospect/deposit | [ ]  | [ ]  | [ ]  | [ ]  | [ ]  | [ ]  | [ ]  |
| 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. |
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| 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). |
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| 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 | Activities - list |
| [ ]  Environmental/rehabilitation management plans | Activities - list |
| [ ]  Rehabilitation activities | Activities - list |
| [ ]  Environmental management systems | Activities - list |
| [ ]  Other activities | Activities - list |
| 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](https://www.resourcesregulator.nsw.gov.au/rehabilitation/exploration/exploration-codes-of-practice/code-of-practice-for-environmental) and [Exploration Code of Practice: Rehabilitation](https://www.resourcesregulator.nsw.gov.au/rehabilitation/exploration/exploration-codes-of-practice/code-of-practice-for-rehabilitation)*.* For more information refer to the Department's website. |

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| Proposed community consultation activities for the term |
| [ ]  Stakeholder notifications | Activities - list |
| [ ]  Provision of information | Activities - list |
| [ ]  Landholder liaison/negotiations | Activities - list |
| [ ]  Public meetings | Activities - list |
| [ ]  Community consultative committee | Activities - list |
| [ ]  Other activities | Activities - list |

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.](https://www.resourcesregulator.nsw.gov.au/rehabilitation/exploration/exploration-codes-of-practice/code-of-practice-for-community) For more information refer to the Department's website.

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| Project: Exploration and mining operation project |
| Project name:      Authorities within the project:      Geological province: Project justification (as per the Standards):        |

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| 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) |
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| 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: | * Available data prepared and collated
* Exploration targets identified.
 | * Validate the presence of mineral potential and refine targets
* Prioritise targets.
 | * Test prospects to identify presence of significant quantum and tenor of mineral potential
* Prioritise prospects for assessment.
 | * Assess the quantum, tenor and continuity of mineral potential
* Characterise the mineral potential.
 | * Define Resource or Reserve
* Increase Resource or Reserve confidence
* Characterise ore
* Assess feasibility
* Mine planning.
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| Typical activities:  |  |

 | * 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.
 | * 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.
 | * 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.
 | * 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.
 | * 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.
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| 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** |

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| 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.

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| When do I need to submit a work program? | How do I submit a work program?  |
| * 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
 | 1. Complete the work program form
2. Save the form as a PDF using the file convention below
3. Include the completed work program form (PDF) in the supporting documents for the grant, renewal or transfer application
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| To lodge a work program amendment | 1. Complete the work program form
2. Save the form as a PDF using the file naming convention below
3. Prepare justification for the amendment. The justification can be provided in a separate document or in email
4. Complete an application to amend a work program via the department’s Titles Management System or send the completed work program form (PDF) and justification for the amendment via email to titles@regional.nsw.gov.au
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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

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