



Senator the Hon Matthew Canavan

Minister for Resources and Northern Australia

MC19-000980

The Hon Melissa Price MP
Minister for the Environment
Parliament House
CANBERRA ACT 2600

05 APR 2019

Dear Minister *Melissa*

Thank you for your letter of 5 March 2019 seeking my views concerning your proposed approval of the Yeelirrie open cut uranium mine in the Shire of Wiluna, Western Australia.

I am pleased a decision is being made regarding the development of the Yeelirrie uranium mine. Mining projects are important to supporting jobs in regional communities across Australia. The Yeelirrie uranium mine will create 1200 construction jobs and 225 operational jobs in regional Western Australia. I understand that the Yeelirrie project is scheduled to produce 7500 tonnes of uranium oxide per year, for nuclear power operations around the world. The Yeelirrie uranium mine will be the first uranium mine to have received both State and Commonwealth approvals in Western Australia.

I understand that the management of the *Atriplex Yeelirrie* was identified in the conditions approved by the Western Australian Environmental Protection Authority. However the conditions suggested by your department (proposed conditions 10, 10a and 10b) go further. I am concerned that these conditions will prevent progressing the development of Cameco Yeelirrie project from anywhere between five to seven years and put at risk its progression as a viable mine.

My department has advised that Cameco has been engaging with your department on the proposed draft conditions, specifically around conditions 10, 10a and 10b and consideration of the revision of these conditions. I understand that Cameco is seeking to make these conditions consistent with the State environmental approval where possible, and are open to it including a set of clear milestones and reporting requirements, similar to the proposed conditions regarding the Night Parrot and Malleefowl habitat.

In addition, Geoscience Australia has advised that it considers the Western Australia Environment Protection Authority conditions for the project are adequate. They suggest that, as an avenue for streamlining reporting and compliance monitoring for the project, the management plans, reports, reviews, updates (State Conditions 6 and 7), including non-compliance notification (State Conditions 4.5 and 4.6), be submitted to your department along with the relevant WA authority.

I would encourage you and your department to continue to engage with Cameco Australia and consider conditions that ensure that potential impacts are carefully managed while still providing certainty for an investment pathway to enable the development and operation of this project.

The contact in my department on this matter is s22 Manager, Mining and
Investment, Resources Division, Department of Industry, Innovation and Science on
s22 or email: s22 [@industry.gov.au](mailto:s22@industry.gov.au).

Thank you for notifying me of your proposed decision.

Yours sincerely

A handwritten signature in blue ink, appearing to be 'm. canavan', with a long horizontal stroke extending to the right.

Matthew Canavan



THE HON MELISSA PRICE MP
MINISTER FOR THE ENVIRONMENT

MS19-000243

Senator the Hon Matt Canavan
Minister for Resources and Northern Australia
Parliament House
CANBERRA ACT 2600

Dear Minister ~~Canavan~~ *Matt,*

Decision on approval
Yeelirrie uranium mine, Shire of Wiluna, WA (EPBC 2009/4906)

I am writing to you in relation to the proposal by Cameco Australia to develop the Yeelirrie open cut uranium mine, ore processing plant and associated infrastructure in the Shire of Wiluna, WA.

I have considered the proposal in accordance with Part 9 of the *Environment Protection and Biodiversity Conservation Act 1999* (EPBC Act) and have decided to grant an approval to Cameco Australia. A notice of my decision is attached for your information.

If you have any questions about this decision, please contact the project manager, *s22*, by email to *s22* @environment.gov.au, or telephone *s22* and quote the EPBC reference number shown at the beginning of this letter.

Yours sincerely

The Hon Melissa Price MP
Minister for the Environment

10 April 2019



APPROVAL

Yeelirrie Uranium Mine, Shire of Wiluna, WA (EPBC 2009/4906)

This decision is made under sections 130(1) and 133(1) of the *Environment Protection and Biodiversity Conservation Act 1999 (Cth)*. Note that section 134(1A) of the **EPBC Act** applies to this approval, which provides in general terms that if the approval holder authorises another person to undertake any part of the action, the approval holder must take all reasonable steps to ensure that the other person is informed of any conditions attached to this approval, and that the other person complies with any such condition.

Details

Person to whom the approval is granted (approval holder)	Cameco Australia Pty Ltd
ABN of approval holder	65 001 513 088
Action	To develop Yeelirrie open cut uranium ore mine, ore processing plant and associated infrastructure in the Shire of Wiluna, 500 kilometres north of Kalgoorlie, Western Australia. This includes the mining and processing of uranium ore, sourcing and supply of water and electricity, upgrades to roads, accommodation of a workforce and transport of uranium oxide concentrate by road from the mine to Kalgoorlie, as described in the referral received by the department on 21 May 2009 [See EPBC Act referral 2009/4906].

Proposed Approval decision

My decisions on whether or not to approve the taking of the action for the purposes of each controlling provision for the action are as follows.

Controlling Provisions

Listed Threatened Species and Communities

Section 18	Approve
Section 18A	Approve

Listed migratory species

Section 20	Approve
Section 20A	Approve



Nuclear actions

Section 21	Approve
Section 22A	Approve

Period for which the approval has effect

This approval has effect until 31 December 2043

Decision-maker

Name and position

The Hon Melissa Price MP
Minister for the Environment

Signature

Date of decision

10 April 2019

Conditions of approval

This approval is subject to the conditions under the EPBC Act as set out in ANNEXURE A.



ANNEXURE A – CONDITIONS OF APPROVAL

Part A – Conditions specific to the action

1. To avoid and mitigate impacts on the environment, the approval holder must:
 - a. implement conditions 8 – 16 of the **WA approval**, and
 - b. not **clear** more than 2422 hectares within the 4875 hectare **development envelope**.
2. To avoid impacts on the stygofauna species *Atopobathynella* sp. 'line K', *Enchytraeidae* sp. Y4 and *Kinnecaris* 'lined' sp. n., the approval holder must ensure groundwater drawdown at the location of the *Atopobathynella* sp. 'line K', *Enchytraeidae* sp. Y4 and the *Kinnecaris* 'lined' sp. n. is limited to 0.5 metres for the life of the approval.
3. To manage impacts on **subterranean fauna species**, the approval holder must not exceed the 0.5 metre **groundwater drawdown contour**.
4. At least 12 months prior to the commencement of the action, the approval holder must develop a groundwater monitoring program to manage impacts on **subterranean fauna species** and **troglofauna species**. The groundwater monitoring program must be adequate to inform:
 - a. groundwater abstraction rates and groundwater levels to confirm predicted drawdown levels,
 - b. location of production bores to reduce impacts on **subterranean fauna species**,
 - c. trigger levels to reduce impacts on **subterranean fauna species** and avoid impacts on **troglofauna species** within Area 2 defined at Attachment D,
 - d. adaptive management of groundwater abstraction rates and ground water levels,
 - e. the outcomes of conditions 2 and 3 of this approval are being met, and
 - f. the extent of impact on **subterranean fauna species** and **troglofauna species**.
5. The groundwater monitoring program must be reviewed by a **suitably qualified** subterranean fauna ecologist and **suitably qualified** hydrogeologist. Following review of the groundwater monitoring program by a **suitably qualified** subterranean fauna ecologist and **suitably qualified** hydrogeologist, the approval holder must submit the groundwater monitoring program to the **Minister** for approval. If the **Minister** approves the groundwater monitoring program then the groundwater monitoring program must be implemented upon **commencement** of the action.
6. From commencement of the action, the groundwater monitoring program must be reviewed every three (3) years by a **suitably qualified** subterranean fauna ecologist and **suitably qualified** hydrogeologist to ensure it meets the requirements of the groundwater monitoring program set out in condition 4 of this approval. Within thirty (30) days of the



groundwater monitoring program being reviewed by a **suitably qualified** subterranean fauna ecologist and **suitably qualified** hydrogeologist, the approval holder must submit the groundwater monitoring program to the **Minister** for approval. If the **Minister** approves the groundwater monitoring program then the groundwater monitoring program must be implemented within 2-months of being approved in writing.

7. To avoid impacts on **troglofauna species**, the approval holder must submit for the **Minister's** approval, **evidence** from a **suitably qualified** subterranean fauna ecologist that any action taken within **Area 1** will not result in the extinction of **troglofauna species** located in **Area 1**. The approval holder must not commence clearing of **Area 1** until the **Minister** has approved the **evidence**.
8. To mitigate impacts on the **Western *Atriplex yeelirrie* population**, the approval holder must:
 - a. implement a detailed **micro-genetic study**, **translocation trials** and **minimum viable population analysis** to define the reproductive and ecological attributes of the **Western *Atriplex yeelirrie* population** to demonstrate the viability of establishing a self-sustaining population of mature individuals of the **Western *Atriplex yeelirrie* population** that are capable of surviving **long-term** outside the development envelope within the Eastern Murchison (MUR1) IBRA subregion.
 - b. submit for the **Minister's** approval, **evidence** from a **suitably qualified** flora ecologist who has been approved in writing by the **Department**, that a **micro-genetic study**, **translocation trials** and **minimum viable population analysis** has been undertaken; that reproductive and ecological attributes of the **Western *Atriplex yeelirrie* population** have been defined; and that a self-sustaining population of mature individuals of the **Western *Atriplex yeelirrie* population** can be established that is capable of undergoing natural population processes such as producing viable seed and recruitment of subsequent generations.
 - c. avoid any direct or indirect impacts on the **Western *Atriplex yeelirrie* population** within the **development envelope** until the **Minister** has approved the **evidence** referred to in condition 8(b) in writing.
9. Should the **Minister** approve the **evidence**, the approval holder must establish a self-sustaining population of mature individuals of the **Western *Atriplex yeelirrie* population** capable of surviving **long-term**, as defined by **evidence** provided at condition 8, outside the development envelope within the Eastern Murchison (MUR1) IBRA subregion.
10. Prior to the **commencement** of the action, the approval holder must engage a **suitably qualified** fauna ecologist to undertake a **Night Parrot** survey within the **development envelope**, in accordance with the **WA DBCA** recommended **Night Parrot** survey methods. Within three months of the **Night Parrot** survey being completed, the approval holder must provide the **Department** with the **Night Parrot** survey results.



11. Should the **Night Parrot** or evidence of the **Night Parrot** be recorded during the survey required under condition 9 of this approval, the approval holder must submit a **Night Parrot Management Plan** for the **Minister's** approval. If the **Minister** approves the **Night Parrot Management Plan** then the **Night Parrot Management Plan** must be implemented.
12. If a **Night Parrot Management Plan** is required under condition 10, the approval holder must not **commence the action** unless the **Minister** has approved the **Night Parrot Management Plan** in writing.
13. The **Night Parrot Management Plan** must be consistent with the **Department's Environmental Management Plan Guidelines**, and must include:
 - a. The **Night Parrot Management Plan** environmental objectives, relevant **protected matter** and a reference to **EPBC Act** approval conditions to which the **Night Parrot Management Plan** refers,
 - b. A table of commitments made in the **Night Parrot Management Plan** to achieve the objectives, and a reference to where the commitments are detailed in the **Night Parrot Management Plan**,
 - c. Reporting and review mechanisms, and documentation standards to demonstrate compliance with the **Night Parrot Management Plan**,
 - d. An assessment of risks to achieving **Night Parrot Management Plan** environmental objectives and risk management strategies that will be applied,
 - e. Impact avoidance, mitigation and/or repair measures, and their timing; and
 - f. A monitoring program, which must include:
 - i. measurable performance indicators,
 - ii. the timing and frequency of monitoring to detect changes in the performance indicators,
 - iii. trigger values for corrective actions, and
 - iv. proposed corrective actions, if trigger values are reached.
14. To compensate for the loss of **Malleefowl habitat** within the **development envelope**, the approval holder must:
 - a. **legally secure** for the **life of the approval** an offset area(s) containing **Malleefowl habitat** that is equal to or greater in size and quality to the **Malleefowl habitat** to be cleared within the **development envelope**; and
 - b. submit for the **Minister's** approval, a **Malleefowl Offset Strategy** detailing the environmental attributes of the offset area(s). The **Malleefowl Offset Strategy** must:
 - i. specify the proposed environmental offset area(s) including, but not limited to:
 - location,



- proximity to high-value ecological corridors,
 - tenure,
 - suitability to offset impacts to the **Malleefowl**, and
 - baseline condition quantified using quality score for area of habitat, and if applicable, the number of **Malleefowl** individuals present.
- ii. provide **evidence** of the capacity of the offset site(s) to meet the requirements and intent of this condition, and the principles of the *EPBC Act Environmental Offsets Policy (2012)*,
 - iii. detail when and how the offset area(s) will be protected in perpetuity under a conservation mechanism,
 - iv. demonstrate the adequacy of the proposed conservation mechanism proposed to **legally secure** the offset area(s), and describe any means by which a future site owner may seek to amend or remove the mechanism,
 - v. provide a completed *EPBC Act Offsets Assessment Guide* (offset calculator) for the **Malleefowl** offset area(s), and
 - vi. present **evidence** substantiating inputs to the offset calculator, including:
 - confidence in result, time until ecological benefit, start and future condition (scale of 1 - 10), and risk of loss,
 - the specific components used to derive start and future condition (i.e. stocking rate, site context and site condition) of the **Malleefowl** habitat at the offset site, and current condition of the **Malleefowl** habitat at the impact site, and
 - set-out in general terms potential offset management activities considered feasible to achieve future condition and time until ecological benefit.

If the **Minister** approves the **Malleefowl** Offset Strategy then the **Malleefowl** Offset Strategy must be implemented. The approval holder must not **commence the action** unless the **Minister** has approved the **Malleefowl** Offset Strategy in writing.

Part B – Standard administrative conditions

Notification of date of commencement of the action

15. The approval holder must notify the **Department** in writing of the date of **commencement of the action** within ten (10) **business days** after the date of **commencement of the action**.



Compliance records

16. The approval holder must maintain accurate and complete **compliance records**.
17. If the **Department** makes a request in writing, the approval holder must provide electronic **copies of compliance records to the Department within the timeframe specified in the request**.

Note: **Compliance records** may be subject to audit by the **Department** or an independent auditor in accordance with section 458 of the **EPBC Act**, and or used to verify compliance with the conditions. Summaries of the result of an audit may be published on the **Department's** website or through the general media.

Preparation and publication of plans

18. The approval holder must:
- a. submit **plans** electronically to the **Department** for approval by the **Minister**;
 - b. publish each **plan** on the **website** within 20 **business days** of the date the **plan** is approved by the **Minister** or of the date a revised action management plan is submitted to the **Minister**, unless otherwise agreed to in writing by the **Minister**;
 - c. exclude or redact **sensitive ecological data** from **plans** published on the **website** or provided to a member of the public; and
 - d. keep **plans** published on the **website** until the end date of this approval.
19. The approval holder must ensure that any **monitoring data** (including **sensitive ecological data**), surveys, maps, and other spatial and metadata required under conditions 4, 12 and 15 of this approval, are prepared in accordance with the **Department's Guidelines for biological survey and mapped data** (2018) and submitted electronically to the **Department** in accordance with the requirements of the **plans**.

Annual compliance reporting

20. The approval holder must prepare a **compliance report** for each 12 month period following the date of **commencement of the action**, or as otherwise agreed to in writing by the **Minister**. The approval holder must:
- a. publish each **compliance report** on the **website** within 60 **business days** following the relevant 12 month period;
 - b. notify the **Department** by email that a **compliance report** has been published on the **website** within five **business days** of the date of publication;
 - c. keep all **compliance reports** publicly available on the **website** until this approval expires;
 - d. exclude or redact **sensitive ecological data** from **compliance reports** published on the **website**; and



- e. where any **sensitive ecological data** has been excluded from the version published, submit the full **compliance report** to the **Department** within **5 business days** of publication.

Note: Compliance reports may be published on the **Department's website**.

Reporting non-compliance

21. The approval holder must notify the **Department** in writing of any: **incident**; non-compliance with the conditions; or non-compliance with the commitments made in **plans**. The notification must be given as soon as practicable, and no later than **two business days** after becoming aware of the **incident** or non-compliance. The notification must specify:
 - a. the condition which is or may be in breach; and
 - b. a short description of the **incident** and/or non-compliance.
22. The approval holder must provide to the **Department** the details of any **incident** or non-compliance with the conditions or commitments made in **plans** as soon as practicable and no later than **10 business days** after becoming aware of the **incident** or non-compliance, specifying:
 - a. any corrective action or investigation which the approval holder has already taken or intends to take in the immediate future;
 - b. the potential impacts of the **incident** or non-compliance; and
 - c. the method and timing of any remedial action that will be undertaken by the approval holder.

Independent audit

23. The approval holder must ensure that **independent audits** of compliance with the conditions are conducted for the 12 month period from the date of this approval and for every subsequent twelve (12) month period.
24. For each **independent audit**, the approval holder must:
 - a. provide the name and qualifications of the independent auditor and the draft audit criteria to the **Department**;
 - b. only commence the **independent audit** once the audit criteria have been approved in writing by the **Department**; and
 - c. submit an audit report to the **Department** within the timeframe specified in the approved audit criteria.
25. The approval holder must publish the audit report on the **website** within ten (10) **business days** of receiving the **Department's** approval of the audit report and keep the audit report published on the **website** until the end date of this approval.



Revision of action management plans

26. The approval holder may, at any time, apply to the **Minister** for a variation to an action management plan, program or offset strategy approved by the **Minister** under conditions 5, 11 and 13, or as subsequently revised in accordance with these conditions, by submitting an application in accordance with the requirements of section 143A of the **EPBC Act**. If the **Minister** approves a revised action management plan (RAMP) then, from the date specified, the approval holder must implement the RAMP in place of the previous action management plan.
27. The approval holder may choose to revise an action management plan, program or offset strategy approved by the **Minister** under condition 5, 11 and 13, or as subsequently revised in accordance with these conditions, without submitting it for approval under section 143A of the **EPBC Act**, if the taking of the action in accordance with the RAMP would not be likely to have a **new or increased impact**.
28. If the approval holder makes the choice under condition 27 to revise an action management plan without submitting it for approval, the approval holder must:
- a. notify the **Department** in writing that the approved action management plan has been revised and provide the **Department** with:
 - i. an electronic copy of the RAMP;
 - ii. an electronic copy of the RAMP marked up with track changes to show the differences between the approved action management plan and the RAMP;
 - iii. an explanation of the differences between the approved action management plan and the RAMP;
 - iv. the reasons the approval holder considers that taking the action in accordance with the RAMP would not be likely to have a **new or increased impact**; and
 - v. written notice of the date on which the approval holder will implement the RAMP (RAMP implementation date), being at least 20 **business days** after the date of providing notice of the revision of the action management plan, or a date agreed to in writing with the **Department**.
 - b. subject to condition 30, implement the RAMP from the RAMP implementation date.
29. The approval holder may revoke their choice to implement a RAMP under condition 27 at any time by giving written notice to the **Department**. If the approval holder revokes the choice under condition 27, the approval holder must implement the previous action management plan approved by the **Minister**.
30. If the **Minister** gives a notice to the approval holder that the **Minister** is satisfied that the taking of the action in accordance with the RAMP would be likely to have a **new or increased impact**, then:



- a. condition 27 does not apply, or ceases to apply, in relation to the RAMP; and
- b. the approval holder must implement the action management plan specified by the **Minister** in the notice.

31. At the time of giving the notice under condition 30, the **Minister** may also notify that for a specified period of time, condition 27 does not apply for one or more specified action management plans.

Note: conditions 27, 28, 29 and 30 are not intended to limit the operation of section 143A of the **EPBC Act** which allows the approval holder to submit a revised action management plan, at any time, to the **Minister** for approval.

Completion of the action

32. Within 30 days after the **completion of the action**, the approval holder must notify the **Department** in writing and provide **completion data**.

Part C - Definitions

33. In these conditions, except where contrary intention is expressed, the following definitions are used:

- a. **Area 1** is the area defined in Attachment D that covers the **troglofauna species** located through surveys within bores YYAC0018C, YYAC26, YYAC36 and YYD22.
- b. **Black-flanked rock-wallaby habitat** means habitat for the **EPBC Act** listed *Petrogale lateralis lateralis* comprising rocky outcrops that provide shelter such as caves, cliffs, scree and rockpiles that co-exists with foraging habitat such as grasses, forbs, shrubs and occasionally seeds and fruits.
- c. **Business days** means a day that is not a Saturday, a Sunday or a public holiday in the state or territory of the action.
- d. **Clear, clearing** means the cutting down, felling, thinning, logging, removing, killing, destroying, poisoning, and ringbarking, uprooting or burning of vegetation (but not including weeds – see the Australian weeds strategy 2017 to 2027 for further guidance).
- e. **Cleared area** means an area or areas (in hectares) within the **development envelope** where loss or long-term modification of habitat has occurred.
- f. **Commence the action or commencement of the action** means the first instance of any specified activity associated with the action including clearance of vegetation and **construction** of any infrastructure. Commencement does not include minor physical disturbance necessary to:
 - undertake pre-clearance surveys or monitoring programs;



- install signage and /or temporary fencing to prevent unapproved use of the project area;
 - protect environmental and property assets from fire, weeds and pests, including erection or **construction** of fencing and signage, and maintenance or use of existing surface access tracks, if agreed in writing by the **Department**.
- g. **Completion data** means an environmental report and spatial data information clearly detailing how the conditions of this approval have been met. The **Department's** preferred spatial data format is **shapefile**. The environmental report and spatial data information must include the date, location, approved **development envelope**, actual total cleared area, total area and type of **Night Parrot habitat, Malleefowl habitat, Greater bilby habitat, Princess parrot habitat, Great Desert skink habitat and Black-flanked rock-wallaby habitat** cleared, mine pit boundary and the **environmental condition** of the groundwater within the **development envelope**.
- h. **Completion of the action** means all specified activities associated with the action have permanently ceased.
- i. **Compliance records** means all documentation or other material in whatever form required to demonstrate compliance with the conditions of approval in the approval holder's possession or that are within the approval holder's power to obtain lawfully;
- j. **Compliance reports** means written reports:
- i. providing accurate and complete details of compliance, **incidents**, and non-compliance with the conditions and the **plans**;
 - ii. consistent with the **Department's Annual Compliance Report Guidelines (2014)**;
 - iii. include a **shapefile** of any **clearance** of any **protected matters**, or their habitat, undertaken within the relevant 12 month period; and
 - iv. annexing a schedule of all **plans** prepared and in existence in relation to the conditions during the relevant 12 month period.
- k. **Construction** means the erection of a building or structure that is or is to be fixed to the ground and wholly or partially fabricated on-site; the alteration, maintenance, repair or demolition of any building or structure; preliminary site preparation work which involves breaking of the ground (including pile driving); the laying of pipes and other prefabricated materials in the ground, and any associated excavation work; but excluding the installation of fences and signage.
- l. **Department** means the Australian Government agency responsible for administering the **EPBC Act**.
- m. **Development envelope** is the 4875 hectare area defined in Attachment A.



- n. **Environmental condition** is the state of the groundwater on **completion of the action**, relative to the baseline environmental data defined in the baseline surveys required under condition 11 of the **WA approval**.
- o. **EPBC Act** means the *Environment Protection and Biodiversity Conservation Act 1999* (Cth).
- p. **Evidence** means written report, including photographic material.
- q. **Great desert skink habitat** means habitat for the **EPBC Act** listed *Liopholis kintorei* comprising of spinifex (*Triodia* spp.) and scattered shrubs (*Acacia* spp., *Eucalyptus* spp., *Hakea* spp., *Grevillea* spp.) or mulga.
- r. **Greater bilby habitat** means habitat for the **EPBC Act** listed *Macrotis lagotis* comprising of open tussock grassland on uplands and hills, *Acacia aneura* (mulga) woodland/shrubland growing on ridges and rises, and hummock grassland in plains and alluvial areas.
- s. **Groundwater drawdown contour** means the 0.5 m drawdown level defined in Attachment B.
- t. **IBRA** means Interim Biogeographic Regionalisation for Australia, version 7.
- u. **Incident** means any event which has the potential to, or does, impact on **protected matter(s)**.
- v. **Independent audit**: means an audit conducted by an independent and **suitably qualified** person as detailed in the *Environment Protection and Biodiversity Conservation Act 1999 Independent Audit and Audit Report Guidelines* (2015) available from <http://www.environment.gov.au/epbc/publications/independent-audit-report-guidelines>.
- w. **Legally secured** means obtain a long-term protection under a voluntary agreement as provided for under the *Soil and Land Conservation Act 1945* (WA) or *Biodiversity Conservation Act 2016* (WA).
- x. **Life of the approval** means the period for which the approval has effect.
- y. **Long-term** means greater than 20 years.
- z. **Malleefowl** means the **EPBC Act** listed *Leipoa ocellata*.
- aa. **Malleefowl habitat** means habitat for the **EPBC Act** listed **Malleefowl** comprising of shrublands and low woodlands dominated by mallee or acacia and occasionally woodland dominated by eucalypts such as Wandoo *E. wandoo*, Marri *Corymbia calophylla* and Mallet *E. astringens*.
- bb. **Micro-genetic study** means a detailed genetic analysis that will determine the comprehensive micro-genetic diversity of the impacted **Western Atriplex yeelirrie**



population, including the population genetic structure spatially and through sampling of seed generated from the plants.

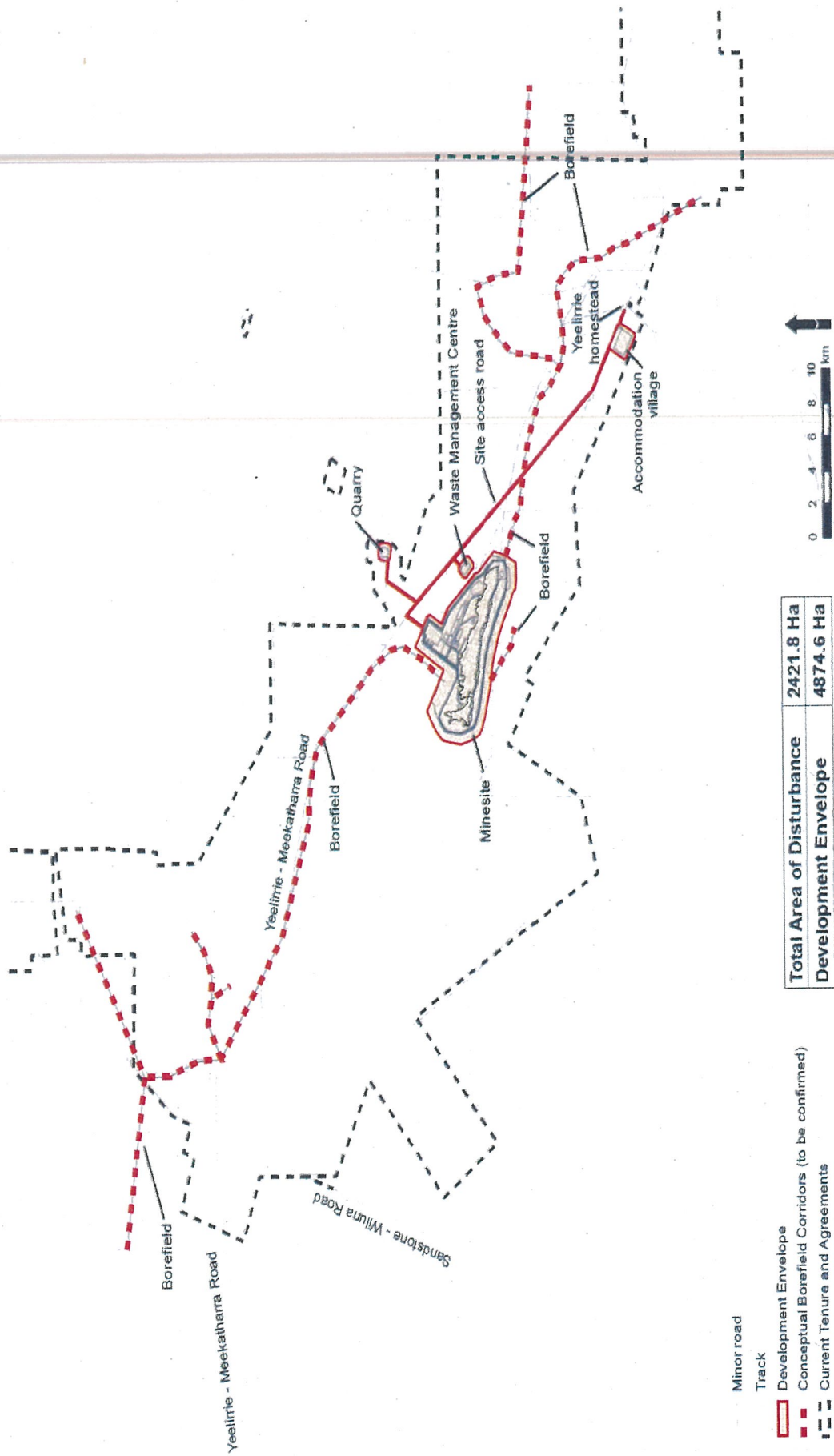
- cc. **Minimum viable population analysis** means a study to determine the ecological threshold that specifies the smallest number of individuals of **Western Atriplex yeelirrie** population capable of persisting long-term in the environment.
- dd. **Monitoring data** means the data required to be recorded under the conditions of this approval.
- ee. **Mine Pit** means the areas defined as Pit – East and Pit – West in Attachment C.
- ff. **Minister** means the Australian Government Minister administering the **EPBC Act** including any delegate thereof.
- gg. **New or increased impact** means a new or increased environmental impact or risk relating to any **protected matter**, when compared to the likely impact of implementing the action management plan that has been approved by the **Minister** under condition 12, including any subsequent revisions approved by the **Minister**, as outlined in the *Guidance on 'New or Increased Impact' relating to changes to approved management plans under EPBC Act environmental approvals (2017)* available from <http://www.environment.gov.au/epbc/publications/new-increased-impact-guidance>.
- hh. **Night parrot habitat** means the **EPBC Act** listed *Pezoporus occidentalis*.
- ii. **Night parrot habitat** means habitat for the **EPBC Act** listed **Night parrot** comprising of sandplains supporting a mosaic of long-unburnt spinifex hummocked grasslands with supporting vegetation dominated by chenopod and/or grass species.
- jj. **Plan(s)** means any of the documents required to be prepared, approved by the **Minister**, and/or implemented by the approval holder and published on the **website** in accordance with these conditions (includes action management plans and/or strategies);
- kk. **Princess parrot habitat** means habitat for the **EPBC Act** listed *Polytelis alexandrae* comprising of shrubland in swales between sand dunes, with a variety of shrubs (including *Grevillea*, *Hakea*, *Cassia* and *Eremophila* species) among scattered emergent trees and a ground-cover of spinifex *Triodia* species, and breeding habitat consisting of overstorey species with hollows including *Eucalyptus camaldulensis* (river red gum), *E. gongylocarpa* (marble gum) and *Allocasuarina decaisneana* (desert oak).
- ll. **Protected matter** means a matter protected under a controlling provision in Part 3 of the **EPBC Act** for which this approval has effect.



- mm. **Reference community** means the pre-disturbance **Western Atriplex yeelirrie** population.
- nn. **Sensitive ecological data** means data as defined in the Australian Government Department of the Environment (2016) *Sensitive Ecological Data – Access and Management Policy V1.0*.
- oo. **Shapefile** means an ESRI shapefile containing '.shp', '.shx' and '.dbf' files and other files capturing attributes defined in the conditions of approval.
- pp. **Subterranean fauna species** comprises the eight (8) stygofauna species – *Enchytraeidae* sp. Y5, *Enchytraeidae* sp. Y6, *Halicyclops* cf. *eberhardi* sp. B, *Novanitocrella 'araia'* sp. n., *Schizopera akolos*, *Schizopera emphysema*, *Schizopera* sp. 7439, *Philoscidae* sp. n. Y2 and one (1) troglofauna species - *Trichorhina* sp. n. F.
- qq. **Suitably qualified** means a person who has professional qualifications, training, skills and/or experience related to the nominated subject matter and can give authoritative independent assessment, advice and analysis on performance relative to the subject matter using the relevant protocols, standards, methods and/or literature.
- rr. **Translocation trials** means the transfer of genetic material generated from the **micro-genetic study** to a range of recipient sites to determine:
- The genetic representativeness of the translocated plants as assessed to the **reference community**,
 - The population growth, development and demographic diversity matching or exceeding the **reference community**, and
 - The factors influencing seedling recruitment, plant fecundity and seedling establishment as assessed to the **reference community**.
- ss. **Troglofauna species** means *Austrohorus* sp. n. Y1, *Pauropoda* sp. S6B, *Symphyla* sp. Y7 and *Tyrannochthonius* sp. n. Y1 that are only known to occur within the **mine pit**.
- tt. **WA approval** means Ministerial Statement 1053 signed 16 January 2017, which states that a proposal may be implemented under the *Environment Protection Act 1986* (WA).
- uu. **WA DBCA** means the Western Australian Department of Biodiversity, Conservation and Attractions or any other agency responsible for administering the *Conservation and Land Management Act 1984* (WA) from time to time.
- vv. **Website** means a set of related web pages located under a single domain name attributed to the approval holder and available to the public.

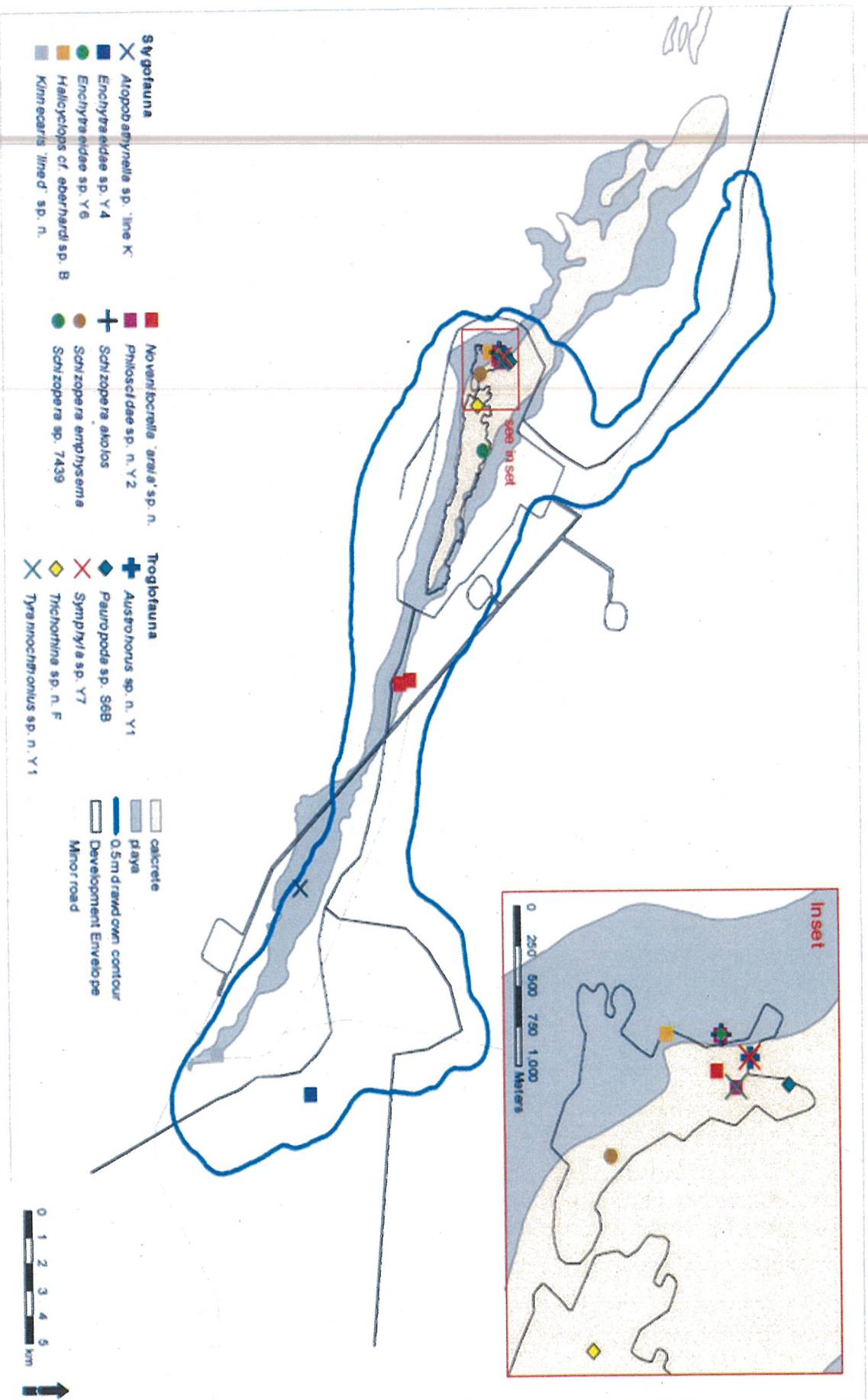


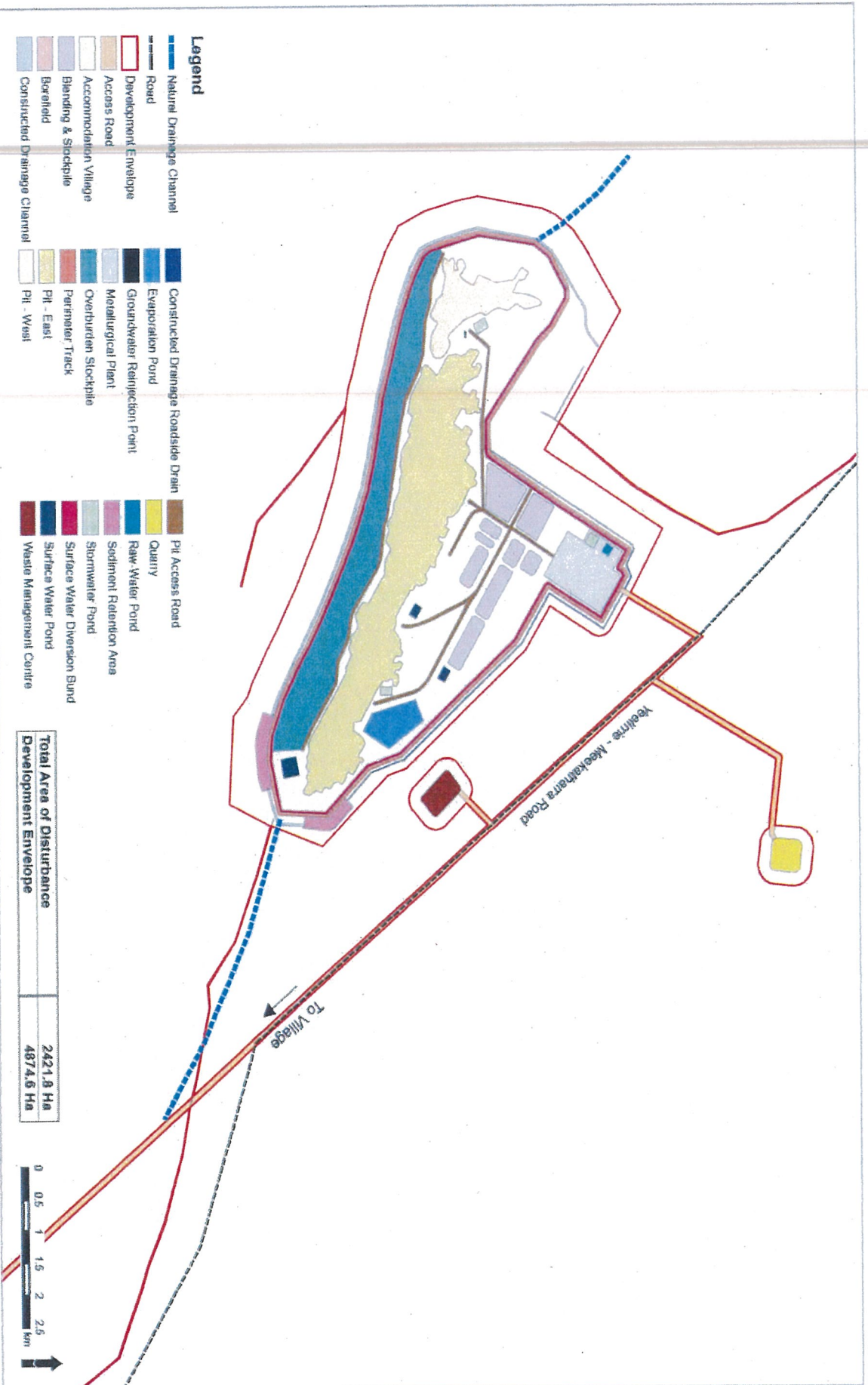
ww. Western *Atriplex yeelirrie* population is the western genotype of *Atriplex yeelirrie*.
Currently the only known population of this species is located within the
development envelope and defined in Attachment E as WP01 – WP06.





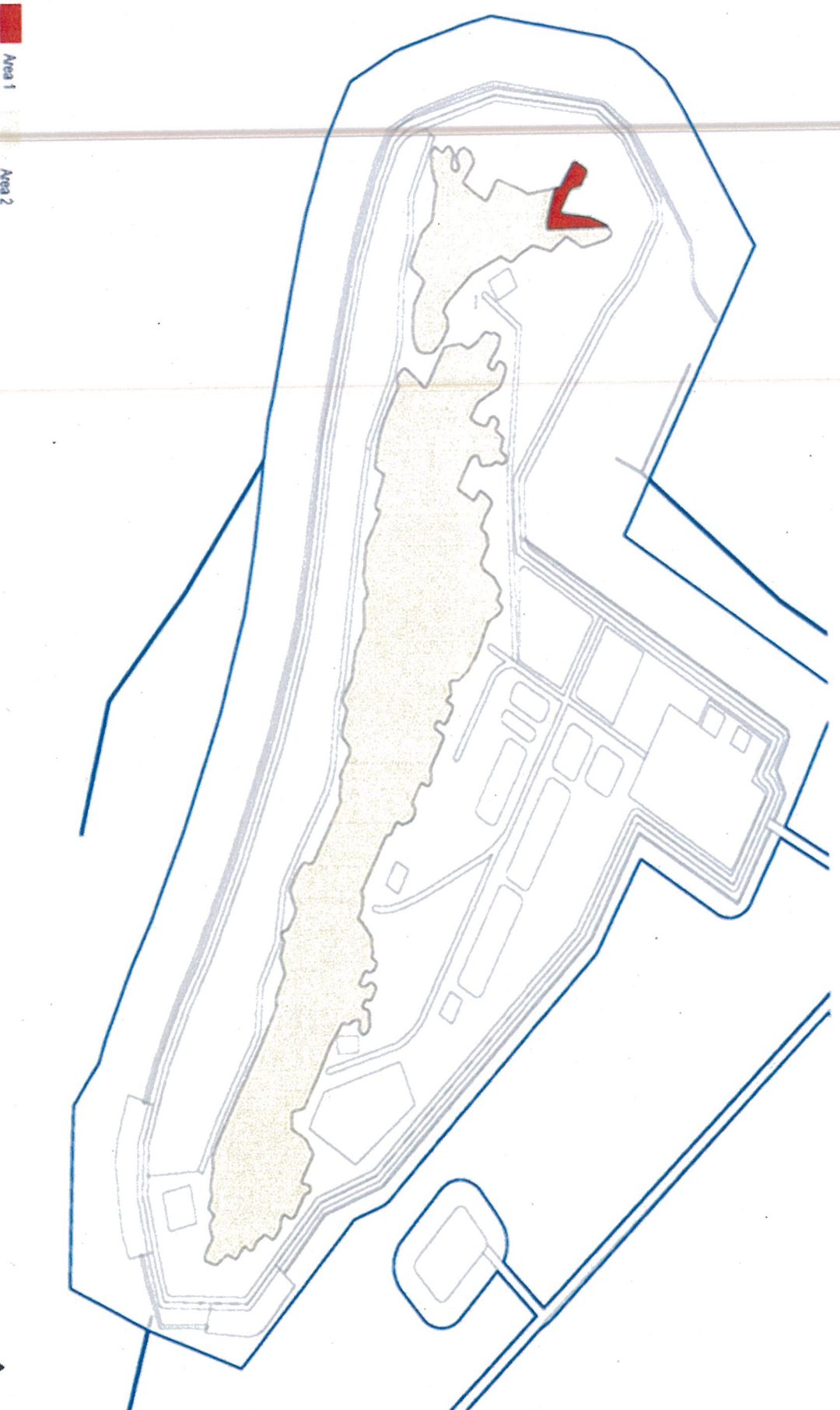
ATTACHMENT B







ATTACHMENT D





ATTACHMENT E

