Department of Agriculture and Fisheries

**Management plan template**

*Exhibited Animals Act 2015*

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| Applicant name: | Click here to enter text. |
| Applicant company: (if applicable) | Click here to enter text. |

Part A - Species detail

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| This application is for: ***(click box to select/deselect)*** |
| [ ]   | A particular animal |  |
| [ ]  | A single species |  |
| [x]  | Animals of a taxonomic grouping (e.g. more than one sub-species). |  |
|  | Please indicate which category. |  |
|  | [ ]  A [x]  B [ ]  C1 [ ]  C2  |  |
|  |  |  |
| In the table provided record the common name, scientific name, maximum number of animal’s proposed (male and female if relevant) and indicate the relevant box for breeding requirements. If there is not sufficient space provided you may attach a list of the information and submit it with this Management Plan application. |
| **Common name** | **Scientific name** | **Maximum number proposed** | **Breeding** | **Nonbreeding** |
| Red kangaroo | *Macropus rufus* | 1M:5F | [ ]  | [x]  |
| Eastern grey kangaroo | *Macropus giganteus* | 2M:8F | [ ]  | [x]  |
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**Part B - Relevant experience**

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| [ ]   | Relevant up-to-date experience for the proposed species held by the department |
| [x]  | Relevant up-to-date experience for the proposed species attached |
| [x]  | Relevant up-to-date experience for the proposed species detailed below: |
|  | **I have 10 years’ experience in the zoo industry working with macropods and a variety of other native and exotic animals. I have formal training and a qualification in Bachelor of Applied Science in Wildlife Biology, a Zoology degree and been the head macropod keeper at the Australian Macropod Institute. I have attached a reference from the Manager I worked for during my time at the Institute and the relevant university degree certificates. I have a current Blue Card and First Aid Certificate.****All staff that will interact with the macropods have completed a Certificate in captive animal management and have had at least one year fulltime hands on experience with a variety of native wildlife. Attached are their CV’s.** **Volunteers when working in the macropod enclosure must be accompanied by a permanent member of staff experienced with macropods. Volunteers will not be allowed to handle macropods unless supervised by a member of staff experienced with macropods.****All staff (including volunteers) must complete an induction course and have a current First Aid Certificate.**  |

Part C - Species Exhibition and dealings

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| How do you propose to keep the animal: ***(click one or more boxes to select/deselect)*** |
| [ ]  | In a travelling collection (i.e. no fixed location)? (e.g. not held at a regular enclosure site within Queensland) |
| [ ]  | In a regular enclosure at the regular enclosure site not available for viewing by the public? |
| [x]  | In a regular enclosure at the regular enclosure site that is open to the public most of the time? |

Part D - Exhibition & dealing activities proposed

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| How do you propose to exhibit the animal: ***(click one or more boxes to select/deselect)*** |
| [x]  | In its regular enclosure at the regular enclosure site? *(e.g. primary enclosure at the zoo)* |
| [ ]  | In a controlled area outside the regular enclosure at the regular enclosure site? *(e.g. in a stadium, stage area or other designated area within the zoo)* |
| [ ]  | In a regular enclosure, in a controlled area outside the regular enclosure site? *(e.g. in a fully enclosed enclosure displayed on tables under a marque enclosed with bollards or a 1.2m high removable barrier or in a fenced area surrounded by 6 foot removable cyclone mesh fence)* |
| [ ]  | In a controlled area outside the regular enclosure site? *(e.g. removable snake pit with 1.2m high walls with canvas floor sewn into the bottom of the walls or completely enclosed fenced off area with)* |
| [ ]  | Outside a regular enclosure and controlled area off the regular enclosure site? *(e.g. roaming with carpet python at a school fete or market place)* |
| [ ]  | Recording the animal’s image at the regular enclosure site for display to the public? *(e.g. posting images and recorded footage of authorised animals in social media networks)* |
| [ ]  | Recording the animal’s image for the purposes of film and television production? |

Part E - Significant relevant risks and relevant adverse effects

For ***each*** activity proposed in part C complete details below by identifying:

* any significant relevant risks or adverse effects; and
* how you propose to manage these risks associated with the exhibition and dealing of the animal(s) for each of the topics below:
1. Please record details or forward attachments of details for the regular enclosure at the regular enclosure site for the animal and identify the maximum number of each species that will be held within the proposed enclosure *(e.g. plans, photos, diagrams, enclosure specifications).*

**All macropods will be held in the regular walkthrough enclosure together. The enclosure size and enclosure fence is larger than the recommended (draft) Australian Animal Welfare Standards for Exhibited Animals – Macropods. All specifications and macropod requirements including those detailed in the guidelines will be followed. There is only one main on-exhibit enclosure with a large additional holding yard which is off- exhibit and may be separated into smaller yards. The main walkthrough enclosure measures 80m x 60m wide totalling 4800m2 with a 2m high cyclone fence. Specifications and a diagram of the enclosure including fixtures, trees, 1300 m2 non-public access area, feed stations, shade areas and all other aspects are recorded on the attached diagram with a photo of the proposed area attached. All pathways used for the public and other fixtures such as shade areas have been excluded from these calculations.**

**The large area allows for grassy areas to be sectioned off throughout the year so that the enclosure does not end up being denuded. Areas sectioned off will still permit enough area space within the enclosure to meet recommended standards.**

1. Please record details or forward attachments for all other regular enclosures, other proposed authorised enclosures or controlled areas you will use for the animal and record the maximum number of each species that will be held within the proposed enclosures where relevant *(e.g. travelling enclosures, holding enclosures, controlled areas).*

**Transport- It is not intended that macropods will be travelled/moved from the enclosure. However if required macropods will be bagged or travelled using a solid wooden crate with padded sides and roof. Advice will be sought from a veterinary surgeon regarding sedation requirements for the intended journey.**

**Off exhibit holding yards can be separated into 2 x 40m2 made of the same fence material as the main regular enclosure with double door entry access to either side as per diagram attached.**

1. Identify animal welfare risks and how they will be managed relevant to the exhibition and dealing activities proposed *(e.g. enclosure fixtures, heating, water, diet, enrichment, training and conditioning).*

**Shade - Macropods require access to shade. There are large established trees throughout the enclosure which provide areas of natural shade during all periods of the day. As per the attached plan a large triangular shaped shade cloth will also be erected.**

**Water - Macropods require access to good quality water. Automatic water feeders are large enough so that macropods may submerse their forelimbs and there is a water feeder located within every 20m2 area throughout the enclosure. Water feeders are emptied, scrubbed and filled daily and floats regularly checked to ensure they are working adequately. All water feeders are in shaded areas.**

**Feed – Macropods require access to good quality feed. There are sufficient covered feed stations for the numbers of macropods held and these are cleaned daily. Macropods are given Lucerne and macropod pellets every morning. As part of the enrichment and animal conditioning program we feed out species appropriate browse cut onsite and also hand feed items of fruits and vegetables whilst the macropods are being patted as part of conditioning. Vitamin and mineral supplements will be provided if appropriate (on veterinary advice).**

**Capture myopathy is a risk when handling macropods and written procedures for capture and restraintof macropods to minimise the risks are documented in the “Hay run procedures and guideline policy”. Worming and other required treatments are also listed within this policy.**

**Staff that have contact with pets and domestic/livestock animals outside of the zoo could expose macropods to disease. Suitable biosecurity risk mitigation measures will be used to mitigate disease spread between enclosures. See the “Hay run procedures and guidelines policy” attached. Staff known to be exposed to environments which may potentially carry disease causing agents will clean and disinfect footwear on leaving higher risk areas and prior to entering the enclosure.**

1. Identify the relevant human safety risks associated with the exhibition and dealing of the animal relevant to the proposed activities (excluding public interaction activities).

**Staff attending to the macropod enclosure will be trained in safe handling and restraint of macropods. Records of training and qualifications will be held on site. Capture bags are available or if necessary a veterinary surgeon will be called to sedate larger animals.**

1. If any of the activities proposed with species involve public interaction, provide detail including any significant relevant risks and how they will be managed.

**Aggression- macropods, particularly male and hand reared macropods may become aggressive towards humans and inflict serious injury. To minimise the likelihood of this occurring no hand feeding of kangaroo pellets by the public will be allowed. This lessens the response for macropods to seek out humans for food and ensures the food association remains with keepers and volunteers. The proposed male Red kangaroo we are looking at obtaining has no history of aggressive behaviour towards humans. Diagrams/pictures of how to interact with the macropods are positioned in strategic areas of the enclosure.**

**Disease – Zoonosis can be a risk. Hand sanitisers are available for public use. Large laminated signs will be placed at each double door entry/exit gate internally and externally to advise people that they must wash their hands with the hand sanitiser provided prior to leaving the area.**

**Injuries – Staff and the public could be at risk of injury from macropods due to the walkthrough nature of the exhibit. Procedures in the event of an injury to either a member of the public or staff are documented. A copy of these procedures is attached.**

**Signs with big writing stating “Macropods at Rest” will be placed along the roped off area and written advice stating the public cannot enter will be recorded on the signs. The macropod rest area will be roped off and have entry/exit points for macropods but also high enough to ensure that the all species including large Red kangaroos have a section that they can fit under.**

1. Identify any other significant animal welfare, biosecurity or safety risks that could be associated with the proposed exhibition and dealings of the animal.

**The enclosure is large enough to ensure that grassy areas can be sectioned off throughout the year without impacting on the enclosure size requirements for the number of animals proposed. Volunteers assist staff to rake pathways and the main area as required daily.**

**Disease – Disease spread can be a risk ( eg. gastrointestinal, lumpy jaw). By cleaning the enclosure daily and including steps such as taking away all faecal matter, old food/browse, exposing areas of soil to sun on a regular basis and not feeding low grade Lucerne with a high percentage of hard dried stalk we are ensuring that we do everything to increase animal welfare and decrease the possibility of infection and disease such as lumpy jaw. Any newly acquired macropods will undergo a minimum 30 day period of quarantine, unless advised by a veterinarian. All macropods will be wormed in accordance with the “Hay run procedures and guidelines policy”.**

1. How you will manage reproduction of the animal, including for example arrangements for progeny of the animal if breeding permissions are requested?

**Males being acquired have been surgically sterilised. Future male acquisitions will be sterilised or the most appropriate method of contraception used as advised by a veterinary surgeon.**

1. What are the relevant adverse effects associated with exhibition and dealing of the animal related to the proposed activity(s) and how will they be prevented or minimised? *(e.g. How will the applicant prevent or minimise an event such as escape, theft, animal attack or other for each activity proposed. If an event were to occur how the applicant proposes to prevent or minimise the effects on animal welfare, health, safety or wellbeing of a person or social amenity, the economy and environment.)*

**Escape – Keepers and volunteers will be within the enclosure at peak times to ensure the chance of escape is minimised. Escape is possible if a member of the public leaves the entry/exit door open during times when keepers/volunteers are not present. This risk is mitigated by including a 2m high by 1.5m wide double door self-closing entry and exit points. Additionally the zoos 2m perimeter fence provides a further barrier to escape if it were to escape the regular enclosure.**

**Theft – Theft is unlikely as all macropods are adults. However cameras are installed as a safeguard and a security guard stationed at the front entrance employed to watch the various live camera feeds. In the event of theft the police will be contacted and Biosecurity Queensland notified.**

**Part F - Supporting information checklist**

Please indicate in the boxes provided how, if any, the relevant documents have been submitted:

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| **Document** | **Up-to-date documents held by the department**  | **Document attached** | **Information detailed****this management plan** | **Not Applicable** |
| Policies including procedures and guidelines.  | [ ]  | [x]  | [ ]  | [ ]  |
| Pictures, diagrams and plans of proposed regular enclosure. | [ ]  | [x]  | [ ]  | [ ]  |
| Pictures, diagrams and plans of other proposed enclosures and controlled areas.  | [ ]  | [x]  | [ ]  | [ ]  |