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 [ ]  B [ ]  C1 [x]  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** |
| Pygmy marmoset  | Callithrix pygmaea | 3 | [ ]  | [x]  |
| Common marmoset | Callithrix jacchus | 3 | [ ]  | [x]  |
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**Part B - Relevant experience**

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| [x]   | Relevant up-to-date experience for the proposed species held by the department |
| [ ]  | Relevant up-to-date experience for the proposed species attached |
| [ ]  | Relevant up-to-date experience for the proposed species detailed below: |
|  | Click here to enter text. |

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).*

**There are two enclosures proposed to hold a total of three individuals of each species separately. Please refer to the attached enclosure plan which provides specifications and a detailed concept diagram for both of the proposed enclosures which will be exactly the same except for the placement of internal removable aerial pathways and browse and other enrichment. The Policy on Exhibiting Primates in New South Wales has been used to create dimensions for the enclosure and all recommendations within the document will be followed. A stand-off barrier on the public side will be 2m from the enclosure wall and is constructed of 1.2 m high Perspex.**

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).*

**Primates will not be removed from their enclosure unless it is necessary due an emergency such as veterinary treatment. Please refer to the enclosure plan for dimensions and other details regarding travel enclosures.**

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).*

**Marmosets have intricate social structures and are active species that need food delivered in a way that encourages foraging, gnawing, jumping and general movement. Please refer to the Pygmy and Common marmoset section in the attached “Primate Diets and Enrichment Guide” for further information. Generally the Guide details information about the daily diets and supplementation such as vitamin D3 for these species. The species are fed on a rotational system and includes how to make each meal and distribute food and plant exudates which contain high levels of calcium and crude protein in an enriching way and encourages use of their teeth by gnawing to obtain exudates. Part of the zoo is made up of rainforest plants. As part of the leaf run, branches and other foliage will be cut every second day washed down and placed in each enclosure in a way that encourages primates to climb, jump and generally move around to explore newly placed branches and maximise use of the aerial space.**

**All removable feed plates are taken for cleaning each day and replaced with the morning daily feed. These feed plates are suspended by ropes and have an outer wooden flat ring that the primates sit on whilst feeding. Intricate aerial pathways for primate movement are made of ropes, wood vines and branches are fitted throughout the enclosure. Three water bottle feeders are placed at least 1.4m from the ground and attached to the outside of the wire mesh enclosure walls with the spout facing inwards. All bottles are washed out and cleaned daily and the ball at the end of the feeder checked to ensure it is working properly.**

**As per attached enclosure plan, night boxes are fitted with a sliding tray base which is easily removed for cleaning and filled with sawdust. Trays will be spot cleaned every day and substrate changed weekly. Night boxes also have ceramic heat lamps encased above a wire false roof that primates cannot reach to stop the risk of burns if they came into contact (refer to enclosure plan for night box specifications and distance from ground level). Surrounding enclosures are on a separate electrical circuit and thermostats will be fitted to each night box to ensure the temperature is regulated. The property is currently on three phase and has adequate safety switches.**

**As per the attached enclosure plan all primate pathways within the enclosure will be aerial and night boxes will be fitted high in the enclosures to ensure the primates feel secure. Sand will be used as the substrate for each enclosure and raked daily with the build-up removed. For procedures on how the zoo deals with matter extracted from enclosures please refer to the “Zoo Disposal Procedures” attachment. Enclosures are partly shaded by trees however some of the trees will be felled to allow sun to stream onto the enclosure. It is expected that both species of marmosets will sit on aerial platforms, pathways or hang onto the wire mesh enclosure wall to seek out the sun’s rays. For all other details regarding the daily care of these primates including fixture changes and rope cleaning procedures please refer to the “Primate Procedures” document attached.**

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

 **Primates have the potential to carry numerous diseases and can also inflict painful bites and scratches which could result in infection or illness. Foot baths are provided for keepers exiting the enclosure and gloves must be worn at all times. Risks associated with these two specific species and how to manage these risks is set out in the “Primate Procedures” document attached.**

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.

**No public interaction for the species is proposed.**

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

**Primates to be obtained have lived together in their previous placement with no additional numbers so hierarchy has already been established. We have a worming schedule for species within the zoo however we do also have scheduled faecal sampling whereby faecal floatation testing is used to ensure worming is effective.**

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

**Nonbreeding**

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.)*

**All keepers must be familiar with the “Escape/Recapture Plan & Emergency Procedures” attached which details all steps a staff member must do in the event of an escape. The plan and steps to take is tailored depending on which primate species has escaped. The integrity of all enclosures is sound and if a marmoset were to escape it would probably be due to human error. Double door entry ensures that these risks are minimised. The first entry door into the enclosure has a key entry lock as per all of our enclosures but it has a slip lock on the inside of the door as well. As a standard practice staff members must enter the first door and then use the internal slip lock to lock themselves in the fully enclosed area before opening the second door into the enclosure. Once in the enclosure the inner most door also has a slip lock on the internal side which must also be locked. When doing browse fit outs within the enclosure there must be two or more staff members or two staff members assisting so that one can operate the doors whilst the two other members of staff carry long or heavy objects out of the enclosure. Each staff member and all volunteers are fitted with radios to ensure they can contact anyone in the park if needed.**

**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]  | [ ]  | [ ]  |