



# Fauna Management Procedure

## Environment

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### 1 Purpose and Scope

This procedure specifies the operational environmental requirements relating to fauna management at the Roy Hill Project. This procedure applies to all personnel involved in activities at the Mine, Rail and Port operations that affect fauna management.

Refer to the 'OEMP - Fauna Management Plan' (OP-PLN-00036) for more information on management measures, strategies, standards, legislation and guidelines to be implemented to minimise impact to native fauna on the Roy Hill Project.

### 2 Procedure


#### 2.1 Management Actions

The broad fauna management objective is to ensure that native fauna (animals), and stock are not harmed during the operation of the Roy Hill Mine, Port and Rail projects, and that all risks to fauna and fauna observations are recorded.

##### 2.1.1 General Requirements

1. Carry out work in accordance with fauna management conditions on Ground Disturbance Permits (GDPs).
2. Obtain and update relevant Fauna Licences for Roy Hill to relocate trapped or injured fauna – this is the responsibility of the Superintendent Compliance and Approvals (or delegate). Ensure that Roy Hill personnel and approved Feral Animal Pest Contractor hold appropriate licences prior to undertaking euthanasia of any fauna. Ensure that fauna are not captured or taken unless specifically authorised in the conditions of an applicable licence, GDP or as approved by the Superintendent Environment Mine or Port.
3. Ensure that pets are not bought to or kept on site.
4. Ensure that there are no firearms kept on site that are not on the Corporate Firearm Licence or brought to site by a Licenced Feral Pest Contractor. Any firearms that are brought to site by a Licenced Feral Pest Contractor must be approved by the Superintendent Environment Mine or Port and either the Registered Mine Manager or Head of Port or Rail (whichever is applicable to the site). Ensure that the use of a firearm by Roy Hill personnel is undertaken by trained and qualified persons in accordance with 'Using a Firearm Procedure' (OP-PRO-00062).

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5. Ensure that euthanasia of fauna (including native wildlife, stock and feral animals) by firearm, is only undertaken by:
  - Roy Hill personnel who are listed on the corporate firearms licence (see OP-PRO-00062); or
  - An approved Feral Animal Pest Contractor with approval at the mine from the Registered Manager, the Head of Port or Head of Rail depending on the applicable area.
6. Ensure that the use of a firearm by a qualified and approved Feral Animal Pest Contractor is undertaken in accordance with the 'Euthanasia of Feral Animals Work Instruction' (OP-WIN-00019).
7. Adhere to track and roadside signage noting speed limits and reduce speed in northern quoll or bilby signposted areas where possible.
8. Report locations of large nests within the Roy Hill Project boundaries, such as those produced by birds of prey, to the Roy Hill Environment Team.
9. Fit lids or fixed covers to containers, bins, tanks and receptacles (including rubbish bins), and up end or store empty containers in an appropriate storage area at the end of shift.
10. Place all rubbish and waste into appropriate bins to avoid attracting fauna into work areas.
11. Empty water and liquids (appropriately) from containers at the end of shift.
12. Place fauna egress devices within large receptacles that cannot be covered, to enable fauna to climb out if trapped.
13. Close sea container doors at the end of shift.

### 2.1.2 Fauna Interaction

1. Ensure that feeding of native fauna does not occur.
2. Ensure that all fauna handling is undertaken by personnel licensed under Regulation 15 and or Regulation 17 of the *Wildlife Conservation Act 1950* (WC Act) and in accordance with the 'Fauna Handling and Translocation Work Instruction' (OP-WIN-02915).
3. Ensure that all snake handling is undertaken by personnel licensed under the WC Act in accordance with the 'Snake Handling Work Instruction' (OP-WIN-03417).
4. Ensure that no direct interaction (e.g. patting, holding, vehicle/vessel strike) with animals including marine fauna occurs, except in the case of assisting an injured animal, or if approved by the Superintendent Environment Port and or Mine or their approved delegate.
5. All suspected sick or injured animals, or animals that may be at risk or cause an interference with work activities, should be reported to the ESOs at the Mine or Port and Rail.
6. Contact the Stakeholder Engagement Team if dead cattle are found. **Do not call the Pastoral Stations directly to report death to stock.**
7. Contact the Roy Hill Environment Team for assistance if an injured or dead kangaroo is found with pouch young or a joey is present.
8. Move dead animals off roads within Project boundaries and away from work areas (i.e. up to 15-30 m off the road) if safe to do so. Gloves must be worn when contact is made with the animal. If it is not safe to move the animal, please contact the Roy Hill Environment Team.

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9. Reduce speed when approaching a scavenging animal feeding on road kill to allow time for the animal to fly or move away, to avoid collision with the animal.
10. Ensure that euthanasia of fauna (including native wildlife and feral animals) by other means (e.g. not by firearms) is undertaken by personnel who have undertaken fauna first response training by the Environment Team and are competent and comfortable to do so.

### 2.1.3 Marine Fauna Interaction

1. Ensure that no fishing from Roy Hill Port infrastructure occurs, including the overland conveyor and wharf.
2. Contact the Roy Hill Port Environment Team if sick or injured marine fauna is observed. The Roy Hill Port Environment Team may contact the Pilbara Ports Authority (PPA) Control Tower and/or Department of Biodiversity Conservation and Attractions (DBCA) Wildcare Helpline to report the sighting and coordinate response, if required (refer to Section 2.6).

### 2.1.4 Trenches, Excavations, Pipes and Open Water Storage

1. Manage open water storage areas in accordance with the 'Groundwater and Storage Facility Management Procedure' (OP-PRO-00002).
2. Check open trenches for the presence of trapped fauna at least twice a day; no later than 3.5 hours after sunrise, between the hours of 3:00 pm and 6:00 pm and no more than one hour prior to backfilling trenches. Report any trapped fauna to licenced fauna-rescue personnel as soon as the fauna are found to enable prompt rescue and relocation.
3. Ensure that only licenced fauna-rescue personnel clear trenches of trapped fauna.
4. Ensure that the licenced fauna-rescue personnel release entrapped fauna at a suitable location nearby to where they were trapped but far enough away to prevent re-entrapment.
5. Ensure that open trenches (e.g. for mine bore field water supply pipeline) do not exceed a length of 2.5 km at any one time.
6. Construct open excavations / trenches with a permanent means of fauna egress (e.g. ramps) and refuges (e.g. shade cloth shelter covers) at intervals not exceeding 50 m.
7. Cap pipe ends prior to and during pipe-laying works to prevent fauna entrapment.
8. Cover, fence or bund open excavations, wherever practicable, to prevent injury to fauna.
9. Pump out pooled water in open trenches and discharge to adjacent vegetated areas via mesh (or similar) that dissipates flow energy which could cause erosion.
10. Ensure that barbed wire is not used without specific written authorisation from the Manager Environment & Approvals (or delegate).
11. Undertake the capping of drill and bore holes immediately after their completion.

### 2.1.5 Clearing

1. Where practical undertake clearing in a manner that allows fauna to move to areas of adjacent uncleared vegetation where present (i.e. clearing in strips adjacent to completed clearing rather than in decreasing circles that would end up leaving fauna in the centre with nowhere to escape to).

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2. Undertake fauna survey, where required, as outlined by the Ground Disturbance Permit conditions for clearing activities to be undertaken along the Rail. Fauna survey requirements are to be undertaken in accordance with the 'GDP Fauna Survey Work Instruction' (OP-WIN-06784), 'Fauna Survey (FS) Completion Form' (OP-FRM-01315), and the 'Fauna Trapping and Translocation (FTT) Completion Form' (OP-FRM-01390).
3. Avoid any obvious large bird's nests during clearing activities until the Roy Hill Environment Team has inspected them and authorised clearing to occur.

### 2.1.6 Feral Animals

1. Ensure that no interference or tampering with traps or caged/trapped animals occurs.
2. Monitor feral animal numbers and arrange feral animal control, as required – this is the responsibility of the Superintendent Environment Mine or Port (or delegate).
3. Ensure that feral cat trapping is undertaken by a qualified and approved Feral Animal Pest Contractor or Roy Hill Environment Team personnel in accordance with the 'Feral Cat Trapping Work Instruction' (OP-WIN-00017).
4. Ensure that feral dog baiting is undertaken by a qualified and approved Feral Animal Pest Contractor or Roy Hill Environment Team personnel in accordance with the 'Feral Dog Baiting Work Instruction' (OP-WIN-00013).
5. Ensure that the euthanasia of feral animals is undertaken by a qualified and approved Feral Animal Pest Contractor or personnel who are on the Roy Hill Corporate Firearm Licence in accordance with the 'Euthanasia of Feral Animals Work Instruction' (OP-WIN-00019) and/or 'Using a Firearm Procedure' (OP-PRO-00062).

## 2.2 Training and Awareness

1. Familiarise all personnel associated with fauna management activities with the requirements of this procedure.
2. Include information on fauna management requirements (e.g. conservation significant fauna likely to be present, sighting and reporting requirements and fauna interaction procedures) in site inductions or site communications where relevant.
3. Conduct toolbox talks and develop environmental site notices and environmental awareness posters periodically highlighting fauna management requirements (e.g. conservation significant fauna, snake sightings, interaction with fauna, feral animal sightings etc.) – this is the responsibility of the Superintendent Environment Mine or Port and Rail (or delegate where required).
4. Display relevant environmental site notices and environmental awareness posters at prominent workplace locations.
5. Update the training records of personnel in the Learning Management System once registered training has been completed (with the exception of toolbox talks).
6. Maintain records of toolbox training attendance onsite for audit and inspection purposes.
7. Promote the 'Significant Flora, Fauna and Weed Species Identification Manual' (OP-MAN-00089) to all personnel.

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8. Provide training to allow for the appointment of fauna handling staff prior to the individual(s) being listed on the Roy Hill Regulation 15 and Regulation 17 fauna licences.

### 2.3 Monitoring Actions

1. Undertake monitoring in accordance with approval conditions and commitments, and ensure that all data required for regulatory reporting is captured.
1. Store all monitoring records within the Roy Hill Document Management System.
2. Monitor feral animal numbers – this is the responsibility of the Roy Hill Environment Team.
3. Monitor and ensure installation and maintenance of fauna egress devices on turkey's nests – this is the responsibility of the Roy Hill Water Operations Team.
4. Monitor the maintenance and effectiveness of covers, fencing and bunding around trenches and excavations at the Mine – this is the responsibility of the Roy Hill the applicable team undertaking the scope of work.

### 2.4 Incidents, Audits and Inspections

1. Undertake regular inspections of the active work areas against the requirements of this procedure.
2. Undertake regular compliance audits against the requirements of this procedure in accordance with the 'Environmental Audit Procedure' (OP-PRO-00018).
3. Schedule inspections and audits against the requirements of this procedure in accordance with the approved HSE Integrated Inspection and Audit Schedule.
4. Store copies of all audits and inspections within the Roy Hill Document Management System.
5. Undertake an investigation into the cause(s) of incidents reportable to regulators in accordance with the 'Incident Investigation Specification' (OP-SPC-00156) and develop actions to prevent recurrence of the incident.
6. Enter corrective and preventative actions from incidents, audits and inspections into the Roy Hill Incident Management System.
7. Undertake regular inspections of water storage areas (e.g. turkey's nests, evaporation ponds and sumps) for trapped fauna and presence of egress devices are to be completed by the Roy Hill Team who are responsible as the owner of the facility.
8. Undertake daily inspections of open trenches and excavations for trapped fauna and egress devices – this is the responsibility of the owner of the work/facility.
9. Undertake weekly inspections of fences (including rail facility boundary fences) for holes, sagging, trapped animals and fence collapses – this is the responsibility of the facility owner.

### 2.5 Contingency Actions

1. Implement contingency actions in accordance with this procedure where deficiencies are identified during inspections, audits and incident reporting.

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2. Conduct a risk assessment to determine the most effective mitigation measures should additional contingency actions be required, and follow the change management process.
3. Evaluate, modify, repair or replace fauna egress devices as required.
4. Ensure vehicles are made aware of a dead animal located on a road which cannot be easily moved (i.e. livestock) through appropriate signage and/or radio communication in accordance with site procedures, and advise the Environment Superintendent (or delegate).
5. Make efforts to find dependent young, if lactating feral animals are caught in a trap, and euthanise the young quickly and humanely – this is the responsibility of a qualified and approved Feral Animal Pest Contractor or Roy Hill Environment Team personnel. Litters may be found near to the trap site in the base of hollow tree trunks and among boulders.

### 2.6 Reporting Requirements

1. Report all non-compliances with this procedure (including fauna deaths), all regulatory exceedances and all community complaints as an incident in the Roy Hill Incident Management System.
2. Close out all incidents and corrective actions in accordance with the 'Incident, Non-Conformance and Action Management Procedure' (OP-PRO-00702).
3. Report any trapped fauna to licenced fauna-rescue personnel as soon as the fauna are found, to enable prompt rescue and relocation.
4. Record all fauna translocations on the 'Fauna Translocation Register' (OP-REG-00023).
5. Record all potential wildlife hazards identified at the Ginbata Aerodrome in accordance with the 'Ginbata Wildlife Hazard Management Plan' (OP-PLN-00014).
6. Report all sightings (live and dead) of conservation significant fauna (e.g. Pilbara Olive Python, Northern Quoll, Bilby, Mulgara etc.) and feral animals (e.g. cats, foxes, dogs, donkeys, camels, horses etc.) to the Roy Hill Environment Team for addition into the 'Fauna Sightings Form' (OP-FRM-00257).
7. Report stranded, sick or injured marine fauna (e.g. dolphins, turtles, whales or seabirds) to the Roy Hill Port Environment Team. The Roy Hill Port Environment Team will coordinate reporting to the PPA Control Tower (9173 0030, VHF Channel 12 or 16) and/or DBCA Wildcare Helpline (9474 9055).
8. Report all native wildlife death excluding stock (cattle) and injury to marine fauna to the Roy Hill Environment Team immediately either via phone or email. All native fauna deaths are required to be entered as an environment incident in the Roy Hill's Incident Management System.
9. Report all stock (cattle) death and to the Roy Hill Advisor Stakeholder Engagement immediately either via phone or email. All stock deaths are required to be entered as a community incident in Roy Hill's Incident Management System.

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### 3 Accountabilities

Unless otherwise specified, the following roles are accountable or responsible for the activities outlined in this procedure.

Role	Responsibility
Environment Team	Responsible for review and update of this procedure
General Managers	Accountable for ensuring that resources are available to support the implementation of this procedure where it is relevant to their area of responsibility
Managers	Accountable for the implementation of this procedure where it is relevant to their area of responsibility
Superintendents	Responsible for the implementation of this procedure where it is relevant to their area of responsibility

Table 1: Accountabilities

### 4 Abbreviations

Abbreviation	Definition
DBCA	Department of Biodiversity Conservation and Attractions (formerly Department of Parks and Wildlife)
GDP	Ground Disturbance Permit
km	Kilometre
m	Metre
NPI	Non-process Infrastructure
PPA	Pilbara Ports Authority

Table 2: Abbreviations

### 5 Definitions

Term	Definition
Conservation Significant Fauna	Fauna listed as species of national environmental significance, Scheduled Fauna or DEC Priority species.
Fauna	All animals; including native, non-native and feral animals
Fauna egress device	Ramp, webbing or other such structures that allow animals to escape from excavations or bodies of water
Fauna friendly culvert	Culvert designed to minimise impact on significant fauna (minimum diameter of 600 mm)
Fauna rescue personnel	Personnel who are trained and licenced under the <i>Wildlife Conservation Act 1950</i> , in the capture and handling of animals.
Ground disturbance	Work that will in any way cause any change or disturbance to the ground surface including (but not limited to): clearing of vegetation, placement of survey pegs, placement of water bore lines, excavations, geotechnical investigations, water bore drilling and release of water, bulk earthworks installation of buildings and infrastructure, construction of roads, access

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Term	Definition
	tracks, laydown areas and any work associated with the construction and operation of the project.
Operational Environmental Requirements	A plan, procedure or work instruction that must be complied with.
Roy Hill Environment Team	The Roy Hill Mine or Rail and Port Environment Teams
Shall	It must be undertaken and is not negotiable
Should	It must be undertaken, however if it cannot be undertaken or will significantly impact on time or cost then modification to the requirement may be considered by Manager Environment and Approvals
Specialist Biological Sciences	The Specialist Biological Sciences of the Roy Hill Environment Team
Superintendent Environment	The Superintendents of The Roy Hill Environment Team (Mine or Rail and Port)

Table 3: Definitions

## 6 References

Document Number	Document Name
OP-FRM-00257	Fauna Sightings Form
OP-FRM-01315	Fauna Survey (FS) Completion Form
OP-FRM-01390	Fauna Trapping and Translocation (FTT) Completion Form
OP-GUI-00002	Animal Track Identification Guideline
OP-MAN-00089	Significant Flora, Fauna and Weed Species Identification Manual
OP-PLN-00014	Ginbata Wildlife Hazard Management Plan
OP-PLN-00036	Fauna Management Plan
OP-PRO-00062	Using a Firearm Procedure
OP-REG-00023	Fauna Translocation Register
OP-WIN-00013	Feral Dog Baiting Work Instruction
OP-WIN-00017	Feral Cat Trapping Work Instruction
OP-WIN-00019	Euthanasia of Feral Animals Work Instruction (for Specialist Contractor reference)
OP-WIN-02915	Fauna Handling and Translocation Work Instruction
OP-WIN-03417	Snake Handling Work Instruction
OP-WIN-06784	GDP Fauna Survey Work Instruction

Table 4: References

Note that up-to-date environmental documents should be accessed from the e-Care Roy Hill intranet portal to ensure that the current version is being used.

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