

# Construction Flora and Fauna Management Plan – Addendum

Moorebank Intermodal Precinct – West Precinct South

5 JUNE 2025



## MOOREBANK INTERMODAL PRECINCT- PRECINCT WEST- SOUTH

EPBC 2011/6086 Approval

Construction Fauna and Flora Management Plan - Addendum



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#### **REVISIONS**

Revision	Date	Description	Prepared by	Approved by
01	24/01/2024	Draft for client review		
02	28/02/2024	Final		
03	05/06/2025	Update following CDC approval of Warehouse S4		



#### **ACRONYMS AND DEFINITIONS**

Acronym / Term	Meaning
Addendum	Construction Environmental Management Plan – Addendum
CDC	Complying Development Certificate (230736/01)
CEMP	Construction Environmental Management Plan (SSD7709 MPW2)
CEMP Addendum	Construction Environmental Management Plan Moorebank Intermodal Precinct – Precinct West South
CFFMP	Construction Flora and Fauna Management Plan (SSD7709 MPW2)
CFFMP Addendum	Construction Flora and Fauna Management Plan Moorebank Intermodal Precinct – Precinct West South (this Plan)
CoC	Conditions of Consent as detailed in the SSD 5066 Development Consent
Construction area / footprint	Extent of construction works, namely areas to be disturbed during the construction of the Project, as identified in the CDC
Contractor's EM	Contractor's Environmental Manager
EIS	Environmental Impact Statement
Environmental Incident	An occurrence or set of circumstances that causes or threatens to cause material harm and which may or may not be or cause a non-compliance. Environmental incidents include pollution incidents and environmental emergencies. Environmental incidents may arise from natural (e.g. storm, wind or bushfire) or human factors.
EPBC Act	Environment Protection and Biodiversity Conservation Act 1999
Material harm	Harm that involves actual or potential harm to the health or safety of human beings or to the environment that is not trivial, or results in actual or potential loss or property damage of an amount, or amounts in aggregate, exceeding \$10,000, (such loss includes the reasonable costs and expenses that would be incurred in taking all reasonable and practicable measures to prevent, mitigate or make good harm to the environment)
MPW	Moorebank Precinct West
MPW Concept Approval	MPW Concept Approval (SSD 5066), granted by (the now) DPIE on 29 September 2014 for the development of an intermodal terminal facility including a rail link connecting the site to the Southern Sydney Freight Line, an intermodal terminal, warehousing and distribution facilities and a freight village.
MPW Concept EPBC Act Approval	Commonwealth Approval (No. 2011/6086) granted in September 2016 under the Environment Protection and Biodiversity Conservation Act 1999, for the impact of the MPW Project on listed threatened species and communities (sections 18 and 18A of the EPBC Act) and Commonwealth action (sections 28 of the EPBC Act).
MPW Stage 2/3	Moorebank Precinct West Stage 2 and Stage 3 ('the Project')
OFFMP	Moorebank Logistics Park – Precinct West Stage 2 (SSD7709) Operational Flora and Fauna Management Plan
Non-compliance	An occurrence, set of circumstances, or development that results in a non-compliance or is non-compliant with Development Consent SSD 7709 and SSD 10431 Conditions of Consent or EPBC Act Approval (EPBC 2011/6086) Conditions of Approval but is not an incident.
Non-conformance	Observations or actions that are not in strict accordance with the CEMP and the aspect specific sub-plan.
The Project	The construction of the four warehouses ('S1', 'S2', 'S4' and 'S5) and associated landscaping and infrastructure on the MPW South Site.



Project site / Project footprint	The subject of the MPW Stage Concept Approval EIS, the part of the MPW Site which includes all areas to be disturbed by the Project (construction area).
REMM	Revised Environmental Management Measures. These are the management and mitigation measures presented in the MPW Concept Plan Supplementary RtS (August 2017).
SSD	State significant development
TISEPP	State Environmental Planning Policy (Transport and Infrastructure) 2021
WoNS	Weeds of National Significance



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#### 1. Introduction

This Construction Flora and Fauna Management Plan – Addendum (Addendum) applies to construction activities being undertaken at the Moorebank Precinct West (MPW) South Site, in Moorebank, New South Wales and addresses:

- the relevant conditions of the 2011/6086 Approval issued under the *Environment Protection and Biodiversity Conservation Act 1999* (EPBC Act)
- the relevant conditions of the MPW Concept and Stage 1 (State Significant Development (SSD) 5066) Development Consent
- the applicable complying development conditions issued with the following Complying Development Certificates (CDC) in accordance with Chapter 6 of the State Environmental Planning Policy (Transport and Infrastructure) 2021 (TISEPP):
  - CDC 230736/01
  - CDC 250077/01.

The MPW Stage 2 Construction Environmental Management Plan (CEMP) and subplans were originally approved by the (then) Department of Planning, Industry and Environment (DPIE) prior to the commencement of construction in accordance with Condition of Consent (CoC) C2 of the MPW Stage 2 (SSD 7709) Development Consent.

The MPW Stage 3 (SSD 10431) Development Consent was issued by the Independent Planning Commission on 11 May 2021. CoC B17 required a CEMP to be approved by the Planning Secretary prior to commencement of construction. CoC B19 allows the Applicant to prepare standalone CEMP and relevant sub-plan documents, or update versions of CEMP documents already approved by the Planning Secretary as part of the MPW Stage 2 (SSD 7709) Development Consent. The MPW Stage 2 CEMP and sub-plans were subsequently updated to include the requirements of the MPW Stage 3 SSD 10431 Development Consent and approved by the Planning Secretary. A Construction Fauna and Flora Management Plan (CFFMP) was not required under SSD 10431.

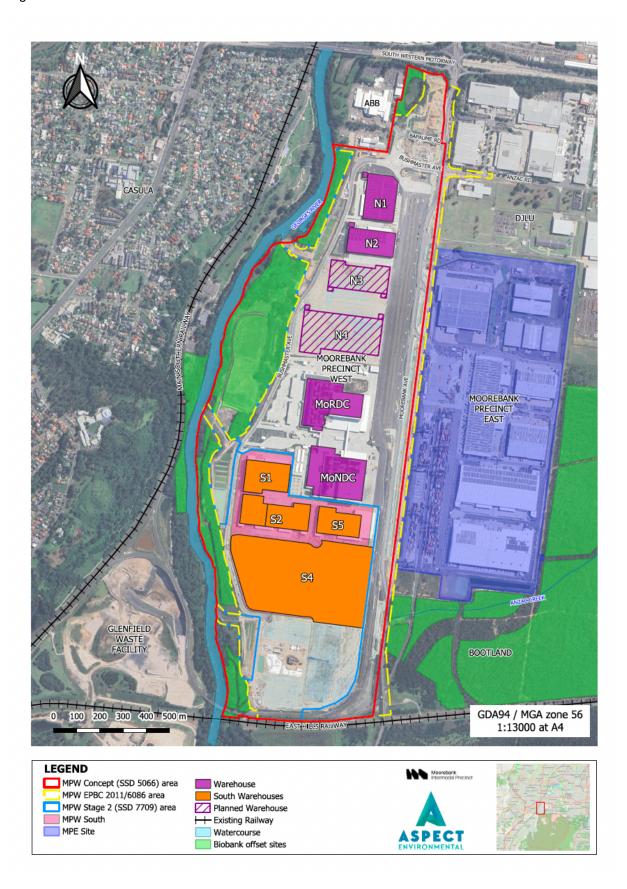
This Addendum to the MPW Stage 2 CFFMP has been prepared to apply environmental management measures, where relevant, consistently for the construction of the MPW South Project (the Project) and meet the relevant conditions of the applicable development consents and approvals. This Addendum forms a subplan to the MPW Stage 2/3 CEMP – Addendum that has been prepared for the Project.

The location of the Project site is shown in Figure 1-1.

The Project involves the construction and operation of four warehouses ('S1', 'S2', 'S4' and 'S5') on the MPW South Site, as well as ancillary works including landscaping and infrastructure.



Figure 1-1 MPW South Site location





#### 1.1. Project Approvals

The Project was approved under both the EPBC Act and Environment Planning and Assessment Act (EP&A) Act. The approvals and consents granted under these acts include conditions relevant to construction.

The EPBC 2011/6086 Approval was granted on 27 September 2016 and includes environmental conditions relevant to the management of flora and fauna impacts during construction and relevant to this Addendum. This Addendum has been prepared under CoA 21.

The SSD 5066 Development Consent was granted on 3 June 2016. The consent, excluding those conditions related to stage 1 (early works), are applicable to the project.

CDC 230736/01 for the Project was issued under the TISEPP on 27 February 2024. A subsequent CDC (250077/01), for the construction and operation of Warehouse S4, was issued on 29 May 2025. The CDCs include conditions relevant to the construction of the Project but not specifically relevant to flora and fauna management and to this Addendum.

The compliance of this Addendum with the relevant conditions of the approvals and consents is detailed in Section 2.1.

#### 1.2. Purpose and Application

This Addendum has been developed to address the relevant requirements of the approvals and consents. It aims to demonstrate how impacts to flora and fauna will be managed during construction of the Project.

It provides methods to monitor, measure, reduce and mitigate impacts on flora and fauna by contractors during the construction of the Project, including all subcontractors and consultant partners.

This Addendum was developed in reference to the following documents:

- Moorebank Intermodal Terminal Project Environmental Impact Statement, Chapter 13 Biodiversity, Parsons Brinkerhoff October 2014
- MPW Stage 2/3 CEMP
- MPW Stage 2 CFFMP
- MPW South CEMP Addendum.

The most recent version of this Addendum will be implemented to manage the potential impacts of the Project on flora and fauna during construction. Construction will not commence until this Addendum has been submitted to the Minister responsible for the EPBC Act (or delegate). Construction will be undertaken in accordance with the most recent version of this Addendum.



#### 1.3. Objectives and Targets

The objectives and targets for this Addendum are the same as those detailed in Table 1-1 of the MPW Stage 2 CFFMP.

#### 1.4. Consultation

The MPW Stage 2 CFFMP was prepared in consultation with stakeholders as detailed in Table 1-2 of the MPW Stage 2 CFFMP.

No stakeholder consultation was required for the preparation of this Addendum.



#### 2. **Environmental Management**

#### 2.1. Legislative Requirements

The regulatory framework for the Project is outlined within the Compliance and Obligations Register (refer to Appendix A of the MPW South CEMP – Addendum). This register identifies the requirements of Project approval and consents and where they are addressed. Appendix A of the MPW Stage 2/3 CEMP identifies relevant legislative instruments, their key objectives and relevance to the Project, including legislative and voluntary obligations, permits and licences, standards and guidelines.

Where updated or revised versions of guidelines, protocols, standards or policies, or a replacement of them are available, the most recent versions should be applicable to this Plan.

#### 2.1.1. Compliance Matrix

The Project is being delivered under approvals and consents granted under the EPBC Act and EP&A Act. These approvals and consents include requirements to be addressed in this Addendum and to be met during the construction of the Project. The conditions specific to the development of this Addendum are detailed in Table 2-1.

Table 2-1 Approvals and consents compliance matrix

CoA/ CoC	Requirement	Section	How Addressed		
EPBC 2011/60	EPBC 2011/6086 Approval				

The EPBC 2011/6086 Approval did not include any conditions relating to community communications.

#### **SSD 5066 Development Consent**

The SSD 5066 Development Consent did not include any conditions relating to community

REMM	ons during the construction of future stage		
2A	A Community Engagement Plan (CEP) (or equivalent) would be prepared to outline community involvement and consultation activities during early works, construction and operation phases.  As a minimum, the CEP would include appropriate measures for community involvement, including:  • a direct telephone number (24 hour) • an email address • a postal address • regular project updates • a community liaison representative; and scheduled	Section 2.5 Section 3.3	Section 2.5 provides details on the measures that will be made available to encourage community involvement in the Project including the 24-hour telephone number, email address, postal address website and the CCC.  Section 3.3 outlines communication and engagement timeframes to be adhered to by the contractor when responding to complaints and/or enquiries.



	meetings with a local representative body such as a community consultation (or liaison) committee  The CEP would also set out a guide on expectations for responding to relevant information received from community members.		
2B	The CEP would be prepared to ensure:  • the community and stakeholders have a high level of awareness of all processes and activities associated with the Project • accurate and accessible information is made available; and • a timely response is given to issues and concerns raised by stakeholders and the community.	Section 2.5 Section 3.3	Section 2.5 provides details on how LOGOS will communicate with the community to ensure they are aware of the Project and that information is accurate and easily accessible.  Section 3.3 outlines communication and engagement timeframes to be adhered to by the contractor when responding to issues and concerns raised by stakeholders and the community.

#### CDC 230736/01

The CDC did not identify conditions relating to community communications.

#### CDC 250077/01

The CDC did not identify conditions relating to community communications.



#### 2.2. Roles and Responsibilities

Key roles and responsibilities associated with the implementation of this Addendum are detailed in Table 2-6 of the MPW Stage 2 CFFMP.

#### 2.3. Training

Appropriate training and inductions for construction and site personnel will be undertaken in accordance with Section 2.5 of the MPW South CEMP – Addendum. The following biodiversity specific information will be included within the induction:

- Location and importance of threatened flora and fauna species (and habitat), and endangered ecological communities
- Boundaries and "NO-GO" zones
- · Procedures on encountering fauna
- Pesticide and herbicide application requirements.

Training and/or toolbox talks will also be undertaken on weed and threatened flora and fauna identification, the appropriate guidelines and methods for removing weeds, driving vehicles in weed infested locations and the disposal of weed infested topsoil.

Records of all training and inductions are to be filed in accordance with the document control system outlined in the MPW South CEMP – Addendum.



#### 3. Implementation

#### 3.1. Existing Environment

Section 3.1 of the MPW Stage 2 CFFMP describes the existing environment in terms of:

- Threatened flora species
- Vegetation
- Weeds
- Threatened flora species
- Fauna Habitat
- Aquatic Species.

#### 3.2. Aspects, Impacts and Risks

Impacts of the Project on biodiversity were assessed by the Moorebank Precinct West-Biodiversity Assessment Report (Arcadis, 2017b), which was prepared in accordance with the NSW Framework for Biodiversity Assessment (FBA) (OEH 2014). Section 1.2 of the MPW South CEMP – Addendum describes the Project, including construction activities, construction hours and ancillary construction activities. Section 3.1 and Appendix D of the MPW South CEMP – Addendum details the aspects, impacts and risks associated with the construction of the Project.

#### 3.3. Management Measures

Management actions prescribed by this Addendum aim to avoid and minimise impacts on biodiversity. Management measures to be implemented prior to, during and after construction are detailed in Table 3-1. These measures have been sourced from the MPW Stage 2 CFFMP and subsequently amended to be relevant for the construction of the Project.



Table 3-1 Management Measures

ID	Management Measure	Timing	Responsibility	Reference			
Pre-Co	Pre-Construction Management Actions						
FF1	To minimise potential impacts in areas vulnerable to erosion near aquatic areas (such as Georges River), these areas must be identified as "NO-GO" areas on all design, construction and operational drawings as well as sensitive area drawings.	During Construction	Construction Contractor's EM	MPW Stage 2 CFFMP			
FF2	Where practicable, reduce the height and increase the visibility of temporary fences to reduce likelihood of collision by birds and bats. Consult the Project Ecologist if any powerlines require relocating to ensure they are not placed in bat flyways or in a location that could impact birds.	Maintained until construction completion	Site Supervisor	MPW Stage 2 CFFMP REMM 6H			
FF3	<ul> <li>All site personnel involved in construction activities must be inducted during Toolbox Talks on the requirements of this Addendum prior to commencing work on the Project site. Site personnel are to be:</li> <li>Informed that they are not to encroach on biodiversity offset (vegetated areas)</li> <li>Made aware of the locations of threatened flora species, Threatened Ecological Communities and vegetation to be retained, measures required to protect them, and the consequences of damage to these areas</li> <li>Made aware of the local fauna that may occur on the Project site</li> <li>Made aware of the Unexpected Finds Protocol, pertaining to threatened flora and fauna species that may be found on the Project site</li> <li>Informed of the incident response procedures in the MPW South CEMP – Addendum.</li> </ul>	During Construction	Construction Contractor's EM	MPW Stage 2 CFFMP			
Const	ruction Management Actions						
FF4	If any previously unidentified native flora or fauna are encountered on site, then the unexpected finds protocol (Appendix D of the MPW South CEMP – Addendum) must be implemented.	During Construction	Construction Contractor's EM	MPW Stage 2 CFFMP			
FF5	No spoil, excavated material, plant or equipment is to be stockpiled or stored within vegetation exclusion zones.	During Construction	Construction Contractor's EM	Standard Practice			



FF6	Winter-flowering trees must be preferentially planted in landscaped areas of the Project Site to provide a winter foraging resource for migratory and nomadic nectar-feeding birds and the Grey-headed Flying-fox.	During Construction	Construction Contractor's EM	REMM 6L
FF7	Weeds, pests and vermin must be managed in accordance with the Weed, Pest and Vermin Management Protocol (Appendix C of MPW Stage 2 CFFMP).	During Construction	Construction Contractor's EM	MPW Stage 2 CFFMP
FF8	Fences and other preventative actions must be implemented and maintained to keep terrestrial fauna away from operational terminals and construction activities.	During Construction	Site Supervisor	MPW Stage 2 CFFMP
FF9	<ul> <li>If any animal is injured, contact the relevant local wildlife rescue agency (e.g. WIRES) and/or local veterinary surgery as soon as practical.</li> <li>WIRES: 1300 094 737</li> <li>Sydney Wildlife Rescue: 9413 4300</li> <li>Moorebank Veterinary Hospital: 8798 4859</li> <li>Liverpool Veterinary Hospital: 9602 6015.</li> <li>Until the animal can be cared for by a suitably qualified animal handler, if possible, minimise stress to the animal and reduce the risk of further injury by: Handling fauna with care and as little as possible</li> </ul>	During	Construction	MPW Stage 2
	<ul> <li>Covering large animals with a towel or blanket and placing in a large cardboard box</li> <li>Placing small animals in a cotton bag, tied at the top. Keeping the animal in a quiet, warm, ventilated, and dark location.</li> <li>In the case of arboreal or flying mammals, attempts will be made to relocate the den or nest under the supervision of the Project Ecologist. After capture, the animal(s) will be held by a trained wildlife carer for a period of no longer than two weeks until the roost or den can be relocated, either as an entire tree or part thereof.</li> </ul>	Construction	Contractor's EM	CFFMP
FF10	Directional lighting will be used where lighting is required within the construction area. Lights would be directed away from the riparian vegetation adjoining the Georges River as far as is practicable.	During Construction	Site Supervisor	REMM 6Xi



FF11	Keep Project site tidy for vermin control, where possible using biodegradable pesticides / herbicides.	During Construction	All site personnel	Standard Practice
FF12	No works to be undertaken within the riparian corridor outside of the approved construction boundary.	During Construction	Construction Contractor's EM	MPW Stage 2 CFFMP REMMs 18A and E24A
Upon (	Completion of Construction			
FF13	Revegetation by seeding must utilise native species of local provenance.	As soon as practicable after disturbance	Construction Contractor's EM	Standard Practice
			Site Supervisor	
Monito	ring			
FF14	Monitoring of fauna and weed species within the Project site will be undertaken in accordance with Section 4.1	During Construction	Construction Contractor's EM	MPW Stage 2 CFFMP



#### 4. Monitoring and Review

#### 4.1. Environmental Monitoring

Monitoring, including site inspections, will be undertaken in accordance with Sections 4.1 and 4.2 of the MPW South CEMP – Addendum. Monitoring required to determine the effectiveness of management measures required by the Addendum are outlined in Table 4-1.

Table 4-1 Monitoring activities

Monitoring Activity	Frequency	Responsibility
Inspect areas immediately adjoining the clearing boundary (i.e. within "NO-GO" areas), to ensure no material stockpiling, plant or equipment storage is located within a "NO-GO" area.	Daily	Site Supervisor
Inspection of sediment control measures (sediment fencing) to ensure all measures are intact and functioning properly, to avoid indirect impacts on adjoining areas.	Weekly, and as soon as practical following rainfall	Contractor's EM/ Site Supervisor
Inspection of cleared and disturbed areas, to confirm that appropriate stabilisation measures have been implemented.	Weekly	Contractor's EM/ Site Supervisor
Inspect site for the presence of weeds, vermin and pest species in sufficient numbers to pose an environmental hazard or cause the loss of amenity for the surrounding area.	Weekly	Contractor's EM
Inspection of nest boxes as per the Nest Box Strategy	In accordance with Nest Box Strategy	
Inspect landscaped areas to determine whether additional maintenance is required	Weekly post landscaping activities until handover to maintenance contractor	Contractor's EM

#### 4.2. Environmental Auditing and Reporting

Auditing and reporting will be undertaken in accordance with Sections 4.3 and 4.6 of the MPW South CEMP – Addendum.

#### 4.3. Review and Improvement

Review and improvement of this Addendum will be undertaken in accordance with Section 4 of the MPW South CEMP – Addendum. Continuous improvement will be achieved by the ongoing evaluation of environmental management performance and effectiveness of this Addendum against environmental policies, objectives and targets.

Revisions of this Addendum will be undertaken in accordance with Section 1.1.4 of the MPW South CEMP – Addendum.



#### 4.4. Incidents

In the event of a safety/environmental incident or unpredicted impacts relating to the management of flora and fauna, it is the responsibility of all personnel to report to the Site Supervisor.

All environmental incidents will be managed and reported in accordance with Section 2.8 of the MPW South CEMP – Addendum.

#### 4.5. Non-Compliance and Non-Conformance

It is the responsibility of all site personnel to report non-compliances and non-conformances to the Site Supervisor and/or the Contractor's Environmental Manager. Non-compliances and non-conformances will be managed in accordance with Section 4.4 of the MPW South CEMP – Addendum.

#### 4.6. Complaints

Complaints handling will be undertaken in accordance with Section 2.6 of the MPW South CEMP – Addendum.



### APPENDIX A. WEEED, PEST AND VERMIN MANAGEMENT PROTOCOL

#### **Purpose**

This Weed, Pest and Vermin Management Protocol explains the actions and measures to be implemented if any weeds, pest species and/or vermin are found on the Project site. To date, 12 weeds listed as priority weeds for the Greater Sydney Region under the *Biosecurity Act 2015*, of which nine are also listed as Weeds of National Significance (WoNS) (Australian Weeds Committee 2010) have been identified on the site. This Weed, Pest and Vermin Management Protocol prescribes measures to manage weeds, pests and vermin that may be identified on the site, in accordance with the *Biosecurity Act 2015* and the *Pesticides Act 1999* and *Pesticides Regulation 2017*. The *Biosecurity Act 2015* repeals the *Noxious Weed Act 1993* as of 1 July 2017.

#### **Training**

All personnel undertaking construction activities within the site will be inducted on the identification of priority weed species/WoNS, pest species and vermin that may occur on the site and will be trained in this protocol through Toolbox Talks or a site induction.

#### **Protocol**

As outlined in Section 3.3 of the CFFMP, the following management measures must be implemented to prevent the introduction of weeds to the Project site:

- Vehicles, equipment, materials and footwear are to be clean on entry (free of soil, mud and/or seeds) to minimise the introduction or spread of weeds; site access controls in accordance with Landcom Blue Book – standard drawing SD 6-14 to be installed at the site entry.
- No spoil, excavated material, plant or equipment is to be stockpiled or stored outside of the delineated "NO-GO" zones.
- Undertake weekly inspections of cleared and disturbed areas, to identify the presence of establishing weeds.

#### Identification of weeds, pest species and/or vermin

The movement of people, plant and equipment during construction activities has the potential to introduce weed propagules to the construction footprint. Disturbed areas (i.e. where the soil profile has been disturbed by vegetation clearing and/or earthworks) are most susceptible to the establishment of weeds. Weeds, pest species and/or vermin may be identified on the site during the weekly inspections of cleared and disturbed areas that must be carried out, in accordance with the monitoring requirements prescribed by Section 4.1. Known weed species are listed in the table below.



Table 1 Known weed species

Weed	Status
Alligator Weed; Alternanthera philoxeroides	WoNS, priority weed
Ground Asparagus; Asparagus aethiopicus	WoNS, priority weed
Bridal Creeper; Asparagus asparagoides	WoNS, priority weed
Boneseed; Chrysanthemoides monilifera subsp. monilifera	WoNS, priority weed
Bitou Bush; Chrysanthemoides monilifera subsp. rotundata	WoNS, priority weed
Lantana; <i>Lantana camara</i>	WoNS, priority weed
Blackberry; Rubus fruticosus	WoNS, priority weed
Sagittaria; Sagittaria platyphylla	WoNS, priority weed
Salvinia; Salvinia molesta	WoNS, priority weed
Fireweed; Senecio madagascariensis	WoNS, priority weed
Giant Reed; Arundo donax	Priority weed
Peruvian Primrose; Ludwigia peruviana	Priority weed
African Olive; Olea europaea subsp. cuspidata	Priority weed

#### Management of weeds, pest species and/or vermin

If weeds, pests and/or vermin are identified in the site, the following steps must be implemented.

1. Identify weed, pest species and/or vermin

The Contractor's EM is to identify the weed, pest or vermin to species level.

2. Remove weed, pest species and/or vermin

The Contractor's EM must recommend management measures specific to the species identified in the site. Management measures may include:

- Physical removal of weed species
- Application of herbicides for chemical removal of a weed species in accordance with requirements of the Pesticides Act 1999 and Pesticides Regulation 2017
- Record details of any pesticide or herbicide used in accordance with the Pesticides Regulation 2017
- Disposal of weed and non-native vegetation



 Capture or deterrent of a fauna pest species. f. Capture fauna vermin species or removal of flora vermin species.

#### CONTINUE MONITORING FOR WEED, PEST SPECIES AND/OR VERMIN

The Contractor's EM must ensure that the weed, pest species or vermin is included in subsequent inductions and Toolbox Talks.

Subsequent weekly inspections must include inspections of areas from which weeds, pest species or vermin have been removed. Inspect the site on a regular basis, no less than every month, to confirm that the measures in this protocol are working effectively, and that pests, vermin or noxious weeds are not present on site in sufficient numbers to pose an environmental hazard, or cause the loss of amenity in the surrounding area.