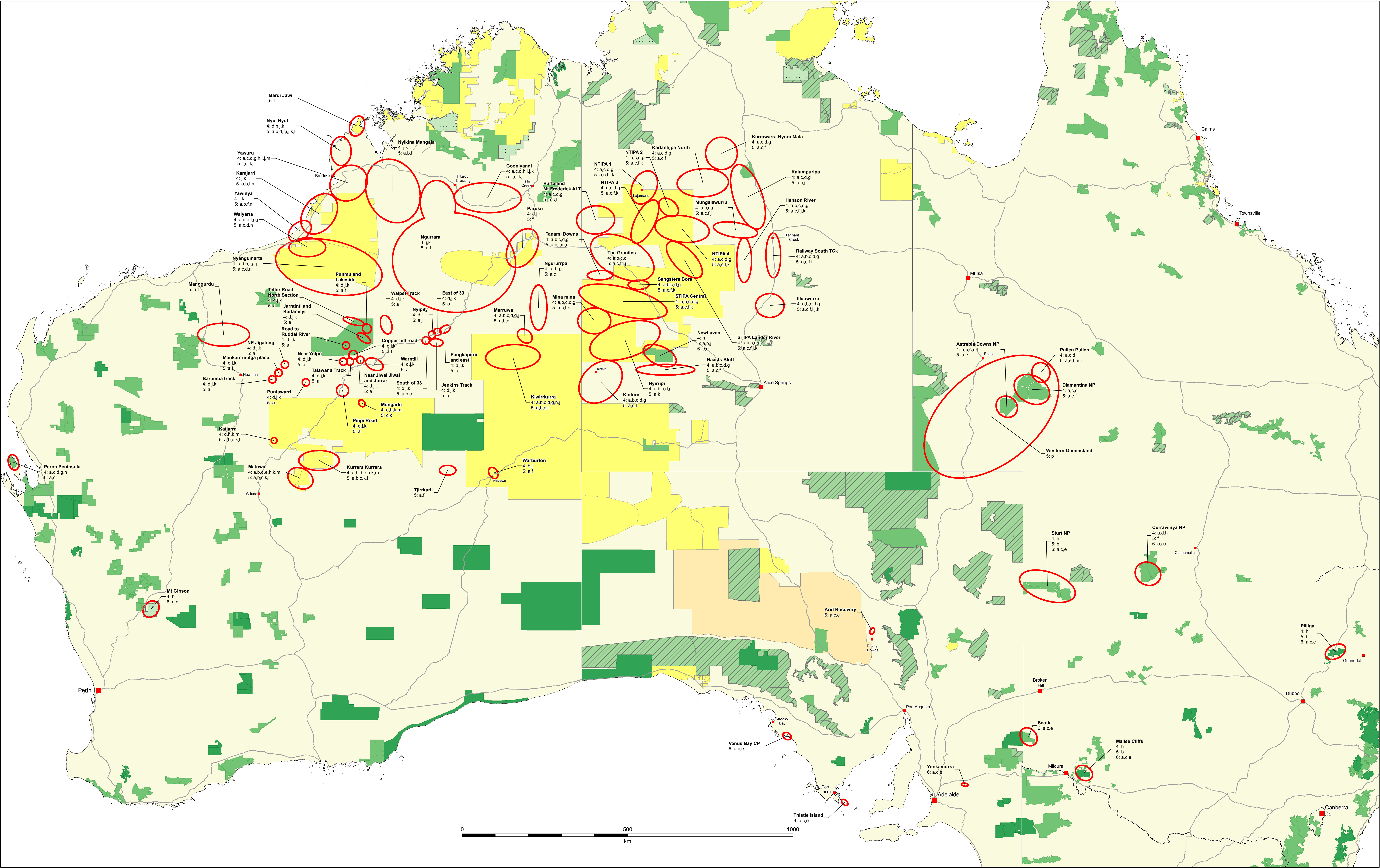


# Greater Bilby On-Ground Recovery Actions - as at February 2019



## Recovery Actions

**Matuwa**  
4: a.b,d,e,h,k,m  
5: a.b,c,k,j

Site name  
Recovery actions identified in the plan to be undertaken at the site.  
Refer to recovery plan for more detail

## National Reserve System

- Indigenous Protected Area
- Nature Reserve and Wilderness Area (IUCN Ia and Ib)
- National Park and Habitat Protection (IUCN II, III and IV)
- Protected Landscape and Sustainable Use (IUCN V and VI)
- Conservation Area
- Restricted area (Defence)

| On-Ground Recovery Actions         |   |
|------------------------------------|---|
| Manage and monitor feral predators |   |
| 4a                                 | Cat control with monitoring to suit local conditions and opportunities. Provide for technique trialling, training, information sharing and knowledge transfer for Traditional Owners and land managers. |
| 4b                                 | Targeted cat and fox control to reduce predator impacts on bilbies at edges of bilby range. Test and develop techniques.  |
| 4c                                 | Proactively control cats and wild dogs during boom-bust prey events when monitoring shows thresholds exceeded   |
| 4d                                 | Establish baseline monitoring of bilbies and predators, and monitor threat effects.   |
| 4e                                 | Train Aboriginal land managers in adaptive management of feral animal control and management activities.  |
| 4f                                 | Develop baseline distribution data and maps of threats and make available to land managers.   |
| 4g                                 | Develop regional predator management strategies.  |
| 4h                                 | Determine tolerable levels of cat occupancy.  |
| 4i                                 | Determine the ecological conditions and prey resources that affect fox densities.   |
| 4j                                 | Determine if foxes are extending their range in WA.   |
| 4k                                 | Determine where and under what conditions bilbies are co-existing with predators.   |
| 4l                                 | Understand cat immigration corridors, source populations and movement during boom and bust events.  |
| 4m                                 | Investigate the interaction between cats, dingoes, and foxes.   |

## Improve and maintain habitat

| Manage Fire |  |
|-------------|--|
| 5a          | Plan fire management at local and landscape scale suitable to local conditions including traditional patch burning, strategic firebreaks, no-burn areas. Develop fire management guidelines. |
| 5b          | Burn to promote bilby foods and to protect habitat, and monitor the effect of fire.  |

| Improve habitat connectivity and maintain habitat extent |  |
|--|--|
| 5c   | Compile traditional ecological knowledge about links between habitat, fire patterns and key bilby food availability.   |
| 5d   | Ground-truth and refine bilby habitat model including fire history.  |
| 5e   | Enlarge and reconnect small wild sub-populations and improve habitat connectivity. Support land managers to maintain existing habitat and to manage predators. |
| 5f   | Retain quality and integrity of bilby habitat, and enhance retained habitat. Manage effects of unavoidable loss.   |
| 5g   | Develop guidelines for minimising impacts on bilbies from land-use change.   |
| 5h   | Identify sufficiently large areas to support large bilby sub-populations (at least 3000).  |
| 5i   | Determine how bilbies use roads & railways and manage any related roadkill and predation.  |
| 5j   | Determine whether weed control improves bilby habitat suitability.   |

| Managing impacts of herbivore grazing |   |
|---------------------------------------|---|
| 5k                                    | Continue to exclude cattle from ungrazed bilby sites.   |
| 5l                                    | Trial feral herbivore reduction to improve persistence or population growth.  |
| 5m                                    | Reduce water point density in habitat near bilby sites.   |
| 5n                                    | Develop guidelines for tolerable stocking levels based on grazed sites.   |
| 5o                                    | Trial reduction in stock grazing intensity.   |
| 5p                                    | Provide information to pastoral companies about opportunities to increase bilby population size and resilience on pastoral lands. |
| 5q                                    | Define and promote tolerable grazing levels of feral herbivores that considers other threats.                                     |
| 5r                                    | Quantify the effect of grazing on bilby populations and persistence at a local and landscape level.                               |

| Meta-population management |   |
|----------------------------|---|
| 6a                         | Develop a meta-population management plan.  |
| 6b                         | Implement meta-population management plan - reintroduction to former range.   |
| 6c                         | Implement meta-population management plan - founder collection, genetic exchanges, amalgamate holdings, and breeding for release, maintenance of selective pressures. |
| 6d                         | Develop a Captive Management Plan for the captive population to implement the meta-population and recovery plans.   |
| 6e                         | Trial reintroductions to test tolerance to management of predators, grazing, other threats.   |

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Map produced by the Department of the Environment and Energy  
Bilby Recovery Actions:  
Areas considered for recovery action were initially identified by attendees at the 2017 Bilby Workshop in Alice Springs. Actions to be undertaken at each site were also identified at the workshop. Actions to be undertaken and action areas have been refined by consultation with indigenous custodians and ranger groups as well as other stakeholders. Recovery actions were reclassified in 2019. Recovery actions identified in this document and may have changed from the original intent of the identifier.  
Last updated: 26/02/2019

