

South West Region NRM Plan





Acknowledgement of Country

We acknowledge the Noongar people of the South West region and pay our respect to their Elders past, present and emerging. We recognise the importance of their inherent spiritual relationship with their country and the value of their Traditional Knowledge to ensure a sustainable future for our environment and for us all.

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1. Executive Summary

South West NRM has consulted extensively with its wide network of stakeholders to update the South West Region Natural Resource Management Plan for 2021–2030. This update reflects evolving practices in natural resource management (NRM) planning, along with changes to environment pressures and opportunities within the region.

Whilst the development of the plan is coordinated by South West NRM, it is intended to be owned and delivered by the wider community of the region. It sets out a clear, straightforward framework for all parties working within the sector to:

- Align our actions for the shared benefit of our region
- Focus on priorities that have the most significant impact on the threats facing our region
- Understand how to apply the regional priorities to assets in sub-regional and local areas
- Work closely with Noongar people to apply traditional ecological knowledge
- Increase our success in securing funding for keyinitiatives
- Collaborate to build regional capacity.

Three priority investment areas have been identified by a broad group of subject matter experts and local stakeholders. Management interventions for each priority investment area's underlying threats and key assets are outlined, to assist the community in focusing efforts at a regional, subregional and local level. This alignment will assist in accessing increased funding from a more diverse range of sources. This plan also addresses both Federal EPBC Matters of National Environmental Significance (MNES) and State government priorities within the region.

NRM practitioners in the region are encouraged to apply the frameworks and decision–making flows to their initiatives and share progress with South West NRM to allow for regional measurement of trends over time.

We are all custodians of a significant portion of a global biodiversity hotspot, and we all have a part to play in protecting and enhancing it. By clearly stating our shared goals, we can now focus on working together to make a difference today and develop a sustainable environment for tomorrow.



2. Introduction

Since 2002, South West NRM (formerly South West Catchments Council) has been responsible for facilitating the development of the South West Region Natural Resource Management Plan, on behalf of stakeholders across the region. Over the years, the different iterations of this plan have involved a variety of approaches. The common thread running through them all has been an unwavering commitment towards finding solutions to the growing environmental challenges our region faces, enabling us to keep progressing and succeeding. These solutions are only ever possible through world-class collaboration with a broad range of stakeholders and sustained enthusiastic participation by our region's NRM community.

Our environmentally diverse region brings complex challenges for all of us involved in protecting, managing, and improving our natural spaces. We lie within an internationally renowned biodiversity hotspot, featuring unique plants and animals found nowhere else on Earth. It will take our collective care to ensure our ecosystems are returned to a state where they are healthy, robust and resilient to future change.

In more recent years, it has become apparent that the increasing environmental pressures on our unique region call for a new, ambitious approach by South West NRM to better support and coordinate NRM group activities. When our ecological and social capital future is being tested, we believe we must respond with urgency.

That is why South West NRM has taken a new approach to developing this NRM plan for 2021–2030. While South West NRM authors and facilitates the plan, it's designed to be used by all of us. Further, in response to the NRM community's feedback, the plan is more inclusive of the different challenges presenting in different areas. We now focus on the challenges we share in common to maximise opportunities for local community inclusion and engagement at a grass-roots level where the community's passion lives.



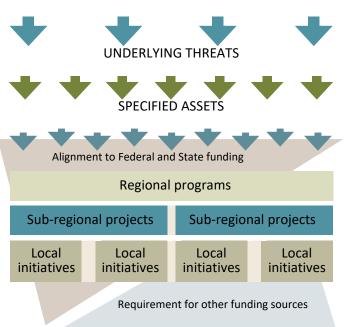
3. Context for using this document

The plan is a framework designed to help the NRM community of our region align actions, prioritise effort, maximise funding success and understand the funding avenues at different levels of focus. This plan is designed to be responsive to local issues but also address environmental assets at a State and Federal level including those assets listed under the Environmental Protection and Biodiversity Conservation Act 1999 (the EPBC Act). That means specific programs, projects and actions will be owned by you (either as an individual group or in collaboration across different groups) and measured collectively on behalf of our region. It's a simpler approach to previous iterations, recognising that ownership is widespread and funding has not yet been secured for many of the key initiatives required to achieve our shared overall objectives.

The structure of the plan also recognises that the criteria for National and State funding is very specific, focusing mainly on assets linking directly to their respective priorities. These priorities may not always translate to specific NRM challenges and assets in your sub-regional or local areas. In this case, we have listed options you may consider to fund or resource such initiatives.

FRAMEWORK ALIGNMENT

PRIORITY INVESTMENT AREAS





4. Evolution of the Plan

In the 1980s and 90s Natural Resource Management strategic planning was predominantly threat-based. Using this approach, a range of actions were developed to manage key or priority threats for the region.

This changed in the early 2000s when researchers and funders in the field concluded that dealing with a single threat rarely had a significant positive effect on the natural resource being managed. They determined most natural resources are threatened by multiple factors, therefore dealing with a single threat in isolation wasn't very effective. For this reason, a new asset-based approach was employed to develop regional NRM strategies across Australia for the NRM regions that were created at this time.

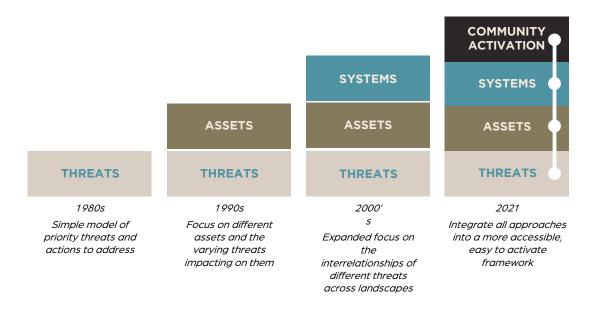
It wasn't until 2010 that researchers discovered that dealing with multiple threats didn't always result in reversals in the decline of natural resources/assets. In response, the concept of tipping points was introduced. Tipping points refer to the state of a natural resource beyond which the natural resource changes completely and irrevocably. For example, as grazing pressure increases certain plants are preferentially grazed more and more until a point is reached when those plants can no longer reproduce enough to maintain their populations, and so they disappear. Once they disappear, the whole structure and function of that ecosystem or asset changes, as do the types of ecosystem services it provides.

To incorporate this idea of tipping points into asset-based planning, planners had to understand the entire system and its interrelationships. And so systems-based NRM planning was developed.

However, systems-based NRM planning failed to gain sufficient traction, mainly because it is hard to do well and therefore costly. For this reason, most organisations have reverted to or maintained asset-based NRM planning. Their actions are designed for certain threatened species, a specific river, lake or wetland, or an area of land.

When used exclusively, asset-based NRM planning has a serious flaw in that it leads to arbitrary prioritisation matrices – a binary "in/out" listing of assets that have been deemed worthy of prioritisation. This can work against the way initiatives are successfully activated through community inclusion.

EVOLUTION OF PRIORITISATION MODELS



As previous approaches were not working as intended, the time is right to refresh our thinking. As such, the evolution of the plan has been shaped by two key principles: change is needed and community engagement is critical.

Change is needed

To better inform the plan, stakeholders were consulted through four sub-regional workshops, eight in-depth interviews and an online survey. Their feedback highlighted three consistent themes.

First, for some time now there has been confusion regarding who owned the plan, how it should be used, what detail is included in plans and how to measure success. This confusion represented a significant barrier for stakeholders to engage with the plan, understand its relevance and identify how they can contribute to its success.



Second, the structure of the document created arbitrary distinctions making it difficult for stakeholders to properly engage with and identify ways to participate. For example, there was little apparent distinction between Aquatic Biodiversity, Water Resources and Coasts and the Marine Environment, yet each had its own section with specific priorities.

Third, the structure also precluded any integration of Noongar land management thinking into the different areas of focus. Instead, it was included as a subset of the Communities and Culture key resource theme area which felt "hidden" to many stakeholders and did not align well to current thinking about its importance as a core consideration.

Community engagement is critical

It was clear previous plans were working against one of the most essential success factors for any regional NRM plan: to encourage and support extensive community involvement. This can only be achieved when each of us have a clear idea of where and how we can get involved, and how that relates to our local community and assets.

We have evolved a new approach to build on all aspects of previous plan applications. The plan is now structured around Priority Investment Areas to make it easier to understand and engage with, based on themed groupings of highest order threats and systems influences across the region. We have maintained alignment to broader State and National priorities through a list of Specified Assets. However, we also understand local initiatives may not necessarily align to a Specified Asset. In these instances, we have provided other options for consideration.

Overall, we will know this plan is successful when there are multiple projects being funded, at regional, sub-regional and local levels, addressing different aspects of the threats we face and also aligning to our overall priority investment areas.

5. Working with Noongar People

2030 Aspiration for Working with Noongar People

The Noongar community is deeply engaged with NRM, working in the industry through their own corporations and employment within other businesses, providing Traditional Knowledge (with their intellectual property respected) that educates the broader community and results in widespread adoption practices providing for a more sustainable relationship between man and the environment.

The South West Native Title Settlement¹ is the largest native title settlement in Australian history, impacting an estimated 30,000 Noongar people and encompassing approximately 200,000 square kilometres of land. This extensive Settlement resolves Noongar native title claims in the south west of WA in exchange for a package of benefits including:

- Recognition through an Act of Parliament the Noongar (Koorah, Nitja, Boordahwan) (Past, Present, Future) Recognition Act 2016.
- Noongar Boodja Trust a perpetual trust, receiving yearly instalments of \$50 million for 12 years.
- Noongar Corporations the establishment of six Noongar Regional Corporations and one Central Services Corporation, with funding support of \$10 million a year for 12 years, and \$6.5m to establish the offices.
- Noongar Land Estate up to 320,000 hectares of development and cultural land to be held by the Noongar Boodja Trust.
- Co-operative and joint management of National Parks and the South West Conservation Estate.
- Land Access to certain Crown lands for customary activities.
- Noongar Heritage Partnership Agreement collaboration framework for identifying, recording, protecting and managing Noongar Heritage values and sites.
- Noongar Standard Heritage Agreement standard processes for determining when and how to carry out heritage surveys on Noongar Lands.
- Noongar Land Fund up to \$46,850,000 over ten years for land-related projects.

This is a significant change in the NRM stakeholder landscape, occurring in parallel with consistent feedback about strategies that have failed to reflect the importance of Noongar people and their knowledge in the region.

Our new approach in designing the plan enables Noongar perspectives and stakeholders to be included at the initiative level across all Priority Investment Areas, not siloed as a sub-section of a Communities and Culture theme, as per previous iterations. Key areas of collaboration now include:

Key areas of collaboration now include:

- Training and enterprise development on Country
- Planning projects and working with Noongar partners on all Landcare projects
- Applying Traditional Knowledge and approaches when analysing specific challenges and developing appropriate solutions
- Integration of Traditional Knowledge into broad-based community education and engagement programs
- Early identification of relevant stakeholders via Noongar Regional Corporations.

¹https://www.wa.gov.au/organisation/department-of-the-premier-and-cabinet/south-west-native-title-settlement (accessed 5/1/2022)

6. Our Priority Investment Areas and how to apply them

This section sets out the rationale behind Priority Investment Areas, the implications for specific assets and threat management, and how to apply them to future funding applications.

At a Glance

Global biodiversity hotspot – one of two in Australia, one of 36 globally

2.4% of Earth's land surface, supporting more than 50% of the world's endemic plant species and almost 43% of bird, mammal, reptile and amphibian species as endemics (as defined by Conservation International www.iucn.org)

Highest concentration of rare and endangered species within Australia

6.1 Context and background

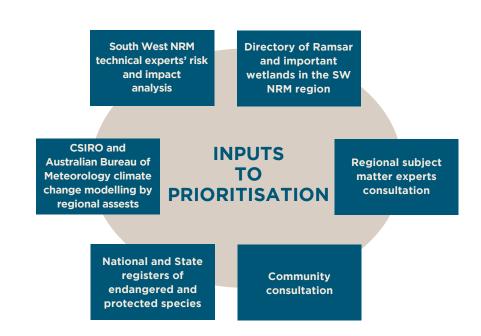
The entire South West NRM region sits within the South West Australia Ecoregion, one of 36 internationally recognised biodiversity hotspots across the world, and one of only two in Australia.

The southwest hotspot covers an area of 356,700km², stretching from Shark Bay to east of Esperance. The South West NRM region is also recognised as a National Biodiversity Hotspot.

This global recognition is based on the diversity and high level of endemism found in the region, particularly among plants and reptiles.

Boasting a variety of landscapes, from towering forests to rolling shrublands, the south west has a number of Threatened Ecological Communities (TECs) and is home to a unique array of bird and vertebrate species. The listing as an international biodiversity hotspot also recognises the serious threat that the Ecoregion faces from human sources.

There are three Priority Investment Areas with the most significant impact on NRM within the South West NRM region. They reflect the consolidation and interpretation of a wide range of scientific analysis and input as shown in the diagram below:



Importantly, our Priority Investment Areas have been developed to align with both National and State priorities. These priorities, along with the analysis and evidence that supports them, help to shape the Investment Areas, their priority threats, assets and suggested actions as illustrated in the diagram below:

NATIONAL REGIONAL LAND PARTNERSHIPS OUTCOME AREAS

- 1. The ecological character of Ramsar sites is maintained or improved
- The trajectory of species targeted under the Threatened Species Strategy, and other EPBC Act priority species, is improved
- The natural heritage Outstanding Universal Value of World Heritage properties is maintained or improved
- 4. The condition of EPBC Act listed Threatened Ecological Communities is improved
- 5. The conditions of soil, biodiversity and vegetation are improved
- Agriculture systems have adapted to significant changes in climate and market demands



STATE NRM PRIORITIES

- 1. Sustainably manage land, with a focus on regenerative agriculture
- 2. Maintain and enhance water resources
- 3. Protect and enhance the marine and coastal environment
- 4. Conserve and recover biodiversity
- 5. Enhance skills, capacity and community engagement
- 6. Deliver high quality planning that leads to effective action



We have three Priority Investment Areas for the plan:

BIODIVERSITY – TERRESTRIAL, AQUATIC, COASTAL

LAND RESOURCES

WATER RESOURCES

6.2 Biodiversity

- Terrestrial, Aquatic, Coastal

6.2.1 Overview

As of May 2022, there are 167 EPBC Act listed threatened species within the region. 144 are either *known* or *likely* to be present (92) plants, 22 birds, 11 mammals, 7 fish, 6 invertebrates, 4 reptiles and 2 amphibians). Twenty three species are listed as 'may occur' in the region¹. In addition, there are 14 EPBC Act listed threatened ecological communities in the region, of which 6 are endemic (Refer Appendix C). In addition to these federally listed species there are a further 217 flora and 36 fauna species listed as threatened or priority species under the WA Biodiversity Conservation Act in 2021², within the Southwest region. A number of threatened or priority species are also listed in other DBCA regions such as Warren Region that form part of the South West NRM regional boundary. These threatened species play important roles in the environment and nearly all of these species also have cultural significance to the Noongar people of the region. For this reason, it is recommended that Noongar people be consulted and involved in efforts to conserve these species at all times.

2030 Aspiration for Biodiversity

Ecosystem improvement and restoration provides biodiversity and connectivity on a landscape scale, to support healthy populations of native species that co-exist with sustainable agricultural, forestry, fishing and tourism industries.

All these listed threatened species and ecological communities are priorities for conservation action. Priority should be given to those species that are at higher risk and where the threatening processes are known and are manageable. Significant landscapes that contain multiple threatened species or ecological communities that are subject to manageable threat(s) are also priorities for protection.

Federally-funded priority outcomes for the region include that over the period mid-2018 to mid-2023;

- The trajectory of species targeted under the Threatened Species Strategy, and other EPBC Act priority species, stabilise or improve.
- The condition of EPBC Act listed Threatened Ecological Communities improve.

South West NRM's federally-funded programs receiving investment over this period aim to:

- Improve the population trajectory of the western ringtail possum (Pseudocheirus occidentalis)
- Implement recovery actions for the numbat (*Myrmecobius fasciatus*), the chuditch (*Dasyurus geoffroii*), the woylie (*Bettongia penicillate ogilbyi*) and the malleefowl (*Leipoa ocellate*).
- Improve the population trajectory of the Carnaby's cockatoo (*Calyptorhynchus latirostris*) through the improvement of breeding habitat.
- Increase numbers of the Australian bittern (*Botaurus poiciloptilus*) through targeted feral animal control across its range in the Muir–Byenup wetlands.

Refer to Appendix D for full list of current South West NRM projects addressing EPBC listed species. Appendix E details listed species under the EPBC Act currently unfunded.

Case Study: Felixer Grooming Traps for Controlling Feral Cats in the Upper Warren

This project is testing and refining the use of Felixer grooming traps for controlling feral cats at the mesoscale in the Upper Warren area. Baiting for feral cats has been found to be largely ineffective in this area but the Felixer grooming trap has potential to be a useful tool for controlling feral cats. This project will determine their safety for non-target native species and test several deployment styles to assess their effectiveness for controlling feral cats.



EPBC Species targeted:

- Bettongia penicillata ogilbyi (Woylie)
- Dasyurus geoffroii (Chuditch)
- Macrotis lagotis (Bilby)
- Myrmecobius fasciatus (Numbat)
- Pseudocheirus occidentalis (Western ringtail possum)
- Setonix brachyurus (Quokka)

Plan Theme: Biodiversity – Terrestrial Priority asset: Listed threatened species, Perup Partners: South West NRM, DBCA, Blackwood Basin Group

- 1. https://www.awe.gov.au/environment/epbc/about/epbc-act-lists#species (accessed 05/01/2022)
- 2. https://www.dpaw.wa.gov.au/plants-and-animals/threatened-species-and-communities (accessed 05/01/2022)

6.2.2 Key threats

The six key threats have been identified as:

1. Climate change

2. Habitat loss

- Land clearing
- Salinity
- Excess extraction of surface and/or ground water
- Sedimentation
- Extreme events

3. Introduced species

- Predators
- Herbivores
- Invertebrate pests
- Invasive weeds

4. Inappropriate fire regimes

Wildfire and planned fire

5. Diseases and pathogens

- Established fungal plant pathogens (inc. phytophthora, armillaria, marri canker)
- Chytrid fungus
- Emerging fungal pathogens (inc. myrtle rust)

6. Pollution

- Eutrophication (marine, estuarine and waterways)
- Acidification (marine and coastal)
- Ground water pollution
- Marine debris on beaches

"We know climate change is already happening, and nowhere is the damage more stark than in Australia's southwest. The southwest of Western Australia has been identified as a global drying hotspot. Since 1970, winter rainfall has declined up to 20%, river flows have plummeted and heatwaves spanning water and land have intensified."

6.2.3 Specified Assets

These assets have been identified at the regional level based on the level of threat, manageability and their alignment to State and National priorities.

TERRESTRIAL

The following biolandscapes¹:

Benger Ruabon-Tutunup Scott River Toolibin Whicher 1

Bridgetown; Collie North; Collie South; Karridale; Perup; Walpole; Whicher 2; Windy Harbour²

AQUATIC

Priority Species – Balston's Pygmy Perch; Black Striped Minnow; Margaret River Burrowing Crayfish; Hairy Marron; White-bellied Frog; Orange-bellied Frog and Reedia

Other Priority Assets –
Vasse– Wonnerup and Muir–
Byenup wetlands;
Leschenault and Harvey
Estuaries; Waterways
leading into: Deep River;
Donnelly River; Margaret
River; Shannon River;
Ellen Brooke; Milyeabrup
Brook; Milyeannup Brook,
Poison Gully; Lake Jasper;
Commercial aquaculture.

Western Mud Minnow; Pouched Lamprey; all other endemic freshwater fish, crayfish and jellyfish species; Leschenault Inlet; Hardy Inlet; Broke Inlet; Gardner River; Meerup River, Chapman Creek; McLeod Creek; Rushy Creek; Upper Chapman Creek²

COASTAL

All EPBC Act-listed species; Ngari Capes Marine Park; Geographe Bay including its seagrass beds; Blackwood Estuary; Vasse-Wonnerup Estuary; Leschenault Estuary.

Coastline of the Augusta-Margaret River, Busselton, Capel and Bunbury Local Government areas; all offshore islands; surf breaks with National Surfing Reserve status²

^{1 -} Biolandscape: A geographical area of 5x5 km with a particular set of fauna, flora and ecological communities present. 2 - First order priorities are in **bold**, second order in *italics*.

6.2.4 Managing Biodiversity threats and assets

A concise overview of recommended actions for managing biodiversity threats is outlined below. These actions have been developed using Project Planning Matrices (PPMs), providing a central and clearly prioritised framework for relevant Monitoring, Evaluation, Reporting and Improvement programs.

Climate change

- Climate change and its impact on rainfall and temperature is perhaps the most significant risk factor across Terrestrial, Aquatic and Coastal Biodiversity assets. Increasing awareness and impact mitigation are critical management actions.
- The 2014 iteration of the South West NRM Plan included extensive modelling of the relative risk levels of decreasing rainfall and increasing temperature for each of the region's key assets, and remains a critical input into the prioritisation of these assets. Further details are included in Appendix B.

Habitat loss

- Protect all remnant native vegetation particularly for ecological communities that are listed as threatened, or in areas where high proportions of native vegetation have been cleared, including coastal and estuarine vegetation complexes.
- Address the threats to remnant habitat often subject to multiple threats including secondary salinity,
 disease, inappropriate fire regimes, weeds, grazing by livestock, introduced herbivores and/or over abundant
 native herbivores, sedimentation of aquatic and estuarine habitats, over-harvesting of marine and estuarine
 species and excess extraction of surface or ground water.
- Prepare for emerging biosecurity threats such as myrtle rust that, if established in the region, has the potential to cause significant degradation of habitat and the loss of highly susceptible flora species.
- Undertake coastal risk planning and mitigation to reduce, as much as possible, the impact of sea level rise on coastal and estuarine vegetation communities.
- Propagate via seed collection or cloning key plant populations to service biodiverse revegetation and give
 consideration to feeding preferences of threatened species.

Introduced species

- Reduce the impacts of introduced species through integrated action at the local and landscape scale. Control measures need to consider operating at both levels as projects that purely focus on local actions are unlikely to have significant long-term impacts on reducing this threatening process.
- Avoid creating opportunity for invasive species. Consider the interactions between invasive species whereby controlling one species may release another from control and create additional problems.

Inappropriate fire regimes

- Manage the amount of fuel present in the landscape which can impact the intensity and spread of wildfires when they
- Maintain a mosaic of fire ages. As both fire intensity and frequency impacts on vegetation associations, maintaining a mosaic of varying fire ages across the landscape is critical for the conservation of biodiversity.

Diseases and pathogens

- Recommended actions to address the impacts of various diseases and pathogens are specific to each. The
 threat to flora is of particular concern for biodiversity in the region. Some pathogens such as Phytophthora
 cinnamomi, the cause of dieback, are introduced and others such as Quambalaria coyrecup, the cause of marri
 canker, are native but are having increasing impacts because of changing climatic and environmental
 conditions.
- Provide community education and maintain surveillance to detect incursions. Myrtle rust is one of the most serious
 emerging threats. Present across the eastern seaboard of Australia, this pathogen is having devastating impacts
 on susceptible species and is dramatically changing ecosystems.
- Advocate that Government do more to mitigate the impact of marine ballast carrying invasive species and diseases. This is an under-reported and increasing threat to marine ecosystems.

Pollution

- Reduce the use and runoff of fertiliser from agricultural land to mitigate eutrophication and ground water pollution, which are serious threats to our coastal and marine assets.
- Build community awareness to avoid the creation of marine debris, such as discarded fishing line and plastic bait wrapping. Increasing levels of marine debris are a serious threat to marine life and seabirds.
- Ocean acidification is largely caused by increasing carbon dioxide levels in the atmosphere and so outside the reach of local management actions.

6.3 Land Resources

6.3.1 Overview

Agriculture is the single largest land use in the south west NRM region, covering 55% of the total land area. The region's reliable winter rainfall supports a diverse range of crops and pasture–fed livestock enterprises, despite its ancient and relatively infertile soils. In total, >5,000 farm businesses and some 18,000 smaller landholdings contribute >\$1 billion to the economy 4, making agriculture and its use of the land a key social and economic resource for the region. However, the overall health and productive capacity of the soils underpinning agriculture has been declining steadily over the past decades, exacerbated by the changing climate.

A federally–funded priority outcome for the region is that over the period mid–2018 to mid–2023, actions taken will increase awareness and adoption of land management practices that improve and protect the condition of soil, biodiversity and vegetation.

South West NRM's federally-funded programs receiving investment over this period aim to increase vegetation and biodiversity on-farms.

6.3.2 Key threats

1. Declining soil health

- Soil acidity
- Water repellence
- Compaction
- Decreasing soil carbon

2. Drought

- Dryland salinity
- · Weeds, pests and diseases
- Decreasing numbers of beneficial insects
- · Biosecurity threats from new introduced species

3. Climate Change

6.3.3 Specified Assets

The following soil-landscape zones have been identified at the regional level based on the level of threat, manageability and their alignment to State and National priorities:

- Bassendean Zone
- Eastern Darling Range Zone
- Perth Coastal Zone
- Pinjarra Zone
- Southern Zone of Rejuvenated Drainage
- Warren-Denmark Southland Zone
- Western Darling Range Zone

2030 Aspiration for Land Resources

The land is healthier and more resilient as land managers understand the value of their natural capital, manage it sustainably and are adept at responding to ongoing impacts of climate change.

6.3.4 Managing Land Resources threats and assets

The recommended actions have been determined through use of the Project Planning Matrices. The following recommended actions have been identified as being the priorities for investment:

Sustainable farm management

- Expand the use of perennial, native and salt-land pastures and vegetation on-farm. Improve fertiliser and
 chemical management on-farm to reduce the amounts used and associated negative impacts and
 support the use of biological alternatives. Implement field trials, demonstrations and workshops to
 support the adoption of best management practices targeting grazing management, soil compaction, soil
 biological activity, water repellence, surface water management and water use efficiency.
- Investigate the potential of 'Natural Capital Accounting' as a tool to promote sustainable management practices.

Integrated Pest Management (IPM)

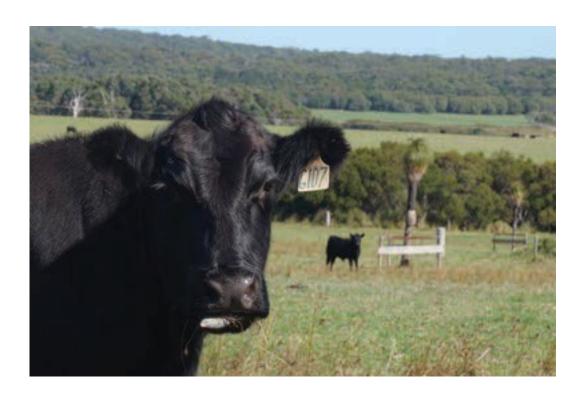
 Promote and support IPM practices to improve management of pests and diseases in agricultural crops and reduce the impact of pesticide use on beneficial insects, including pollinators. IPM is the combination of multiple control methods for pests including the use of physical, biological, chemical and cultural techniques. The combination of multiple control methods greatly improves the efficacy of control measures and reduces the risks of adaptation by the pest to individual control measures.

Agricultural land and biodiversity

- Undertake revegetation and promote and support revegetation programs that improve biodiversity by providing habitat and food sources, for example through the inclusion of pollinator-friendly plants in planting mixes and support for riparian revegetation work targeting groundwater recharge.
- Implement relevant community awareness programs.

Managing the effects of climate variability on land resources

- Promote and support adaptive responses to the effects of a drying and warming climate, including financial reward for farmers to improve biodiversity on-farm and tackle salinity.
- Promote and support carbon farming initiatives that benefit farmers and also result in benefits to on-farm natural resources



6.4 Water Resources

6.4.1 Overview

Water resources includes the waterways, wetlands and estuaries of the South West NRM region. They provide a range of ecosystem services including:

- Biodiversity values of the waterways themselves
- Provision of nursery habitat and drought refuges
- Water quality maintenance
- Recreational, aesthetic, cultural and spiritual values
- Water for all social and economic activities
- Tourism.

2030 Aspiration for Water Resources

Water quality is greatly increased and water resources are sustainably accessible in the quantities required to support ecosystems and communities, through community and industry understanding water is a precious resource and managing it effectively.

Many of the water resources of the region are significant, with three wetlands designated of international importance as Ramsar wetlands. A further 46 are listed as being nationally significant, with 210 being regionally significant.

A federally–funded priority outcome for the region is that over the period mid–2018 to mid–2023, actions taken will restore and protect the ecological character of Ramsar sites. South West NRM's federally–funded programs receiving investment over this period focus on ecosystem improvement of the following Ramsar wetlands; Toolibin Lake, the Vasse–Wonnerup System and the Muir–Byenup System.

6.4.2 Key threats

- 1. Salinity
- 2. Eutrophication
- 3. Acidification
- 4. Excess extraction of surface and/or ground water
- 5. Sedimentation
- 6. Decreasing runoff and water availability linked to changing climate



⁵ https://www.awe.gov.au/water/wetlands/australian-wetlands-database/directory-important-wetlands (accessed 05/01/2022)

6.4.3 Specified Assets

The following assets have been identified at the SW regional level based on the level of threat, manageability and their alignment to State and National priorities.

1. Lakes, wetlands and estuaries

- Broadwater
- Hardy Inlet
- Lake Jasper/Gingilup-Jasper wetland system
- Leschenault Estuary
- Muir-Byenup system
- Toolibin Lake
- Vasse-Wonnerup Estuary

2. Rivers

- Capel
- Deep
- Donnelly
- Lower Blackwood (river and estuary High Ecological Value Aquatic Ecosystems (HEVAE-listed)
- Lower Scott
- Preston
- Shannon
- Warren
- All streams of the Leeuwin Ridge

All waterways for which management actions have been developed as part of Water Quality Improvement Plans and all waterways leading into the wetlands and estuaries listed above.

6.4.4 Managing Water Resources threats and assets

The recommended actions have been determined through use of the Project Planning Matrices. The following recommended actions have been identified as priorities for investment:

Reinstate Natural Waterways

Revegetation and groundcover management programs in and around water resources, focusing on activities
in the upper catchments of priority systems and that target biodiversity loss, eutrophication, sedimentation
and salinity.

Maintain and improve ground water within the region

• Increase perennial vegetation in agricultural areas.

Improve urban stormwater management and water use efficiency

• Support Local Governments in the development and implementation of projects that support Water Sensitive Urban Design (WSUD) activities or promote water use efficiency and awareness.

Manage the effects of climate variability on water resources

Adaptive responses to the effects of climate variability on water resources, through flooding, inundation and drought.

Case Study: EPBC-Listed Ramsar Wetland - Vasse-Wonnerup System

Long term management of South West Wetlands of International Significance.

The aims of this project are to control weeds and reduce garden nutrient runoff to the Vasse-Wonnerup wetlands.



Project Partners: South West NRM, GeoCatch Department of Biodiversity, Conservation and Attractions (DBCA) Department of Water and Environment Regulation (DWER)

6.5 Developing successful funding applications

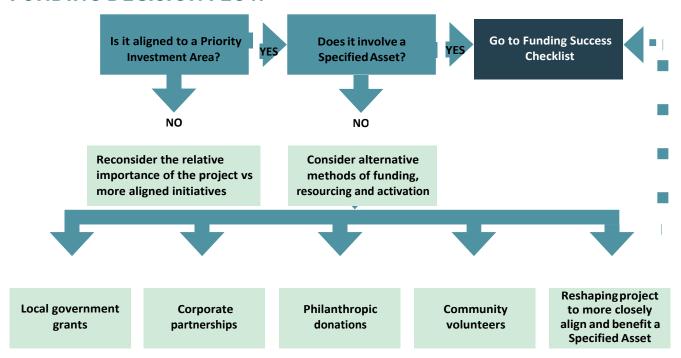
The preceding sections will enable NRM groups to quickly and easily identify how to best align their efforts and major initiatives to the overarching priorities of the plan.

Given most of the available funding is contingent on demonstrating strong alignment, we have designed a simple process to assist groups step through and identify priority projects and initiatives. Our recommended approach for funding applications is in two-steps: first, check for alignment and second, optimise the chances of success.

6.5.1 Check for alignment

Once you have a basic idea of what you are looking to get funding for, you will need to check that it aligns to this plan and its priorities.

FUNDING DECISION FLOW



Alternative methods of funding, resourcing and activation include:

• Local government grants

Partnership with Local Governments to better integrate local environmental priorities into their community-determined local government Community Strategic Plans can lead to grants and ongoing funding for targeted, measurable, high impact local initiatives.

• Commercial partnerships

There are emerging opportunities for partnerships with business on well-structured local projects. Being clear about the project focus, rationale and outcomes can help you identify which of these may be most suitable for a partnership proposal.

• Philanthropic donations

As with commercial partners, there are grant organisations and individuals looking to donate or partner with NRM groups. Again, clarity in scope and outcomes will be critical.

Community volunteers

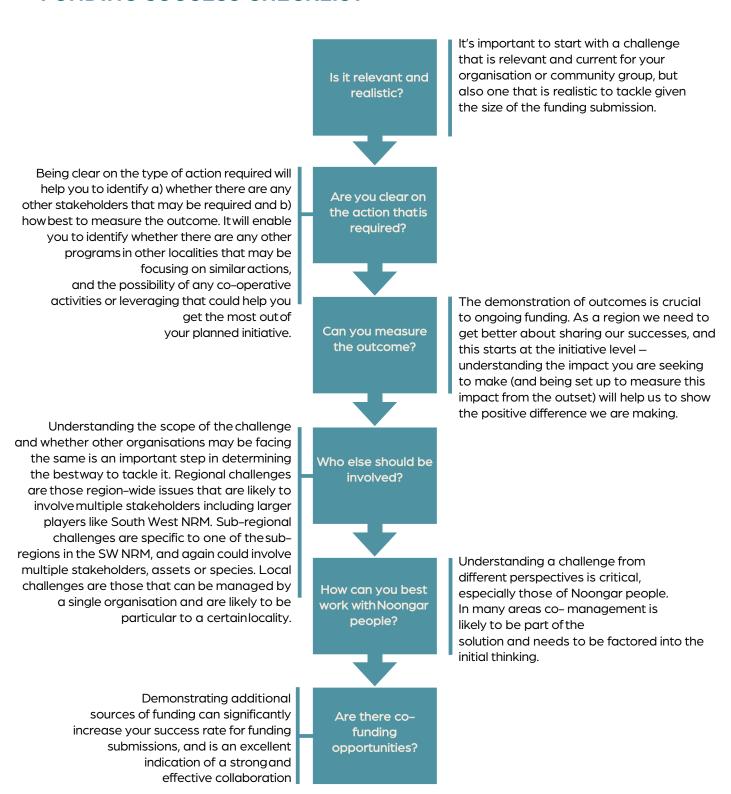
Engaging and activating a base of local community volunteer support can help projects become viable in the absence of funding or other resourcing.

Reshaping the project to align more closely with and benefit a Specified Asset
 Highlighting that a Specific Asset may benefit and making it central to the project design can help to increase alignment to the plan as well as open up additional funding sources, including State or Government grants.

6.5.2 Optimise your chances of success

The Funding Success Checklist will help you to develop funding applications that demonstrate strong alignment and high potential to make a realistic, positive and measurable impact on our Priority Investment Areas.

FUNDING SUCCESS CHECKLIST



7. Indicators of Success

Ecosystems are multi-faceted by their nature and NRM initiatives seeking to influence them have the added complexity of social and economic factors to consider. Successful outcomes are often contingent on being able to achieve a sizeable scale of action. Patience is also required, as the lag from actions being implemented to realising environmental outcomes can be many years. Consequently, we have not prescribed set metrics or targets to indicate the success of our plan. Instead, we will use a traffic light system based on a range of relevant measures. Green will indicate a positive trend against previous measures, yellow a neutral trend, and red a negative trend.

The exact measures to be used and their impact on the overall rating will be determined by South West NRM at the end of each Commonwealth Government funding period. The measures will relate to the nature of what was funded in that period (from Commonwealth and other sources) and will be subject to the programs delivered including the capture of relevant data. In this way we will be able to perform an overall assessment of progress that is properly matched to operating and funding realities, changing stakeholder landscapes and the aggregate activities of the NRM community across the region.

As we have highlighted in the previous section, being able to measure the outcomes of specific initiatives is critical to demonstrating the impact of project investments, and in turn enables a stronger case to be made for future funding. We all need to contribute to make this work by including indicators for measurement into project design and sharing the outcomes of projects to make it easy to consolidate and share across the region.



The diagram below shows the different metrics that could form part of such a plan dashboard:

LEVEL OF FUNDING

- Level of Commonwealth and State Government funding available for NRM projects
- Growth rates in funding from non-Government sources vs Government

WORKING WITH NOONGAR PEOPLE

- Number of Noongar employees of NRM organisations
- Number of NRM projects integrating traditional knowledge
- Number of landholders incorporating traditional knowledge into management practices
- Noongar Corporations partner survey perception of working with SW NRM groups

REGIONAL CAPACITY

- Community survey NRM awareness, perceptions and actions
- Partner survey perception of SW NRM groups' expertise and impact
- · Volunteer hours committed
- Number of school incursions / excursions

BIODIVERSITY

- Habitat loss rates
- Species counts for threatened species
- Species counts for pests or invasive species
- Hectares of each native vegetation type
- Targeted pathogen counts

LAND RESOURCES

- · Soil health
- Take-up of private landowner participation programs
- Implementation of farm plans
- Number of Local Governments integrating NRM into land use planning

WATER RESOURCES

- Water quality
- Counts of native vertebrates/invertebrates
- Health of riverine/wetland vegetation
- · Modification to hydrology

TRAFFIC LIGHT INDICATOR BASED ON TRENDS OVER TIME



8. Building Regional Capacity

- Key Collaborations

2030 Aspiration for Regional Capacity

The value and importance of natural resources to daily life is appreciated by the broader community. The NRM industry and broader community understand and commit to sustainable actions under changing climatic conditions.

Organisations working in NRM are typically highly networked and a collaborative approach underpins successful outcomes. There are many stakeholders in the NRM industry performing a wide variety of roles such as:

- Provision of funds
- Governance
- Project planning expertise
- Scientific subject matter input
- Owners of Traditional Knowledge
- Advocacy on NRM issues
- Access to landholders and other community groups.

The mosaic of relationships extends across MPs and Government agencies at a Commonwealth, State and Local level. Beyond government it includes universities and other research organisations, the agricultural industry and increasingly corporates from other industries seeking to meet environmental, social and governance (ESG) objectives, as well as community groups and philanthropists. Against this backdrop, Noongar communities and landholders in the region are key NRM stakeholders and project partners.

South West NRM is unusual amongst the 54 regions of Australia in being an Association comprised of the following groups:

- Blackwood Basin Group Inc.
- Blackwood Environment Society
- Dumbleyung Landcare Inc.
- Geocatch
- Katanning Landcare
- Leschenault Catchment Council
- Lower Blackwood Landcare
- Nature Conservation Margaret River Region
- Southern Forests Community Landcare

South West NRM's partners on projects that are live in 2021 include CSIRO, Australian National University, Curtin University, University of Western Australia, Murdoch University, Avocados Australia, Grower Group Alliance WA, BirdLife, the Aboriginal Corporations of Badgebup, Gnowangerup and Woollkabunning Kiaka, Undalup Association, FAWNA Inc, Threshold Environmental, DAWE, DPIRD, DWER, DBCA and Market Advisory Group. This is a non-exhaustive list as South West NRM works also with many others, such as independent subject-matter experts, and is in discussion with a wider range of potential partners. Each Association Member also has its own extensive network of project partners.

At the State level, the South West NRM region sits alongside six other NRM regions in WA. These organisations collaborate continuously to influence and carry out work that achieves positive landscape–scale change. Mirrored at the national level, South West NRM is a participant in the work of NRM Regions Australia.

In developing this plan, South West NRM consulted widely with representatives from Association Members, other community Landcare groups, the Noongar community, State agencies, Local Government, the agricultural industry and landholders. In-depth interviews and workshops were conducted to ascertain any updates required to priority assets and threatening processes identified in the Plan 2014–2020 and to seek input on useability of the existing plan and how it could be improved.

9. South West NRM's Role in the Plan

South West NRM is proud to play a unique role across the region, facilitating the development of this plan and helping to connect the stakeholders who make the plan work. There are three "whole of region" activities that we will undertake to support the success of the plan.

Champion

We will champion our plan to other NRM regions across the State and across Australia, sharing our knowledge and successes and learning from others. We will represent our consolidated thinking to state and national government stakeholders, and maintain a strong stakeholder network across all key participants in our NRM success.

Connect

No single organisation can do this alone. At different times and in different ways we will all be better off sharing a problem, an approach or a solution. Our role is to look for opportunities to connect different stakeholders and build on the networks within the region for a stronger, more aligned and more successful NRM industry.

Communicate

With an undertaking this large, with many different stakeholders involved, it won't always be easy to measure how we're going. We will communicate our progress, our successes and our learnings on a regular basis, so that the plan becomes a more dynamic and active document rather than a static document we come together to review once every five years. It needs to be much more than that and we all have a strong role to play to help that happen.

What can you do?

In return, there are several things you can do. First, read this document carefully and apply the frameworks and decision–making flows to your initiatives. Second, please do talk to us if you have any questions or comments. Third, share your successes with us – if we put out a call to see how your strategies are going, please respond so we can incorporate it into our communications. Finally, please get involved. South West NRM is an association of members, and we are only as strong as the strength of that membership. If you haven't considered joining before, it's the perfect time to get on board and help to shape Regional NRM thinking and focus.

The more we all work together, the stronger our NRM region will be and the stronger case we can continue to make for funding, partnerships and a voice that will continue to be heard.

Sally Wilkinson

Chief Executive Officer

South West NRM

Appendix A List of reference documents

The following strategies, plans and documents have all informed the plan.

General

Australian Pest Animal Strategy 2017-2027

https://www.agriculture.gov.au/sites/default/files/sitecollectiondocuments/pests-diseases-weeds/consultation/apas-final.docx

Australian State of Environment Report

https://soe.environment.gov.au/

Australian Weeds Strategy 2017-2027

https://www.agriculture.gov.au/sites/default/files/sitecollectiondocuments/pests-diseases-weeds/consultation/aws-final.docx

Department of Parks and Wildlife - Leeuwin-Naturaliste capes area parks and reserves Management Plan 81, 2015

https://www.dpaw.wa.gov.au/images/documents/parks/management-plans/decarchive/Leeuwin-Naturaliste management plan 2015 WEB.pdf

Department of Parks and Wildlife – Wheatbelt Region parks and reserves Management Plan 95, 2021

https://www.dpaw.wa.gov.au/images/Wheatbelt%20Region%20Parks%20and%20Reserves%20Management%20Plan%20201.pdf

National Landcare Program Regional Land Partnerships Program Logic

http://www.nrm.gov.au/system/files/resources/9a92edba-aa2f-48ee-81fe-48c4ed47708f/files/rlp-program-logic.pdf

Strategies of South West NRM's sub-regional landcare/NRM groups

WA Climate Policy

https://www.wa.gov.au/sites/default/files/2020-12/Western Australian Climate Policy.pdf

Western Australian Natural Resource Management Framework 2018

https://www.wa.gov.au/sites/default/files/2020-08/final - western australian natural resource management framework 2018 2 %20%281%29.pdf

Biodiversity

Increasing knowledge to mitigate cat impacts on biodiversity

https://wabsi.org.au/wp-content/uploads/2020/04/WABSI Mitigating-cat-impacts FINAL.pdf

Threat Abatement Plan for Predation by Feral Cats

https://www.wa.gov.au/sites/default/files/2020-12/Western Australian Climate Policy.pdf

Threatened Species Strategy 2021 – 2031

https://www.environment.gov.au/biodiversity/threatened/publications/threatened-species-strategy-2021-2031

Threatened Species Action Plan 2021-2026 (in development)

 $\underline{https://www.environment.gov.au/biodiversity/threatened/publications/threatened-species-strategy-2021-2031\#action}$

Western Australian Feral Pig Strategy 2020-2025

https://www.agric.wa.gov.au/sites/gateway/files/WA%20Feral%20Pig%20Strategy%202020-2025 1.pdf

Land Resources

National Soil Strategy

https://www.agriculture.gov.au/sites/default/files/documents/national-soil-strategy.pdf

Report card on sustainable natural resource use in agriculture in Western Australia

https://researchlibrary.agric.wa.gov.au/cgi/viewcontent.cgi?article=1013&context=books

WA Salinity Strategy

https://www.dpaw.wa.gov.au/images/conservation-management/salinity/salinity-strategy.pdf

Western Australian Soil Health Strategy (currently in draft)

https://www.agric.wa.gov.au/sites/gateway/files/Soil%20Health%20Strategy REVISED v12 C lores.pdf

Water Resources

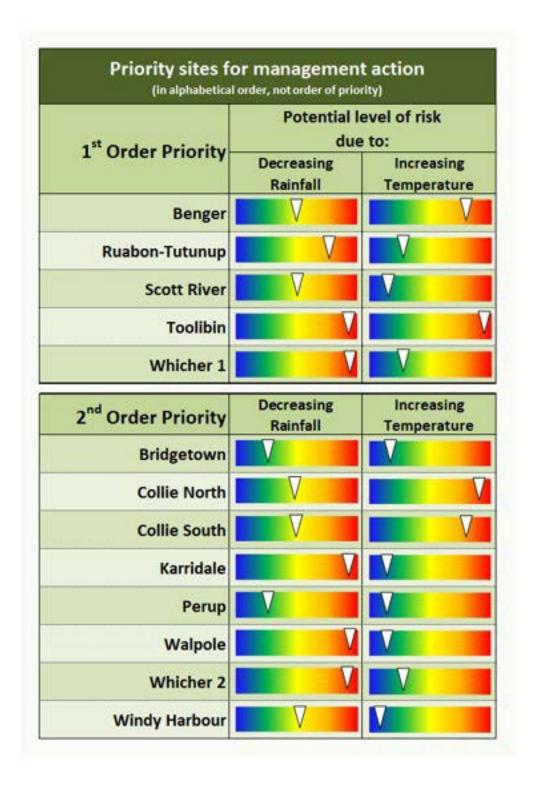
Water Quality Improvement Plans

https://www.water.wa.gov.au/water-topics/waterways/managing-our-waterways2/water-quality-improvement-plans-wqips

Appendix B

Predicted threat of reduced rainfall and increased temperatures on Priority Investment Areas

Predicted severity of decreasing rainfall and increasing temperatures on the priority terrestrial biodiversity assets of the South West NRM Region:



Predicted severity of decreasing rainfall and increasing temperatures on the priority aquatic biodiversity assets of the South West NRM Region:

Priority sites for management action (in alphabetical order, not order of priority)			
First Order Priority		Predicted level of risk due to:	
	First Order Filolity		Increasing Temperature
	Balston's Pygmy Perch	∇	
	Black Striped Minnow	V	V
Aquatic species	Margaret River Burrowing Crayfish	V	V
Aquatic species	Orange-bellied frog	V	V
	White-bellied frog	V	V
	Hairy Marron	V	\ <u>\</u>
Wetlands	Vasse-Wonnerup (Ramsar wetland)	V	V
wellands	Muir-Byenup (Ramsar wetland)	V	V
Estuaries	Les chenault Estuary	V	V
Estuaries	Harvey Estuary	V	V
	Waterways leading into above wetlands & estuaries	Risk variable depe	ending on location
	Deep River	V	V
	Donnelly River	∇	
Waterways	Margaret River	V	V
	Shannon River	V	V
	Ellen, Milyeannup & Wilyabrup Brooks	V	V
	Poison Gully	V	
Lakes	La ke Jasper	V	V
Other	Commercial aquaculture	Risk variable depe	ending on location
		Predicted I	evel of risk
S	econd Order Priority	due	to:
		Decreasing Rainfall	In creasing Temperature
	Western Mud Minnow	V	V
Aquatic Species	Pouched Lamprey	V	V
Table Species	All other endemic freshwater fish, crayfish and jelly fish species	Risk variable depe	ending on location
	Leschenault in let	V	V
Estuaries	Hardy Inlet	V	V
	Broke Inlet	V	V
	Gardner River	V	V
	Meerup River	V	V
	Chapman Creek	V	
Waterways	McLeod Creek	∇	
	Rushy Creek	V	

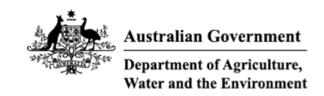
Predicted severity of decreasing rainfall and increasing temperatures on the priority water resources of the South West NRM Region:

	(in alphabetical order, not order of pr		ovel of rick
First Order Priority		Predicted level of risk due to:	
		Decreasing Rainfall	In creasing Temperature
	Broadwat er		
	Hardy Inlet		
	Harvey Estuary	V	V
Lakes, wetlands and estuaries	Lake Jasper & the Gingilup-Jasper wetland system	V	V
andestuaries	Leschenault Estuary		
	Muir-Byenup System	V	V
	Lake Preston (E side)	V	V
	Capel River	V	V
	Donnelly River	V	V
	Deep River	V	V
	Lower Blackwood River	V	V
	Lower Scott River		V
Waterways	Preston River	V	V
•	Shannon River	V	V
	Warren River		V
	Streams of the Leeuwin Ridge	<u> </u>	V
	Poison Gully	V	V
	All waterways leading into wetlands & estuaries listed above	Risk variable depe	ending on location
		Predicted level of risk	
	Second Order Priority	Decreasing Rainfall	Increasing Temperature
	Western Mud Minnow		
Aquatic Species	Pouched Lamprey	7	V
quaric species	All other endemic freshwater fish, crayfish and jellyfish species	Risk variable depending on location	
	Leschenault inlet	V	V
	Hardy inlet	V	V
Estuaries		V	V
Estuaries	Broke In let		7
Estuaries	Broke Inlet Gardner River	V	V
Estuaries		V	Ť
	Gardner River	V V	Ž
Estuaries Waterways	Gardner River Meerup River	V V	V (
	Gardner River Meerup River Chapman Creek	V V V V V V V V V V V V V V V V V V V	V

Predicted severity of decreasing rainfall and increasing temperatures on the priority land resources of the South West NRM Region:

Priority sites for management action (in alphabetical order, not order of priority)				
	Dutanika Cika	Predicted le due		
Priority Sites		Decreasing Rainfall	Increasing Temperature	
	Bassendean Zone	V—V	V-V	
	Coastal Dune Zone	V—V	VV	
	Eastern Darling Range Zone		V V	
	Pinjarra Zone	V-V	▽	
Soil-Landscape Zones	Scott Coastal Zone	V—V	V	
	Southern Zone of Rejuvenated Drainage	V—V	V	
	South Western Ancient Drainage Zone	7—7	7	
	Warren-Denmark Southland Zone	V—V	V—V	
	Western Darling Range Zone	V	7	

Appendix C EPBC Act Protected Matters Report



EPBC Act Protected Matters Report

This report provides general guidance on matters of national environmental significance and other matters protected by the EPBC Act in the area you have selected. Please see the caveat for interpretation of information provided here.

Report created: 26-May-2022

Summary

Details

Matters of NES

Other Matters Protected by the EPBC Act

Extra Information

Caveat

Acknowledgements

Summary

Matters of National Environment Significance

This part of the report summarises the matters of national environmental significance that may occur in, or may relate to, the area you nominated. Further information is available in the detail part of the report, which can be accessed by scrolling or following the links below. If you are proposing to undertake an activity that may have a significant impact on one or more matters of national environmental significance then you should consider the <u>Administrative Guidelines on Significance</u>.

World Heritage Properties:	None
National Heritage Places:	None
Wetlands of International Importance (Ramsar	4
Great Barrier Reef Marine Park:	None
Commonwealth Marine Area:	1
Listed Threatened Ecological Communities:	14
Listed Threatened Species:	167
Listed Migratory Species:	72

Other Matters Protected by the EPBC Act

This part of the report summarises other matters protected under the Act that may relate to the area you nominated. Approval may be required for a proposed activity that significantly affects the environment on Commonwealth land, when the action is outside the Commonwealth land, or the environment anywhere when the action is taken on Commonwealth land. Approval may also be required for the Commonwealth or Commonwealth agencies proposing to take an action that is likely to have a significant impact on the

The EPBC Act protects the environment on Commonwealth land, the environment from the actions taken on Commonwealth land, and the environment from actions taken by Commonwealth agencies. As heritage values of a place are part of the 'environment', these aspects of the EPBC Act protect the Commonwealth Heritage values of a Commonwealth Heritage place. Information on the new heritage laws can be found at http://www.environment.gov.au/heritage

A <u>permit</u> may be required for activities in or on a Commonwealth area that may affect a member of a listed threatened species or ecological community, a member of a listed migratory species, whales and other cetaceans, or a member of a listed marine species.

Commonwealth Lands:	139
Commonwealth Heritage Places:	1
Listed Marine Species:	103
Whales and Other Cetaceans:	32
Critical Habitats:	None
Commonwealth Reserves Terrestrial:	None
Australian Marine Parks:	9
Habitat Critical to the Survival of Marine Turtles:	None

Extra Information

This part of the report provides information that may also be relevant to the area you have

State and Territory Reserves:	373
Regional Forest Agreements:	1
Nationally Important Wetlands:	15
EPBC Act Referrals:	250
Key Ecological Features (Marine):	2
Biologically Important Areas:	19
Bioregional Assessments:	None
Geological and Bioregional Assessments:	None

Details

Matters of National Environmental Significance

Wetlands of International Importance (Ramsar Wetlands)	<u> Resource Information </u>
Ramsar Site Name	Proximity
Muir-byenup system	Within Ramsar site
Peel-yalgorup system	Within Ramsar site
Toolibin lake (also known as lake toolibin)	Within Ramsar site
Vasse-wonnerup system	Within Ramsar site

Commonwealth Marine Area

[Resource Information]

Approval is required for a proposed activity that is located within the Commonwealth Marine Area which has, will have, or is likely to have a significant impact on the environment. Approval may be required for a proposed action taken outside a Commonwealth Marine Area but which has, may have or is likely to have a significant impact on the environment in the Commonwealth Marine Area.

Feature Name

EEZ and Territorial Sea

Listed Threatened Ecological Communities

[Resource Information]

For threatened ecological communities where the distribution is well known, maps are derived from recovery plans, State vegetation maps, remote sensing imagery and other sources. Where threatened ecological community distributions are less well known, existing vegetation maps and point location data are used to produce indicative distribution maps.

Status of Vulnerable. Disallowed and Ineligible are not MNES under the EPBC Act.

Status of Vulnerable, Disallowed and Ineligible are not MNES under the EPBC Act.			
Community Name	Threatened Category	Presence Text	
Aquatic Root Mat Community 1 in Caves of the Leeuwin Naturaliste Ridge	Endangered	Community known to occur within area	
Aquatic Root Mat Community 2 in Caves of the Leeuwin Naturaliste Ridge	Endangered	Community known to occur within area	
Aquatic Root Mat Community 3 in Caves of the Leeuwin Naturaliste Ridge	Endangered	Community known to occur within area	
Aquatic Root Mat Community 4 in Caves of the Leeuwin Naturaliste Ridge	Endangered	Community known to occur within area	
Banksia Woodlands of the Swan Coastal Plain ecological community	Endangered	Community likely to occur within area	
Clay Pans of the Swan Coastal Plain	Critically Endangered	Community likely to	

Details

occur within area

Community Name	Threatened Category	Presence Text
Corymbia calophylla - Xanthorrhoea preissii woodlands and shrublands of the Swan Coastal Plain	Endangered	Community known to occur within area
Eucalypt Woodlands of the Western Australian Wheatbelt	Critically Endangered	Community likely to occur within area
Perched Wetlands of the Wheatbelt region with extensive stands of living sheoak and paperbark across the lake floor (Toolibin Lake)	Endangered	Community known to occur within area
Proteaceae Dominated Kwongkan Shrublands of the Southeast Coastal Floristic Province of Western Australia	Endangered	Community may occur within area
Scott River Ironstone Association	Endangered	Community likely to occur within area
Shrublands on southern Swan Coastal Plain ironstones	Endangered	Community likely to occur within area
Subtropical and Temperate Coastal Saltmarsh	Vulnerable	Community likely to occur within area
Tuart (Eucalyptus gomphocephala) Woodlands and Forests of the Swan Coastal Plain ecological community	Critically Endangered	Community likely to occur within area

Listed Threatened Species		[Resource Information]
Status of Conservation Dependent and Number is the current name ID.	Extinct are not MNES und	ler the EPBC Act.
Scientific Name	Threatened Category	Presence Text
BIRD		
Anous tenuirostris melanops		
Australian Lesser Noddy [26000]	Vulnerable	Species or species habitat may occur within area
Botaurus poiciloptilus		
Australasian Bittern [1001]	Endangered	Species or species habitat known to occur within area
Calidris canutus		
Red Knot, Knot [855]	Endangered	Species or species habitat known to occur within area
Calidris ferruginea		

Curlew Sandpiper [856]

Critically Endangered

Species or species habitat known to occur within area

Scientific Name	Threatened Category	Presence Text
<u>Calidris tenuirostris</u> Great Knot [862]	Critically Endangered	Foraging, feeding or related behaviour known to occur within area
Calyptorhynchus banksii naso Forest Red-tailed Black-Cockatoo, Karrak [67034]	Vulnerable	Species or species habitat known to occur within area
Charadrius leschenaultii Greater Sand Plover, Large Sand Plover [877]	Vulnerable	Species or species habitat known to occur within area
<u>Charadrius mongolus</u> Lesser Sand Plover, Mongolian Plover [879]	Endangered	Foraging, feeding or related behaviour known to occur within area
<u>Diomedea amsterdamensis</u> Amsterdam Albatross [64405]	Endangered	Species or species habitat may occur within area
<u>Diomedea dabbenena</u> Tristan Albatross [66471]	Endangered	Species or species habitat may occur within area
<u>Diomedea epomophora</u> Southern Royal Albatross [89221]	Vulnerable	Species or species habitat may occur within area
<u>Diomedea exulans</u> Wandering Albatross [89223]	Vulnerable	Foraging, feeding or related behaviour likely to occur within area
<u>Diomedea sanfordi</u> Northern Royal Albatross [64456]	Endangered	Species or species habitat may occur within area
Falco hypoleucos Grey Falcon [929]	Vulnerable	Species or species habitat may occur within area
<u>Halobaena caerulea</u> Blue Petrel [1059]	Vulnerable	Species or species habitat may occur within area

Scientific Name	Threatened Category	Presence Text
Leipoa ocellata Malleefowl [934]	Vulnerable	Species or species habitat known to occur within area
Limosa lapponica menzbieri Northern Siberian Bar-tailed Godwit, Russkoye Bar-tailed Godwit [86432]	Critically Endangered	Species or species habitat known to occur within area
Macronectes giganteus Southern Giant-Petrel, Southern Giant Petrel [1060]	Endangered	Species or species habitat may occur within area
Macronectes halli Northern Giant Petrel [1061]	Vulnerable	Foraging, feeding or related behaviour likely to occur within area
Numenius madagascariensis Eastern Curlew, Far Eastern Curlew [847]	Critically Endangered	Species or species habitat known to occur within area
Pachyptila turtur subantarctica Fairy Prion (southern) [64445]	Vulnerable	Species or species habitat known to occur within area
Pezoporus occidentalis Night Parrot [59350]	Endangered	Species or species habitat may occur within area
Phoebetria fusca Sooty Albatross [1075]	Vulnerable	Species or species habitat likely to occur within area
Pterodroma mollis Soft-plumaged Petrel [1036]	Vulnerable	Foraging, feeding or related behaviour known to occur within area
Rostratula australis Australian Painted Snipe [77037]	Endangered	Species or species habitat likely to occur within area
Sternula nereis nereis Australian Fairy Tern [82950]	Vulnerable	Foraging, feeding or related behaviour known to occur within area

Scientific Name	Threatened Category	Presence Text
Thalassarche carteri	<u> </u>	
Indian Yellow-nosed Albatross [64464]	Vulnerable	Species or species habitat likely to occur within area
Thalassarche cauta Shy Albatross [89224]	Endangered	Foraging, feeding or related behaviour likely to occur within area
Thalassarche impavida Campbell Albatross, Campbell Black-browed Albatross [64459]	Vulnerable	Species or species habitat may occur within area
Thalassarche melanophris Black-browed Albatross [66472]	Vulnerable	Foraging, feeding or related behaviour likely to occur within area
Thalassarche steadi White-capped Albatross [64462]	Vulnerable	Species or species habitat may occur within area
Zanda baudinii listed as Calyptorhynchus	s baudinii	
Baudin's Black-Cockatoo, Long-billed Black-cockatoo [87736]	Endangered	Breeding known to occur within area
7		
Zanda latirostris listed as Calyptorhynchu Carnaby's Black Cockatoo, Short-billed Black-cockatoo [87737]		Breeding known to occur within area
CRUSTACEAN		
Cherax tenuimanus		
Hairy Marron, Margaret River Hairy Marron, Margaret River Marron [78931]	Critically Endangered	Species or species habitat known to occur within area
Engaewa pseudoreducta Margaret River Burrowing Crayfish [82674]	Critically Endangered	Species or species habitat known to occur within area
Engaewa reducta Dunsborough Burrowing Crayfish [82675]	Critically Endangered	Species or species habitat known to occur within area
Engaewa walpolea Walpole Burrowing Crayfish [82676]	Endangered	Species or species habitat known to occur within area

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Scientific Name	Threatened Category	Presence Text
Galaxiella nigrostriata Blackstriped Dwarf Galaxias, Blackstripe Minnow [88677]	Endangered	Species or species habitat known to occur within area
Nannatherina balstoni Balston's Pygmy Perch [66698]	Vulnerable	Species or species habitat known to occur within area
Nannoperca pygmaea Little Pygmy Perch [88315]	Endangered	Species or species habitat known to occur within area
Thunnus maccoyii Southern Bluefin Tuna [69402]	Conservation Dependent	Species or species habitat likely to occur within area
FROG		
Geocrinia alba		
White-bellied Frog, Creek Frog [26181]	Critically Endangered	Species or species habitat known to occur within area
Geocrinia vitellina Orange-bellied Frog [26172]	Vulnerable	Species or species habitat likely to occur within area
Spicospina flammocaerulea Sunset Frog [64782]	Vulnerable	Species or species habitat may occur within area
MAMMAL		
Balaenoptera borealis		
Sei Whale [34]	Vulnerable	Foraging, feeding or related behaviour likely to occur within area
Balaenoptera musculus Blue Whale [36]	Endangered	Species or species habitat likely to occur within area
Balaenoptera physalus Fin Whale [37]	Vulnerable	Foraging, feeding or related behaviour likely to occur within area

Calantifia Nama	Thursday of Catagons	Dragon as Toyd
Scientific Name	Threatened Category	Presence Text
Bettongia penicillata ogilbyi Woylie [66844]	Endangered	Species or species habitat known to occur within area
Dasyurus geoffroii Chuditch, Western Quoll [330]	Vulnerable	Species or species habitat known to occur within area
Eubalaena australis Southern Right Whale [40]	Endangered	Breeding known to occur within area
Macrotis lagotis Greater Bilby [282]	Vulnerable	Translocated population known to occur within area
Myrmecobius fasciatus Numbat [294]	Endangered	Species or species habitat known to occur within area
Neophoca cinerea Australian Sea-lion, Australian Sea Lion [22]	Endangered	Species or species habitat may occur within area
Parantechinus apicalis Dibbler [313]	Endangered	Species or species habitat may occur within area
Phascogale calura Red-tailed Phascogale, Red-tailed Wambenger, Kenngoor [316]	Vulnerable	Species or species habitat known to occur within area
Pseudocheirus occidentalis Western Ringtail Possum, Ngwayir, Womp, Woder, Ngoor, Ngoolangit [25911]	Critically Endangered	Breeding known to occur within area
Setonix brachyurus Quokka [229]	Vulnerable	Species or species habitat known to occur within area
OTHER		
Westralunio carteri Carter's Freshwater Mussel, Freshwater Mussel [86266]	Vulnerable	Species or species habitat known to occur within area
PLANT		

Scientific Name	Threatened Category	Presence Text
Acacia brachypoda Western Wheatbelt Wattle [55594]	Endangered	Species or species habitat known to occur within area
Acacia depressa Echidna Wattle [5685]	Vulnerable	Species or species habitat known to occur within area
Acacia insolita subsp. recurva Yornaning Wattle [64495]	Endangered	Species or species habitat may occur within area
Acacia lanuginophylla Woolly Wattle [55575]	Endangered	Species or species habitat may occur within area
Acacia leptalea Chinocup Wattle [56701]	Endangered	Species or species habitat known to occur within area
Adenanthos pungens subsp. effusus Sprawling Spiky Adenanthos [10742]	Endangered	Species or species habitat known to occur within area
Adenanthos pungens subsp. pungens Spiky Adenanthos [19429]	Vulnerable	Species or species habitat known to occur within area
Andersonia annelsii [84925]	Critically Endangered	Species or species habitat known to occur within area
Andersonia gracilis Slender Andersonia [14470]	Endangered	Species or species habitat known to occur within area
Austrostipa bronwenae [87808]	Endangered	Species or species habitat known to occur within area
Austrostipa jacobsiana [87809]	Critically Endangered	Species or species habitat known to occur within area

Scientific Name	Threatened Category	Presence Text
Banksia mimica Summer Honeypot [82765]	Endangered	Species or species habitat known to occur within area
Banksia nivea subsp. uliginosa Swamp Honeypot [82766]	Endangered	Species or species habitat known to occur within area
Banksia oligantha Wagin Banksia [20697]	Endangered	Species or species habitat known to occur within area
Banksia pseudoplumosa False Plumed-Banksia [82760]	Endangered	Species or species habitat may occur within area
Banksia squarrosa subsp. argillacea Whicher Range Dryandra [82769]	Vulnerable	Species or species habitat known to occur within area
Banksia verticillata Granite Banksia, Albany Banksia, River Banksia [8333]	Vulnerable	Species or species habitat likely to occur within area
Boronia capitata subsp. capitata a shrub [29156]	Endangered	Species or species habitat likely to occur within area
Boronia exilis Scott River Boronia [64844]	Endangered	Species or species habitat known to occur within area
Bossiaea sp. Frankland (E.M.Sandiford E [89794]	EMS 896) Endangered	Species or species habitat known to occur within area
Brachyscias verecundus Ironstone Brachyscias [81321]	Critically Endangered	Species or species habitat known to occur within area
Caladenia bryceana subsp. bryceana Dwarf Spider-orchid [64503]	Endangered	Species or species habitat known to occur within area

Scientific Name	Threatened Category	Presence Text
Caladenia busselliana Bussell's Spider-orchid [24369]	Endangered	Species or species habitat known to occur within area
Caladenia caesarea subsp. maritima Cape Spider-orchid [64856]	Endangered	Species or species habitat known to occur within area
Caladenia christineae Christine's Spider Orchid [56716]	Vulnerable	Species or species habitat known to occur within area
Caladenia dorrienii Cossack Spider-orchid [6596]	Endangered	Species or species habitat likely to occur within area
Caladenia excelsa Giant Spider-orchid [56717]	Endangered	Species or species habitat likely to occur within area
Caladenia harringtoniae Harrington's Spider-orchid, Pink Spider-orchid [56786]	Vulnerable	Species or species habitat known to occur within area
Caladenia hoffmanii Hoffman's Spider-orchid [56719]	Endangered	Species or species habitat known to occur within area
Caladenia huegelii King Spider-orchid, Grand Spider-orchid, Rusty Spider-orchid [7309]	Endangered	Species or species habitat known to occur within area
Caladenia leucochila Collie Spider Orchid [88196]	Endangered	Species or species habitat known to occur within area
Caladenia lodgeana Lodge's Spider-orchid [68664]	Critically Endangered	Species or species habitat known to occur within area
Caladenia luteola Lemon Spider Orchid [68713]	Critically Endangered	Species or species habitat known to occur within area

Scientific Name	Threatened Category	Presence Text
Caladenia procera Carbunup King Spider Orchid [68679]	Critically Endangered	Species or species habitat known to occur within area
Caladenia viridescens Dunsborough Spider-orchid [56776]	Endangered	Species or species habitat known to occur within area
Caladenia winfieldii Majestic Spider-orchid [64504]	Endangered	Species or species habitat known to occur within area
Calectasia cyanea Blue Tinsel Lily [7669]	Critically Endangered	Species or species habitat may occur within area
Calectasia pignattiana Stilted Tinsel Lily [82018]	Vulnerable	Species or species habitat known to occur within area
Chamelaucium sp. S coastal plain (R.D.F. Royce's Waxflower [87814]	Royce 4872) Vulnerable	Species or species habitat known to occur within area
Commersonia apella Many-flowered Commersonia [86877]	Critically Endangered	Species or species habitat known to occur within area
Commersonia erythrogyna Trigwell's Rulingia [86397]	Endangered	Species or species habitat known to occur within area
Conostylis drummondii Drummond's Conostylis [5885]	Endangered	Species or species habitat known to occur within area
Conostylis seorsiflora subsp. trichophylla Hairy Mat Conostylis [13920]	Endangered	Species or species habitat known to occur within area
Conostylis setigera subsp. dasys Boscabel Conostylis [5775]	Critically Endangered	Species or species habitat known to occur within area

Scientific Name	Threatened Category	Presence Text
Darwinia carnea Mogumber Bell, Narrogin Bell [9736]	Endangered	Species or species habitat known to occur within area
Darwinia ferricola Scott River Darwinia [56706]	Endangered	Species or species habitat known to occur within area
<u>Darwinia whicherensis</u> Abba Bell [83193]	Endangered	Species or species habitat known to occur within area
Daviesia elongata subsp. elongata Long-leaved Daviesia [64883]	Vulnerable	Species or species habitat known to occur within area
<u>Daviesia euphorbioides</u> Wongan Cactus [3477]	Endangered	Species or species habitat likely to occur within area
Diuris drummondii Tall Donkey Orchid [4365]	Vulnerable	Species or species habitat known to occur within area
Diuris micrantha Dwarf Bee-orchid [55082]	Vulnerable	Species or species habitat known to occur within area
<u>Diuris purdiei</u> Purdie's Donkey-orchid [12950]	Endangered	Species or species habitat known to occur within area
Drakaea confluens Late Hammer-orchid [56778]	Endangered	Species or species habitat known to occur within area
Drakaea elastica Glossy-leafed Hammer Orchid, Glossy-leaved Hammer Orchid, Warty Hammer Orchid [16753]	Endangered	Species or species habitat known to occur within area
Drakaea micrantha Dwarf Hammer-orchid [56755]	Vulnerable	Species or species habitat known to occur within area

Scientific Name	Threatened Category	Presence Text
<u>Duma horrida subsp. abdita</u> Remote Thorny Lignum [87538]	Critically Endangered	Species or species habitat may occur within area
Eleocharis keigheryi Keighery's Eleocharis [64893]	Vulnerable	Species or species habitat known to occur within area
Eremophila verticillata Whorled Eremophila [7032]	Endangered	Species or species habitat likely to occur within area
Eucalyptus x phylacis Meelup Mallee [87817]	Endangered	Species or species habitat known to occur within area
Gastrolobium argyrotrichum Metricup Pea [89145]	Critically Endangered	Species or species habitat known to occur within area
Gastrolobium lehmannii Cranbrook Pea [22282]	Vulnerable	Species or species habitat known to occur within area
Gastrolobium modestum Broad-leaved Gastrolobium [78361]	Vulnerable	Species or species habitat known to occur within area
Gastrolobium papilio Butterfly-leaved Gastrolobium [78415]	Endangered	Species or species habitat known to occur within area
Goodenia arthrotricha [12448]	Endangered	Species or species habitat known to occur within area
Grevillea acropogon [68272]	Endangered	Species or species habitat known to occur within area
Grevillea brachystylis subsp. australis [55525]	Vulnerable	Species or species habitat likely to occur within area

Scientific Name	Threatened Category	Presence Text
Grevillea brachystylis subsp. grandis Large-flowered Short-styled Grevillea [85001]	Critically Endangered	Species or species habitat known to occur within area
Grevillea elongata Ironstone Grevillea [64578]	Vulnerable	Species or species habitat known to occur within area
Grevillea maccutcheonii McCutcheon's Grevillea [64522]	Endangered	Species or species habitat known to occur within area
Grevillea rara Rare Grevillea [64911]	Endangered	Species or species habitat known to occur within area
Hemigenia ramosissima Branched Hemigenia [18568]	Critically Endangered	Species or species habitat known to occur within area
Jacksonia velveta Collie Jacksonia [82671]	Endangered	Species or species habitat likely to occur within area
Kennedia glabrata Northcliffe Kennedia [16452]	Vulnerable	Species or species habitat likely to occur within area
Kennedia lateritia Augusta Kennedia [45985]	Endangered	Species or species habitat likely to occur within area
Lambertia echinata subsp. occidentalis Western Prickly Honeysuckle [64528]	Endangered	Species or species habitat known to occur within area
<u>Lambertia orbifolia</u> Roundleaf Honeysuckle [15725]	Endangered	Species or species habitat known to occur within area
<u>Leptomeria dielsiana</u> Diels' Currant Bush [5146]	Vulnerable	Species or species habitat known to occur within area

Scientific Name	Threatened Category	Presence Text
Leucopogon sp. Ongerup (A.S. George 1 [85018]	(16682) Vulnerable	Species or species habitat known to occur within area
Microtis globula South-Coast Mignonette Orchid [6780]	Vulnerable	Species or species habitat likely to occur within area
Petrophile latericola Laterite Petrophile [64532]	Endangered	Species or species habitat known to occur within area
Pultenaea pauciflora Narrogin Pea [14013]	Vulnerable	Species or species habitat known to occur within area
Reedia spathacea Reedia [2995]	Critically Endangered	Species or species habitat known to occur within area
Roycea pycnophylloides Saltmat [21161]	Endangered	Species or species habitat likely to occur within area
Sphenotoma drummondii Mountain Paper-heath [21160]	Endangered	Species or species habitat may occur within area
Synaphea sp. Fairbridge Farm (D. Paper Selena's Synaphea [82881]	nfus 696) Critically Endangered	Species or species habitat known to occur within area
Synaphea sp. Pinjarra Plain (A.S. George [86878]	<u>e 17182)</u> Endangered	Species or species habitat known to occur within area
Synaphea sp. Serpentine (G.R. Brand 10 [86879]	03) Critically Endangered	Species or species habitat known to occur within area
Synaphea stenoloba Dwellingup Synaphea [66311]	Endangered	Species or species habitat known to occur within area

Scientific Name	Threatened Category	Presence Text
Tetraria australiensis	•	
Southern Tetraria [10137]	Vulnerable	Species or species habitat known to occur within area
Thelymitra stellata Star Sun-orchid [7060]	Endangered	Species or species habitat known to occur within area
Tribonanthes purpurea Granite Pink [16244]	Vulnerable	Species or species habitat known to occur within area
Verticordia carinata Stirling Range Featherflower [24342]	Vulnerable	Species or species habitat known to occur within area
Verticordia densiflora var. pedunculata Long-stalked Featherflower [55689]	Endangered	Species or species habitat known to occur within area
Verticordia fimbrilepis subsp. fimbrilepis Shy Featherflower [24631]	Endangered	Species or species habitat known to occur within area
Verticordia plumosa var. ananeotes Tufted Plumed Featherflower [23871]	Endangered	Species or species habitat known to occur within area
Verticordia plumosa var. vassensis Vasse Featherflower [55804]	Endangered	Species or species habitat known to occur within area
Verticordia staminosa var. cylindracea Granite Featherflower [55823]	Endangered	Species or species habitat likely to occur within area
Wurmbea calcicola Naturaliste Nancy [64691]	Endangered	Species or species habitat known to occur within area
REPTILE Caretta caretta Loggerhead Turtle [1763]	Endangered	Foraging, feeding or related behaviour known to occur within area

Scientific Name	Threatened Category	Presence Text
Chelonia mydas Green Turtle [1765]	Vulnerable	Foraging, feeding or related behaviour known to occur within area
<u>Dermochelys coriacea</u> Leatherback Turtle, Leathery Turtle, Luth [1768]	Endangered	Breeding likely to occur within area
Natator depressus Flatback Turtle [59257]	Vulnerable	Foraging, feeding or related behaviour known to occur within area
SHARK		
Carcharias taurus (west coast population Grey Nurse Shark (west coast population) [68752]) Vulnerable	Species or species habitat known to occur within area
Carcharodon carcharias White Shark, Great White Shark [64470]	Vulnerable	Foraging, feeding or related behaviour known to occur within area
Galeorhinus galeus School Shark, Eastern School Shark, Snapper Shark, Tope, Soupfin Shark [68453]	Conservation Dependent	Species or species habitat may occur within area
Pristis pristis Freshwater Sawfish, Largetooth Sawfish, River Sawfish, Leichhardt's Sawfish, Northern Sawfish [60756]	Vulnerable	Species or species habitat may occur within area
Rhincodon typus Whale Shark [66680]	Vulnerable	Species or species habitat may occur within area
Sphyrna lewini Scalloped Hammerhead [85267]	Conservation Dependent	Species or species habitat known to occur within area
SPIDER		
Bertmainius tingle Tingle Pygmy Trapdoor Spider [89126]	Endangered	Species or species habitat known to occur within area
Listed Migratory Chasins		[Decourse Information]

Scientific Name	Threatened Category	Presence Text
Chelonia mydas		
Green Turtle [1765]	Vulnerable	Foraging, feeding or
Scientific Name	Threatened Category	Presence Text
Migratory Marine Birds		

Scientific Name	Threatened Category	Presence Text
Anous stolidus Common Noddy [825]		Species or species habitat may occur within area
Apus pacificus Fork-tailed Swift [678]		Species or species habitat likely to occur within area
Ardenna carneipes Flesh-footed Shearwater, Fleshy-footed Shearwater [82404]		Breeding known to occur within area
Ardenna grisea Sooty Shearwater [82651]		Species or species habitat may occur within area
<u>Diomedea amsterdamensis</u> Amsterdam Albatross [64405]	Endangered	Species or species habitat may occur within area
Diomedea dabbenena Tristan Albatross [66471]	Endangered	Species or species habitat may occur within area
<u>Diomedea epomophora</u> Southern Royal Albatross [89221]	Vulnerable	Species or species habitat may occur within area
Diomedea exulans Wandering Albatross [89223]	Vulnerable	Foraging, feeding or related behaviour likely to occur within area
<u>Diomedea sanfordi</u> Northern Royal Albatross [64456]	Endangered	Species or species habitat may occur within area
Hydroprogne caspia Caspian Tern [808]		Breeding known to occur within area
Macronectes giganteus Southern Giant-Petrel, Southern Giant Petrel [1060]	Endangered	Species or species habitat may occur within area

Oniontifia Noma	The section of Cottons with	Duna ana a Taut
Scientific Name	Threatened Category	Presence Text
Macronectes halli Northern Giant Petrel [1061]	Vulnerable	Foraging, feeding or related behaviour likely to occur within area
Onychoprion anaethetus Bridled Tern [82845]		Breeding known to occur within area
Phaethon rubricauda Red-tailed Tropicbird [994]		Breeding known to occur within area
Phoebetria fusca Sooty Albatross [1075]	Vulnerable	Species or species
		habitat likely to occur within area
Thalassarche carteri Indian Yellow-nosed Albatross [64464]	Vulnerable	Species or species
maian renew nesea / abatiess [64464]	Valiforable	habitat likely to occur within area
Thalassarche cauta		
Shy Albatross [89224]	Endangered	Foraging, feeding or related behaviour likely to occur within area
Thalassarche impavida		
Campbell Albatross, Campbell Black- browed Albatross [64459]	Vulnerable	Species or species habitat may occur within area
Thalassarche melanophris		
Black-browed Albatross [66472]	Vulnerable	Foraging, feeding or related behaviour likely to occur within area
Thalassarche steadi		
White-capped Albatross [64462]	Vulnerable	Species or species habitat may occur within area
Migratory Marine Species		
Balaenoptera borealis	No. de la	
Sei Whale [34]	Vulnerable	Foraging, feeding or related behaviour likely to occur within area
Balaenoptera edeni Bryde's Whale [35]		Species or species
Diyues viliale [33]		Species or species habitat may occur within area

Scientific Name	Threatened Category	Drocopos Toyt
	Threatened Category	Presence Text
Balaenoptera musculus Blue Whale [36]	Endangered	Species or species habitat likely to occur within area
Balaenoptera physalus Fin Whale [37]	Vulnerable	Foraging, feeding or related behaviour likely to occur within area
Caperea marginata Pygmy Right Whale [39]		Foraging, feeding or related behaviour likely to occur within area
Carcharhinus longimanus Oceanic Whitetip Shark [84108]		Species or species habitat may occur within area
Carcharodon carcharias White Shark, Great White Shark [64470]	Vulnerable	Foraging, feeding or related behaviour known to occur within area
Caretta caretta Loggerhead Turtle [1763]	Endangered	Foraging, feeding or related behaviour known to occur within area
Chelonia mydas Green Turtle [1765]	Vulnerable	Foraging, feeding or related behaviour known to occur within area
<u>Dermochelys coriacea</u> Leatherback Turtle, Leathery Turtle, Luth [1768]	Endangered	Breeding likely to occur within area
Eubalaena australis as Balaena glacialis a Southern Right Whale [40]	australis Endangered	Breeding known to occur within area
Lagenorhynchus obscurus Dusky Dolphin [43]		Species or species habitat may occur within area
<u>Lamna nasus</u> Porbeagle, Mackerel Shark [83288]		Species or species habitat may occur within area

Scientific Name	Threatened Category	Presence Text
Megaptera novaeangliae Humpback Whale [38]		Foraging, feeding or related behaviour known to occur within area
Mobula alfredi as Manta alfredi Reef Manta Ray, Coastal Manta Ray [90033]		Species or species habitat likely to occur within area
Mobula birostris as Manta birostris Giant Manta Ray [90034]		Species or species habitat likely to occur within area
Natator depressus Flatback Turtle [59257]	Vulnerable	Foraging, feeding or related behaviour known to occur within area
Orcinus orca Killer Whale, Orca [46]		Species or species habitat may occur within area
Physeter macrocephalus Sperm Whale [59]		Species or species habitat may occur within area
Pristis pristis Freshwater Sawfish, Largetooth Sawfish, River Sawfish, Leichhardt's Sawfish, Northern Sawfish [60756]	Vulnerable	Species or species habitat may occur within area
Rhincodon typus Whale Shark [66680]	Vulnerable	Species or species habitat may occur within area
Migratory Terrestrial Species		
Motacilla cinerea Grey Wagtail [642]		Species or species habitat known to occur within area
Migratory Wetlands Species		
Actitis hypoleucos Common Sandpiper [59309]		Species or species habitat known to occur within area

Scientific Name	Threatened Category	Presence Text
Arenaria interpres Ruddy Turnstone [872]		Foraging, feeding or related behaviour known to occur within area
Calidris acuminata Sharp-tailed Sandpiper [874]		Foraging, feeding or related behaviour known to occur within area
Calidris alba Sanderling [875]		Foraging, feeding or related behaviour known to occur within area
Calidris canutus Red Knot, Knot [855]	Endangered	Species or species habitat known to occur within area
Calidris ferruginea Curlew Sandpiper [856]	Critically Endangered	Species or species habitat known to occur within area
Calidris melanotos Pectoral Sandpiper [858]		Species or species habitat known to occur within area
Calidris ruficollis Red-necked Stint [860]		Foraging, feeding or related behaviour known to occur within area
Calidris subminuta Long-toed Stint [861]		Foraging, feeding or related behaviour known to occur within area
Calidris tenuirostris Great Knot [862]	Critically Endangered	Foraging, feeding or related behaviour known to occur within area
Charadrius bicinctus Double-banded Plover [895]		Species or species habitat known to occur within area

Scientific Name	Threatened Category	Presence Text
Charadrius leschenaultii Greater Sand Plover, Large Sand Plover [877]	Vulnerable	Species or species habitat known to occur within area
Charadrius mongolus Lesser Sand Plover, Mongolian Plover [879]	Endangered	Foraging, feeding or related behaviour known to occur within area
Gallinago megala Swinhoe's Snipe [864]		Foraging, feeding or related behaviour likely to occur within area
Gallinago stenura Pin-tailed Snipe [841]		Foraging, feeding or related behaviour likely to occur within area
<u>Limicola falcinellus</u> Broad-billed Sandpiper [842]		Foraging, feeding or related behaviour known to occur within area
<u>Limosa lapponica</u> Bar-tailed Godwit [844]		Species or species habitat known to occur within area
<u>Limosa limosa</u> Black-tailed Godwit [845]		Foraging, feeding or related behaviour known to occur within area
Numenius madagascariensis Eastern Curlew, Far Eastern Curlew [847]	Critically Endangered	Species or species habitat known to occur within area
Numenius minutus Little Curlew, Little Whimbrel [848]		Foraging, feeding or related behaviour likely to occur within area
Numenius phaeopus Whimbrel [849]		Foraging, feeding or related behaviour known to occur within area

Scientific Name	Threatened Category	Presence Text
Pandion haliaetus Osprey [952]		Breeding known to occur within area
Philomachus pugnax Ruff (Reeve) [850]		Foraging, feeding or related behaviour known to occur within area
Pluvialis fulva Pacific Golden Plover [25545]		Foraging, feeding or related behaviour known to occur within area
Thalasseus bergii Greater Crested Tern [83000]		Breeding known to occur within area
Tringa brevipes Grey-tailed Tattler [851]		Foraging, feeding or related behaviour known to occur within area
Tringa glareola Wood Sandpiper [829]		Foraging, feeding or related behaviour known to occur within area
Tringa nebularia Common Greenshank, Greenshank [832]		Species or species habitat known to occur within area
Tringa stagnatilis Marsh Sandpiper, Little Greenshank [833]		Foraging, feeding or related behaviour known to occur within area
<u>Tringa totanus</u> Common Redshank, Redshank [835]		Foraging, feeding or related behaviour known to occur within

area

Other Matters Protected by the EPBC Act

Commonwealth Lands [Resource Information]

The Commonwealth area listed below may indicate the presence of Commonwealth land in this vicinity. Due to the unreliability of the data source, all proposals should be checked as to whether it impacts on a Commonwealth area, before making a definitive decision. Contact the State or Territory government land department for further information.

Commonwealth Land Name	State
Defence Defence - BUNBURY TRAINING DEPOT [50142]	WA
Defence - KATANNING TRAINING DEPOT [50157]	WA
Unknown	
Commonwealth Land - [51990]	WA
Commonwealth Land - [51991]	WA
Commonwealth Land - [51010]	WA
Commonwealth Land - [52046]	WA
Commonwealth Land - [50304]	WA
Commonwealth Land - [50301]	WA
Commonwealth Land - [50956]	WA
Commonwealth Land - [50959]	WA
Commonwealth Land - [50314]	WA
Commonwealth Land - [50957]	WA
Commonwealth Land - [50960]	WA
Commonwealth Land - [51995]	WA
Commonwealth Land - [50813]	WA
Commonwealth Land - [50811]	WA
Commonwealth Land - [50764]	WA
Commonwealth Land - [50360]	WA
Commonwealth Land - [50967]	WA
Commonwealth Land - [50964]	WA
Commonwealth Land - [50963]	WA
Commonwealth Land - [51992]	WA

Commonwealth Land Name	State
Commonwealth Land - [52209]	WA
Commonwealth Land - [52208]	WA
Commonwealth Land - [50830]	WA
Commonwealth Land - [51551]	WA
Commonwealth Land - [51000]	WA
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Commonwealth Land Name	State
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Commonwealth Land Name	State
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Commonwealth Land Name	State
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Commonwealth Land Name	State
Commonwealth Land - [50992]	WA
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Commonwealth Land - [52143]	WA
Commonwealth Land - [51037]	WA
Commonwealth Land - [52216]	WA
Commonwealth Land - [52144]	WA

Commonwealth Heritage Places		<u> Resource</u> <u>Information</u>]
Name	State	Status
Historic		
Cape Leeuwin Lighthouse	WA	Listed place
Listed Marine Species		[Resource Information]
Scientific Name	Threatened Category	Presence Text
Bird		
Actitis hypoleucos		
Common Sandpiper [59309]		Species or species
		habitat known to
		occur within area
Anous stolidus		
Common Noddy [825]		Species or species
		habitat may occur
		within area
Anous tenuirostris melanops		
Australian Lesser Noddy [26000]	Vulnerable	Species or species
		habitat may occur
		within area
Apus pacificus		
Fork-tailed Swift [678]		Species or species
		habitat likely to occur
		within area overfly
		marine area
Ardenna carneipes as Puffinus carneipes	;	
Flesh-footed Shearwater, Fleshy-footed		Breeding known to
Shearwater [82404]		occur within area

Scientific Name	Threatened Category	Presence Text
Ardenna grisea as Puffinus griseus Sooty Shearwater [82651]		Species or species habitat may occur within area
Arenaria interpres Ruddy Turnstone [872]		Foraging, feeding or related behaviour known to occur within area
Bubulcus ibis as Ardea ibis Cattle Egret [66521]		Species or species habitat may occur within area overfly marine area
Calidris acuminata Sharp-tailed Sandpiper [874]		Foraging, feeding or related behaviour known to occur within area
Calidris alba Sanderling [875]		Foraging, feeding or related behaviour known to occur within area
Calidris canutus Red Knot, Knot [855]	Endangered	Species or species habitat known to occur within area overfly marine area
Calidris ferruginea Curlew Sandpiper [856]	Critically Endangered	Species or species habitat known to occur within area overfly marine area
Calidris melanotos Pectoral Sandpiper [858]		Species or species habitat known to occur within area overfly marine area
Calidris ruficollis Red-necked Stint [860]		Foraging, feeding or related behaviour known to occur within area overfly marine area

Scientific Name	Threatened Category	Presence Text
Calidris subminuta		
Long-toed Stint [861]		Foraging, feeding or related behaviour known to occur within area overfly marine area
Calidris tenuirostris Great Knot [862]	Critically Endangered	Foraging, feeding or related behaviour known to occur within area overfly marine area
Chalcites osculans as Chrysococcyx osc	<u>ulans</u>	
Black-eared Cuckoo [83425]		Species or species habitat known to occur within area overfly marine area
Charadrius bicinctus Double-banded Plover [895]		Species or species habitat known to occur within area overfly marine area
Charadrius leschenaultii Greater Sand Plover, Large Sand Plover [877]	Vulnerable	Species or species habitat known to occur within area
Charadrius mongolus Lesser Sand Plover, Mongolian Plover [879]	Endangered	Foraging, feeding or related behaviour known to occur within area
Charadrius ruficapillus Red-capped Plover [881]		Foraging, feeding or related behaviour known to occur within area overfly marine area
Chroicocephalus novaehollandiae as Lar Silver Gull [82326]	rus novaehollandiae	Breeding known to occur within area
<u>Diomedea amsterdamensis</u> Amsterdam Albatross [64405]	Endangered	Species or species habitat may occur within area
<u>Diomedea dabbenena</u> Tristan Albatross [66471]	Endangered	Species or species habitat may occur within area

Scientific Name	Threatened Category	Presence Text
Diomedea epomophora Southern Royal Albatross [89221]	Vulnerable	Species or species habitat may occur within area
Diomedea exulans Wandering Albatross [89223]	Vulnerable	Foraging, feeding or related behaviour likely to occur within area
Diomedea sanfordi Northern Royal Albatross [64456]	Endangered	Species or species habitat may occur within area
Eudyptula minor Little Penguin [1085]		Breeding known to occur within area
Gallinago megala Swinhoe's Snipe [864]		Foraging, feeding or related behaviour likely to occur within area overfly marine area
Gallinago stenura Pin-tailed Snipe [841]		Foraging, feeding or related behaviour likely to occur within area overfly marine area
Haliaeetus leucogaster White-bellied Sea-Eagle [943]		Species or species habitat known to occur within area
Halobaena caerulea Blue Petrel [1059]	Vulnerable	Species or species habitat may occur within area
Himantopus himantopus Pied Stilt, Black-winged Stilt [870]		Foraging, feeding or related behaviour known to occur within area overfly marine area
Hydroprogne caspia as Sterna caspia Caspian Tern [808]		Breeding known to occur within area

Scientific Name	Threatened Category	Presence Text
Larus pacificus		
Pacific Gull [811]		Foraging, feeding or related behaviour known to occur within area
<u>Limicola falcinellus</u>		
Broad-billed Sandpiper [842]		Foraging, feeding or related behaviour known to occur within area overfly marine area
<u>Limosa lapponica</u>		
Bar-tailed Godwit [844]		Species or species habitat known to occur within area
<u>Limosa limosa</u>		
Black-tailed Godwit [845]		Foraging, feeding or related behaviour known to occur within area overfly marine area
Macronectes giganteus		
Southern Giant-Petrel, Southern Giant Petrel [1060]	Endangered	Species or species habitat may occur within area
Macronectes halli		
Northern Giant Petrel [1061]	Vulnerable	Foraging, feeding or related behaviour likely to occur within area
Merops ornatus		
Rainbow Bee-eater [670]		Species or species habitat may occur within area overfly marine area
Motacilla cinerea		
Grey Wagtail [642]		Species or species habitat known to occur within area overfly marine area
Numenius madagascariensis		
Eastern Curlew, Far Eastern Curlew [847]	Critically Endangered	Species or species habitat known to occur within area

Scientific Name	Threatened Category	Presence Text
Numenius minutus Little Curlew, Little Whimbrel [848]		Foraging, feeding or related behaviour likely to occur within area overfly marine area
Numenius phaeopus Whimbrel [849]		Foraging, feeding or related behaviour known to occur within area
Onychoprion anaethetus as Sterna anae Bridled Tern [82845]	<u>thetus</u>	Breeding known to occur within area
Onychoprion fuscatus as Sterna fuscata Sooty Tern [90682]		Breeding known to occur within area
Pachyptila turtur Fairy Prion [1066]		Species or species habitat known to occur within area
Pandion haliaetus Osprey [952]		Breeding known to occur within area
Pelagodroma marina White-faced Storm-Petrel [1016]		Breeding known to occur within area
Phaethon rubricauda Red-tailed Tropicbird [994]		Breeding known to occur within area
Philomachus pugnax Ruff (Reeve) [850]		Foraging, feeding or related behaviour known to occur within area overfly marine area
Phoebetria fusca Sooty Albatross [1075]	Vulnerable	Species or species habitat likely to occur within area
Pluvialis fulva Pacific Golden Plover [25545]		Foraging, feeding or related behaviour known to occur within area

Scientific Name	Threatened Category	Presence Text
Pterodroma mollis Soft-plumaged Petrel [1036]	Vulnerable	Foraging, feeding or related behaviour known to occur within area
Puffinus assimilis Little Shearwater [59363]		Breeding known to occur within area
Red-necked Avocet [871]		Foraging, feeding or related behaviour known to occur within area overfly marine area
Rostratula australis as Rostratula bengh Australian Painted Snipe [77037]	alensis (sensu lato) Endangered	Species or species habitat likely to occur within area overfly marine area
Stercorarius skua as Catharacta skua Great Skua [823]		Species or species habitat may occur within area
Sternula nereis as Sterna nereis Fairy Tern [82949]		Breeding known to occur within area
Thalassarche carteri Indian Yellow-nosed Albatross [64464]	Vulnerable	Species or species habitat likely to occur within area
Thalassarche cauta Shy Albatross [89224]	Endangered	Foraging, feeding or related behaviour likely to occur within area
Thalassarche impavida Campbell Albatross, Campbell Black-browed Albatross [64459]	Vulnerable	Species or species habitat may occur within area
Thalassarche melanophris Black-browed Albatross [66472]	Vulnerable	Foraging, feeding or related behaviour likely to occur within area

Scientific Name	Threatened Category	Presence Text
Thalassarche steadi White-capped Albatross [64462]	Vulnerable	Species or species habitat may occur within area
Thalasseus bergii as Sterna bergii Greater Crested Tern [83000]		Breeding known to occur within area
Thinornis cucullatus as Thinornis rubrico Hooded Dotterel, Hooded Plover [87735		Species or species habitat known to occur within area overfly marine area
Tringa brevipes as Heteroscelus brevipe Grey-tailed Tattler [851]	<u>es</u>	Foraging, feeding or related behaviour known to occur within area
Tringa glareola Wood Sandpiper [829]		Foraging, feeding or related behaviour known to occur within area overfly marine area
Tringa nebularia Common Greenshank, Greenshank [832]		Species or species habitat known to occur within area overfly marine area
Tringa stagnatilis Marsh Sandpiper, Little Greenshank [833]		Foraging, feeding or related behaviour known to occur within area overfly marine area
Tringa totanus Common Redshank, Redshank [835]		Foraging, feeding or related behaviour known to occur within area overfly marine area
Fish		
Acentronura australe Southern Pygmy Pipehorse [66185]		Species or species habitat may occur within area

Scientific Name	Threatened Category	Presence Text
Campichthys galei		
Gale's Pipefish [66191]		Species or species habitat may occur within area
Heraldia nocturna Upside-down Pipefish, Eastern Upside-down Pipefish, Eastern Upside-down Pipefish [66227]		Species or species habitat may occur within area
Hippocampus angustus Western Spiny Seahorse, Narrow-bellied Seahorse [66234]		Species or species habitat may occur within area
Hippocampus breviceps Short-head Seahorse, Short-snouted Seahorse [66235]		Species or species habitat may occur within area
Hippocampus subelongatus West Australian Seahorse [66722]		Species or species habitat may occur within area
Histiogamphelus cristatus Rhino Pipefish, Macleay's Crested		Species or species
Pipefish, Ring-back Pipefish [66243]		habitat may occur within area
Leptoichthys fistularius		
Brushtail Pipefish [66248]		Species or species habitat may occur within area
Lissocampus caudalis		
Australian Smooth Pipefish, Smooth Pipefish [66249]		Species or species habitat may occur within area
<u>Lissocampus fatiloquus</u> Prophet's Pipefish [66250]		Species or species
		habitat may occur within area
<u>Lissocampus runa</u> Javelin Pipefish [66251]		Species or species
		habitat may occur within area
Maroubra perserrata		
Sawtooth Pipefish [66252]		Species or species habitat may occur within area

Scientific Name	Threatened Category	Presence Text
Mitotichthys meraculus Western Crested Pipefish [66259]		Species or species habitat may occur within area
Nannocampus subosseus Bonyhead Pipefish, Bony-headed Pipefish [66264]		Species or species habitat may occur within area
Notiocampus ruber Red Pipefish [66265]		Species or species habitat may occur within area
Phycodurus eques Leafy Seadragon [66267]		Species or species habitat may occur within area
Phyllopteryx taeniolatus Common Seadragon, Weedy Seadragon [66268]		Species or species habitat may occur within area
Pugnaso curtirostris Pugnose Pipefish, Pug-nosed Pipefish [66269]		Species or species habitat may occur within area
Solegnathus lettiensis Gunther's Pipehorse, Indonesian Pipefish [66273]		Species or species habitat may occur within area
Stigmatopora argus Spotted Pipefish, Gulf Pipefish, Peacock Pipefish [66276]		Species or species habitat may occur within area
Stigmatopora nigra Widebody Pipefish, Wide-bodied Pipefish, Black Pipefish [66277]		Species or species habitat may occur within area
Urocampus carinirostris Hairy Pipefish [66282]		Species or species habitat may occur within area
Vanacampus margaritifer Mother-of-pearl Pipefish [66283]		Species or species habitat may occur within area

Scientific Name Vanacampus phillipi	Threatened Category	Presence Text
Port Phillip Pipefish [66284]		Species or species habitat may occur within area
Vanacampus poecilolaemus Longsnout Pipefish, Australian Long- snout Pipefish, Long-snouted Pipefish [66285]		Species or species habitat may occur within area
Mammal		
Arctocephalus forsteri Long-nosed Fur-seal, New Zealand Fur-seal [20]		Breeding known to occur within area
Neophoca cinerea Australian Sea-lion, Australian Sea Lion [22]	Endangered	Species or species habitat may occur within area
Reptile		
Caretta caretta		
Loggerhead Turtle [1763]	Endangered	Foraging, feeding or related behaviour known to occur within area
Chelonia mydas		
Green Turtle [1765]	Vulnerable	Foraging, feeding or related behaviour known to occur within area
Dermochelys coriacea Leatherback Turtle, Leathery Turtle, Luth [1768]	Endangered	Breeding likely to occur within area
Natator depressus Flatback Turtle [59257]	Vulnerable	Foraging, feeding or related behaviour known to occur within area
Whales and Other Cetaceans		[Resource Information]
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Whales and Other Cetaceans		[Resource Information]
Current Scientific Name	Status	Type of Presence
Mammal		
Balaenoptera acutorostrata		
Minke Whale [33]		Species or species habitat may occur within area
Balaenoptera borealis Sei Whale [34]	Vulnerable	Foraging, feeding or related behaviour

Scientific Name

Threatened Category

Presence Text

Vanacampus phillipi

Port Phillip Pipefish [66284]

Species or species habitat may occur likely to occur within area area

Current Scientific Name	Status	Type of Presence
Balaenoptera edeni Bryde's Whale [35]		Species or species habitat may occur within area
Balaenoptera musculus Blue Whale [36]	Endangered	Species or species habitat likely to occur within area
Balaenoptera physalus Fin Whale [37]	Vulnerable	Foraging, feeding or related behaviour likely to occur within area
Berardius arnuxii Arnoux's Beaked Whale [70]		Species or species habitat may occur within area
Caperea marginata Pygmy Right Whale [39]		Foraging, feeding or related behaviour likely to occur within area
Delphinus delphis Common Dolphin, Short-beaked Common Dolphin [60]		Species or species habitat may occur within area
Eubalaena australis Southern Right Whale [40]	Endangered	Breeding known to occur within area
Feresa attenuata Pygmy Killer Whale [61]		Species or species habitat may occur within area
Globicephala macrorhynchus Short-finned Pilot Whale [62]		Species or species habitat may occur within area
Globicephala melas Long-finned Pilot Whale [59282]		Species or species habitat may occur within area
Grampus griseus Risso's Dolphin, Grampus [64]		Species or species habitat may occur within area

Current Scientific Name	Status	Type of Presence
Kogia breviceps		
Pygmy Sperm Whale [57]		Species or species habitat may occur within area
Kogia sima as Kogia simus Dwarf Sperm Whale [85043]		Species or species habitat may occur within area
<u>Lagenorhynchus obscurus</u> Dusky Dolphin [43]		Species or species habitat may occur within area
<u>Lissodelphis peronii</u> Southern Right Whale Dolphin [44]		Species or species habitat may occur within area
Megaptera novaeangliae Humpback Whale [38]		Foraging, feeding or related behaviour known to occur within area
Mesoplodon bowdoini Andrew's Beaked Whale [73]		Species or species habitat may occur within area
Mesoplodon densirostris Blainville's Beaked Whale, Densebeaked Whale [74]		Species or species habitat may occur within area
Mesoplodon grayi Gray's Beaked Whale, Scamperdown Whale [75]		Species or species habitat may occur within area
Mesoplodon hectori Hector's Beaked Whale [76]		Species or species habitat may occur within area
Mesoplodon layardii Strap-toothed Beaked Whale, Strap-toothed Whale, Layard's Beaked Whale [25556])	Species or species habitat may occur within area
Mesoplodon mirus True's Beaked Whale [54]		Species or species habitat may occur

within area

Current Scientific Name	Status	Type of Presence
Orcinus orca Killer Whale, Orca [46]		Species or species habitat may occur within area
Peponocephala electra Melon-headed Whale [47]		Species or species habitat may occur within area
Physeter macrocephalus Sperm Whale [59]		Species or species habitat may occur within area
Stenella attenuata Spotted Dolphin, Pantropical Spotted Dolphin [51]		Species or species habitat may occur within area
Stenella coeruleoalba Striped Dolphin, Euphrosyne Dolphin [52]		Species or species habitat may occur within area
Tursiops aduncus Indian Ocean Bottlenose Dolphin, Spotted Bottlenose Dolphin [68418]		Species or species habitat likely to occur within area
Tursiops truncatus s. str. Bottlenose Dolphin [68417]		Species or species habitat may occur within area
Ziphius cavirostris Cuvier's Beaked Whale, Goose-beaked Whale [56]		Species or species habitat may occur within area

Australian Marine Parks	Resource Information]
Park Name	Zone & IUCN Categories
Geographe	Habitat Protection Zone (IUCN IV)
Geographe	Multiple Use Zone (IUCN VI)
Geographe	National Park Zone (IUCN II)
South-west Corner	National Park Zone (IUCN II)
South-west Corner	National Park Zone (IUCN II)

Park Name	Zone & IUCN Categories
South-west Corner	Special Purpose Zone (IUCN VI)
Geographe	Special Purpose Zone (Mining Exclusion) (IUCN VI)
South-west Corner	Special Purpose Zone (Mining Exclusion) (IUCN VI)
South-west Corner	Special Purpose Zone (Mining Exclusion) (IUCN VI)

Extra Information

State and Territory Reserves			Resource Information]
Protected Area Name	Reserve Type	State	
Alco	Nature Reserve	WA	
Arthur River	Nature Reserve	WA	
Ballast Pit	Nature Reserve	WA	
Beaufort Bridge	Nature Reserve	WA	
Benger Swamp	Nature Reserve	WA	
Birdwhistle	Nature Reserve	WA	
Birdwood	Nature Reserve	WA	
Blackbutt	Conservation Park	WA	
Blackwood River	National Park	WA	
Bockaring	Nature Reserve	WA	
Bokan	Nature Reserve	WA	
Bokarup	Nature Reserve	WA	
Boolading	Nature Reserve	WA	
Boorara-Gardner	National Park	WA	
Boundain	Nature Reserve	WA	
Boyndaminup	National Park	WA	
Bramley	National Park	WA	
Broadwater	Nature Reserve	WA	

Protected Area Name	Reserve Type	State
Brockman	National Park	WA
Brooks	Nature Reserve	WA
Broomehill	Nature Reserve	WA
Buchanan	Nature Reserve	WA
Byrd Swamp	Nature Reserve	WA
Capel	Nature Reserve	WA
Capercup Road North	Nature Reserve	WA
Carmody	Nature Reserve	WA
Carrolup	Nature Reserve	WA
Casuarina	Nature Reserve	WA
Chatham Island	Nature Reserve	WA
Cherry Tree Pool	Nature Reserve	WA
Chester	Nature Reserve	WA
Claypit	Nature Reserve	WA
Cobertup	Nature Reserve	WA
Coblinine	Nature Reserve	WA
Concaring	Nature Reserve	WA
Coomelberrup	Nature Reserve	WA
Cootayerup	Nature Reserve	WA
Corneecup	Nature Reserve	WA
Cowerup	Nature Reserve	WA
Coyrecup	Nature Reserve	WA
Cronin	Nature Reserve	WA
Culbin	Nature Reserve	WA
D'Entrecasteaux	National Park	WA
Dalgarup	National Park	WA
Dardanup	Conservation Park	WA

Protected Area Name	Reserve Type	State
Dead Mans Swamp	Nature Reserve	WA
Dingerlin	Nature Reserve	WA
Dongolocking	Nature Reserve	WA
Donnelly River	Nature Reserve	WA
Donnybrook Boyup Brook Road	Nature Reserve	WA
Dulbining	Nature Reserve	WA
Dumbleyung Lake	Nature Reserve	WA
Eastbrook	Nature Reserve	WA
East Collanilling	Nature Reserve	WA
Easter	National Park	WA
Faunadale	Nature Reserve	WA
Fish Road	Nature Reserve	WA
Flagstaff	Nature Reserve	WA
Flinders Bay	Nature Reserve	WA
Forest Grove	National Park	WA
Galamup	Nature Reserve	WA
Gingilup Swamps	Nature Reserve	WA
Gloucester	National Park	WA
Gnarkaryelling	Nature Reserve	WA
Greater Beedelup	National Park	WA
Greater Dordagup	National Park	WA
Greater Hawke	National Park	WA
Greater Kingston	National Park	WA
Greater Preston	National Park	WA
Greenbushes	Nature Reserve	WA
Gundaring Lake	Nature Reserve	WA
Haag	Nature Reserve	WA

Protected Area Name	Reserve Type	State
Haddleton	Nature Reserve	WA
Haddleton Springs	Nature Reserve	WA
Hamelin Island	Nature Reserve	WA
Harrismith	Nature Reserve	WA
Hester	Conservation Park	WA
Highbury	Nature Reserve	WA
Hilliger	National Park	WA
Hillman	Nature Reserve	WA
Hobart Road	Nature Reserve	WA
Hurdle Creek	Nature Reserve	WA
Ibis Lake	Nature Reserve	WA
Jaloran	Nature Reserve	WA
Jane	National Park	WA
Jingalup	Nature Reserve	WA
Johns Well	Nature Reserve	WA
Kerr	Conservation Park	WA
King Rock	Nature Reserve	WA
Kodjinup	Nature Reserve	WA
Kojonup	Conservation Reserve	WA
Korijekup	Conservation Park	WA
Kulikup	Nature Reserve	WA
Kulunilup	Nature Reserve	WA
Lake Muir	National Park	WA
Lake Muir	Nature Reserve	WA
Lane Poole Reserve	5(1)(g) Reserve	WA
Lavender	Nature Reserve	WA
Leeuwin-Naturaliste	National Park	WA

Protected Area Name	Reserve Type	State
Leschenault Peninsula	Conservation Park	WA
Locke	Nature Reserve	WA
Mallee Plain	Nature Reserve	WA
Manning Road	Nature Reserve	WA
Maragoonda	Nature Reserve	WA
Martinup	Nature Reserve	WA
McDougall	Nature Reserve	WA
Merilup	Nature Reserve	WA
Mettabinup	Nature Reserve	WA
Milyeannup	National Park	WA
Mininup	Nature Reserve	WA
Miripin	Nature Reserve	WA
Moojebing	Nature Reserve	WA
Moornaming	Nature Reserve	WA
Morangarel	Nature Reserve	WA
Mount Frankland	National Park	WA
Mount Frankland North	National Park	WA
Mount Frankland South	National Park	WA
Mount Pleasant	Nature Reserve	WA
Mount Roe	National Park	WA
Muja	Conservation Park	WA
Murapin	Nature Reserve	WA
Nallian	Nature Reserve	WA
Narlingup	Nature Reserve	WA
Ngari Capes	Marine Park	WA
Ngopitchup	Nature Reserve	WA
Nollajup	Nature Reserve	WA

Protected Area Name	Reserve Type	State
Noobijup	Nature Reserve	WA
North Wagin	Nature Reserve	WA
North Yilliminning	Nature Reserve	WA
NTWA Bushland covenant (0003)	Conservation Covenant	WA
NTWA Bushland covenant (0004)	Conservation Covenant	WA
NTWA Bushland covenant (0007A)	Conservation Covenant	WA
NTWA Bushland covenant (0007B)	Conservation Covenant	WA
NTWA Bushland covenant (0012)	Conservation Covenant	WA
NTWA Bushland covenant (0013)	Conservation Covenant	WA
NTWA Bushland covenant (0016)	Conservation Covenant	WA
NTWA Bushland covenant (0018)	Conservation Covenant	WA
NTWA Bushland covenant (0022)	Conservation Covenant	WA
NTWA Bushland covenant (0028)	Conservation Covenant	WA
NTWA Bushland covenant (0029)	Conservation Covenant	WA
NTWA Bushland covenant (0030)	Conservation Covenant	WA
NTWA Bushland covenant (0031)	Conservation Covenant	WA
NTWA Bushland covenant (0033)	Conservation Covenant	WA
NTWA Bushland covenant (0036)	Conservation Covenant	WA
NTWA Bushland covenant (0037)	Conservation Covenant	WA
NTWA Bushland covenant (0041)	Conservation Covenant	WA
NTWA Bushland covenant (0044A)	Conservation Covenant	WA
NTWA Bushland covenant (0044B)	Conservation Covenant	WA
NTWA Bushland covenant (0044C)	Conservation Covenant	WA
NTWA Bushland covenant (0049)	Conservation Covenant	WA
NTWA Bushland covenant (0063)	Conservation Covenant	WA
NTWA Bushland covenant (0065A)	Conservation Covenant	WA
NTWA Bushland covenant (0065B)	Conservation Covenant	WA

Protected Area Name	Reserve Type	State
NTWA Bushland covenant (0069)	Conservation Covenant	WA
NTWA Bushland covenant (0071)	Conservation Covenant	WA
NTWA Bushland covenant (0072A)	Conservation Covenant	WA
NTWA Bushland covenant (0072B)	Conservation Covenant	WA
NTWA Bushland covenant (0085A)	Conservation Covenant	WA
NTWA Bushland covenant (0085B)	Conservation Covenant	WA
NTWA Bushland covenant (0090)	Conservation Covenant	WA
NTWA Bushland covenant (0092)	Conservation Covenant	WA
NTWA Bushland covenant (0095)	Conservation Covenant	WA
NTWA Bushland covenant (0098)	Conservation Covenant	WA
NTWA Bushland covenant (0099)	Conservation Covenant	WA
NTWA Bushland covenant (0100)	Conservation Covenant	WA
NTWA Bushland covenant (0102)	Conservation Covenant	WA
NTWA Bushland covenant (0103)	Conservation Covenant	WA
NTWA Bushland covenant (0107)	Conservation Covenant	WA
NTWA Bushland covenant (0108)	Conservation Covenant	WA
NTWA Bushland covenant (0112)	Conservation Covenant	WA
NTWA Bushland covenant (0113)	Conservation Covenant	WA
NTWA Bushland covenant (0116A)	Conservation Covenant	WA
NTWA Bushland covenant (0116B)	Conservation Covenant	WA
NTWA Bushland covenant (0117)	Conservation Covenant	WA
NTWA Bushland covenant (0124)	Conservation Covenant	WA
NTWA Bushland covenant (0125)	Conservation Covenant	WA
NTWA Bushland covenant (0130)	Conservation Covenant	WA
NTWA Bushland covenant (0138)	Conservation Covenant	WA
NTWA Bushland covenant (0144)	Conservation Covenant	WA
NTWA Bushland covenant (0146)	Conservation Covenant	WA

Protected Area Name	Reserve Type	State
NTWA Bushland covenant (0147)	Conservation Covenant	WA
NTWA Bushland covenant (0148)	Conservation Covenant	WA
NTWA Bushland covenant (0149)	Conservation Covenant	WA
NTWA Bushland covenant (0150)	Conservation Covenant	WA
NTWA Bushland covenant (0152)	Conservation Covenant	WA
NTWA Bushland covenant (0155)	Conservation Covenant	WA
NTWA Bushland covenant (0164)	Conservation Covenant	WA
NTWA Bushland covenant (0168)	Conservation Covenant	WA
NTWA Bushland covenant (0173)	Conservation Covenant	WA
NTWA Bushland covenant (0175)	Conservation Covenant	WA
Ockley	Nature Reserve	WA
Pagett	Nature Reserve	WA
Parkeyerring	Nature Reserve	WA
Pindicup	Nature Reserve	WA
Pinticup	Nature Reserve	WA
Powlalup	Nature Reserve	WA
Quagering	Nature Reserve	WA
Quindinup	Nature Reserve	WA
Quongunnerunding	Nature Reserve	WA
Rapids	Conservation Park	WA
Red Hill	Nature Reserve	WA
Ruabon Townsite	Nature Reserve	WA
Sabina	Nature Reserve	WA
Sandalwood Block Timber Reserve	5(1)(g) Reserve	WA
Scott	National Park	WA
Seal Island (WA25645)	Nature Reserve	WA
Shannon	National Park	WA

Protected Area Name	Reserve Type	State
Sir James Mitchell	National Park	WA
Six Mile Road	Nature Reserve	WA
Smith Brook	Nature Reserve	WA
South Jingalup	Nature Reserve	WA
St Alouarn Island	Nature Reserve	WA
Stockdill Road	Nature Reserve	WA
Strathmore Hill	Nature Reserve	WA
Sugar Loaf Rock	Nature Reserve	WA
Sussex Location 2561	NRS Addition - Gazettal in Progress	WA
Taarblin Lake	Nature Reserve	WA
Tarin Rock	Nature Reserve	WA
Tone-Perup	Nature Reserve	WA
Toolibin	Nature Reserve	WA
Towerrining	Nature Reserve	WA
Trigwell	Nature Reserve	WA
Tuart Forest	National Park	WA
Unicup	Nature Reserve	WA
Unnamed WA01333	Conservation Park	WA
Unnamed WA01703	5(1)(h) Reserve	WA
Unnamed WA02087	Nature Reserve	WA
Unnamed WA02184	Nature Reserve	WA
Unnamed WA03249	Nature Reserve	WA
Unnamed WA03412	5(1)(g) Reserve	WA
Unnamed WA05339	Nature Reserve	WA
Unnamed WA05796	Nature Reserve	WA
Unnamed WA08910	5(1)(h) Reserve	WA

Protected Area Name	Reserve Type	State
Unnamed WA09847	Nature Reserve	WA
Unnamed WA10335	5(1)(h) Reserve	WA
Unnamed WA10731	Nature Reserve	WA
Unnamed WA10793	Nature Reserve	WA
Unnamed WA10930	Nature Reserve	WA
Unnamed WA11962	5(1)(h) Reserve	WA
Unnamed WA11993	5(1)(g) Reserve	WA
Unnamed WA12645	Nature Reserve	WA
Unnamed WA12952	5(1)(h) Reserve	WA
Unnamed WA13102	Nature Reserve	WA
Unnamed WA13438	Nature Reserve	WA
Unnamed WA14459	Nature Reserve	WA
Unnamed WA14567	Nature Reserve	WA
Unnamed WA15061	Nature Reserve	WA
Unnamed WA15185	Nature Reserve	WA
Unnamed WA15787	Nature Reserve	WA
Unnamed WA15788	Nature Reserve	WA
Unnamed WA15855	Nature Reserve	WA
Unnamed WA16787	Nature Reserve	WA
Unnamed WA16901	Nature Reserve	WA
Unnamed WA17519	National Park	WA
Unnamed WA19068	Nature Reserve	WA
Unnamed WA19075	Nature Reserve	WA
Unnamed WA19080	Nature Reserve	WA
Unnamed WA19081	Nature Reserve	WA
Unnamed WA19085	Nature Reserve	WA
Unnamed WA19086	Nature Reserve	WA

Protected Area Name	Reserve Type	State
Unnamed WA19119	Nature Reserve	WA
Unnamed WA19161	Nature Reserve	WA
Unnamed WA19412	Nature Reserve	WA
Unnamed WA20435	5(1)(g) Reserve	WA
Unnamed WA20479	Nature Reserve	WA
Unnamed WA20751	5(1)(g) Reserve	WA
Unnamed WA20985	Nature Reserve	WA
Unnamed WA20987	5(1)(g) Reserve	WA
Unnamed WA21064	Nature Reserve	WA
Unnamed WA22247	Nature Reserve	WA
Unnamed WA22482	5(1)(h) Reserve	WA
Unnamed WA24057	Nature Reserve	WA
Unnamed WA24282	Nature Reserve	WA
Unnamed WA24647	5(1)(h) Reserve	WA
Unnamed WA24707	Nature Reserve	WA
Unnamed WA24770	Nature Reserve	WA
Unnamed WA24827	Nature Reserve	WA
Unnamed WA25274	5(1)(h) Reserve	WA
Unnamed WA25696	Nature Reserve	WA
Unnamed WA25697	Nature Reserve	WA
Unnamed WA25836	Nature Reserve	WA
Unnamed WA26005	Nature Reserve	WA
Unnamed WA26065	Nature Reserve	WA
Unnamed WA26158	Nature Reserve	WA
Unnamed WA26238	Nature Reserve	WA
Unnamed WA26620	Nature Reserve	WA
Unnamed WA27481	Nature Reserve	WA

Protected Area Name	Reserve Type	State
Unnamed WA28549	Nature Reserve	WA
Unnamed WA29589	Nature Reserve	WA
Unnamed WA29777	Nature Reserve	WA
Unnamed WA29906	Nature Reserve	WA
Unnamed WA30394	Nature Reserve	WA
Unnamed WA31621	Nature Reserve	WA
Unnamed WA32663	Nature Reserve	WA
Unnamed WA35163	Nature Reserve	WA
Unnamed WA37237	5(1)(g) Reserve	WA
Unnamed WA38731	Nature Reserve	WA
Unnamed WA39199	5(1)(h) Reserve	WA
Unnamed WA39399	Nature Reserve	WA
Unnamed WA40035	Nature Reserve	WA
Unnamed WA40552	5(1)(h) Reserve	WA
Unnamed WA40564	Nature Reserve	WA
Unnamed WA40910	Nature Reserve	WA
Unnamed WA41568	Nature Reserve	WA
Unnamed WA41597	Nature Reserve	WA
Unnamed WA41826	5(1)(g) Reserve	WA
Unnamed WA42377	Nature Reserve	WA
Unnamed WA42879	Nature Reserve	WA
Unnamed WA42942	Nature Reserve	WA
Unnamed WA43031	Nature Reserve	WA
Unnamed WA43056	Nature Reserve	WA
Unnamed WA43282	Nature Reserve	WA
Unnamed WA43286	Nature Reserve	WA
Unnamed WA43464	Nature Reserve	WA

Protected Area Name	Reserve Type	State
Unnamed WA44676	5(1)(h) Reserve	WA
Unnamed WA44705	5(1)(g) Reserve	WA
Unnamed WA44709	5(1)(h) Reserve	WA
Unnamed WA44838	Nature Reserve	WA
Unnamed WA45533	Nature Reserve	WA
Unnamed WA46006	Nature Reserve	WA
Unnamed WA46070	Nature Reserve	WA
Unnamed WA46108	Nature Reserve	WA
Unnamed WA46128	Nature Reserve	WA
Unnamed WA46260	Nature Reserve	WA
Unnamed WA46400	National Park	WA
Unnamed WA46407	5(1)(h) Reserve	WA
Unnamed WA46595	Nature Reserve	WA
Unnamed WA47557	5(1)(h) Reserve	WA
Unnamed WA47558	Nature Reserve	WA
Unnamed WA47688	National Park	WA
Unnamed WA48837	Nature Reserve	WA
Unnamed WA49385	Nature Reserve	WA
Unnamed WA49706	Nature Reserve	WA
Unnamed WA49857	Nature Reserve	WA
Unnamed WA50017	Nature Reserve	WA
Unnamed WA50190	Nature Reserve	WA
Unnamed WA50270	5(1)(h) Reserve	WA
Unnamed WA51982	5(1)(h) Reserve	WA
Unnamed WA52018	5(1)(h) Reserve	WA
Unnamed WA53269	Conservation Park	WA
Vagg	Nature Reserve	WA

Protected Area Name	Reserve Type	State
Wagin Lake	Nature Reserve	WA
Wahkinup	Nature Reserve	WA
Walburra	Nature Reserve	WA
Walbyring	Nature Reserve	WA
Walpole And Nornalup Inlets	Marine Park	WA
Walpole-Nornalup	National Park	WA
Wandoora	Nature Reserve	WA
Wangeling Gully	Nature Reserve	WA
Wardering Lake	Nature Reserve	WA
Warren	National Park	WA
Wellington	National Park	WA
Wellington Discovery Forest	5(1)(h) Reserve	WA
Westralia	Conservation Park	WA
Whicher	National Park	WA
Whin Bin Rock	Nature Reserve	WA
Whistler	Nature Reserve	WA
Wild Horse Swamp	Nature Reserve	WA
Wilga	Nature Reserve	WA
Wilgarrup	Nature Reserve	WA
Williams 15411 & 15065	NRS Addition - Gazettal in Progress	WA
Wiltshire-Butler	National Park	WA
Wingedine	Nature Reserve	WA
Woodanilling	Nature Reserve	WA
Woorgabup	Nature Reserve	WA
Wyvern Road	Nature Reserve	WA
Yackrikine	Nature Reserve	WA

Protected Area Name	Reserve Type	State	
Yalgorup	National Park	WA	
Yallatup	Nature Reserve	WA	
Yarling	Nature Reserve	WA	
Yarnup	Nature Reserve	WA	
Yelverton	National Park	WA	
Yilliminning	Nature Reserve	WA	

Regional Forest Agreements

[Resource Information]

Note that all areas with completed RFAs have been included.

RFA Name State

South West WA RFA Western Australia

Nationally Important Wetlands		Resource Information]
Wetland Name	State	
Benger Swamp	WA	
Blackwood River (Lower Reaches) and Tributaries System	WA	
Broke Inlet System	WA	
Byenup Lagoon System	WA	
Cape Leeuwin System	WA	
Coyrecup Lake	WA	
Doggerup Creek System	WA	
Dumbleyung Lake	WA	
Gingilup-Jasper Wetland System	WA	
Lake Muir	WA	
Maringup Lake	WA	
McCarleys Swamp (Ludlow Swamp)	WA	
Toolibin Lake	WA	
Vasse-Wonnerup Wetland System	WA	
Yalgorup Lakes System	WA	

EPBC Act Referrals		<u>[R</u>	ResourceInformation]
Title of referral	Reference	Referral Outcome Assessment S	Status

Title of referral	Reference	Referral Outcome	Assessment Status
Controlled action			
Controlled action	0040/0074		
313-316 Mimminup Road, Dalyellup	2012/6274	Controlled Action	Post-Approval
Aerial Application of Lavicide to Vasse-Wonnerup Wetlands	2010/5593	Controlled Action	Post-Approval
Albemarle Lithium hydroxide manufacturing plant, Kemerton, WA	2017/8099	Controlled Action	Post-Approval
All weather access track road between Windy Harbour and Nelson Location 7965	2011/6121	Controlled Action	Post-Approval
Banksia Road Class III Putrescible Landfill, Crooked Brook, WA	2016/7672	Controlled Action	Assessment Approach
Binningup Beach Residential Development, Lots 195, 304, 9003 Lakes Parade, Binningup WA	2009/5046	Controlled Action	Post-Approval
Bluewaters Power Station Expansion Phases 3 & 4	2008/4113	Controlled Action	Proposed Decision
Bowelling curves realignment - Collie Lake King Road 64.76 - 69.84 SLK, WA	2016/7757	Controlled Action	Post-Approval
Brunswick Dam and Pipeline Infrastructure Project	2009/5186	Controlled Action	Completed
Bunbury Outer Ring Road Northern and Central Section Project, WA	2019/8471	Controlled Action	Post-Approval
Bunbury Outer Ring Road Southern Section	2012/6652	Controlled Action	Completed
Bunbury Outer Ring Road Southern Section project, WA	2019/8543	Controlled Action	Final PD
Bunbury Port Berth 14A Expansion & Coal Storage & Loading Facility, WA	2014/7200	Controlled Action	Post-Approval
Russell Highway Canal to Hutton	Section, WA		

Bussell Highway - Capel to Hutton

Section, WA

2015/7626 Controlled Action		Post-Approval	
Bussell Highway Duplication Hutton to Sabina	2020/8800	Controlled Action	Post-Approval
Busselton Foreshore Redevelopment from West Street to Ford Road	2013/6830	Controlled Action	Post-Approval
Capecare, urban and commercial new development, Aged Care -	2006/2834	Controlled Action	Post-Approval

Title of referral	Reference	Referral Outcome	Assessment Status
Controlled action			
Naturaliste Terrace, Dunsborough,			
<u>WA</u>			
Cape View Resort at Lot 190 Little Colin Street	2006/3070	Controlled Action	Post-Approval
CBH Broomehill Fixed Rail Outloading Facility	2021/9038	Controlled Action	Referral Decision
Clear 2.86 ha of native vegetation for the purpose of horticulture	2010/5655	Controlled Action	Post-Approval
Clearing for Bunbury Airport Expansion, WA	2013/6872	Controlled Action	Post-Approval
Clearing of vegetation to expand the waste rock dump at Greenbushes, WA	2013/6904	Controlled Action	Post-Approval
Coal Mine Expansion	2001/376	Controlled Action	Post-Approval
Collie Motorplex Dragstrip, WA	2015/7455	Controlled Action	Completed
Construction of new sporting field	2007/3333	Controlled Action	Post-Approval
<u>Dalyellup Beach Estate - Residential</u> <u>Development</u>	2007/3361	Controlled Action	Post-Approval
Dardanup Mine Expansion Southern Extension	2011/6087	Controlled Action	Post-Approval
Dawson Beach Estate Stage 2	2005/2153	Controlled Action	Post-Approval
Development Guide Plan for 46 ha Residential Subdivision	2008/4102	Controlled Action	Post-Approval
Development of Busselton Health Campus	2011/6011	Controlled Action	Post-Approval
Development of Lot 9018 Martingale Road and Lot 377 Clinker Drive, Dunsborough, WA	2018/8278	Controlled Action	Further Information Request
Develop Trails and a Wetlands	<u>Demonstration</u>	on Site and Centre	

Title of referral	Reference	Referral Outcome	Assessment Status
Controlled action			
2008/4439 Controlled	Action	Post-Approval	
Eastern Link Project, Busselton WA	2018/8155	Controlled Action	Post-Approval
Extension of coal mine, abutting Muja Mine, Collie, WA	2009/5014	Controlled Action	Assessment Approach

Title of referral	Reference	Referral Outcome	Assessment Status
Controlled action			
Flat Rock boating facility	2008/4506	Controlled Action	Post-Approval
Greenbushes Lithium mine expansion, 80 km SE of Bunbury, WA	2018/8206	Controlled Action	Post-Approval
Greenbushes to Kirup Link, WA	2017/8059	Controlled Action	Post-Approval
Hard Rock Quarry, Shenton Ridge, Wellington, WA	2017/8085	Controlled Action	Post-Approval
Kemerton SIA Road and Drainage project, near Australind, WA	2018/8237	Controlled Action	Post-Approval
Koppers Wood Products Wood Processing Facility	2012/6691	Controlled Action	Post-Approval
Leeuwin Offshore Wind Farm	2022/9160	Controlled Action	Assessment Approach
Lennox Weir Removal, 12kms west Busselton	2021/8915	Controlled Action	Assessment Approach
Lot 20 and 42 Marriot Road Commercial Development	2021/8883	Controlled Action	Post-Approval
Lot 32 Tom Cullity Drive, Wilyabrup	2020/8866	Controlled Action	Post-Approval
Lot 4 Runnymede Road, Wellesley - Proposed Sand Extraction	2020/8862	Controlled Action	Assessment Approach
Lower Vasse River Sediment Removal	2021/9051	Controlled Action	Post-Approval
Millstream Dam Expansion	2010/5614	Controlled Action	Post-Approval
Milyeannup Wind Farm	2009/4911	Controlled Action	Post-Approval
Mining of titaninum mineral sands from four deposits located on both private la	2004/1628	Controlled Action	Completed
Mining of titanium mineral sands in Happy Valley north and south, on	private		

Title of referral Controlled action	Reference	Referral Outcome	Assessment Status
2006/2597 Controlled Action		Completed	
Muja Power Station FAD Raising Project, near Collie, WA	2019/8495	Controlled Action	Assessment Approach
Old Broadwater Farm Estate Subdivision - Stage 3	2009/5231	Controlled Action	Post-Approval

Title of referral	Reference	Referral Outcome	Assessment Status
Controlled action			
Peppermint Park Residential Subdivision - Stage 5	2008/4028	Controlled Action	Post-Approval
Preston Industrial Park	2012/6312	Controlled Action	Completed
Proposed land clearing for Shotts Industrial Park	2009/5086	Controlled Action	Post-Approval
Proposed Sand Extraction at Lot 601 Stanley Road, Wellesley, WA	2020/8635	Controlled Action	Further Information Request
Remove 1.87ha of degraded parkland cleared vegetation to utilising the area for	2010/5661	Controlled Action	Post-Approval
Residential/Industrial subdivision, Lot 18, Vasse Highway, Shire of Busselton	2006/3208	Controlled Action	Post-Approval
Residential Development	2007/3463	Controlled Action	Post-Approval
Residential development, College Grove, WA	2015/7579	Controlled Action	Completed
Residential Development, Lot 3 & 4 Dorsett Street	2006/2774	Controlled Action	Completed
Residential Development, Lot 522 Ditchingham Place Australind, WA	2019/8432	Controlled Action	Assessment Approach
Residential development Lot 3, 500 Bussell Highway, WA	2013/7098	Controlled Action	Post-Approval
Residential development Lot 71 Spurr St, Capel, WA	2019/8441	Controlled Action	Assessment Approach
Residential development Lots 8 & 9 King Street	2006/2787	Controlled Action	Completed
Residential subdivision, Lot 501 Vasse Hwy, Yalyalup, WA	2018/8244	Controlled Action	Post-Approval
retirement units & aged care facility development	2007/3533	Controlled Action	Post-Approval

Title of referral	Reference	Referral Outcome	Assessment Status
Controlled action			
Road Widening Kojonup South SLK	2017/7934	Controlled Action	Post-Approval
254.9 to SLK 259.8			
Sand and limestone extraction	2003/1284	Controlled Action	Completed
Sand and Limestone Extraction on Lots 313 and 314, Harewoods Road	2005/2291	Controlled Action	Completed

Title of referral	Reference	Referral Outcome	Assessment Status
Controlled action Sand Extraction Project, Lot 1 Southwest Highway, Boyanup, WA	2015/7449	Controlled Action	Assessment Approach
Sand Extraction Project Lot 5 Wellesley Road, Wellesley Shire of Harvey	2021/9034	Controlled Action	Assessment Approach
Sand mine	2008/4114	Controlled Action	Completed
Sand Mine, Lot 122 Old Coast Road, Parkfield, Binningup, WA	2014/7164	Controlled Action	Post-Approval
Sand Mining on Lot 7 Runnymede Road	2011/5996	Controlled Action	Post-Approval
Shark Hazard Mitigation Drum Line Program, WA	2014/7174	Controlled Action	Completed
Silica Sand Mine Expansion	2002/910	Controlled Action	Post-Approval
Smiths Beach Project, Yallingup - Coastal Tourism Village	2021/9141	Controlled Action	Referral Publication
Somerville Drive Extension	2011/6153	Controlled Action	Post-Approval
South Capel Remediation Project, WA	2018/8250	Controlled Action	Post-Approval
Southern Forests Irrigation Scheme	2019/8509	Controlled Action	Assessment Approach
Southern Seawater Desalination Project	2008/4173	Controlled Action	Post-Approval
Stage 2 Buckingham Way- Collie Residential Development	2011/6049	Controlled Action	Post-Approval
Stage 2 of the Bunbury Port Access Project	2010/5768	Controlled Action	Post-Approval
Three Turning Pockets West of Busselton Townsite	2002/846	Controlled Action	Post-Approval
<u>Titanium Minerals Deposit</u>	2001/279	Controlled Action	Post-Approval

Title of referral	Reference	Referral Outcome	Assessment Status
Controlled action			
Tourism Villa Facility Development	2008/4025	Controlled Action	Post-Approval
			• •
tourist and residential development	2007/3483	Controlled Action	Doot Approval
tourist and residential development	2007/3463	Controlled Action	Post-Approval
Transmission Line Project	2011/6066	Controlled Action	Post-Approval

Title of referral	Reference	Referral Outcome	Assessment Status
Controlled action			
Tutunup mineral sands mine	2008/4409	Controlled Action	Completed
Tutunup South Mineral Sands Project	2007/3441	Controlled Action	Post-Approval
Undertake gravel extraction on Lot 20	2013/6765	Controlled Action	Post-Approval
Coalfields Road, Roelands			
Upgrade of Ford Road	2005/2113	Controlled Action	Completed
<u> </u>			
Urban development, multiple lots	2019/8494	Controlled Action	Assessment
Northerly Street, Vasse, WA			Approach
			1 1
Urban development subdivision	2013/6955	Controlled Action	Post-Approval
<u> </u>	_0.0,000		
Vasse Diversion Drain Upgrade	2017/7932	Controlled Action	Post-Approval
Table Brokers Brain Sparade	201171.002		. 6617 (pp. 616)
Vlam Road Gravel Pit, Vlam Road,	2014/7141	Controlled Action	Post-Approval
Karridale, WA	2011/7111		1 001 / (pp10 vai
ramacio, vivi			
VV Walsh Cold Stores Expansion	2021/8902	Controlled Action	Proposed Decision
V VValori Cold Ctoroo Expariolori	202170002		Tropodod Boolololl
WA Offshore Windfarm	2021/8961	Controlled Action	Assessment
THE CHARLES THE CONTRACT OF TH	2021/0001		Approach
Waste management project and	2018/8270	Controlled Action	Proposed Decision
quarry, Banksia Road, Dardanup, WA			
			
Waterloo Heavy Mineral Mining	2013/6879	Controlled Action	Post-Approval
Project, Henty, WA			• •
Widening maintenance zones for 3	2016/7698	Controlled Action	Post-Approval
roads, Wheatbelt region, WA			• •
Wonnerup North Mineral Sands	2014/7205	Controlled Action	Post-Approval
Project, Busselton, WA			
			
Wonnerup South Mineral Sands	2014/7135	Controlled Action	Post-Approval
Project, Yalyalup, WA			
Wonnerup Titanium Mineral Mining	2010/5403	Controlled Action	Post-Approval
Project			

Title of referral	Reference	Referral Outcome	Assessment Status
Controlled action			
Worsley Mine Expansion, WA	2019/8437	Controlled Action	Assessment Approach
Yalyalup Mineral Sands Project, WA	2017/8094	Controlled Action	Post-Approval
Yarragadee Water Supply Development	2005/2073	Controlled Action	Completed

Title of referral	Reference	Referral Outcome	Assessment Status
Controlled action	0007/0005		
Yoganup 215 mineral sands mine - Mining Lease 70/401	2007/3225	Controlled Action	Completed
Yoongarillup Mineral Sands Project, WA	2012/6521	Controlled Action	Post-Approval
Not controlled action			
25 Lot Residential Subdivision	2009/4830	Not Controlled Action	Completed
300MW Coal-fired Power Station Expansion	2005/2233	Not Controlled Action	Completed
Aerial application of mosquito larvicides to Vasse Wonnerup Wetlands, WA	2016/7780	Not Controlled Action	Completed
Albany Highway Upgrade (242.56 - 248.4 SLK, WA	2013/6842	Not Controlled Action	Completed
Albany Highway Upgrade (248.4 - 250.8 SLK) WA	2013/6766	Not Controlled Action	Completed
Albemarle Lateral Gas Pipeline, Kemerton, WA	2019/8387	Not Controlled Action	Completed
Arthur River Road upgrade, WA	2016/7743	Not Controlled Action	Completed
Benger Solar Farm Connection Project - WA	2020/8763	Not Controlled Action	Completed
Bunbury Water Resources Recovery Scheme-Recycled Water Treatment Plant	2021/8986	Not Controlled Action	Completed
Bussell Highway (Bramley Section) SLK Upgrade	2012/6511	Not Controlled Action	Completed
Busselton-Margaret River Regional Airport Development Project, WA	2016/7675	Not Controlled Action	Completed
Busselton to Flinders Bay Rails to Trails Project, WA	2013/6835	Not Controlled Action	Completed
Busselton to Margaret River Transmission Line	2008/3964	Not Controlled Action	Completed
Cape Naturaliste Road Shared Pathway, Dunsborough, WA	2018/8282	Not Controlled Action	Completed
Causeway Bridge Duplication, Busselton, WA	2018/8309	Not Controlled Action	Completed
Caves Road and Cape Naturaliste Road Intersection Upgrade	2012/6395	Not Controlled Action	Completed

Title of referral	Reference	Referral Outcome	Assessment Status
Not controlled action Caves Road widening project between Dunsborough and Yallingup(20.3 -24.6 SLK), WA	2015/7475	Not Controlled Action	Completed
Clearing 5.4ha of native vegetation for sand extraction	2012/6592	Not Controlled Action	Completed
Clearing of vegetation to upgrade and widen the western end of Howie Road	2013/6859	Not Controlled Action	Completed
Collie Solar Farm, WA	2018/8160	Not Controlled Action	Completed
Construction and operation of Bluewaters II power station	2004/1632	Not Controlled Action	Completed
Construction of Additional Grain Storage and Associated Infrastructure at an Exi	2008/4477	Not Controlled Action	Completed
Construction of a water soak dam for fire suppression Lot 304 Rest Point Road, Walpole, WA	2014/7409	Not Controlled Action	Completed
Construction of Bluewaters Power Station	2003/1289	Not Controlled Action	Completed
Construction of the Margaret River bypass road	2012/6677	Not Controlled Action	Completed
CTBT - Cape Leeuwin Hydroacoustic Station Proposal	2000/27	Not Controlled Action	Completed
CTBT Infrasound Monitoring Station	2002/613	Not Controlled Action	Completed
<u>Dardanup Residue Disposal Facility,</u> <u>WA</u>	2015/7448	Not Controlled Action	Completed
Darkan Refuse Site Restructure, west of Darkan, WA	2013/6883	Not Controlled Action	Completed
<u>Discharge of Water From Reverse</u> <u>Osmosis Treatment</u>	2003/1154	Not Controlled Action	Completed

Title of referral	Reference	Referral Outcome	Assessment Status
Not controlled action			
Extension of Brittain Road to connect with the South Western Hwy/Robertson Drive intersection	2007/3707	Not Controlled Action	Completed
Extension of commercial sand extraction operation, Shire of Capel WA	2003/1250	Not Controlled Action	Completed
Extension of Existing Sand Mining Operations Yoganup West Mining Leases ML70/672	2003/1119	Not Controlled Action	Completed

Title of referral	Reference	Referral Outcome	Assessment Status
Not controlled action			
Flat Rocks Wind Farm	2022/9154	Not Controlled Action	Completed
Geo-science Investigations	2005/2069	Not Controlled Action	Completed
Gloucester Park Precinct-expansion of ovals and community facilities, Margaret River, WA	2017/7985	Not Controlled Action	Completed
Gravel extraction on Lot 305 Gravel Pit Road Henty, WA	2013/6750	Not Controlled Action	Completed
Horizontal drilling from Lot 35 Ballarat Rd under Wonnerup Inlet	2004/1354	Not Controlled Action	Completed
Improving rabbit biocontrol: releasing another strain of RHDV, sthrn two thirds of Australia	2015/7522	Not Controlled Action	Completed
INDIGO Central Submarine Telecommunications Cable	2017/8127	Not Controlled Action	Completed
Industrial development, Lot 561 Paris Road, Australind, WA	2016/7712	Not Controlled Action	Completed
Installation of stock proof fencing and a stock crossing 8 km from Karridale WA	2012/6427	Not Controlled Action	Completed
Jalbarragup Telecommunications Tower, WA	2017/8026	Not Controlled Action	Completed
Kemerton Lateral Gas Pipeline Project	2005/2388	Not Controlled Action	Completed
Kemerton Renewable Energy Node Switchyard KEREN Switchyard	2021/9072	Not Controlled Action	Completed
larvaciding of potential mosquito breeding wetlands	2006/2601	Not Controlled Action	Completed
Limestone quarry expansion	2005/2268	Not Controlled Action	Completed

Title of referral	Reference	Referral Outcome	Assessment Status
Not controlled action			
Limestone Quarry Expansion, Lots	2005/2332	Not Controlled	Completed
3618 and 1794, Finn Road		Action	
Limestone quarry mining	2006/2942	Not Controlled	Completed
		Action	p
Lot 200 Caves Road Tourist Accommodation	2020/8775	Not Controlled Action	Completed
Millstream to Greenbushes Link	2012/6632	Not Controlled	Completed
<u>Mains</u>		Action	

Title of referral	Reference	Referral Outcome	Assessment Status
Not controlled action			
Narrogin Link Road Stage 3 - North Extension, WA	2016/7664	Not Controlled Action	Completed
New automotive centre at the Southwest Institute of Technology, Bunbury, WA	2010/5766	Not Controlled Action	Completed
Northam Cranbrook Road widening, Katanning, WA	2018/8238	Not Controlled Action	Completed
Nuttman Road, Busselton Gravel Extraction, WA	2017/8086	Not Controlled Action	Completed
Premier Coal Mine Pit 3 North Extension, Collie, WA	2015/7493	Not Controlled Action	Completed
Proposal to widen Harris Road within the Shire of Dardanup, WA	2013/6934	Not Controlled Action	Completed
Proposed 15,000 bird barn-laid egg farm, Balingup, WA	2013/6785	Not Controlled Action	Completed
Proposed Expansion of Existing Gracetown Townsite & Upgrade of Existing Associa	2010/5358	Not Controlled Action	Completed
Proposed Fuel Reduction Burn, Loughton Park, Bunbury, WA	2014/7148	Not Controlled Action	Completed
Realignment and upgrade of Coalfields Hwy between 15.90-26.34 SLK, Western Australia	2013/6902	Not Controlled Action	Completed
Redevelopment of Lots 3 & 4, Kent Street	2007/3243	Not Controlled Action	Completed
Reinstating of Firebreaks at McLeod Creek, South West WA	2012/6402	Not Controlled Action	Completed
Replacement Floodgates	2003/1010	Not Controlled Action	Completed
Residential & Light Industrial Development, Vasse WA	2013/6932	Not Controlled Action	Completed

Title of referral Not controlled action	Reference	Referral Outcome	Assessment Status
Residential development, Lot 42, Farmhouse Court, Bovell, WA	2014/7195	Not Controlled Action	Completed
Residential development, Lot 54 Vittoria Road, Glen Iris, WA	2018/8308	Not Controlled Action	Completed
Residential development, Lots 120- 121 Minninup Road, Dalyellup WA	2018/8254	Not Controlled Action	Completed
Residential Development - Assorted Lots Parade Rd, Washington Av & Bussell Hwy,	2013/6935	Not Controlled Action	Completed

Title of referral	Reference	Referral Outcome	Assessment Status
Not controlled action Usher WA			
Residential Development Riverslea Estate Stage 8, Margaret River, WA	2014/7227	Not Controlled Action	Completed
Residential-Rural Subdivision, Lot 1 Kudardup Rd, Kudardup, WA	2012/6471	Not Controlled Action	Completed
Residential Subdivision Lot 9000 Livingstone Heights	2011/6168	Not Controlled Action	Completed
Residential Subdivision on Lot 5 Garvey Road, Crooked Brook	2012/6690	Not Controlled Action	Completed
Rezoning of Lot 31, 80-lot Residential Subdivision	2008/4680	Not Controlled Action	Completed
Road alignment construction	2001/456	Not Controlled Action	Completed
Road realignment and safety improvements, Collie Lake King Road, Shire of West Arthur, WA	2015/7422	Not Controlled Action	Completed
Sand Extraction, Lot 265 Ducane Road, Gelorup, WA	2012/6616	Not Controlled Action	Completed
Secondary School Campus Development at Lot 150 Leisure Drive, Australind	2013/6744	Not Controlled Action	Completed
South Western Highway Reconstruction between Waterloo and Hynes Roads, Waterloo	2010/5617	Not Controlled Action	Completed
South Western Highway - Wokalup to Brunswick Junction - Upgrade	2001/325	Not Controlled Action	Completed
South Western Hway upgrade (Padbury Hill Stage 2), east of Balingup, WA	2016/7811	Not Controlled Action	Completed
Stanley Road waste management facility, Wellesley, WA	2014/7131	Not Controlled Action	Completed

Title of referral	Reference	Referral Outcome	Assessment Status
Not controlled action			
<u>Tea Tree Planting, Walpole region, WA</u>	2019/8397	Not Controlled Action	Completed
Titanium Mining	2001/340	Not Controlled Action	Completed
Twin Rivers Residential Subdivision	2005/2168	Not Controlled Action	Completed
Upgrade section of Albany Highway, Harold Road Passing Lane, WA	2016/7762	Not Controlled Action	Completed

Title of referral	Reference	Referral Outcome	Assessment Status
Not controlled action Vasse Hotel and Supermarket Redevelopment	2001/288	Not Controlled Action	Completed
Vegetation Clearance for Horticulture Operation Expansion, Lot 2, Springfield Rd, Parkfield, WA	2014/7196	Not Controlled Action	Completed
Vegetation clearing for industrial development	2013/6960	Not Controlled Action	Completed
Vegetation clearing for sand extraction, Lot 268 Leeuwin Road, Augusta	2013/6860	Not Controlled Action	Completed
Water Corporation, Storage and Pipeline, Collie, WA	2021/8936	Not Controlled Action	Completed
West's gravel pit development, Cowaramup, WA	2015/7586	Not Controlled Action	Completed
Western Extension to the Dardanup Mineral Sands Project	2008/4673	Not Controlled Action	Completed
Woodcrest Rise Estate Residential Development	2007/3794	Not Controlled Action	Completed
Not controlled action (particular manne	ar)		
Aerial Application of Larvicide	2010/5490	Not Controlled Action (Particular Manner)	Post-Approval
Aerial Mosquito Spraying Vasse- Wonnerup System	2005/1952	Not Controlled Action (Particular Manner)	Post-Approval
Ambergate North Residential Development	2009/4802	Not Controlled Action (Particular Manner)	Post-Approval
Australian Underwater Discovery Centre	2021/9019	Not Controlled Action (Particular Manner)	Post-Approval

Title of referral	Reference	Referral Outcome	Assessment Status
Not controlled action			
Australind Piggery expansion	2014/7117	Not Controlled Action (Particular Manner)	Post-Approval
Clearing of understorey vegetation for fire management purposes	2010/5788	Not Controlled Action (Particular Manner)	Post-Approval

Title of referral Not controlled action (particular manne	Reference	Referral Outcome	Assessment Status
Construct and operate a 132kV transmission line and upgrade Kemerton Terminal Si	2008/4484	Not Controlled Action (Particular Manner)	Post-Approval
Construction of new bridge (Bridge 5370) across the Collie River, Eaton, WA	2016/7657	Not Controlled Action (Particular Manner)	Post-Approval
Construction of urea production plant and supporting infrastructure	2009/5067	Not Controlled Action (Particular Manner)	Post-Approval
Country Road Estate - Final Stage Development	2006/3095	Not Controlled Action (Particular Manner)	Post-Approval
Dalyellup Beach Estate Stages 12 and 14, near Bunbury	2004/1726	Not Controlled Action (Particular Manner)	Post-Approval
Dalyellup Beach Estate - Stages 13 and 16	2006/3075	Not Controlled Action (Particular Manner)	Post-Approval
Donnybrook Kojonup Road (M013) widening and associated works, WA	2015/7605	Not Controlled Action (Particular Manner)	Post-Approval
Extension of existing mains water supply pipeline	2009/4686	Not Controlled Action (Particular Manner)	Post-Approval
Grand Southern Margin 2D Marine Seismic Survey	2008/4599	Not Controlled Action (Particular Manner)	Post-Approval
INDIGO Marine Cable Route Survey (INDIGO)	2017/7996	Not Controlled Action (Particular Manner)	Post-Approval

Title of referral	Reference	Referral Outcome	Assessment Status
Not controlled action (particular manne	er)		
Katanning Infill Drill Program	2021/8882	Not Controlled Action (Particular Manner)	Post-Approval
Limestone Extraction on Lot 5 Old Coast Road, Myalup, WA	2012/6468	Not Controlled Action (Particular	Post-Approval

Title of referral Not controlled action (particular manne	Reference	Referral Outcome	Assessment Status
Not controlled detion (particular manne	<i>'</i> 1 <i>)</i>	Manner)	
Locations 2629, 2699 & 2991 - Jamisons Road	2002/771	Not Controlled Action (Particular Manner)	Post-Approval
Lots 123,124& Pt Loc 170 Geographe Bay Road	2005/2317	Not Controlled Action (Particular Manner)	Post-Approval
McCourt Hills Estate Stage 3	2006/2760	Not Controlled Action (Particular Manner)	Post-Approval
Monaghan's Roundabout Project - Intersection of Bussell Highway and Caves Road, Shire of Busselton	2007/3515	Not Controlled Action (Particular Manner)	Post-Approval
Novacare Lifestyle Village	2001/311	Not Controlled Action (Particular Manner)	Post-Approval
Sand and Limestone Extraction on Lots 313 and 314, Harewoods Road	2005/2346	Not Controlled Action (Particular Manner)	Post-Approval
South Busselton Primary School	2001/290	Not Controlled Action (Particular Manner)	Post-Approval
Stirling to Harris Dam Pipeline construction, Harris River State Forest, WA	2014/7277	Not Controlled Action (Particular Manner)	Post-Approval
Stratham Park Estate Subdivision - Lots 70, 11 and 12	2008/4068	Not Controlled Action (Particular Manner)	Post-Approval
Subdivision and development of residential dwelling on part Lot 1, Bussell Highw	2006/3023	Not Controlled Action (Particular Manner)	Post-Approval

Title of referral Reference Referral Outcome Assessment Status

Not controlled action (particular manner)

<u>Titanium mineral sands from M70/895</u> 2005/2031 and M70/899

Not Controlled Action (Particular Manner) Post-Approval

Title of referral	Reference	Referral Outcome	Assessment Status
Not controlled action (particular manne Waterloo to Busselton 132kV Transmission Line	2002/816	Not Controlled Action (Particular Manner)	Post-Approval
Widening of Ludlow North Road Between Peppermint Grove Road and Mallokup Road	2009/5242	Not Controlled Action (Particular Manner)	Post-Approval
Referral decision			
Ambergate North Residential Community (4896 lots)	2008/4617	Referral Decision	Completed
Bunbury Port Berth 14 Development, Bunbury Port Inner Harbour	2011/6023	Referral Decision	Completed
Bunbury Water Resource Recovery Scheme - Stage 2 Pipeline	2022/9145	Referral Decision	Referral Publication
Bunbury WRRS - Stage 2 Pipeline	2021/9092	Referral Decision	Completed
Construction of 14.5km 132kV transmission line	2009/4995	Referral Decision	Completed
Controlled Burn	2001/440	Referral Decision	Completed
Grand Southern Margin 2D Marine Seismic Survey	2008/4573	Referral Decision	Completed
Harvesting of Pinus Radiata Plantation	2010/5414	Referral Decision	Completed
Residential development, Lot 71 Spurr Street, Capel, WA	2017/8128	Referral Decision	Completed
Residential Subdivision, Location 871 Goodwood Rd and Lot 1181 Hawley Rd, Capel	2008/4090	Referral Decision	Completed
Residential subdivision and development	2007/3711	Referral Decision	Completed
Riverbank and Country Road Estates Lot 43 Bussell Highway	2005/2367	Referral Decision	Completed

Southern Forests Irrigation Scheme
??? Project 1: Donnelly River Offtake
and Record Brook Dam, WA

Southern Forests Irrigation Scheme
Project 2 - Irrigation Pipeline Network,
South West region, WA

Referral Decision Completed

Referral Decision Completed

Reference

Referral Outcome Assessment Status

Title of referral

Not controlled action (particular manner)

Title of referral	Reference	Referral Outcome	Assessment Status
Referral decision			
Water quality improvement trial,	2013/6975	Referral Decision	Completed
Lower Vasse River Russelton WA			

Key Ecological Features

[Resource Information]

Key Ecological Features are the parts of the marine ecosystem that are considered to be important for the biodiversity or ecosystem functioning and integrity of the Commonwealth Marine Area.

Name Region

Commonwealth marine environment within and adjacent South-west

to Geographe Bay

Western rock lobster South-west

Biologically Important Areas		
Scientific Name	Behaviour	Presence
Seabirds		
Ardenna carneipes Flesh-footed Shearwater [82404]	Foraging (in high numbers)	Known to occur
Ardenna pacifica Wedge-tailed Shearwater [84292]	Foraging (in high numbers)	Known to occur
Eudyptula minor Little Penguin [1085]	Foraging (provisioning young)	Known to occur
Hydroprogne caspia Caspian Tern [808]	Foraging (provisioning young)	Known to occur
Larus pacificus Pacific Gull [811]	Foraging (in high numbers)	Former Range
Larus pacificus Pacific Gull [811]	Foraging (in high numbers)	Known to occur
Onychoprion anaethetus Bridled Tern [82845]	Foraging (in high numbers)	Known to occur

Scientific Name	Behaviour	Presence
Pterodroma mollis Soft-plumaged Petrel [1036]	Foraging (in high numbers)	Known to occur
Puffinus assimilis tunneyi Little Shearwater [59363]	Foraging (in high numbers)	Known to occur
Sternula nereis Fairy Tern [82949]	Foraging (in high numbers)	Known to occur
Thalassarche chlororhynchos bassi Indian Yellow-nosed Albatross [85249]	Foraging (in high numbers)	Known to occur
Sharks		
Carcharodon carcharias White Shark [64470]	Foraging	Known to occur
Whales		
Whales Balaenoptera musculus brevicauda Pygmy Blue Whale [81317]	Distribution	Known to occur
Balaenoptera musculus brevicauda	Distribution Migration	Known to occur Known to occur
Balaenoptera musculus brevicauda Pygmy Blue Whale [81317] Balaenoptera musculus brevicauda		
Balaenoptera musculus brevicauda Pygmy Blue Whale [81317] Balaenoptera musculus brevicauda Pygmy Blue Whale [81317] Eubalaena australis	Migration	Known to occur Known to occur
Balaenoptera musculus brevicauda Pygmy Blue Whale [81317] Balaenoptera musculus brevicauda Pygmy Blue Whale [81317] Eubalaena australis Southern Right Whale [40] Eubalaena australis	Migration Calving buffer Seasonal	Known to occur Known to occur

Megaptera novaeangliae Humpback Whale [38]

Migration (south)

Known to occur

Caveat

1 PURPOSE

This report is designed to assist in identifying the location of matters of national environmental significance (MNES) and other matters protected by the Environment Protection and Biodiversity Conservation Act 1999 (Cth) (EPBC Act) which may be relevant in determining obligations and requirements under the EPBC Act.

The report contains the mapped locations of:

- World and National Heritage properties;
- Wetlands of International and National Importance;
- Commonwealth and State/Territory reserves;
- distribution of listed threatened, migratory and marine species;
- · listed threatened ecological communities; and
- other information that may be useful as an indicator of potential habitat value.

2 DISCLAIMER

This report is not intended to be exhaustive and should only be relied upon as a general guide as mapped data is not available for all species or ecological communities listed under the EPBC Act (see below). Persons seeking to use the information contained in this report to inform the referral of a proposed action under the EPBC Act should consider the limitations noted below and whether additional information is required to determine the existence and location of MNES and other protected matters.

Where data are available to inform the mapping of protected species, the presence type (e.g. known, likely or may occur) that can be determined from the data is indicated in general terms. It is the responsibility of any person using or relying on the information in this report to ensure that it is suitable for the circumstances of any proposed use. The Commonwealth cannot accept responsibility for the consequences of any use of the report or any part thereof. To the maximum extent allowed under governing law, the Commonwealth will not be liable for any loss or damage that may be occasioned directly or indirectly through the use of, or reliance

3 DATA SOURCES

Threatened ecological communities

For threatened ecological communities where the distribution is well known, maps are generated based on information contained in recovery plans, State vegetation maps and remote sensing imagery and other sources. Where threatened ecological community distributions are less well known, existing vegetation maps and point location data are used to produce indicative distribution maps.

Threatened, migratory and marine species

Threatened, migratory and marine species distributions have been discerned through a variety of methods. Where distributions are well known and if time permits, distributions are inferred from either thematic spatial data (i.e. vegetation, soils, geology, elevation, aspect, terrain, etc.) together with point locations and described habitat; or modelled (MAXENT or BIOCLIM habitat modelling) using

Where little information is available for a species or large number of maps are required in a short time-frame, maps are derived either from 0.04 or 0.02 decimal degree cells; by an automated process using polygon capture techniques (static two kilometre grid cells, alpha-hull and convex hull); or captured manually or by using topographic features (national park boundaries, islands, etc.).

In the early stages of the distribution mapping process (1999-early 2000s) distributions were defined by degree blocks, 100K or 250K map sheets to rapidly create distribution maps. More detailed distribution mapping methods are used to update these distributions

4 LIMITATIONS

The following species and ecological communities have not been mapped and do not appear in this report:

- threatened species listed as extinct or considered vagrants;
- some recently listed species and ecological communities;
- some listed migratory and listed marine species, which are not listed as threatened species; and
- migratory species that are very widespread, vagrant, or only occur in Australia in small numbers.

The following groups have been mapped, but may not cover the complete distribution of the species:

- listed migratory and/or listed marine seabirds, which are not listed as threatened, have only been mapped for recorded
- seals which have only been mapped for breeding sites near the Australian continent

The breeding sites may be important for the protection of the Commonwealth Marine environment.

Refer to the metadata for the feature group (using the Resource Information link) for the currency of the information.

Acknowledgements

This database has been compiled from a range of data sources. The department acknowledges the following custodians who have contributed valuable data and advice:

- -Office of Environment and Heritage, New South Wales
- -Department of Environment and Primary Industries, Victoria
- -Department of Primary Industries, Parks, Water and Environment, Tasmania
- -Department of Environment, Water and Natural Resources, South Australia
- -Department of Land and Resource Management, Northern Territory
- -Department of Environmental and Heritage Protection, Queensland
- -Department of Parks and Wildlife, Western Australia
- -Environment and Planning Directorate, ACT
- -Birdlife Australia
- -Australian Bird and Bat Banding Scheme
- -Australian National Wildlife Collection
- -Natural history museums of Australia
- -Museum Victoria
- -Australian Museum
- -South Australian Museum
- -Queensland Museum
- -Online Zoological Collections of Australian Museums
- -Queensland Herbarium
- -National Herbarium of NSW
- -Royal Botanic Gardens and National Herbarium of Victoria
- -Tasmanian Herbarium
- -State Herbarium of South Australia
- -Northern Territory Herbarium
- -Western Australian Herbarium
- -Australian National Herbarium, Canberra
- -University of New England
- -Ocean Biogeographic Information System
- -Australian Government, Department of Defence
- Forestry Corporation, NSW
- -Geoscience Australia
- -CSIRO
- -Australian Tropical Herbarium, Cairns
- -eBird Australia
- -Australian Government Australian Antarctic Data Centre
- -Museum and Art Gallery of the Northern Territory
- -Australian Government National Environmental Science Program
- -Australian Institute of Marine Science
- -Reef Life Survey Australia
- -American Museum of Natural History
- -Queen Victoria Museum and Art Gallery, Inveresk, Tasmania
- -Tasmanian Museum and Art Gallery, Hobart, Tasmania
- -Other groups and individuals

The Department is extremely grateful to the many organisations and individuals who provided expert advice and information on numerous draft distributions.

Please feel free to provide feedback via the Contact Us page.

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Appendix D

Matters of National Environmental Significance Aligned to NRM Strategic Priorities

MNES Theme - EPBC Listed Threatened Species

Targeted MNES	Strategy Theme	Priority Asset	Project Name	Project Description	Project Partners	
Bettongia penicil- lata ogilbyi (Woylie)		Listed threatened species		This project is testing and refining the use of Felixer		
Dasyurus geoffroii (Chuditch)		Perup		grooming traps for con- trolling feral cats at the mesoscale in the Upper		
Macrotis lagotis (Bilby)				Warren area. Baiting for feral cats has been found		
Myrmecobius fas- ciatus (Numbat)	Biodiversity -		Felixer Grooming Traps for Control-	to be largely ineffective in this area but the Felixer grooming trap has poten-	SWCC DBCA	
Pseudocheirus occidentalis (Western ringtail passum)	Terrestrial		the Upper Warren	tial to be a useful tool for controlling feral cats. This project will determine their safety for non-target	Blackwood Basin Group	
Setonix brachy- urus (Quokka)				native species and test several deployment styles to assess their effective- ness for controlling feral cats.		
Bettongia penicil- lata ogilbyi (Woylie)		Listed threatened species,		This project works with local government, DBCA	SWCC Leschenault Catchments Council Geocatch City of Busselton Nature Conservation Margaret River Region Lower Blackwod LCDC	
Dasyurus geoffroii (Chuditch)		Whicher 1,		and private landholders to protect, enhance and cre- ate new habitat for EPBC listed threatened species across the SWCC region. The project incorporates support for the Land for		
Pseudocheirus occidentalis (Western ringtail possum)	Biodiversity - Terrestrial	Scott River,	Habitat protection and creation for south-west threat- ened species			
		Perup,		Wildlife program that sup-	Southern Forests	
		Karridale,		ports private landholders	Community Land-	
		Whicher 2		to manage native vegeta- tion on their properties for its biodiversity values.	care Blackwood Basin Group	
Pseudocheirus occidentalis (Western ringtail possum)	Biodiversity - Terrestrial	Listed threatened species	Ropebridges to enhance connectiv- ity for urban west- ern ringtail pos- sums	This project will construct 2 rope bridges for western ringtail possums in urban areas to reduce road mor- tality and enhance con- nectivity between areas of remnant vegetation.	SWCC City of Busselton	

Targeted MNES	Strategy Theme	Priority Asset	Project Name	Project Description	Project Partners															
Pseudocheirus occidentalis (Western ring- tail possum)	Biodiversity	Listed threat- ened species	Responsible pet ownership program and community engagement in threatened species conservation.	behaviour of pet owners to keep their animals contained to reduce the incidence of possums being in- jured or killed by domestic pets.	vation Margaret River Region Lower Black- wood LCDC Blackwood Basir Group Shire of Nannup Fostering and															
Bettongia pen- icillata ogilbyi (Woylie)		Listed threat- ened species,		This project sees the entirety of the																
Dasyurus geoffroii (Chuditch)		Collie South	tional Park Fau- na Survey	tional Park Fau-	tional Park Fau-	using remote period to imp	Wellington National Park surveyed using remote cameras over a 2-year period to improve the understanding													
Myrmecobius fasciatus (Numbat)	Biodiversity - Terrestrial					of the distribution of threatened species in the park as well as intro- nal Park Fau- duced species. This information will	DBCA													
Pseudocheirus occidentalis (Western ring-						-na survey	and survey	and Survey	ilia Sul Vey	ing Survey	ing Survey	nia survey	in survey	in survey	July 2017 Cy	July 2017 Cy				
tail possum) Setonix brach- yurus (Quokka)				by taking into account the location of threatened species.																
Pseudocheirus occidentalis (Western ring- tail possum)	Biodiversity	Listed threat- ened species,	Western ring- tail possum rehabilitation improvement	Every year over 200 western ringtail possums come into the care of wild-life rehabilitators in the Busselton and Dunsborough areas alone. Of these animals approximately 25% are able to be released, but their fate once released is unknown. This project consists of a 3-year research program to track released possums and to test various techniques for improving their survival post release. An online management data base, the Wildlife Assistance and Rehabilitation Database (WARD) has also been developed to gather data on the causes of animals coming into care and their fate. WARD also makes it easier for rehabilitators to comply with their regulatory requirements under the Biodiversity Conservation Act.	SWCC DBCA University of Western Aus- tralia Fostering and Assistance for Wildlife Needing Aid															

Targeted MNES	Strategy Theme	Priority As- set	Project Name	Project Description	Project Partners																													
Zanda latirostris (Carnaby's cock- atoo)	Biodiversity - Terrestrial	Listed threatened species,	Protecting WA Black Cockatoos - South West	This project aims to improve breeding success for Carnaby's black cockatoo by protecting and enhancing foraging habitat around known breeding sites in the SWCC region. Survey work will be completed to try to identify more nesting sites with revegetation work and fencing to protect remnant vegetation being done near known breeding sites to improve access to foraging resources required for the birds to successfully breed.	SWCC Birdlife Shire of Kent Dumbleyung Land- care Shire of Kojonup Katanning Landcare Wagin Woodanilling Landcare Zone Blackwood Basin Group																													
Leipoa ocellata (Malleefowl)	Biodiversity - Terrestrial	Listed threatened species,	Malleefowl in the SWCC region	This project will deliver valuable survey work to determine the distribution of malleefowl in the eastern part of the SWCC region and fox control to protect malleefowl populations and contribute to the National Malleefowl Recovery Team's adaptive management program.	SWCC Shire of Kent Gnowangerup Abo- riginal Corporation Badgebup Aboriginal Corporation Dumbleyung Land- care																													
Bettongia peni- cillata ogilbyi (Woylie)		Listed threatened species,																																
Dasyurus geoffroii		Perup	Fox Control in the Upper Warren	in the Upper	in the Upper															This project works with farmers in the upper warren to undertake twice annual fox control to reduce	swcc													
Macrotis lagotis	Diadhaasha					the rate of reinvasion of foxes to the aerially baited conservation	DBCA UWA																											
Myrmecobius fasciatus	Biodiversity - Terrestrial					The state of the s	The second secon	The second secon	The second secon	A CONTRACTOR OF THE PARTY OF TH			A CONTRACTOR OF THE PARTY OF TH	Warren	Warren	The state of the s	Control of the Contro	A CONTRACTOR OF THE PARTY OF TH	The state of the s	The second secon	Control of the Contro	Warren	The second secon	Control of the Contro	A CONTRACTOR OF THE PARTY OF TH		The second secon	The second secon	A CONTRACTOR OF THE PARTY OF TH	A CONTRACTOR OF THE PARTY OF TH	A CONTRACTOR OF THE PARTY OF TH	Warren the ecology and namics of numi through DBCA being supporte	estate in the area. Research into the ecology and population dy- namics of numbats in the area through DBCA and UWA is also	Blackwood Basin Group Southern Forests
Pseudocheirus occidentalis (Western ringtail																																		
Setonix brachy- urus (Quokka)																																		
Pseudocheirus occidentalis	Biodiversity -	Listed threatened species,	western ring- tail possums in the Upper		Extensive survey work and a trans- location into the Perup Sanctuary																													
(Western ringtail possum)		Perup		will help to improve management of and bolster the security of the species in the Upper Warren.	DBCA																													

Targeted MNES	Strategy Theme	Priority Asset	Project Name	Project Description	Project Partners			
Zanda latirostris (Carnaby's cock- atoo)	Biodiversity - Terrestrial	Listed threat- ened species,	Protecting WA Black Cockatoos - South West	This project aims to improve breed- ing success for Carnaby's black cocka- too by protecting and enhancing for- aging habitat around known breeding sites in the SWCC region. Survey work will be completed to try to identify more nesting sites with re- vegetation work and fencing to pro- tect remnant vegetation being done near known breeding sites to im- prove access to foraging resources required for the birds to successfully breed.	Birdlife			
Leipoa ocellata (Malleefowl)	Biodiversity - Terrestrial	Listed threat- ened species,	Malleefowl in the SWCC region	This project will deliver valuable sur- vey work to determine the distribu- tion of malleefowl in the eastern part of the SWCC region and fox control to protect malleefowl populations and contribute to the National Mal- leefowl Recovery Team's adaptive management program.	SWCC Shire of Kent Gnowangerup Abo- riginal Corporation Badgebup Aboriginal Corporation Dumbleyung Land- care			
Bettongia peni- cillata ogilbyi (Woylie)		Listed threat- ened species,						
Dasyurus geoffroii		Perup	Fox Control in the Upper Warren	the Upper	This project works with farmers in the upper warren to undertake twice annual fox control to reduce the rate			
Macrotis lagotis	Biodiversity -				the Upper	Fox Control in bothe Upper ex Warren po	ren population dynamics of numbats in the area through DBCA and UWA is	DBCA UWA Blackwood Basin Group Southern Forests
Myrmecobius fasciatus	Terrestrial							
Pseudocheirus occidentalis (Western ring-				also being supported to improve management of this area for these species.	Community Landcare			
Setoníx brachy- urus (Quokka)								
Pseudocheirus occidentalis (Western ring- tail possum)	Biodiversity - Terrestrial	species,	Bolstering western ring- tail possums in the Upper Warren	bolster the security of the species in	DBCA			
Engaewa pseu- doreducta (Margaret River burrowing cray- fish)	Terrestrial species, in the Upper bolster the security of the species in the Upper Warren. Listed threat- ened to Improve species, Management Biodiversity - Margaret of the Marga-							

MNES Theme - Ramsar Wetlands

Targeted MNES	Strategy Theme	Priority Asset	Project Name	Project Description	Project Partners
Miur-Byenup System	Biodiversity – Aquatic	Muir-Byenup wetlands	Long term manage- ment of South West Wetlands of Interna- tional Significance	Working with local private land- holders and the Department of Bio- diversity, Conservation and Attrac- tions this project will collect valua- ble bird data and reduce predation over the 1500ha Muir Byenup Wet- lands.	SWCC DBCA
Vasse- Wonnerup System	Biodiversity – Aquatic	Vasse- Wonnerup wetlands	Long term manage- ment of South West Wetlands of Interna- tional Significance	The aims of this project are to control weeds and reduce garden nutrient runoff to the Vasse-Wonnerup wetlands.	SWCC Geocatch DBCA DWER
Toolibin Lake	Biodiversity - Terrestrial	Toolibin	Long term manage- ment of South West Wetlands of Interna- tional Significance	This project will implement a highly targeted and cost-effective approach to prevent the intrusion of salt laden surface water to maintain the last fresh-water habitat in the Wheatbelt at Lake Toolibin.	SWCC DBCA

Appendix E

Currently Unfunded Matters of National Environmental Significance (MNES) in the South West NRM Region

MNES Theme	Target Assets	Common Name
EPBC Listed	Acacia brachypoda	Western Wheatbelt Wattle
Threatened Species	Acacia depressa	Echidna Wattle
	Acacia leptalea	Chinocup Wattle
	Adenanthos pungens subsp. effusus	Sprawling Spiky Adenanthos
	Adenanthos pungens subsp. pungens	Spiky Adenanthos
	Andersonia annelsii	null
	Andersonia gracilis	Slender Andersonia
	Austrostipa bronwenae	null
	Austrostipa jacobsiana	null
	Balaenoptera borealis	Sei Whale
	Balaenoptera musculus	Blue Whale
	Balaenoptera physalus	Fin Whale
	Banksia mimica	Summer Honeypot
	Banksia nivea subsp. uliginosa	Swamp Honeypot
	Banksia oligantha	Wagin Banksia
	Banksia squarrosa subsp. argillacea	Whicher Range Dryandra
	Banksia verticillata	Granite Banksia, Albany Banksia, River Banksia
	Bertmainius tingle	Tingle Pygmy Trapdoor Spider
	Boronia capitata subsp. capitata	a shrub
	Boronia exilis	Scott River Boronia
	Bossiaea sp. Frankland (E.M.Sandiford EMS 896)	null
	Botaurus poiciloptilus	Australasian Bittern
	Brachyscias verecundus	Ironstone Brachyscias
	Caladenia bryceana subsp. bryceana	Dwarf Spider-orchid
	Caladenia busselliana	Bussell's Spider-orchid
	Caladenia caesarea subsp. maritima	Cape Spider-orchid
	Caladenia christineae	Christine's Spider Orchid
	Caladenia dorrienii	Cossack Spider-orchid
	Caladenia excelsa	Giant Spider-orchid
	Caladenia harringtoniae	Harrington's Spider-orchid, Pink Spider-orchid
	Caladenia hoffmanii	Hoffman's Spider-orchid
	Caladenia huegelii	King Spider-orchid, Grand Spider orchid, Rusty Spider-orchid
	Caladenia leucochila	Collie Spider Orchid
	Caladenia lodgeana	Lodge's Spider-orchid
	Caladenia luteola	Lemon Spider Orchid
	Caladenia procera	Carbunup King Spider Orchid
	Caladenia viridescens	Dunsborough Spider-orchid
	Caladenia winfieldii	Majestic Spider-orchid
	Calectasia pignattiana	Stilted Tinsel Lily
	Calidris canutus	Red Knot, Knot

Colidrisferruginea	CurlewSandpiper
Colidris tenuirostris	Great Knot
Colyptorhynchus banksii naso	Forest Red-tailedBlack-Cockatoo. Karrak
C:Orchorias taurus (westcoast population)	Grey NurseShark (west coast population)
C:Orcharodon carcharias	Wh f1:eShark. Great WhiteShark
C:Orett a car e tt o	l ogg erheadTurtle
Chamelaucium sp. Scoastal plain{R D.Royce 4872)	Royce's Waxflower
Charadrius leschenaltiii	Greater SandPlover, I argeSand Plover
Charodrius mango/us	l esser SandPlover, Mongotan Plover
Chelonio mydas	Green Turtle
Cherax tenuimanus	H airy Marron,Margaret River HairyMarron,M argareRiver Marron
Commersonio ape/lo	M any-floweredCommersonia
Commersonio eryrhrogyno	Trigwell'sRulingia
Conostylisdrummondii	Drummond 's Conosrylis
Conoctylisseorsiflora subsptrichophylfa	Hairy Mat Conosty1is
Conosrylis setigerasubsp.dasys	Boscabel Conostylis
Darwiniocornea	Mogumb er Bell, Narrogin Bell
Darwiniof erriccla	Scott Ri ver Darwinia
Dorwinia whicheremis	Abba Bell
Daviesia elongarasubsp.elongata	l ong-leavedOaviesia
Daviesia euphorbioi des	Wongan Cactus
Dermoche/ys coriacea	I eatherbackTurtle, I eathery Turtle, Luth
Diomedea exulons	Wandering Albatross
Diurisdrummondii	Tall Donkey Orchid
Diuris mictontho	Dwarf Bee-orchid
Diuris purdiei	Pur di e•s Donkey-orchid
Drokaeaconffuens	l ate Hammer-orcihd
Drakaeaelastica	Glossy-leafed Hammer Orchid Glossy-leavedHammer Orchid, Wany Hamme Orchid
Orakaea microntha	Dwarf Hammer-orchid
Eleochariskeigheryi	Keighery'sEleocharis
En gaewareducta	Ounsborough Burrowing Crayfish
En gaewawolpolea	WalpoleBurrowi ngCrayfish
Er emophilovetticillata	Whorled Er emophila
Eu balaena australis	Southern Right Whale
Eu calyptusx phyloeis	Meelup Mallee
GalaJdella nigrostrioto	Blackstriped DwarfGdaxas BlackstripeMinnow

Gostrolobium argyrotrichum	M etricupPea
GostrolobiumJehmannii	CranbrookPea
Gostrolobiummodestum	Broad-l eaved Gastr olobium
Gostrolobiumpapilio	Butterfly-learedGastrolobium
Geocriniaalba	Whit e-bellied Frog,Creek fr og
Geocriniaviteflino	Orange-belli ed Frog
Goodeniaorthrotricha	nun
Grevillea acropogon	null
Grevillea brachysrylis subsp. ausrrali s	null
Grevilleo brachystylis subsp. grandis	l argefloweredShort-styled Grevillea
Grevilleae/ongata	IronstoneGrevillea
Grevillea maccutcheonii	McCutcleons Grevillea
Grevillea rara	Rare Grevillea
Hemigeniaramosissima	BranchedHemigenia
Jacksonia velveta	Collie Jacksonia
Kennediaglabroto	Northd iffe Kennedia
Kennedia /ate ritia	Aug ta Kennedia
lambertia echinatasubsp. occidentalis	Western Prickly Honeysuckle
lambertia orbifolia	Roun dleaf Honeysuckle
l eptomeriadielsiana	Oiels' Currant Bush
Leucopogon sp. Ong erup (A S. George 16682/	null
Umosalapponica menzbieri	Northern Siberian Bar-tailed Godwit Russkoye Ba-tailed Godwit
Maa onecteshalli	North ern Giant Petrel
Microtis gfobula	South-Coast Mignonette Orchid
Nannatherina balstoni	Balston·, Pygmy Perch
Nannopercapygmoea	littlePygmy Perch
Natator depressus	FlatbackTurtle
Numeniusmodogascoeinsis	Eastern curle w,f ar Eastern curlew
Pachyptila runur subontorctica	Fairy Prion (southern)
Petrophile /atericolo	la terite Petrophile
Phoscogale c.a/ura	Red-tailed PhaS <ogale, red-tailed<br="">Wambenger Kemgoor</ogale,>
Phoebetrio f u sco	Sooty Albatross
Pterodromomo/lis	Soft-plumaged Petrel
Pulteno eopoucifloro	NarroginPea
Reedia spathaceo	Reedia
Rostrowlo oustra/is	Australian Painted Snipe
Ro yceo pycnophy/loides	Saltmat
Sphyrna lewini	ScallopedHammerhead
Stemulonereisnereis	Austr alian Fairy Tern
Synopheo sp. Foirbridge Form (D.Popenfus 696)	Selena's Synaphea

	Synaphea sp. PinjorraPlain(A S. George 17182)	null
	Synaphea sp. Serpentine(G.R. Brand103)	null
	Synaphea stenofoba	Owellingup Synaphea
	Tetrario australiensis	Southern Tetraria
	Tholassarche corteri	IndianYell ow-nosedAlbatross
	Tholassarche couta	Shy Albat ross
	Thalassarche melanophris	Black-brawedAlbatross
	Thefymirra stellata	Star Sun-orchid
	Thunnus maccoyii	Southern Bluefin Tuna
	Tribonanthes purpurea	Granite Pink
	Vertioordia carinara	Stir1in g RangeFeatherftower
	Vertioordia densifloro var. peduncu/ara	l ong-stalkedFeatherflower
	Vertirordiafimbrilepis subsp.fimbrilepis	Shy Featherflower
	Verticordiap/umosavar.anareores	TuftedPlumed Featherflower
	Verticordiaplumosavar. vassensis	Vas s: Feat herflower
	Vertirordia staminosa var. cy/indracea	Granite Featherllower
	Westralunio carteri	carter's Freshwater Mussel, Freshwater Mussel
	Wurmb ea colcicola	Naturatiste Nancy
	Zanda baudinii	Baudin·s Black-Cockatoo,l ong- billedBlackcockatoo
EPBC listed	Aquatic Root Mat Community 2 in Cavesof	
Threatened	the I eeuwin Naturaliste Ridge	
Ecological Communities	Tuan (Euca lyptus gomphocephala) Woodlands and Forestsof the Swan Coastal	
Communices	Plain ecological community	
	Clay Pans of the Swan CoastalPlain	
	Corymbia calophyUa - Xanthorrhoeapreissii	
	woodlandsand shrublandsof theSwan Coastal Plain	
	Shrublands on southern Swan Coastal Plain	
	ironstones	
	Perched Wetlandsof theWheatbeltr egion	
	withextensive stands of livingsheoak and	
	paperbark acrossthe lakefloor (Toolibin Lake)	
	Proteaceae DominatedKwongkan Shrublands	
	of the Southeast Coastal Floristic Province of	
	WesternAustralia	
	Aquatic Root Mat Community 1 in Cavesof the Lee uwin Naturaliste Ridge	
	Banksia Woodlandsof the Swan Coastal Plain	
	ecological community	
	Scon Rive Ironstone Association	
	Aquatic Root Mat Commonity 4 in Cavesof	
	the I eeuw in Naturaliste Ridge	
	Aquatic Root Mat Community 3 in Cavesof	
	the I eeuwin Naturaliste Ridge	

i	5 () () () () () ()	
	Eocatypt Woodlandsof th e Western Australi an Wheatbelt	
	Subtropical and Temperate Coastal Saltmarsh	
EPBC listed	Galidris alba	Sanderling
Migratory Spe <ies< td=""><td>Eu balaenaausrralis</td><td>Southern Right Whale</td></ies<>	Eu balaenaausrralis	Southern Right Whale
	Garcharodon corcharios	WhiteShark, Great WhiteShark
	Philomachus pugnax	Ruff (Reeve)
	Galidrisferruginea	Corl ewSandpiper
	Galidris canurus	Red Knot, Knot
	Galidris melanotos	Pectoral Sandpiper
	Phoet honrubricauda	Red-tailed Tropicbird
	Tringabrevipes	Grey-tailed Tattler
	Numenius phaeopus	Whimbre
	C:Ope reamarginata	PygmyRigh t Whale
	Rhincodon rypus	WhaleSllark
	Numenius madogascoriensis	Eastern curlew, Far Eastern CUrl ew
	Diomedeaamsrerdomensis	Amsterdam Albatr oss
	Orcinus orca	Killer Whale, Orea
	Chorodrius leschenoultii	GreaterSandPlover,largeSand Plover
	Pandion halioerus	Osprey
	Arenaria inrerpres	Ruddy Turnstone
	lagenorhynchusobscurus	Dusky Dolphin
	Ardenna corneipes	Flesh-footed Shearwater, Fleshy- footed Shearwater
	Mega pre ra novaeangli e	HumpbackWhale
	lamnanosus	Porbeage, Mackerel Shark
	Boloenoprera physalus	Fin Whale
	Bolaenoptera musculus	BlueWhale
	Bolaenoptera edeni	Bryde's Whale
	Umoso lapponico	Bar-tailed Goctwit
	Umicolaf alcinellus	Broad-billedSandpiper
	Go/linago stenua	Pin-tailedSnipe
	Boloenoprera borealis	Sei Whale
	Umoso limosa	Black-tailed Godwit
	Thalossarche impavido	campbell Albatro ss, Campbell Blackbrowed Albatross
	Diomedea sanfordi	Northern Royal Albatross
	Motoci/lo cinereo	Grey Wagtail
	P/uvialisfulvo	Pacific Golden Plover
	Diomedea epomophora	Southern Royal Albatross
	Diomedea exulons	Wandering Albatross
	Galidris rujicollis	Red-neckedStint
	Colidris subminura	I ong-t oedSt jnt
	Garchorhinus tongimonus	Oceanic Whitetip Shark

Thalassorche couto	Shy Albatross
C:Olidris t enuiro stris	Great Knot
Gallinago mega/a	Swinh@sSripe
Apus pacijicus	Fork-tailedSwift
Chorodrius mongolus	I esser SandPlover,Mongolian Plover
Mobula birostris	GiantMantaRay
Mobulaalfredi	Reef MantaRay,Coastal Manta Ray
Ardenna grisea	SootyShearwater
Onychoprion anaethetu s	BridledTern
Tringastagnoti/is	MarshSandpiper, Little Greenshank
C:Olidris acuminata	Sha rp-tailed Sandpiper
Numenius minu tus	little OJrlew, Little Whimbre
Natator depressus	Flatback Turtle
Anous stolidus	Common Noddy
Diomedea dabbeneno	Tristan Albatross
Macronectes giganeus	Southern Giant-Petrel, Southern GiantPetrel
Tringag/oreola	Wood Sandpip er
Physeter macrocephals	Sperm Whale
Macrorectesha/li	Northern Giant Petrel
c:arett a carett o	l og gerhe ad Turtle
Chelonio mydas	Green Turtle
Thalasseusbergii	Greater Crested Tern
Phoebetriafusco	Sooty Albatross
Tringatoranus	Common Redshank,Redshank
Actitis hypo/eucos	CommonSandpiper
Thalassarche steadi	White-capped Albatross
Thalassarche cotteri	Indian Yell ow -nosed Albatross
Hydropøgne caspia	caspian Tern
Tringanebularia	Common Greenshank, Greenshank
Choradrius bicincrus	Oouble-bande-dPlover
Thalassarche melanophris	Black-browedAlbatross
Dermocletyscoriacea	I eatherbackTurtle, I eathery Turtle, Lut h