

# Werillup Pipeline

Application Number: **02780**

Commencement Date:  
**17/02/2025**

Status: **Locked**

## 1. About the project

### 1.1 Project details

#### 1.1.1 Project title \*

Werillup Pipeline

#### 1.1.2 Project industry type \*

Water Management and Use

#### 1.1.3 Project industry sub-type

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#### 1.1.4 Estimated start date \*

01/04/2025

#### 1.1.4 Estimated end date \*

01/04/2027

## 1.2 Proposed Action details

### 1.2.1 Provide an overview of the proposed action, including all proposed activities. \*

Water Corporation connects people to water, building an appreciation for our valuable resource. To meet the core requirement to provide the security of water services and increasing demand for water in the Albany-Denmark region of Western Australia, the Water Corporation is proposing the action involving:

Clearing of native vegetation for the installation and maintenance of water conveyance pipelines and ancillary infrastructure, to support the Werillup Borefield (Albany).

Groundwater abstraction from two existing production bores 12/16 and 14/09.

The proposed action referred does not include the operations of the greater Lower Great Southern Towns Water Supply Scheme (LGSTWSS), or bore maintenance activities at existing bore locations.

### 1.2.2 Is the project action part of a staged development or related to other actions or proposals in the region?

No

### 1.2.6 What Commonwealth or state legislation, planning frameworks or policy documents are relevant to the proposed action, and how are they relevant? \*

The proposed action will be executed in accordance with relevant State and Commonwealth legislation and policies.

***Environment Protection and Biodiversity Conservation Act 1999 (EPBC Act)***

Water Corporation is referring this proposed action for its potential impacts on Matters of National Environmental Significance (MNES) under the EPBC Act. The assessment undertaken concluded that there are no significant impacts to MNES from the proposed action and considers the action to be a “not a controlled action”.

***Environmental Protection Act 1986 (WA)***

Water Corporation will meet with the WA Environmental Protection Authority (EPA) Services Branch to discuss the project and demonstrate that the key environmental factors of the project can be adequately assessed and addressed under Part V of the *Environmental Protection Act 1986* (EP Act) via a Clearing Permit.

Water Corporation will conduct clearing in accordance with a valid Clearing Permit issued by the Department of Water and Environmental Regulation (DWER) under Part V of the EP Act.

***Biodiversity Conservation Act 2016 (WA)***

Water Corporation will obtain the necessary approvals and permits (if required) from the Department of Biodiversity, Conservation and Attractions (DBCA) under the *Biodiversity Conservation Act 2016* (BC Act) prior to implementing the proposed action.

***Planning and Development Act 2005 (WA)***

Water Corporation will be seeking a Development Approval for the proposed works under the *Planning and Development Act 2005* once all environmental approvals have been obtained for the project.

***Land Administration Act 1997 (WA)***

The proposed action is located within Class C reserves under the *Land Administration Act 1997* (LA Act):

- 26117 for the purpose of prison and telecommunications site and managed by the Department of Justice.
- 2903 for the purpose of quarantine station for stock and managed by the City of Albany (CoA).
- 13773 for the purpose of conservation, recreation, water supply and wind and wave energy power generation and managed by the CoA.

***Aboriginal Heritage Act 1972 (WA)***

Water Corporation's has surveyed the land for Aboriginal heritage and native title assessment in 2022 and proposes to undertake another assessment prior to construction. Based on the survey findings, no further approvals are required and work can proceed within the proposed project area. Should any human skeletal or cultural material be discovered whilst undertaking the project there is an obligation under section 15 of the *Aboriginal Heritage Act 1972* to record and lodge site information with DPLH. All works will cease immediately and additional care be taken at the scene.

**1.2.7 Describe any public consultation that has been, is being or will be undertaken regarding the project area, including with Indigenous stakeholders. Attach any completed consultation documentations, if relevant. \***

The proposed action is defined as Major Works under S. 133, Part 6 of the *Water Services Act 2012* whereby the Water Corporation is required to ensure the following stakeholder consultation is conducted at a minimum:

- Letters to stakeholders, landowners and occupiers;
- Website advertising; and
- Ministerial Authorisation.

Water Corporation is committed to ongoing stakeholder communication, engagement and consultation throughout the planning, approvals, delivery and operations phases of the proposed action above and beyond of the legislated requirements under the *Water Services Act 2012*.

The Corporation have been consulting with a number of key stakeholders throughout project planning and will continue to consult throughout the delivery of the project. Consultation has been conducted with, but not limited to, the following stakeholders:

- City of Albany (CoA).
- Local environmental and community groups.
- Local residents.
- Traditional Owners.
- Department of biodiversity, Conservation and Attractions (DBCA).
- Department of Water and Environmental Regulation (DWER).
- Department of Planning, Lands and Heritage (DPLH).
- Main Roads WA (MRWA).
- Synergy and Synergy Red.

Water Corporation's will undertake heritage management in accordance with the approvals under the *Aboriginal Heritage Act 1972* and the findings of the heritage surveys.

## 1.3.1 Identity: Referring party

### Privacy Notice:

Personal information means information or an opinion about an identified individual, or an individual who is reasonably identifiable.

By completing and submitting this form, you consent to the collection of all personal information contained in this form. If you are providing the personal information of other individuals in this form, please ensure you have their consent before doing so.

The Department of Climate Change, Energy, the Environment and Water (the department) collects your personal information (as defined by the Privacy Act 1988) through this platform for the purposes of enabling the department to consider your submission and contact you in relation to your submission. If you fail to provide some or all of the personal information requested on this platform (name and email address), the department will be unable to contact you to seek further information (if required) and subsequently may impact the consideration given to your submission.

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☒ **Confirm that you have read and understand this Privacy Notice \***

### 1.3.1.1 Is Referring party an organisation or business? \*

Yes

## Referring party organisation details

<b>ABN/ACN</b>	28003434917
<b>Organisation name</b>	WATER CORPORATION
<b>Organisation address</b>	629 Newcastle Street, Leederville WA 6007

## Referring party details

<b>Name</b>	Aaron Thorburn
<b>Job title</b>	Team Leader - Environmental Approvals
<b>Phone</b>	(08) 9420 2843
<b>Email</b>	environment@watercorporation.com.au
<b>Address</b>	629 Newcastle Street, Leederville WA 6007

## 1.3.2 Identity: Person proposing to take the action

### 1.3.2.1 Are the Person proposing to take the action details the same as the Referring party details? \*

Yes

## Person proposing to take the action organisation details

**ABN/ACN** 28003434917

**Organisation name** WATER CORPORATION

**Organisation address** 629 Newcastle Street, Leederville WA 6007

## Person proposing to take the action details

**Name** Aaron Thorburn

**Job title** Team Leader - Environmental Approvals

**Phone** (08) 9420 2843

**Email** environment@watercorporation.com.au

**Address** 629 Newcastle Street, Leederville WA 6007

**1.3.2.14 Are you proposing the action as part of a Joint Venture? \***

No

**1.3.2.15 Are you proposing the action as part of a Trust? \***

No

**1.3.2.17 Describe the Person proposing the action's history of responsible environmental management including details of any proceedings under a Commonwealth, State or Territory law for the protection of the environment or the conservation and sustainable use of natural resources against the Person proposing to take the action. \***

The magnitude of Water Corporation's operations across the State of WA and diversity of the natural environment it operates within is vast. Water Corporation has been responsible for the safe treatment and distribution of drinking water; collection, treatment and disposal of domestic wastewater; and the transport of drainage water in WA for over 100 years.

Water Corporation has had no actions brought against it in relation to its environmental performance under Commonwealth legislation, but has received two modified penalty notices from WA State Authorities.

Recent EPBC Act proposals include:

- 2023/09702: Wanneroo South Groundwater Source Bores
- 2023/09597: Broome Water Supply Borefield Bushfire Mitigation Program
- 2023/09447: Logue Brook Dam Stage 2 Remedial Works
- 2022/09377: Serpentine Pipehead Dam Embankment Remedial Works
- 2022/09275: Land Clearing for Guilderton Sovereign Hill Water Pipeline
- 2022/9153: Cocos West Island Seawater Desalination Plant
- 2021/8936: CW01016 Collie Allanson 6ML Storage and Pipeline, Collie, Western Australia
- 2021/8915: Lennox Weir Removal
- 2020/8794: Onslow Seawater Desalination Plant Marine Geophysical Investigation
- 2020/8680: Broome Borefield Bushfire Mitigation Program
- 2019/8572: Yule Brook Main Drain Flood Mitigation Works
- 2019/8547: Goldfields Water Supply Scheme Project
- 2019/8454: Perth Desalination Plant 2
- 2019/8453: Alkimos Seawater Desalination
- 2018/8239: Pipeline Extension Hazelmere and Helena Valley, WA
- 2018/8224: Alkimos Seawater Desalination Plant Offshore Investigations
- 2017/8059: Greenbushes to Kirup Link
- 2017/7932: Vasse Diversion Drain upgrade
- 2016/7786: Groundwater Replenishment Scheme Stage 2

**1.3.2.18 If the person proposing to take the action is a corporation, provide details of the corporation's environmental policy and planning framework**



Water Corporation operates in accordance with an Environmental Management System that is certified to AS/ISO 14001:2015. The system has been externally certified since 2008. The system includes processes and standards to ensure that Water Corporation complies with its environmental obligations, prevents pollution and improves its environmental performance. This commitment for responsible environmental management is demonstrated in the range of evidence for excellence in environment performance, including the Climate Adaptation Award from the Banksia Environmental Foundation (2013), the Earth Awards (2011) for the Walkington Avenue Community Verge Garden Project (Margaret River), the Prime Minister's Award (2004) for environmental excellence in public sector management, the WA Premiers Award (2004), the 2003 Australian Greenhouse Office Gold Award and the United Nations Association of Australia World Environment Day Award 2004 for excellence in marine and coastal management (Attachment 5: Water Corporation Environment Policy).

### 1.3.3 Identity: Proposed designated proponent

#### 1.3.3.1 Are the Proposed designated proponent details the same as the Person proposing to take the action? \*

Yes

##### Proposed designated proponent organisation details

<b>ABN/ACN</b>	28003434917
<b>Organisation name</b>	WATER CORPORATION
<b>Organisation address</b>	629 Newcastle Street, Leederville WA 6007

##### Proposed designated proponent details

<b>Name</b>	Aaron Thorburn
<b>Job title</b>	Team Leader - Environmental Approvals
<b>Phone</b>	(08) 9420 2843
<b>Email</b>	environment@watercorporation.com.au
<b>Address</b>	629 Newcastle Street, Leederville WA 6007

## 1.3.4 Identity: Summary of allocation

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### ✔ Confirmed Referring party's identity

The Referring party is the person preparing the information in this referral.

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ABN/ACN	28003434917
Organisation name	WATER CORPORATION
Organisation address	629 Newcastle Street, Leederville WA 6007
Representative's name	Aaron Thorburn
Representative's job title	Team Leader - Environmental Approvals
Phone	(08) 9420 2843
Email	environment@watercorporation.com.au
Address	629 Newcastle Street, Leederville WA 6007

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### ✔ Confirmed Person proposing to take the action's identity

The Person proposing to take the action is the individual, business, government agency or trustee that will be responsible for the proposed action.

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Same as Referring party information.

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### ✔ Confirmed Proposed designated proponent's identity

The Person proposing to take the action is the individual or organisation proposed to be responsible for meeting the requirements of the EPBC Act during the assessment process, if the Minister decides that this project is a controlled action.

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Same as Person proposing to take the action information.

## 1.4 Payment details: Payment exemption and fee waiver

### 1.4.1 Do you qualify for an exemption from fees under EPBC Regulation 5.23 (1) (a)? \*

No

### 1.4.3 Have you applied for or been granted a waiver for full or partial fees under Regulation 5.21A? \*

No

### 1.4.5 Are you going to apply for a waiver of full or partial fees under EPBC Regulation 5.21A?

No

### 1.4.7 Has the department issued you with a credit note? \*

No

### 1.4.9 Would you like to add a purchase order number to your invoice? \*

No

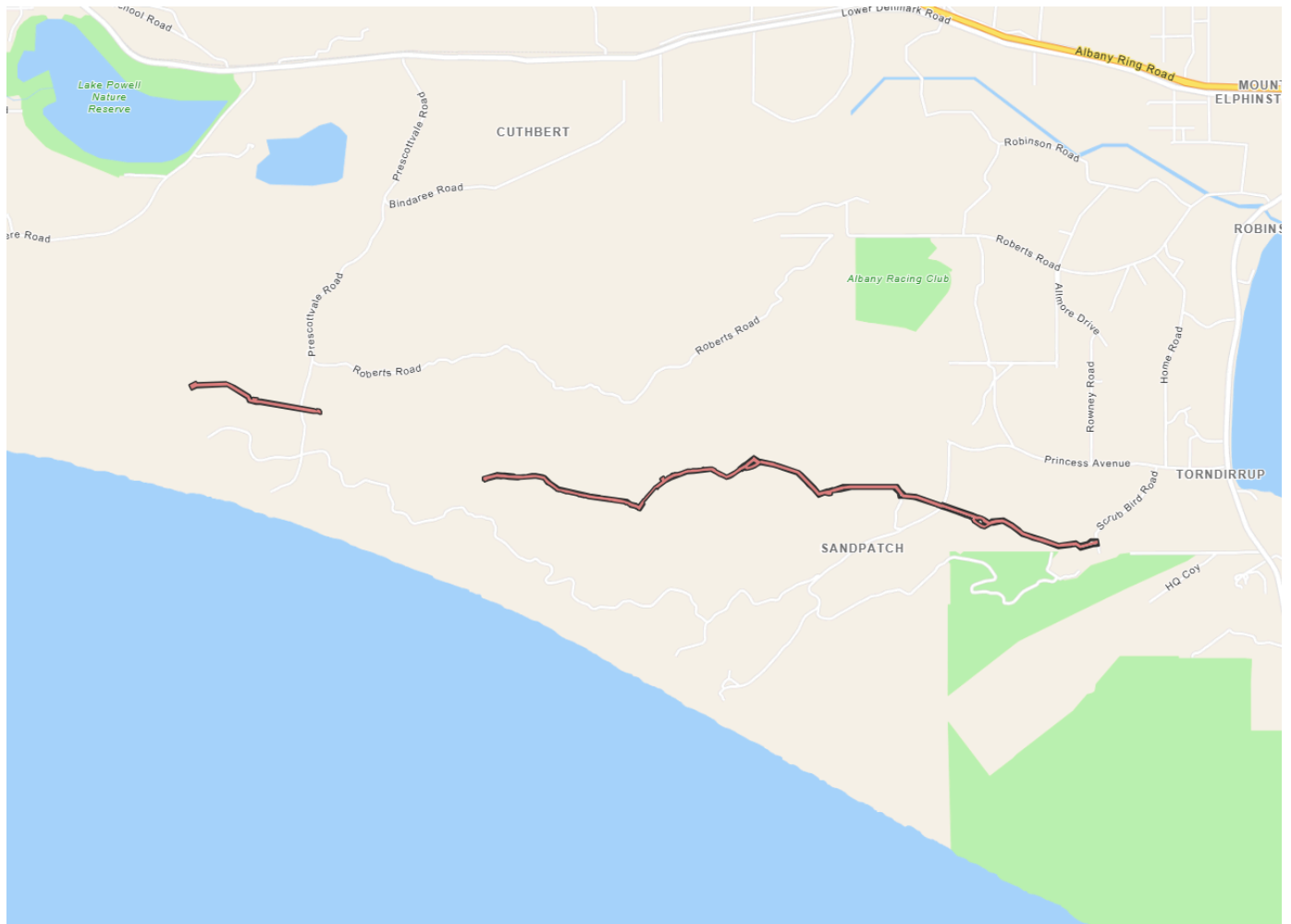
## 1.4 Payment details: Payment allocation

### 1.4.11 Who would you like to allocate as the entity responsible for payment? \*

Proposed designated proponent

## 2. Location

## 2.1 Project footprint



**Project Area:** 21.73 Ha **Disturbance Footprint:** 17.91 Ha

## 2.2 Footprint details

### 2.2.1 What is the address of the proposed action? \*

Sandpatch Road, Torndirrup, WA 6330

### 2.2.2 Where is the primary jurisdiction of the proposed action? \*

Western Australia

### 2.2.3 Is there a secondary jurisdiction for this proposed action? \*

Yes

### 2.2.4 Where is the secondary jurisdiction of the proposed action? \*

Western Australia

### 2.2.5 What is the tenure of the action area relevant to the project area? \*

The project covers multiple tenures, road, crown, freehold, easement, and reserve. Water Corporation will take an easement, where required, on the title for the right of access and maintenance once environmental approvals have been obtained for the proposed action.

## 3. Existing environment

## 3.1 Physical description

### 3.1.1 Describe the current condition of the project area's environment.

The proposed action is located within the Werrilup borefield area, approximately 5 km south west of Albany, WA (Attachment 4-EPBC Supporting Information-Figure 1-page 41). The proposed action is located within reserves R2903, R13773 (Albany Wind Farm), R26117 (Albany regional prison), unallocated crown land and freehold land and is located 40m from the Torndirrup National Park, at its closest point.

Interim Biogeographic Regionalisation for Australia (IBRA) divides WA into 26 biogeographic regions and 53 subregions based on dominant landscape characteristics of climate, lithology, geology, landform and vegetation. The proposed action is located in the Warren bioregion (WAR), which contains one subregion, Warren (WAR01). The WAR01 subregion is described as having loamy soils supporting Karri forest, laterite supporting Jarrah-Marri forest, leached sandy soils in depressions and plains supporting low Jarrah woodlands and paperbark/sedge swamps, and Holocene marine dunes with *Agonis flexuosa* and Banksia woodlands and heaths (see Attachment 1-EcoLogical-2021-Section 2.4-page 6).

Broad scale pre-European vegetation mapping indicates the native vegetation is currently (or was previously) composed of the associations (see Attachment 1-EcoLogical-2021-Section 2.4-page 6):

- Torndirrup 423 - Mixed heath with scattered tall shrubs *Acacia* spp., *proteaceae* and *myrtaceae*.
- Torndirrup 49 - Heath of low shrubs of mixed composition.

The proposed action is located in reserves of predominately native vegetation dominated by peppermint communities interspersed with coastal heath. The Albany Regional Vegetation Survey (ARVS) mapped the vegetation within the survey area as a mosaic of Peppermint Low Forest (Unit 2) and Coastal Heath (Unit 3). None of the vegetation types described from the survey area are considered wetland or riparian types or EPBC listed threatened ecological communities (TECs) (see Attachment 1-EcoLogical-2021-Section 4.2.6-page 34, and Attachment 3-SouthernEcology-2024- Section 4.1.1-page 5).

The condition of intact native vegetation ranged from pristine (2.77 ha or 15.47% of the indicative disturbance footprint (IDF)) to completely degraded (0.23 ha or 1.28 of the IDF%) based on the Keighery (1994) vegetation scale. The proposal is located in vegetation with predominantly pristine and excellent condition vegetation. The proposal has maximised disturbance on already cleared land (29% of the IDF) to minimize impacts to pristine and excellent condition vegetation. Disturbances in the proposed action included historical clearing, vehicle tracks and weeds (see Attachment 4-EPBC Supporting Information-Figure 4-page 45; and Attachment 1-EcoLogical-2021-Section 4.2.5-page 33; and Attachment 3-SouthernEcology-2024-Section 4.1.1-page 5).

### 3.1.2 Describe any existing or proposed uses for the project area.

The proposed action is located within Class C reserves under the *Land Administration Act 1997* (LA Act):

- 26117 for the purpose of prison and telecommunications site and managed by the Department of Justice.
- 2903 for the purpose of quarantine station for stock and managed by the CoA.
- 13773 for the purpose of conservation, recreation, water supply and wind and wave energy power generation and managed by the CoA.

The proposed action on these reserves includes clearing of native vegetation for the installation and maintenance of water conveyance pipelines and ancillary infrastructure, to support the Werillup Borefield (Albany).

Water Corporation has been operating the Werrilup borefield since 2000 for the purposes of drinking water supply to neighbouring towns in accordance with the land classification being a Priority 1 Protection Area (P1) for public drinking water sources. The proposed action referred does not include the operations of the greater Lower Great Southern Towns Water Supply Scheme (LGSTWSS).

SRV AGWF Pty Ltd as trustee for AGWF Trust is operating, and proposing to further develop a wind farm to the south of the proposed action (note: this is not part of this proposal).

### 3.1.3 Describe any outstanding natural features and/or any other important or unique values that applies to the project area.

The Protected Matters Search Tool (PMST) search results (Attachment 6-PMST) concluded the proposed action area:

- May include the *Empodisma* peatlands of southwestern Australia listed threatened ecological community (Endangered).
- Likely to include the Subtropical and Temperate Coastal Saltmarsh listed threatened ecological community (Vulnerable) in the buffer area only.

The topography, soils and vegetation of the proposed action does not correspond to the description of these TECs. These TECs are not located within the proposed action and are not expected to be impacted by the proposed action.

There are no other outstanding natural features or other important or unique values relevant to the proposed action.

### 3.1.4 Describe the gradient (or depth range if action is to be taken in a marine area) relevant to the project area.

The Development Envelope generally comprises a gently undulating plain that slopes towards the coast, with dune systems, limestone and granite headlands, and intervening lakes along the coast. The proposed action is located along an elevated coastal dune ridge, with wetland vegetation on the northern side of the ridge, and the coast on the southern side of the ridge.

One soil-landscape system within the Albany Sandplain Zone is mapped within the survey area:

- Meerup System - Coastal dunefields, on the southern edge of the Albany Sandplain Zone, with calcareous sand (mostly deep) and pale deep sand. Peppermint scrub, mallee scrub and coastal heath.

The proposed action will not be undertaken in a marine area.



## 3.2 Flora and fauna

**3.2.1 Describe the flora and fauna within the affected area and attach any investigations of surveys if applicable.**

The following environmental surveys have been conducted for the proposed action:

- Albany Spring Flora, Vegetation, Fauna and Black Cockatoo Survey (Attachment 1-EcoLogical-2021).
- Biological Survey: Werrilup Stage 3B (Attachment 2-SouthernEcology-2023).
- Addendum to Biological Survey: Werrilup Stage 3B (Attachment 3-SouthernEcology-2024).

#### Conservation Significant Flora

The PMST searches (Attachment 6-PMST) for the proposed action and using a 10km buffer, identified 6 EPBC listed threatened flora species are known, likely or may to occur within the proposed action area. The search identified one EPBC listed threatened flora species, *Sphenotoma drummondii* (EN), may occur within 1 km buffer to the proposed action.

One Threatened flora taxa, Star of Bethlehem or Blue Tinsel Lily (*Calectasia cyanea*), listed under the EPBC Act as Critically Endangered, was recorded during the surveys (Attachment 3-SouthernEcology-2024, section 4.1.2- page 6; and Attachment 4-EPBC Supporting Information-Figure 3).

Blue Tinsel Lily (*Calectasia cyanea*) is a member of the *Dasypogonaceae* family, Blue Tinsel Lily (*Calectasia cyanea*) is a clump forming, woody perennial herb growing between 0.1 m and 0.6 m high to 0.3 m wide. The flowers are vivid blue/purple with anthers that are red and yellow. Flowering occurs from June to October (Western Australian Herbarium 1998). It occurs in heathland on flat to gentle slopes growing in white sand or laterite gravel. The species is known from 15 records distributed across approximately 3 km on the Torndirrup Peninsula and Werrilup area. Blue Tinsel Lily (*Calectasia cyanea*) is EPBC listed as Critically Endangered due to its small area of occupancy, low number of plants and threats including fire and road works. Herbarium notes indicate plants are rare in frequency, often with only one or two plants being recorded.

The boundary of the proposed action has been amended to avoid all disturbance to all records, including avoidance to native vegetation within a 50m buffer. Furthermore, an Environmental Management Plan has been prepared to mitigate impacts to Blue Tinsel Lily (*Calectasia cyanea*). No impacts to Blue Tinsel Lily (*Calectasia cyanea*) are expected as a result of the proposed action (Attachment 4-EPBC Supporting Information-page 13).

#### Introduced Flora

Three significant weeds were recorded:

- Blackberry (*\*Rubus anglocandicans*, Weed of National Significance (WoNS), Declared Pest);
- Bridal Creeper (*\*Asparagus asparagoides*, WoNS, Declared Pest); and
- Arum Lily (*\*Zantedeschia aethiopica*, Declared Pest).

Weed management measures have been proposed within the Environmental Management Plan to mitigate impacts from weeds.

#### Conservation Significant Fauna

The PMST searches (Attachment 6 - PMST) identified four EPBC listed threatened fauna species are known, likely or may occur within the proposed action:

- *Pseudocheirus occidentalis* (CR) - Species or species habitat likely to occur within area
- *Parantechinus apicalis* (EN) - Species or species habitat known to occur within area
- *Dasyurus geoffroyi* (VU) - Species or species habitat likely to occur within area
- *Trioza barrettiae* (EN) - Species or species habitat may occur within area

The above list does not include marine mammals, marine reptiles (turtles), sharks or fish, or sea lion given the proposed action will not be undertaken in marine water or are expected to impact marine species. No additional species were noted in the PMST with a 1km buffer.

The supporting survey reports identified the following additional EPBC listed threatened fauna species likely to occur within the proposed action (in additional to the PMST searches):

- Quokka (*Setonix brachyurus*) listed as Vulnerable under the EPBC Act.

The PMST searches (Attachment 6 - PMST) identified 35 EPBC listed threatened bird species are known, likely or may to occur within the proposed action.

The supporting survey reports identified the following EPBC listed threatened bird species also likely to occur within the proposed action (in additional to the PMST searches):

- Noisy Scrub-bird (*Atrichornis clamosus*) listed as Endangered under the EPBC Act.
- Western Heath Whipbird (western heath) (*Psophodes nigrogularis nigrogularis*) listed as Endangered under the EPBC Act.

#### *Fauna Habitat Assessment*

The surveys undertaken on the proposed action identified the following fauna habitats (Attachment 4-EPBC Supporting Information-Figure 5-page 46):

- Eucalypt Forest - 0.71 ha, 4.13% within indicative disturbance footprint
- Peppermint Woodland - 8.11 ha, 47.15% within indicative disturbance footprint
- Peppermint Heath - 2.40 ha, 13.95% within indicative disturbance footprint
- Sedgeland - 0.8 ha, 4.65% within indicative disturbance footprint
- Cleared - Includes land identified as cleared land via aerial photography - 5.13 ha, 30.10% within indicative disturbance footprint.

The proposed action contains predominately (10.51 ha or 61% of the indicative disturbance) peppermint woodland and peppermint health which are suitable habitats Western Ringtail Possum, Assassin Spider, Quenda, Western Brush Wallaby. A total of 3.49 ha (20.3% of the indicative disturbance) of eucalypt woodland and portions of the peppermint woodland (areas containing Allocasuarina and proteaceous species) is located within the proposed action which is suitable habitat for Baudin's Cockatoo (*Zanda baudinii*), Carnaby's Cockatoo (*Zanda latirostris*) and Forest Red-tailed Black Cockatoo (*Calyptorhynchus banksii subsp. naso*), collectively known hereafter as black cockatoos .

There were four sightings of Baudin's Black Cockatoo just outside the proposed action during the surveys and evidence of foraging within the DE (Attachment 4-EPBC Supporting Information-Figure 5-page 46).

### **3.2.2 Describe the vegetation (including the status of native vegetation and soil) within the project area.**

The vegetation communities within the proposed action are predominately coastal heath and permit low forest vegetation communities (Attachment 4-EPBC Supporting Information-Figure 3).

- Coastal Heath (ARVS Unit 3a) - 2.40 ha, 14.01% within indicative disturbance footprint
- Coastal Yate Woodland (ARVS Unit 1) - 0.71 ha, 4.15% within indicative disturbance footprint
- *Cyathochaeta equitans* Sedgeland (ARVS Unit 3b) - 0.80 ha, 4.65% within indicative disturbance footprint
- Peppermint Low Forest (ARVS Unit 2 and AfBIAp) - 8.12 ha, 47.28% within indicative disturbance footprint
- Cleared Area (Includes land identified as cleared land via aerial photography) - 5.13 ha, 30.10% within indicative disturbance footprint

#### *Vegetation Condition*

The condition of intact native vegetation ranged from Pristine to Very Good, based on the Keighery (1994) vegetation scale. The proposal is located in vegetation with predominantly pristine and excellent condition vegetation (Attachment 4-EPBC Supporting Information-Figure 4). The proposal has maximised disturbance on already cleared land (30% of the indicative disturbance) to minimize impacts to pristine and excellent condition vegetation.

- Pristine - 2.77 ha, 16.12% within indicative disturbance footprint
- Excellent - 3.60 ha, 20.90% within indicative disturbance footprint
- Very Good - 1.39 ha, 8.10% within indicative disturbance footprint
- Good - 2.05 ha, 11.92% within indicative disturbance footprint
- Degraded - 1.98 ha, 11.53% within indicative disturbance footprint
- Completely Degraded - 0.23 ha, 1.33% within indicative disturbance footprint
- Cleared - 5.13 ha, 30.10% within indicative disturbance footprint

## 3.3 Heritage

### **3.3.1 Describe any Commonwealth Heritage Places Overseas or other places recognised as having heritage values that apply to the project area.**

No World Heritage Sites or Commonwealth Heritage Sites occur within 1 km of the Proposal.

### **3.3.2 Describe any Indigenous heritage values that apply to the project area.**

Water Corporation's has surveyed the land for Aboriginal heritage and native title assessment in 2022 and proposes to undertake another assessment prior to construction. Based on the survey findings, no further approvals are required and work can proceed within the proposed project area. Should any human skeletal or cultural material be discovered whilst undertaking the project there is an obligation under section 15 of the *Aboriginal Heritage Act 1972* to record and lodge site information with the DPLH. All works will cease immediately and additional care be taken at the scene.

## 3.4 Hydrology

### 3.4.1 Describe the hydrology characteristics that apply to the project area and attach any hydrological investigations or surveys if applicable. \*

The proposed action is located within the Torbay Inlet catchment and more specifically the Torbay/Powell Estuarine sub catchment management area. The proposed action lies on the seaward side of the ridge separating Lake Powell from the ocean, and as such, these survey areas drain into the ocean.

The proposed action is located in a Protection Area (P1) for public drinking water sources within the South Coast Water Reserve, and this proposed action comprises the expansion to this drinking water supply. There are no Groundwater Dependent Ecosystems or Inflow Dependent Ecosystems within or in the vicinity of the proposed action.

## 4. Impacts and mitigation

## 4.1 Impact details

**Potential Matters of National Environmental Significance (MNES) relevant to your proposed action area.**

EPBC Act section	Controlling provision	Impacted	Reviewed
S12	World Heritage	No	Yes
S15B	National Heritage	No	Yes
S16	Ramsar Wetland	No	Yes
S18	Threatened Species and Ecological Communities	Yes	Yes
S20	Migratory Species	No	Yes
S21	Nuclear	No	Yes
S23	Commonwealth Marine Area	No	Yes
S24B	Great Barrier Reef	No	Yes
S24D	Water resource in relation to large coal mining development or coal seam gas	No	Yes
S26	Commonwealth Land	No	Yes
S27B	Commonwealth Heritage Places Overseas	No	Yes
S28	Commonwealth or Commonwealth Agency	No	Yes

### 4.1.1 World Heritage

You have identified your proposed action will likely directly and/or indirectly impact the following protected matters.

A direct impact is a direct consequence of an action taken – for example, clearing of habitat for a threatened species or permanent shading on an ecological community as the result of installing solar panels.

An indirect impact is an 'indirect consequence' such as a downstream impact or a facilitated third-party action.

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#### 4.1.1.1 Is the proposed action likely to have any direct and/or indirect impact on any of these protected matters? \*

No

#### 4.1.1.3 Briefly describe why your action is unlikely to have a direct and/or indirect impact.

\*

No World Heritage Sites or Commonwealth Heritage Sites occur within 1 km of the proposed action and is not expected to impact on any World or Commonwealth heritage sites.

Not considered to be a controlled action.

### 4.1.2 National Heritage

You have identified your proposed action will likely directly and/or indirectly impact the following protected matters.

A direct impact is a direct consequence of an action taken – for example, clearing of habitat for a threatened species or permanent shading on an ecological community as the result of installing solar panels.

An indirect impact is an 'indirect consequence' such as a downstream impact or a facilitated third-party action.

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#### 4.1.2.1 Is the proposed action likely to have any direct and/or indirect impact on any of these protected matters? \*

No

#### 4.1.2.3 Briefly describe why your action is unlikely to have a direct and/or indirect impact.

\*

There are no National Heritage places within 1 km of the proposed action site and is not expected to have an impact on any National Heritage place.

### 4.1.3 Ramsar Wetland

You have identified your proposed action will likely directly and/or indirectly impact the following protected matters.

A direct impact is a direct consequence of an action taken – for example, clearing of habitat for a threatened species or permanent shading on an ecological community as the result of installing solar panels.

An indirect impact is an 'indirect consequence' such as a downstream impact or a facilitated third-party action.

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**4.1.3.1 Is the proposed action likely to have any direct and/or indirect impact on any of these protected matters? \***

No

**4.1.3.3 Briefly describe why your action is unlikely to have a direct and/or indirect impact.**

\*

There are no RAMSAR Wetland within 1 km of the proposed action and is not expected to have an impact on any RAMSAR Wetland.

**4.1.4 Threatened Species and Ecological Communities**



You have identified your proposed action will likely directly and/or indirectly impact the following protected matters.

A direct impact is a direct consequence of an action taken – for example, clearing of habitat for a threatened species or permanent shading on an ecological community as the result of installing solar panels.

An indirect impact is an 'indirect consequence' such as a downstream impact or a facilitated third-party action.

### Threatened species

Direct impact	Indirect impact	Species	Common name
No	No	Balaenoptera musculus	Blue Whale
No	No	Banksia brownii	Brown's Banksia, Feather-leaved Banksia
No	No	Banksia verticillata	Granite Banksia, Albany Banksia, River Banksia
No	No	Botaurus poiciloptilus	Australasian Bittern
No	Yes	Calectasia cyanea	Blue Tinsel Lily
No	No	Calidris acuminata	Sharp-tailed Sandpiper
No	No	Calidris canutus	Red Knot, Knot
No	No	Calidris ferruginea	Curlew Sandpiper
Yes	Yes	Calyptorhynchus banksii naso	Forest Red-tailed Black-Cockatoo, Karrak
No	No	Carcharodon carcharias	White Shark, Great White Shark
No	No	Caretta caretta	Loggerhead Turtle
No	No	Cereopsis novaehollandiae grisea	Cape Barren Goose (south-western), Recherche Cape Barren Goose
No	No	Charadrius leschenaultii	Greater Sand Plover, Large Sand Plover
No	No	Chelonia mydas	Green Turtle
No	No	Dasyornis longirostris	Western Bristlebird
No	No	Dasyurus geoffroii	Chuditch, Western Quoll
No	No	Dermochelys coriacea	Leatherback Turtle, Leathery Turtle, Luth
No	No	Diomedea dabbenena	Tristan Albatross
No	No	Diomedea epomophora	Southern Royal Albatross
No	No	Diomedea sanfordi	Northern Royal Albatross
No	No	Eubalaena australis	Southern Right Whale

Direct impact	Indirect impact	Species	Common name
No	No	Falco hypoleucos	Grey Falcon
No	No	Isopogon uncinatus	Albany Cone Bush, Hook-leaf Isopogon
No	No	Limosa lapponica menzbieri	Northern Siberian Bar-tailed Godwit, Russkoye Bar-tailed Godwit
No	No	Numenius madagascariensis	Eastern Curlew, Far Eastern Curlew
No	No	Pachyptila turtur subantarctica	Fairy Prion (southern)
No	No	Parantechinus apicalis	Dibbler
Yes	Yes	Pseudocheirus occidentalis	Western Ringtail Possum, Ngwayir, Womp, Woder, Ngoor, Ngoolangit
No	No	Rhincodon typus	Whale Shark
No	No	Sphenotoma drummondii	Mountain Paper-heath
No	No	Sternula nereis nereis	Australian Fairy Tern
No	No	Thalassarche carteri	Indian Yellow-nosed Albatross
No	No	Thalassarche cauta	Shy Albatross
No	No	Thalassarche melanophris	Black-browed Albatross
No	No	Thalassarche steadi	White-capped Albatross
No	No	Tringa nebularia	Common Greenshank, Greenshank
Yes	Yes	Zanda baudinii	Baudin's Cockatoo, Baudin's Black-Cockatoo, Long-billed Black-cockatoo
Yes	Yes	Zanda latirostris	Carnaby's Black Cockatoo, Short-billed Black-cockatoo

## Ecological communities

Direct impact	Indirect impact	Ecological community
No	No	Empodisma peatlands of southwestern Australia

**4.1.4.1 Is the proposed action likely to have any direct and/or indirect impact on any of these protected matters? \***

Yes

**4.1.4.2 Briefly describe why your action has a direct and/or indirect impact on these protected matters. \***

**Blue Tinsel Lily (*Calectasia cyanea*)**

The surveys recorded Blue Tinsel Lily (Threatened, Critically Endangered) within the survey area. The DE has been amended to avoid all disturbance to Blue Tinsel Lily records. An existing cleared track is located within the Blue Tinsel Lily population, with records on both sides of the track. The DE has been amended so that the boundary of the DE and the indicative disturbance is the extent of the cleared track, and to the extent of the 50m buffer to all known records, to avoid clearing to any Blue Tinsel Lily records and their 50m buffer (Attachment 4-EPBC Supporting Information-Figure3).

Refer to Attachment 4-EPBC Supporting Information for the assessment of significant impact (Page 13 and 20).

**Western Ringtail Possum**

The Approved Conservation Advice states the current distribution of the western ringtail possum (WRP) is patchy and largely restricted to the moister south-western corner of Western Australia, especially near coastal areas of peppermint (*Agonis flexuosa*) woodland and peppermint/tuart associations from the Australind/Eaton area to the Waychinicup National Park. The DE is located within this distribution and contains suitable peppermint woodland habitat for WRP.

The main threats to the WRP are habitat loss and fragmentation, predation and changing fire regimes. The proposed activities will continue to the threat of WRP with habitat loss. The vegetation across the majority of the with the DE is already fragmented by an existing track, however additional fragmentation will occur within the western portion of the DE (1.3km). To mitigate these impacts, and reinstate WRP habitat, the pipeline will be buried and revegetation will occur post construction, along the pipeline, leaving only a 6 metre maintenance track.

Refer to Attachment 4-EPBC Supporting Information for the assessment of significant impact (Page 24 and Figure 5).

**Dibbler**

The Commonwealth Conservation Advice states dibblers were formerly widely distributed in a broad band along the west and southern coasts of Australia. Dibblers are currently restricted to three small offshore islands (Boullanger, Whitlock and Escape Islands), and at three more reintroduction sites (Peniup Nature Reserve (2001); Stirling Range National Park (2004); and 3 releases into a 380 ha fox and cat-free enclosure in Waychinicup National Park. The conservation advice states the dibbler to occur on the south coast between Denmark and Israelite Bay (therefore potentially in the DE), however the survey reports states no suitable habitat is located within the DE.

**Chuditch, Western Quoll**

The major portion of the remaining natural populations occur in varying densities in jarrah (*Eucalyptus marginata*) forests and woodlands in the south-west corner of WA, and in woodlands, mallee shrublands and heaths along the south coast, east to the Ravensthorpe area. The Southern Ecology survey report states the likelihood for occurrence in the DE is improbable (Attachment 2-SouthernEcology-2023- Table E2- page 67). Suitable habitat is present, however, the lack of secure, baited reserves in and surrounding the survey area reduces the likelihood of this species being present.

**Quokka**

In the jarrah, marri and karri forests, quokka occupy a range of forest, woodland and wetland habitats that generally have thick understorey, are nearby swamps and are close to more open, recently burnt vegetation. On the south coast, they occupy a wide range of vegetation types including swamps, riparian areas, gullies and dense coastal heath. The Southern Ecology survey report (Attachment 2-

SouthernEcology-2023- Table E2-page 67) states the likelihood for occurrence in the DE is improbable, suitable habitat is present, however the lack of secure, baited reserves in and surrounding the survey area reduces the likelihood of this species being present.

### **Black Cockatoos**

A total direct impact of 3.49 ha of suitable foraging habitat has been identified for the proposed action. The area of disturbance to BC foraging habitat has been minimized by utilising cleared land and will be mitigated by the proposed revegetation post construction. The impacts to foraging habitat are not considered significant given the availability of suitable habitat in surrounding areas, the extent and quality of foraging habitat being cleared (low to medium quality habitat), and the proposed revegetation post construction.

Fifteen unconfirmed roost sites for BC occur within 12 km of the survey area. Two confirmed roosting sites for Carnaby's Cockatoo occur approximately 6 – 9 km to the northeast in Marri Jarrah Forest/Peppermint Woodland on Mt Melville and in tall *Taxandria juniperina* trees at Lake Seppings in Albany. There are no confirmed roosting sites within 12 km for Baudin's Cockatoos or Forest Red-tailed BC. However, some BC flocks around Albany are mixed flocks comprising both Carnaby's and Baudin's Cockatoos and thus the confirmed roosting sites for Carnaby's Cockatoos may contain some Baudin's individuals (Attachment 1-EcoLogical-2021-section5.3- page 67-68; and Attachment 3-SouthernEcology-2024-section 4.1.3-page 8-9).

There are no confirmed breeding sites for any of the three BC species within 12 km of the survey area. Surveys conducted for the proposed action recorded 12 potential BC breeding trees (*Eucalyptus cornuta*) within the survey area with a diameter at breast height (DBH)  $\geq 500$  mm. None of these contained hollows with an opening greater than 100 mm and therefore no current suitable BC breeding is present within the DE (Attachment 3-SouthernEcology-2024-section 4.1.3-page 8-9).

Further detail can be found in Attachment 4-EPBC Supporting Information (see page 30 and Figure 5)

### ***Empodisma* peatlands of southwestern Australia**

Approved Conservation Advice for *Empodisma* peatlands, describes the TEC as occurring in freshwater, peat-based wetlands (including within damplands, troughs, paluslopes, palusplains and palusmonts floodplains and typically comprises sedgeland to shrubland vegetation complex on peaty substrates that almost always includes the perennial grass-like twig rush *Empodisma gracillimum* (tanglefoot). *Empodisma* peatlands are linked to seasonal or permanent waterlogging. The conservation advice for this TEC lists clearing, hydrological changes (anthropogenic), weeds, diseases, among others, as threats to this community.

Detailed surveys undertaken across the proposed action identified that the vegetation and hydrology of the land within the DE is not characteristic of the *Empodisma* peatlands of southwestern Australia TEC (Attachment 1-EcoLogical-2021-section 5.1.2.2-page 64-65; and Attachment 3-SouthernEcology-2024-section 4.1.3-page 8-9). Therefore, no vegetation representing the *Empodisma* peatlands is proposed to be cleared for the proposed action.

While no direct impact is likely to occur from the proposed action, the conservation advice for this TEC lists hydrological changes as threats to this community. Given this, the proposed action has the potential to indirectly impact this TEC from the groundwater abstraction at bores 12/16 and 14/09.

Groundwater abstraction from the Werillup borefield (in Grasmere groundwater area) is regulated under the *Rights in Water and Irrigation Act 1914* (RIWI Act) and managed in accordance with the Water Resource Management Operating Strategy (WRMOS) as a condition of the RIWI Act approval. Bores 12/16 and 14/09 are planned to be abstracted in combination with the other seven operational bores forming the Werillup borefield under the existing Werillup (Grasmere) groundwater licence GW 83176(11) which holds a current annual water entitlement of 2.5 GL. It is important to note that an increase in annual groundwater abstraction is not proposed under this proposed action.

(Further information is provided in Attachment 4-EPBC Supporting Information, page 18)

**Subtropical and Temperate Coastal Saltmarsh.**

Approved Conservation Advice for Subtropical and Temperate Coastal Saltmarsh describes the TEC as occurring in coastal areas under regular or intermittent tidal influence and in association with estuaries. WA coastal areas support an entire series of saline coastal wetlands that abut typical coastal saltmarshes, including saline lakes on the coast and offshore islands, coastal lagoons (open and closed) and the birridas (gypsum claypans) that are wetlands connected to the sea in various ways, and contain typical saltmarsh vegetation. The vegetation and hydrology of the proposed clearing is not characteristic of the Subtropical and Temperate Coastal Saltmarsh TEC (Attachment 1-EcoLogical-2021-section 5.1.2.2-page 64-65; and Attachment 3-SouthernEcology-2024-section 4.1.3-page 8-9).

Groundwater modelling has been undertaken to predict the groundwater drawdown from the entire Werillup Borefield i.e. groundwater abstraction not limited to groundwater bores 12/16 and 14/09. Groundwater abstraction influence from the Werillup Borefield (in Grasmere groundwater area) does not extend to the Subtropical and Temperate Coastal Saltmarsh TEC and therefore does not impact the Subtropical and Temperate Coastal Saltmarsh TEC.

(Further information is provided in Attachment 4-EPBC Supporting Information, page 18).

**4.1.4.4 Do you consider this likely direct and/or indirect impact to be a Significant Impact?**

\*

No

**4.1.4.6 Describe why you do not consider this to be a Significant Impact. \***

See Attachment 4-EPBC Supporting Information-Section 3-page 20-36 for further information

**4.1.4.7 Do you think your proposed action is a controlled action? \***

No

**4.1.4.9 Please elaborate why you do not think your proposed action is a controlled action. \***

\*

Based on the assessment presented within this document and the referral form, the proposed action is unlikely to result in significant impacts to MNES and it is considered that the proposed action is "Not a Controlled Action".

Avoidance and mitigation measures will be implemented as outlined in the Environmental Management Plan. Groundwater abstraction will be managed under the RIWI Act. With the implementation of these measures, no significant impacts to MNES from the proposed action are expected. A summary of the impacts from the proposed action are provided in Attachment 4-EPBC Supporting Information-Table 5-page 37.

**4.1.4.10 Please describe any avoidance or mitigation measures proposed for this action and attach any supporting documentation for these avoidance and mitigation measures. \***

See Attachment 4-EPBC Supporting Information-section 4-page 36 for further information.

Water Corporation has an Environmental Management System (EMS) that is externally certified to ISO 14001. This system has been developed to manage environmental impacts associated with the Water Corporation's activities. All works undertaken for this action will be undertaken in accordance with the EMS. In addition to the management measures outlined in the EMS, an Environmental Management Plan (Appendix F of the referral form) has been prepared to outline site specific measures to avoid and reduce potential impacts from the proposed action to MNES.

To ensure the proposed action has no significant impacts on MNES the following measures have been undertaken:

- Clearing has been reduced as far as practicable by utilising existing cleared tracks where possible,
- Avoidance of all suitable and potential BC breeding habitat trees,  
Avoidance of all Blue Tinsel lily populations and critical habitat within a 50 m buffer,
- No clearing of suitable BC breeding habitat ,
- No clearing of habitat considered significant for WRP ,
- No clearing of vegetation considered representative of the Empodisma peatlands TEC or the Subtropical and Temperate Coastal Saltmarsh TEC.

Furthermore, the clearing of native vegetation and construction activities have the potential to spread or introduce weeds into vegetation adjacent to the proposed action that can impact the quality of habitat values for MNES. Best practice weed and hygiene management will be undertaken during the project works to ensure there is no introduction or spread of weeds or disease surrounding and within the proposed action. The management measures presented in the Environmental Management Plan (Appendix F of the referral form) outlines the minimum hygiene management requirements for the proposed action.

**4.1.4.11 Please describe any proposed offsets and attach any supporting documentation relevant to these measures. \***

Given the impacts are not considered to be significant, no offset has been proposed.

See Attachment 4-EPBC Supporting Information-Section3-page 20-36 and section 4-page-36

**4.1.5 Migratory Species**

You have identified your proposed action will likely directly and/or indirectly impact the following protected matters.

A direct impact is a direct consequence of an action taken – for example, clearing of habitat for a threatened species or permanent shading on an ecological community as the result of installing solar panels.

An indirect impact is an 'indirect consequence' such as a downstream impact or a facilitated third-party action.

Direct impact	Indirect impact	Species	Common name
No	No	<i>Actitis hypoleucos</i>	Common Sandpiper
No	No	<i>Apus pacificus</i>	Fork-tailed Swift
No	No	<i>Ardenna carneipes</i>	Flesh-footed Shearwater, Fleshy-footed Shearwater
No	No	<i>Balaenoptera musculus</i>	Blue Whale
No	No	<i>Calidris acuminata</i>	Sharp-tailed Sandpiper
No	No	<i>Calidris canutus</i>	Red Knot, Knot
No	No	<i>Calidris ferruginea</i>	Curlew Sandpiper
No	No	<i>Calidris melanotos</i>	Pectoral Sandpiper
No	No	<i>Carcharhinus longimanus</i>	Oceanic Whitetip Shark
No	No	<i>Carcharias taurus</i>	Grey Nurse Shark
No	No	<i>Carcharodon carcharias</i>	White Shark, Great White Shark
No	No	<i>Caretta caretta</i>	Loggerhead Turtle
No	No	<i>Charadrius leschenaultii</i>	Greater Sand Plover, Large Sand Plover
No	No	<i>Chelonia mydas</i>	Green Turtle
No	No	<i>Dermochelys coriacea</i>	Leatherback Turtle, Leathery Turtle, Luth
No	No	<i>Diomedea dabbenena</i>	Tristan Albatross
No	No	<i>Diomedea epomophora</i>	Southern Royal Albatross
No	No	<i>Diomedea sanfordi</i>	Northern Royal Albatross
No	No	<i>Eubalaena australis</i>	Southern Right Whale
No	No	<i>Hydroprogne caspia</i>	Caspian Tern
No	No	<i>Limosa lapponica</i>	Bar-tailed Godwit
No	No	<i>Motacilla cinerea</i>	Grey Wagtail



Direct impact	Indirect impact	Species	Common name
No	No	Numenius madagascariensis	Eastern Curlew, Far Eastern Curlew
No	No	Orcinus orca	Killer Whale, Orca
No	No	Rhincodon typus	Whale Shark
No	No	Thalassarche carteri	Indian Yellow-nosed Albatross
No	No	Thalassarche cauta	Shy Albatross
No	No	Thalassarche melanophris	Black-browed Albatross
No	No	Thalassarche steadi	White-capped Albatross
No	No	Tringa nebularia	Common Greenshank, Greenshank

**4.1.5.1 Is the proposed action likely to have any direct and/or indirect impact on any of these protected matters? \***

No

**4.1.5.3 Briefly describe why your action is unlikely to have a direct and/or indirect impact.**

\*

The desktop search results indicated the likelihood for migratory birds to occur within the proposed action (See Appendix C EPBC Supporting Information Document, Table 4, page 10-11). The proposed activities are unlikely to impact birds in flight. The hectares of disturbance to native vegetation for foraging habitat is relatively small compared to surrounding areas and there is opportunity for migratory birds to use neighbouring naïve vegetation outside of the proposed action. Post construction, land within the proposed action boundary will be partly revegetated (leaving only a service corridor) and post-vegetation, habitat for foraging migratory birds will be reinstated.

The proposed action does not contain wetland vegetation and therefore not suitable habitat for wetland migratory birds.

**4.1.6 Nuclear**

**4.1.6.1 Is the proposed action likely to have any direct and/or indirect impact on this protected matter? \***

No

**4.1.6.3 Briefly describe why your action is unlikely to have a direct and/or indirect impact.**

\*

The proposal action does not involve a nuclear action.

**4.1.7 Commonwealth Marine Area**

You have identified your proposed action will likely directly and/or indirectly impact the following protected matters.

A direct impact is a direct consequence of an action taken – for example, clearing of habitat for a threatened species or permanent shading on an ecological community as the result of installing solar panels.

An indirect impact is an 'indirect consequence' such as a downstream impact or a facilitated third-party action.

—

**4.1.7.1 Is the proposed action likely to have any direct and/or indirect impact on any of these protected matters? \***

No

**4.1.7.3 Briefly describe why your action is unlikely to have a direct and/or indirect impact.**

\*

The proposed action is not located within or nearby any Commonwealth Marine Areas.

**4.1.8 Great Barrier Reef**

**4.1.8.1 Is the proposed action likely to have any direct and/or indirect impact on this protected matter? \***

No

**4.1.8.3 Briefly describe why your action is unlikely to have a direct and/or indirect impact.**

\*

The proposed action is not located within or near the Great Barrier Reef.

**4.1.9 Water resource in relation to large coal mining development or coal seam gas**

**4.1.9.1 Is the proposed action likely to have any direct and/or indirect impact on this protected matter? \***

No

**4.1.9.3 Briefly describe why your action is unlikely to have a direct and/or indirect impact.**

\*

The proposed action does not involve coal mining or coal seam gas.

**4.1.10 Commonwealth Land**

You have identified your proposed action will likely directly and/or indirectly impact the following protected matters.

A direct impact is a direct consequence of an action taken – for example, clearing of habitat for a threatened species or permanent shading on an ecological community as the result of installing solar panels.

An indirect impact is an 'indirect consequence' such as a downstream impact or a facilitated third-party action.

—

**4.1.10.1 Is the proposed action likely to have any direct and/or indirect impact on any of these protected matters? \***

No

**4.1.10.3 Briefly describe why your action is unlikely to have a direct and/or indirect impact. \***

The proposed action is not located on Commonwealth Land

**4.1.11 Commonwealth Heritage Places Overseas**

You have identified your proposed action will likely directly and/or indirectly impact the following protected matters.

A direct impact is a direct consequence of an action taken – for example, clearing of habitat for a threatened species or permanent shading on an ecological community as the result of installing solar panels.

An indirect impact is an 'indirect consequence' such as a downstream impact or a facilitated third-party action.

—

**4.1.11.1 Is the proposed action likely to have any direct and/or indirect impact on any of these protected matters? \***

No

**4.1.11.3 Briefly describe why your action is unlikely to have a direct and/or indirect impact. \***

The proposed action is not located on any overseas Commonwealth heritage places

**4.1.12 Commonwealth or Commonwealth Agency**

#### 4.1.12.1 Is the proposed action to be taken by the Commonwealth or a Commonwealth Agency? \*

No

## 4.2 Impact summary

### Conclusion on the likelihood of significant impacts

You have indicated that the proposed action will likely have a significant impact on the following Matters of National Environmental Significance:

*None*

### Conclusion on the likelihood of unlikely significant impacts

You have indicated that the proposed action will unlikely have a significant impact on the following Matters of National Environmental Significance:

- World Heritage (S12)
- National Heritage (S15B)
- Ramsar Wetland (S16)
- Threatened Species and Ecological Communities (S18)
- Migratory Species (S20)
- Nuclear (S21)
- Commonwealth Marine Area (S23)
- Great Barrier Reef (S24B)
- Water resource in relation to large coal mining development or coal seam gas (S24D)
- Commonwealth Land (S26)
- Commonwealth Heritage Places Overseas (S27B)
- Commonwealth or Commonwealth Agency (S28)

## 4.3 Alternatives

### 4.3.1 Do you have any possible alternatives for your proposed action to be considered as part of your referral? \*

No

### 4.3.8 Describe why alternatives for your proposed action were not possible. \*

Water Corporation has conducted several investigations, surveys and engagement of stakeholders over a number of years during the planning phase of the project to identify the ideal alignment. The alignment has been designed to avoid impacts to MNES, in particular suitable nesting trees for black cockatoos and conservation significant flora. The engineering design work has also aimed to minimise the clearing footprint to minimise clearing and impacts to flora, vegetation and fauna.

See Attachment 4-EPBC Supporting Information-Section 4-page 36 for further information.

## 5. Lodgement

## 5.1 Attachments

## 1.3.2.17 (Person proposing to take the action) Proposer's history of responsible environmental management

	Type	Name	Date	Sensitivity	Confidence
#1.	Document	Attachment 5-Water Corporation Environment Policy.pdf Water Corporations Environmental Policy	31/03/2023	No	High

## 1.3.2.18 (Person proposing to take the action) If the person proposing to take the action is a corporation, provide details of the corporation's environmental policy and planning framework

	Type	Name	Date	Sensitivity	Confidence
#1.	Document	Attachment 5 Water Corporation Environment Policy.pdf Water Corporations Environmental Policy	31/03/2023	No	High

## 3.1.1 Current condition of the project area's environment

	Type	Name	Date	Sensitivity	Confidence
#1.	Document	Attachment 1-EcoLogical-2021-v2-20250307.pdf Eco Logical Biological Survey Report	22/12/2021	No	High
#2.	Document	Attachment 2-SouthernEcology-2023 - v2-20250307.pdf Southern Ecology Biological Survey Report 2023	29/06/2023	No	High
#3.	Document	Attachment 3-SouthernEcology-2024 - v2-20250307.pdf Southern Ecology Addendum Biological Survey Report	01/02/2024	No	High
#4.	Document	Attachment 4-EPBC Supporting Information - v2-20250307.pdf EPBC Referral supporting information	14/02/2025	No	High

## 3.1.3 Natural features, important or unique values that applies to the project area

	Type	Name	Date	Sensitivity	Confidence
#1.	Document	Attachment 6 - PMST - June 26th 2024 1km_1.pdf PMST	26/06/2024	No	High

## 3.2.1 Flora and fauna within the affected area

	Type	Name	Date	Sensitivity	Confidence
#1.	Document	Attachment 1-EcoLogical-2021-v2-20250307.pdf	21/12/2021	No	High



Eco Logical Biological Survey Report					
#2.	Document	Attachment 2-SouthernEcology-2023 - v2-20250307.pdf Southern Ecology Biological Survey Report 2023	28/06/2023	No	High
#3.	Document	Attachment 3-SouthernEcology-2024 - v2-20250307.pdf Southern Ecology Addendum Biological Survey Report	31/01/2024	No	High
#4.	Document	Attachment 4-EPBC Supporting Information - v2-20250307.pdf EPBC Referral supporting information	13/02/2025	No	High

## 3.2.2 Vegetation within the project area

	Type	Name	Date	Sensitivity	Confidence
#1.	Document	Attachment 4-EPBC Supporting Information - v2-20250307.pdf EPBC Referral supporting information	13/02/2025	No	High

## 4.1.4.2 (Threatened Species and Ecological Communities) Why your action has a direct and/or indirect impact on the identified protected matters

	Type	Name	Date	Sensitivity	Confidence
#1.	Document	Attachment 1-EcoLogical-2021-v2-20250307.pdf Eco Logical Biological Survey Report	21/12/2021	No	High
#2.	Document	Attachment 3-SouthernEcology-2024 - v2-20250307.pdf Southern Ecology Addendum Biological Survey Report	31/01/2024	No	High
#3.	Document	Attachment 4-EPBC Supporting Information - v2-20250307.pdf EPBC Referral supporting information	13/02/2025	No	High

## 4.1.4.6 (Threatened Species and Ecological Communities) Why you do not consider the direct and/or indirect impact to be a Significant Impact

	Type	Name	Date	Sensitivity	Confidence
#1.	Document	Attachment 4-EPBC Supporting Information - v2-20250307.pdf EPBC Referral supporting information	13/02/2025	No	High

## 4.1.4.9 (Threatened Species and Ecological Communities) Why you do not think your proposed action is a controlled action

	Type	Name	Date	Sensitivity	Confidence
#1.	Document				

Attachment 4-EPBC Supporting  
Information - v2-20250307.pdf  
EPBC Referral supporting information

13/02/2025 No

High

## 4.1.4.10 (Threatened Species and Ecological Communities) Avoidance or mitigation measures proposed for this action

	Type	Name	Date	Sensitivity	Confidence
#1.	Document	Attachment 4-EPBC Supporting Information - v2-20250307.pdf EPBC Referral supporting information	13/02/2025	No	High

## 4.1.4.11 (Threatened Species and Ecological Communities) Proposed offsets relevant to avoidance or mitigation measures

	Type	Name	Date	Sensitivity	Confidence
#1.	Document	Attachment 4-EPBC Supporting Information - v2-20250307.pdf EPBC Referral supporting information	13/02/2025	No	High

## 4.3.8 Why alternatives for your proposed action were not possible

	Type	Name	Date	Sensitivity	Confidence
#1.	Document	Attachment 4-EPBC Supporting Information - v2-20250307.pdf EPBC Referral supporting information	13/02/2025	No	High

## 5.2 Declarations

## ✔ Completed Referring party's declaration

The Referring party is the person preparing the information in this referral.

ABN/ACN	28003434917
Organisation name	WATER CORPORATION
Organisation address	629 Newcastle Street, Leederville WA 6007
Representative's name	Aaron Thorburn
Representative's job title	Team Leader - Environmental Approvals
Phone	(08) 9420 2843
Email	environment@watercorporation.com.au
Address	629 Newcastle Street, Leederville WA 6007

☒ Check this box to indicate you have read the referral form. \*

☒ I would like to receive notifications and track the referral progress through the EPBC portal. \*

☒ By checking this box, I, **Aaron Thorburn of WATER CORPORATION**, declare that to the best of my knowledge the information I have given on, or attached to this EPBC Act Referral is complete, current and correct. I understand that giving false or misleading information is a serious offence. \*

☒ I would like to receive notifications and track the referral progress through the EPBC portal. \*

## ✔ Completed Person proposing to take the action's declaration

The Person proposing to take the action is the individual, business, government agency or trustee that will be responsible for the proposed action.

Same as Referring party information.

☒ Check this box to indicate you have read the referral form. \*

☒ I would like to receive notifications and track the referral progress through the EPBC portal. \*

☒ I, **Aaron Thorburn of WATER CORPORATION**, declare that to the best of my knowledge the information I have given on, or attached to the EPBC Act Referral is complete, current and correct. I understand that giving false or misleading information is a serious offence. I declare that I am not taking the action on behalf or for the benefit of any other person or entity. \*

☒ I, **Aaron Thorburn of WATER CORPORATION**, the Person proposing the action, consent to the designation of **Aaron Thorburn of WATER CORPORATION** as the Proposed designated proponent for the purposes of the action described in this EPBC Act Referral. \*

☒ I would like to receive notifications and track the referral progress through the EPBC portal. \*

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### ☒ Completed Proposed designated proponent's declaration

The Proposed designated proponent is the individual or organisation proposed to be responsible for meeting the requirements of the EPBC Act during the assessment process, if the Minister decides that this project is a controlled action.

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Same as Person proposing to take the action information.

☒ Check this box to indicate you have read the referral form. \*

☒ I would like to receive notifications and track the referral progress through the EPBC portal. \*

☒ I, **Aaron Thorburn of WATER CORPORATION**, the Proposed designated proponent, consent to the designation of myself as the Proposed designated proponent for the purposes of the action described in this EPBC Act Referral. \*

☒ I would like to receive notifications and track the referral progress through the EPBC portal. \*