

PENTIUM
WATER



NINGALOO LIGHTHOUSE RESORT PROJECT

Visitor Management Plan

Rev 4
February 2023



Document Status

Version	Purpose of document	Authorised by	Reviewed by	Review Date
Draft A	Draft for review	John Halleen		30/04/2022
Draft B	Draft for review	John Halleen		27/05/2022
Rev 0	Final for issue	John Halleen		09/06/2022
Rev 1	Final for issue	John Halleen		14/07/2022
Rev 2	Final for issue	John Halleen		02/11/2022
Rev 3	Final for issue	John Halleen		02/11/2022
Rev 4	Final for issue	John Halleen		02/02/2023

Approval for Issue

Name	Signature	Date
John Halleen		05/02/2023

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Version: Rev 1
Date: 14 July 2022

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Acknowledgement

Pentium Water Pty Ltd acknowledges that the content of this management plan includes figures from Strategen JBS&G.



Executive Summary

Z1Z Resorts Pty Ltd (Z1Z Resorts) is proposing to redevelop the Ningaloo Lighthouse Holiday Park (caravan park), on Lot 2 and Lot 557 Yardie Creek Road, North West Cape (the site). The Ningaloo Lighthouse Holiday Park (caravan park) and service station has been operating since the early 1990s. The proposed redevelopment, the Ningaloo Lighthouse Resort Project, is located approximately 18 kilometres (km) northwest of the Exmouth town site at Padjari Manu (Vlamingh Head).

Figures A and 1 illustrates the location of the existing caravan park (Ningaloo Lighthouse Holiday Park) which is the site of the proposed resort re-development.

Ningaloo Lighthouse Resort Proposal

The Proposal will deliver a high-quality re-development of the existing ageing caravan park tourism facility on site and provide a range of accommodation options and amenities that will enhance the attractiveness of the region for both local and international visitors. The 'new' resort, aligning with the Tourism WA and national Ningaloo destination marketing campaigns, will be targeting tourist seeking:

- A place dedicated to low-impact environmental stewardship within the World Heritage Area which provides access to Ningaloo's immersive wilderness experiences.
- Personalised experience of the Ningaloo Coast's natural wonders, such as, swimming with whale sharks, humpback whale and turtles.
- Sustainable tourism best practices.

A summary of the Proposal is provided in Table 1.

Table 1: Ningaloo Lighthouse Resort Project

Element	Description
Proposal Title	Ningaloo Lighthouse Resort Project, Yardie Creek Road, North West Cape
Proponent	Z1Z Resorts Pty Ltd
Location	<ul style="list-style-type: none"> ▪ The resort is located within Lot 2 and Lot 557 Yardie Creek Road. Lot 2 and Lot 557 Yardie Creek Road land area totals 45.34 hectares (ha) ▪ The re-development area (inclusive of the resort infrastructure) is limited to approximately 13.63 ha (within the 45.34 ha site boundary)
Land use Zoning	<ul style="list-style-type: none"> ▪ 'Special Use – Zone 2' (Tourism accommodation, camping ground, caravan park shop, café). ▪ The site has been used for this land use purpose (caravan park) for over 30 years
Purpose of the Visitor Management Plan	<ul style="list-style-type: none"> ▪ Provide the framework to address resort visitor behaviour through education and the promotion that fosters awareness and protection of the Ningaloo Coast World Heritage Area. Specifically, this plan and the resort will: <ul style="list-style-type: none"> ○ Establish the guidelines for a Visitor Code of Conduct. ○ Integrate the resort visitor education program with DBCA's comprehensive visitor management framework for the Ningaloo Coast World Heritage Area. ○ Facilitate Ningaloo experiences with licenced, accredited and sustainably operated tourist operators.
Proposed construction date	2023

The Ningaloo Lighthouse Resort Project has been subject to an accredited assessment between the WA Environmental Protection Authority (EPA) and the Commonwealth department of Climate Change, the Environment, Energy and Water (DCCEEW) under the WA *Environmental Protection Act* (EP Act) and *Environment Protection and Biodiversity Conservation Act 1999* (EPBC Act) respectively. This environmental impact assessment



process has incorporated review and advice by other relevant agencies, including the State Department of Biodiversity, Conservation and Attractions (DBCA).

The environmental impact assessment identified the following potential resort visitor risks:

- Inappropriate visitor interactions which potentially disturbs:
 - nesting turtles
 - resting female turtles; and
 - turtle hatchlings
- Inappropriate visitor interactions within DBCA's marine park zones.
- Management of Kapok weed species within the resort boundary and educating resort visitors on the potential risk of weed transport by vehicles and footwear.
- Visitor interactions may potentially disturb nesting, roosting and foraging seabirds and shorebirds.
- Visitor interactions with wildlife.

Accordingly, DBCA and Commonwealth DCCEEW advised that the identified visitor risks would be addressed in a Visitor Management Plan.

Visitor Management Plan - Purpose

The purpose of this Visitor Management Plan is to:

1. Provide the framework to address resort visitor behaviour through education and the promotion that fosters awareness and protection of the Ningaloo Coast World Heritage Area. Specifically, this plan and the resort will:
 - a. Integrate the resort visitor education program with DBCA's comprehensive visitor management framework for the Ningaloo Coast World Heritage Area.
 - b. Facilitate Ningaloo experiences with licenced, accredited and sustainably operated tourist operators.

Local Ningaloo Lighthouse Resort Project Context

The resort is located within the Vlamingh Head tourism node which is within and/or adjacent to the following conservation land uses and heritage sites (Figure 2):

- The Ningaloo Coast World Heritage Area.
- Ningaloo Marine Park.
- Jurabi Coastal Park coastal reserve which is jointly managed by the Department of Biodiversity, Conservation and Attractions (DBCA) and the Shire of Exmouth.
- Registered Aboriginal Site 10381 – Vlaming Head (ceremonial and mythological site) (Figure 3).
- Vlamingh Head Lighthouse (Padjari Manu) lookout (located adjacent to the resort).
- Vlamingh Head Lighthouse Keepers' Quarters (located within the resort site).

Tourism WA identified in 2021 there was approximately 5.2 million visitors to the Ningaloo Coast region and this visitation number was without the assistance of overseas visitors due to Covid-19 travel restrictions (Tourism WA, 2021).

At a local scale, the existing Ningaloo Lighthouse Holiday Park (caravan park) operating capacity is 1,020 people. The re-developed resort reduces the former Ningaloo Lighthouse Holiday Park peak visitor numbers by approximately 440 people. The re-developed resort proposes a peak visitor number of approximately 580 people comprising 532 overnight guests and 48 staff.



Regional Management Context

The resort's footprint (or re-development area) is 13.63 ha. Regionally, the proposed resort is located adjacent to the 604,500 ha Ningaloo Coast World Heritage Area (Figure 2).

Currently, the Ningaloo Coast World Heritage Area provides for low-impact, remote, nature-based recreation and appreciation of the area's natural, cultural and scenic values. Visitors can expect a remote and natural experience when visiting the Ningaloo Coast area. However, it cannot be assumed that Ningaloo Coast visitor's hold an understanding of the Ningaloo Coast World Heritage Area values and management controls.

The DBCA (in partnership with traditional owners Nganhurra Thanardi Garrbu Aboriginal Corporation (NTGAC) and the Shire of Exmouth) has primary responsibility for the management of visitors within the Ningaloo Coast World Heritage Area. DBCA's management is supported by the independent Ningaloo Coast World Heritage Advisory Committee.

The DBCA has an established framework for managing visitor behaviour founded on the following elements:

1. Understanding visitor destinations / use (and seasonal use patterns) and heritage sites across the Ningaloo Coast World Heritage Area.
2. Communicating the values of the Ningaloo Coast World Heritage Area via the following:
 - a. Dedicated webpage (<https://parks.dpaw.wa.gov.au/tourism-region/ningaloo-coast-world-heritage-area>) and Marine Parks WA smartphone app.
 - b. Ningaloo Coast World Heritage Area – visitor guide brochure.
 - c. Management Plans (including Nyinggulu (Ningaloo) coastal reserves, Cape Range National Park Management Plan, Jurabi and Bundegi Coastal Parks and the Management Plan for the Ningaloo Marine Park and Muiron Islands Marine Management Area).
 - d. DBCA Pilbara Region and the Ningaloo Turtle Program Facebook pages.
3. Visitor management education including:
 - a. Ningaloo Coast World Heritage Area values and sanctuary zones management maps.
 - b. Kayaking within Ningaloo Marine Park - information brochure.
 - c. Spearfishing in Ningaloo Marine Park - information brochure.
 - d. Turtle Watching Code of Conduct - information brochure.
 - e. Management Program for humpback whale interactions along the Ningaloo Coast - information brochure.
 - f. Campground locations and visitor management requirements at campsites – maps and information brochure.
 - g. Weeds threatening the Ningaloo Coast World Heritage Area.
 - h. Department of Primary Industries and Regional Development - recreational fishing guides.
4. Investment in physical and organisational structures and facilities including:
 - a. Park Rangers.
 - b. Milyering Discovery and Jurabi Turtle visitor centres.
 - c. Tourist operator licencing.
 - d. Dedicated road networks, carparks and campgrounds.
 - e. Management of campsites.
 - f. Signage for visitors accessing the Ningaloo Coast World Heritage Area.
 - g. Rubbish collection points.
5. Monitoring programs including:
 - a. Ningaloo Resilient Reef Initiative (NRRI) program.
 - b. Visitor expectations of use and access within Ningaloo Coast World Heritage Area.
 - c. Targeted monitoring of sea turtles (Ningaloo Turtle Program (NTP)), shorebirds, humpback whales, whale sharks and Black-flanked Rock Wallaby monitoring program.
 - d. Weed management control program.
 - e. Feral animal control program.
 - f. Signage along access roads, carparks & camping grounds.



6. Looking to the Future.

- a. Ongoing reviews of management plans and governance arrangements in response to changing environmental condition(s).
- b. DBCA is a member on the Exmouth Gulf Taskforce established as an advisory body, under section 25 of the EP Act.

The Ningaloo Coast 2020 Conservation Outlook Assessment rated DBCA's tourism and visitation management framework as "highly effective". The assessment concludes:

"DBCA continues to incorporate World Heritage interpretive information across the World Heritage area with a continual review of the following visitor information including Ningaloo Marine Park zoning signage, Jurabi Turtle Centre, Milyering Discovery Centre, Coral Bay Information Centre, Marine Park and National Park entry signage, visitor information – multimedia and hard copy print" (IUCN Consultation, 2020).

Complementing DBCA's management framework are:

- Western Australian Planning Commission (WAPC) Ningaloo Coast planning controls and polices including:
 - Ningaloo coast State Planning Policy 6.3 (WAPC, 2004).
 - Gascoyne Coast Sub-regional Strategy (WAPC, 2018).
 - Ningaloo Coast Regional Strategy Carnarvon to Exmouth (WAPC, 2019).
 - Position Statement: Dark sky and astrotourism (WAPC, 2020)
- The NTP is a community volunteer conservation project led by DBCA. The program is responsible for collecting valuable information on turtle species, nests, tracks, disturbance, and predation during nesting season.
- Community organisations which undertake important community awareness program(s) and management actions including coastal foreshore clean ups implemented by local conservation groups and volunteers.

Ningaloo Lighthouse Resort's Visitor Management Framework

In recognition of the Ningaloo Coast 2020 Conservation Outlook Assessment the resort visitors will be managed in accordance with the following principles:

- Respect for Baiyungu, Thalanyji and Yinikurtura People as custodians of the land and water.
- Providing visitors with the necessary information / education material they need to make positive choices at the following scales:
 - Regionally (applying DBCA's visitor education & wider management framework).
 - Locally (applying resort specific visitor education & management framework).
- Facilitating Ningaloo Coast experiences for resort visitors by engaging with DBCA licenced / accredited tourism operators (where required).

The 2020 Ningaloo Coast Conservation Outlook Assessment concluded the:

"Ningaloo Coast has an effective range of management plans, strategies and qualified staff to mitigate pressures from increasing visitation and to ensure the protection and conservation of natural values of the Ningaloo Coast World Heritage Area" (IUCN Consultation, 2020).

In this context, the visitor management focus is on providing resort visitors with access to DBCA's Ningaloo Coast World Heritage Area visitor information. Accordingly, this management plan should be viewed as part of a wider management framework for the lands and waters that occur within and around the resort area, in particular the adjoining Ningaloo Marine Park and Jurabi Coastal Park and nearby Cape Range National Park.



The regional visitor management / education actions applicable to the resort visitors are outlined in Table 2. In addition, Table 2 defines the resort staff education / induction program.

At the resort level, local visitor management / education actions have been prepared to address:

- Visitor Code of Conduct which will address the following education and visitor management elements:
 - Visitor education on the “Outstanding Universal Values for the Ningaloo Coast World Heritage” including:
 - The World Heritage Outstanding Universal Value Criteria.
 - The role of DBCA as the primary government agency responsible for the management of the Ningaloo Coast (supported by the Ningaloo Coast World Heritage Advisory Committee).
 - Key information (for example using DBCA’s Ningaloo Coast visitor information and Commonwealth DCCEEW – World Heritage Places – The Ningaloo Coast webpages) that enables visitors to:
 - Understand the uniqueness and value of the Ningaloo World Heritage Area; and DBCA’s existing education and management framework in place to protect it.
 - Resort’s turtle & seabird/shorebird visitor guidelines (which includes management actions from DBCA’s Turtle Watching Code of Conduct and the Turtle Management Plan).
 - Resort night lighting (or dark sky) controls (consistent with the Artificial Light Management Plan (ALMP) & Turtle Management Plan).
 - Padjari Manu (Vlaming Head) and Lighthouse Beach access pathways.
 - Aboriginal heritage sites and their significance.
 - Speed limit within the resort for cars / caravans.
- The Department of Defence’s Space Surveillance (SST) facility and the requirement for ‘Dark Skies’ as a component of the resort’s night lighting controls and education program.
- Resort’s weed management program targeting specifically the Kapok (*Aerva javanica*) weed population.
- Waste management and wildlife encounters education program including “Dingo Aware” education material.
- Recreation fishing guidelines.

Lighthouse Beach Access

The proposed foreshore pathways will be located within the Jurabi and Bundegi Coastal Parks which is jointly managed by DBCA and the Shire of Exmouth. The resort visitors (and potentially other local visitors) will access Lighthouse Bay Beach through the formalising of the historical informal coastal track(s) located within the Lighthouse Bay foreshore. The formalised beach access paths (using the historically cleared walking trails) will be agreed in liaison with DBCA and the Shire of Exmouth. The other historical informal beach access tracks within the foreshore not identified or required as beach access paths will be formally closed by Z1Z Resorts Pty Ltd. The beach access paths will be appropriately signed and defined for resort (and local) visitors.

The resort’s visitor management actions and education programs are outlined in Table 3.



Table 2: Visitor Management/Education Actions (Regional)

Visitor education on the Ningaloo World Heritage Area values & integration of DBCA’s Ningaloo Coast visitor management education framework			
<p>Objective: Educate resort visitors on:</p> <ul style="list-style-type: none"> ▪ The values of the Ningaloo World Heritage Area including: <ul style="list-style-type: none"> ○ Educate visitors on the “Outstanding Universal Values for the Ningaloo Coast World Heritage” including: <ul style="list-style-type: none"> ▪ The World Heritage Outstanding Universal Value Criteria. ▪ The role of DBCA as the primary government agency responsible for the management of the Ningaloo Coast (supported by the Ningaloo Coast World Heritage Advisory Committee). ▪ Key information that enables visitors to understand the uniqueness and value of the Ningaloo World Heritage Area, and DBCA’s existing education and management framework in place to protect it. ▪ Visitor management controls. <p>Educate key resort staff on:</p> <ul style="list-style-type: none"> ▪ The values of the Ningaloo World Heritage Area including: <ul style="list-style-type: none"> ○ Educate visitors on the “Outstanding Universal Values for the Ningaloo Coast World Heritage” including: <ul style="list-style-type: none"> ▪ The World Heritage Outstanding Universal Value Criteria. ▪ The role of DBCA as the primary government agency responsible for the management of the Ningaloo Coast (supported by the Ningaloo Coast World Heritage Advisory Committee). ▪ Key information that enables visitors to understand the uniqueness and value of the Ningaloo World Heritage Area, and the existing education and management framework in place to protect it. ▪ Visitor management controls including: <ul style="list-style-type: none"> ○ Visitor Code of Conduct ○ DBCA’s Ningaloo Coast World Heritage Area – visitor guide brochure. ○ DBCA’s Turtle Watching Code of Conduct. ○ Aboriginal heritage sites and their significance. ○ Resort’s turtle & seabird/shorebird visitor management guidelines. ○ Resort’s ‘dark sky’ lighting management controls and its importance for: <ul style="list-style-type: none"> ▪ Marine turtles and seabirds / shorebirds ▪ Department of Defence (DoD) Space Surveillance (SST) facility ○ Padjari Manu (Vlaming Head) and Lighthouse Beach access pathways. ○ Weed management actions. ○ Waste disposal and wildlife interaction including “Dingo Aware” education material. ○ Recreational fishing. 			
Ningaloo Coast Management Framework	DBCA’s / Commonwealth DCCEEW visitor management framework (regional)	Resort visitor management actions (local)	Timing / frequency of actions
<ul style="list-style-type: none"> ▪ Ningaloo Coast World Heritage Area Strategic Management Framework (IUCN, 2011; World Heritage Committee, 2011). ▪ <i>Conservation and Land Management Act 1984</i> (CALM Act) / <i>Biodiversity Act 2016</i>. ▪ <i>Environment Protection and Biodiversity Conservation Act 1999</i> (EPBC Act) 	<ul style="list-style-type: none"> ▪ Dedicated webpage (https://parks.dpaw.wa.gov.au/tourism-region/ningaloo-coast-world-heritage-area) and Marine Parks WA smartphone app. ▪ UNESCO World Heritage Convention – Ningaloo Coast webpage: https://whc.unesco.org/en/list/1369/ ▪ The Commonwealth DCCEEW – World Heritage Places – The Ningaloo Coast webpage: https://www.dcceew.gov.au/parks-heritage/heritage/places/world/ningaloo#outstanding-universal-value ▪ Ningaloo Coast World Heritage Area – visitor guide brochure. ▪ Ningaloo Marine Park Coral Bay - visitor information brochure. ▪ Management Plans including: <ul style="list-style-type: none"> ○ Nynggulu (Ningaloo) coastal reserves. 	<ul style="list-style-type: none"> ▪ The resort operator will ensure the following management information (as hard copies and/or multimedia versions) are available to the resort visitors: <ul style="list-style-type: none"> ○ The Visitor Code of Conduct will address: <ul style="list-style-type: none"> ▪ Visitor education on the “Outstanding Universal Values for the Ningaloo Coast World Heritage” including: <ul style="list-style-type: none"> • The World Heritage Outstanding Universal Value Criteria. • The role of DBCA as the primary government agency responsible for the management of the Ningaloo Coast (supported by the Ningaloo Coast World Heritage Advisory Committee). • Key information (for example using DBCA’s Ningaloo Coast visitor information and 	<ul style="list-style-type: none"> ▪ Resort’s regional and local visitor educational material will be provided (as hard copies and/or multimedia versions) prior to the resort opening. ▪ Prior to the opening the resort will inform DBCA, Commonwealth DCCEEW, Baiyungu, Thalanyji and Yinikurtura People (and other relevant agencies) of the ‘key personnel’ who will represent the resort and act as the main point of communication. ▪ Implement the Visitor Code of Conduct. ▪ The annual review of the Visitor Management Plan between the resort operator, DBCA and Commonwealth DCCEEW (inclusive of visitor education and information material) will address: <ul style="list-style-type: none"> ○ Visitor education material to ensure it remains contemporary and in alignment with DBCA’s



	<ul style="list-style-type: none"> o Cape Range National Park Management Plan. o Jurabi and Bundegi Coastal Parks and Muiron Islands Management Plan). 	<p>Commonwealth DCCEEW – World Heritage Places – The Ningaloo Coast webpages) that enables visitors to:</p> <ul style="list-style-type: none"> o Understand the uniqueness and value of the Ningaloo World Heritage Area; and o DBCA’s existing education and management framework in place to protect it. <ul style="list-style-type: none"> ▪ Resort’s turtle & seabird/shorebird visitor guidelines (which includes management actions from DBCA’s Turtle Watching Code of Conduct and the Turtle Management Plan). ▪ Resort night lighting (or dark sky) controls (consistent with the ALMP & Turtle Management Plan). ▪ Padjari Manu (Vlaming Head) and Lighthouse Beach access pathways. ▪ Aboriginal heritage sites and their significance. ▪ Speed limit within the resort for cars / caravans. <ul style="list-style-type: none"> o The code of conduct will be available in multiple languages to ensure the resort’s behavioural standard is understood by international travellers. <p><u>Regional</u></p> <ol style="list-style-type: none"> 1. UNESCO World Heritage Convention – Ningaloo Coast and the Commonwealth DCCEEW – World Heritage Places – The Ningaloo Coast webpages to educate visitors on the “Outstanding Universal Values for the Ningaloo Coast World Heritage”. 2. DBCA’s Ningaloo Coast webpage. 3. DBCA’s Ningaloo Coast World Heritage Area – visitor guide brochure. 4. Ningaloo Coast World Heritage Area and sanctuary zones management maps. <p><u>Local</u></p> <ol style="list-style-type: none"> 1. DBCA’s Lighthouse Bay and Jurabi Sanctuary Zones map and approved recreational activities. 2. DBCA’s Turtle Watching Code of Conduct - information brochure. 3. DBCA’s Kayaking within Ningaloo Marine Park - information brochure. 4. DBCA’s Spearfishing in Ningaloo Marine Park - information brochure. 5. DBCA’s Management Program for humpback whale interactions along the Ningaloo Coast - information brochure. 6. The location of visitor centres including: <ol style="list-style-type: none"> a. Milyering Discovery and Jurabi Turtle visitor centres b. Ningaloo Visitor Centre and Ningaloo Aquarium and Discovery Centre. 	<p>Ningaloo visitor education material and objectives.</p> <ul style="list-style-type: none"> o The World Heritage Convention – Ningaloo Coast education material, specifically, the visitor information regarding the “Outstanding Universal Values for the Ningaloo Coast World Heritage”. o The effectiveness of the visitor management actions including: <ul style="list-style-type: none"> ▪ visitor compliance with the management actions including but not limited to turtle, seabird, weed management, rubbish & path use monitoring outcomes. ▪ Dingo awareness program (incorporates the Shire of Exmouth’s and/or DBCA’s dingo awareness visitor advice). ▪ The annual review will encompass any changes pertinent to visitor management from the IUCN World Heritage Outlook assessments and reports. <ul style="list-style-type: none"> ▪ Post the review, if required, the Visitor Management Plan will be updated. The updates of the management plan will incorporate any emerging issues identified by the resort operator, DBCA, Commonwealth DCCEEW, Shire of Exmouth or Traditional Owners / Nganhurra Thanardi Garrbu Aboriginal Corporation (NTGAC). ▪ The Visitor Management Plan will be updated to incorporate: <ul style="list-style-type: none"> o Updates on the Ningaloo Coast World Heritage education material. o Visitor Code of Conduct. o Approved beach access paths (and any associated infrastructure). ▪ Resort staff inductions will be reviewed annually and if required updated in accordance with DBCA’s Ningaloo visitor education material and objectives.
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		<p>7. The resort operator will update visitor information material in accordance with:</p> <ul style="list-style-type: none"> a. Any changes to DBCA's / UNESCO visitor information and formats. <p>8. The resort operator will nominate a suitably qualified 'key personnel' who will represent the resort and act as the main point of communication with DBCA, Commonwealth DCCEEW, Baiyungu, Thalanyji and Yinikurtura People, Shire of Exmouth & community groups. The nominated resort representative will facilitate the following:</p> <ul style="list-style-type: none"> a. Annual review of the Visitor Management Plan. b. Arrange meetings or contact DBCA (or to other relevant parties) on any emerging visitor or environmental management issues. c. Facilitate any amendments to the Visitor Management Plan. <p>9. The resort operator will implement an induction program for key resort staff. The staff induction program will include educating staff on the following:</p> <ul style="list-style-type: none"> a. Visitor Management Plan b. The Outstanding Universal Values for the Ningaloo Coast World Heritage. c. The Ningaloo Coast World Heritage area. d. DBCA key Ningaloo visitor education material including: <ul style="list-style-type: none"> i. DBCA's Ningaloo Coast World Heritage Area – visitor guide brochure ii. DBCA's Turtle Watching Code of Conduct e. Reviewing licenced, accredited and sustainably operated tourist operators – address tourist Ningaloo experiences (i.e., whale watching). f. The Visitor Code of Conduct with a specific emphasis on: <ul style="list-style-type: none"> i. The resort's turtle & seabird/shorebird visitor guidelines (which includes management actions from DBCA's Turtle Watching Code of Conduct). ii. The resort night lighting (or dark sky) controls. g. The different language versions of the Code of Conduct. h. Weed Management. i. Waste disposal. j. "Dingo Aware" education material. 	
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Table 3: Ningaloo Lighthouse Resort - Visitor Management/Education Plan Actions (Local)

Aboriginal Heritage - Visitor access to Padjari Manu (Vlaming Head) (ceremonial and mythological site)			
Objective: Manage visitor access to and within Padjari Manu (Vlaming Head) in a culturally appropriate way			
Management targets	Management and contingency actions	Monitoring	Timing / frequency of actions
<ul style="list-style-type: none"> ▪ Formalise the existing access tracks within Padjari Manu (Vlaming Head) site which provide a walking trail to Vlamingh Head Lighthouse lookout. ▪ Provide visitor information on the access track location. 	<ul style="list-style-type: none"> ▪ Confirm with Shire of Exmouth, DBCA and Nganhurra Thanardi Garrbu Aboriginal Corporation (NTGAC) on the walking tracks from the resort within Padjari Manu (Vlaming Head). ▪ Provide visitors with a map of the track locations (hard copies and/or multimedia versions). 	<p>Resort operator will monitor:</p> <ul style="list-style-type: none"> ▪ The condition of the tracks. ▪ Visitor compliance on track. use. <p>Resort operator will monitor:</p>	<ul style="list-style-type: none"> ▪ Padjari Manu (Vlaming Head) tracks will be defined prior to resort opening. ▪ Signage will be installed prior to resort opening. ▪ Annual review of walking track and signage status.



<ul style="list-style-type: none"> Extent to which the tracks are maintained to a walking track standard. Compliance of visitors using the dedicated tracks. 	<ul style="list-style-type: none"> Install track signage at the entry point (within the resort) which provides visitors with information on: <ul style="list-style-type: none"> Key heritage information Staying on designated tracks Inform visitors of temporary closure of walking track to Padjari Manu (Vlaming Head), if necessary, for cultural reasons. Review of walking tracks condition with DBCA / Shire of Exmouth. 	<ul style="list-style-type: none"> The availability of visitor maps (hard copies and/or multimedia versions). Visitor signage infrastructure status. Visitor compliance with: <ul style="list-style-type: none"> Using the approved tracks. Not accessing the track if the track is requested to be closed for cultural reasons. 	<ul style="list-style-type: none"> Under instruction from Shire of Exmouth, DBCA and/or NTGAC to close paths and instruct resort visitors not to use the walking tracks within Vlaming Head if requested.
<p>Aboriginal heritage - Visitor education</p>			
<p>Objective: Provide visitors with information that promotes the heritage values and management of within Padjari Manu (Vlaming Head)</p>			
<ul style="list-style-type: none"> Provide visitor information on cultural information (hard copies and/or electronic versions) including: <ul style="list-style-type: none"> Padjari Manu (Vlaming Head) and respectful and appropriate behaviour and recreational use. 	<ul style="list-style-type: none"> Promotes visitor awareness, appreciation and understanding of the cultural values through providing education material (hard copies and/or multimedia versions) which addresses: <ul style="list-style-type: none"> Indigenous perspective of Padjari Manu (Vlaming Head) and appropriate behaviour and recreational use. 	<p>Resort operator will monitor:</p> <ul style="list-style-type: none"> The availability of visitor education material (hard copies and/or multimedia versions). 	<ul style="list-style-type: none"> Cultural education material (hard copies and/or multimedia versions) will be finalised prior to resort opening. Weekly review of visitor education material.
<ul style="list-style-type: none"> Support Traditional Owner enterprises. 	<ul style="list-style-type: none"> Promote Traditional Owner tourism enterprises in the Ningaloo Coast World Heritage Area to resort visitors. Engage with cultural interpretation guides 	<p>Resort operator will monitor:</p> <ul style="list-style-type: none"> The availability of tourist operator promotion material Guest satisfaction rates 	<ul style="list-style-type: none"> Monthly review of Traditional Owner tourism enterprises promotion material
<p>Jurabi Coastal Park / Lighthouse Bay Beach foreshore - Visitor access to Lighthouse Bay Beach (within Jurabi Coastal Park) and education program</p>			
<p>Objective: Manage visitor access within Jurabi Coastal Park / Lighthouse Bay Beach foreshore.</p>			
<p>Management targets</p>	<p>Management and contingency actions</p>	<p>Monitoring</p>	<p>Timing / frequency of actions</p>
<ul style="list-style-type: none"> Establish formal access including paths and associated infrastructure from the resort to Lighthouse Bay Beach in liaison with DBCA & the Shire of Exmouth. Provide visitors with DBCA published information (hard copies and/or electronic versions) on the following: <ul style="list-style-type: none"> Ningaloo Marine Park reserve and sanctuary zones values and DBCA's approved recreational activities. Provide visitors with a map of the formal beach path locations (hard copies and/or multimedia versions). Compliance of visitors using dedicated beach access paths. Closure of the historical beach access tracks within the Lighthouse Bay foreshore (as agreed by DBCA and the Shire of Exmouth). 	<ul style="list-style-type: none"> Z1Z Resorts Pty Ltd will prior to construction co-ordinate with DBCA and Shire of Exmouth on the following: <ul style="list-style-type: none"> The location of the beach access path(s) from the resort to Lighthouse Bay beach will be located within the footprint to the historically cleared and used beach access tracks. Beach access path(s) construction standards and associated infrastructure. Determine the historical beach access tracks located in the Lighthouse Bay foreshore to be closed. Z1Z Resorts Pty Ltd will be responsible for the closure of the historical informal coastal access pathways which will not be used for coastal access. Z1Z Resorts Pty Ltd will Install signage at the beach access entry point (within the resort or at an agreed location) which provides visitors with information on: <ul style="list-style-type: none"> Turtle and shorebird values in the local area and the importance of appropriate visitor interactions. Approved beach recreational activities (consistent with DBCA's sanctuary zones). Staying on designated paths. 	<p>Resort operator will monitor:</p> <ul style="list-style-type: none"> The availability of visitor maps (hard copies and/or multimedia version). Visitor compliance with: <ul style="list-style-type: none"> Using the approved beach access path(s). Beach access path signage. The availability of visitor education material (hard copies and/or multimedia version) of: <ul style="list-style-type: none"> Beach access path location Ningaloo Marine Park reserve and sanctuary zones values and DBCA's approved recreational activities. The status of access track signage and maintenance requirements. Report to DBCA any non-compliance of beach activities with the marine park zoning. The resort operator will provide additional education (or instructions) to resort visitors demonstrating non-compliance in their use of beach path or using closed tracks. The closed beach access tracks for the following: 	<ul style="list-style-type: none"> Z1Z Resorts Pty Ltd will prior to construction co-ordinate meetings with DBCA and the Shire of Exmouth for the following purpose: <ul style="list-style-type: none"> Agree on the beach access pathways. Agree on the historical beach tracks to close. Beach access path location(s) and construction standards will be agreed with DBCA and the Shire of Exmouth prior to resort opening. Bi-annual review of beach access path(s) and the closed beach tracks. At all times, the resort operator will provide additional education (or instructions) to resort visitors demonstrating non-compliance in their use of beach path or using closed tracks. If required, non-compliance issues will be reported to DBCA. Close the historical informal beach access paths in agreement with DBCA & the Shire of Exmouth prior to the



	<ul style="list-style-type: none"> ○ Provide visitors with a map of the formal beach path locations (hard copies and/or multimedia versions). 	<ul style="list-style-type: none"> ○ Non-compliance from visitors. ○ Closure infrastructure preventing access to the closed tracks remain in place. 	<p>resort opening. Bi-annual review of closed beach access path(s).</p> <ul style="list-style-type: none"> ▪ Daily review of the resort’s visitor education material on the Jurabi Coastal Park, Ningaloo Marine Park reserve and sanctuary zones values and DBCA’s approved recreational activities. ▪ Signage will be installed prior to resort opening and reviewed annually.
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Weed management – Visitor education and Kapok eradication program

Objective:

- Raise visitor awareness to the significance and identification of environmental weeds and promoting appropriate hygiene practices.
- Ensure the known Kapok (*Aerva javanica*) weed populations within the resort is controlled.

Management targets	Management and contingency actions	Monitoring	Timing / frequency of actions
<p>Increase visitors understanding of DBCA’s strategic weed management program including:</p> <ul style="list-style-type: none"> ▪ Provide visitors with DBCA published information (hard copies and/or electronic versions) on invasive weed species in the Ningaloo Coast area. ▪ Invasive weed species Kapok (<i>Aerva javanica</i>) exists in and around the resort area. The resort operator will be responsible for: <ul style="list-style-type: none"> ○ Managing the eradication of the Kapok weed species within the resort boundary. 	<ul style="list-style-type: none"> ▪ Provide resort visitors with the following information (hard copies and/or electronic versions) at reception (as part of the visitor check in) and on the resort’s website: <ul style="list-style-type: none"> ○ Provide Weeds threatening the Ningaloo Coast World Heritage Area. ▪ Educate resort visitors on the importance of staying on dedicated access paths & trails to minimise disturbance and the risk of spreading weeds. This will be achieved through a combination of the following: <ul style="list-style-type: none"> ○ The availability of: <ul style="list-style-type: none"> ▪ DBCA’s Ningaloo Coast World Heritage. Area – visitor guide brochure. ▪ Weeds threatening the Ningaloo Coast World Heritage Area ○ Track signage. ▪ The resort operator is responsible for the removal of the Kapok weed species within the resort boundary. 	<ul style="list-style-type: none"> ▪ Resort operator will monitor: <ul style="list-style-type: none"> ○ The availability of visitor education material (hard copies and/or multimedia versions). ○ Visitor signage infrastructure status. ▪ Visitor compliance with: <ul style="list-style-type: none"> ○ Using the approved tracks. ▪ Resort operator will undertake an annual inspection of the Kapok locations within the resort boundary. 	<ul style="list-style-type: none"> ▪ Resort’s regional and local visitor educational material will be provided (as hard copies and/or multimedia versions) prior to the resort opening. ▪ Weekly review of visitor education material. ▪ Signage will be installed prior to resort opening and reviewed annually. ▪ Report operator in the annual review with DBCA will outline the Kapok weed status within the resort boundary & any weed management treatments.

Marine turtles - Night lighting and visitor activity controls and education program

Objective: Educate resort visitors on:

- The resort’s night lighting and night activity controls.
- Using designated beach access paths.
- The Ningaloo Coast marine turtle species and turtle nesting beaches.
- DBCA’s Turtle Watching Code of Conduct.

Management targets	Management and contingency actions	Monitoring	Timing / frequency of actions
<ul style="list-style-type: none"> ▪ Educate visitors (hard copies and/or multimedia versions) on the resorts control of the following: <ul style="list-style-type: none"> ○ Regional turtle species and best practice behaviour around marine turtles / DBCA’s Turtle Watching Code of Contact. ○ Night-time resort activity controls. ○ Beach access paths. ▪ Resort’s compliance with: 	<ul style="list-style-type: none"> ▪ Provide resort visitors with the following information (hard copies and/or electronic versions) at reception (as part of the visitor check in) and on the resort’s website: <ul style="list-style-type: none"> ○ The Resort’s turtle & seabird/shorebird visitor guidelines. The guideline includes: <ul style="list-style-type: none"> ▪ Overview of the marine turtle species and seabird/shorebird species of the North West Cape 	<p>Resort operator will monitor:</p> <ul style="list-style-type: none"> ▪ Resort’s compliance with lighting management controls including: <ul style="list-style-type: none"> ○ Ensuring all non-essential resort lighting to be switched off when not in use. ○ ALMP turtle and light monitoring program outcomes. 	<ul style="list-style-type: none"> ▪ The resort’s marine turtle visitor education will be provided to DBCA for review and feedback prior to finalising and being made available to the resort visitors. ▪ Post construction audit of: <ul style="list-style-type: none"> ○ The night lighting and lighting control(s) measures.



<ul style="list-style-type: none"> o Night lighting controls. o DBCA's Turtle Watching Code of Conduct. 	<ul style="list-style-type: none"> region (description, biology, conservation status). <ul style="list-style-type: none"> ▪ Significance of North West Cape beaches for marine turtles & seabird/shorebird species ▪ Threats to marine turtles and seabirds/shorebirds. ▪ The resort's night lighting control measures. ▪ Education on visiting the beach (i.e., keeping distances from resting or nesting turtles, no fires and touching of turtles). ▪ Information on DBCA's Ningaloo Turtle Program (NTP) & Turtle Watching Code of Conduct. ▪ DBCA's Turtle Watching Code of Conduct. ▪ Adaptive management & continuous improvement measures include: <ul style="list-style-type: none"> o If the annual light and hatchling orientation program identifies misorientation in hatchlings after they leave the nest, both during sea finding or returning to the beach after they swim offshore, the project lighting will be assessed together with the light audit results to identify the likely problem lighting and additional engineering and/or operational solutions. ▪ Provide visitors with a map of the formal beach path locations, once approved (hard copies and/or electronic versions). 	<ul style="list-style-type: none"> o Visitor compliance on beach access track use. ▪ An Audit of the ALMP will be scheduled prior to the commencement of marine turtle nesting season following the completion of the resort to ensure: <ul style="list-style-type: none"> o Compliance with control measures. ▪ Additional audits will be scheduled as necessary, for example, following major weather events or major changes in the built form (buildings) or resort facilities. ▪ Identification of, and measures taken to reduce, impacts of problem lights. ▪ Identification of any new information regarding potential impact pathways between artificial light associated with the project and marine turtles, and any adaptive management measures that could further reduce potential impacts. ▪ Report to DBCA any reported or observed non-compliance of visitor turtle interactions on the adjacent beach. <p>Turtle and Light Monitoring</p> <ul style="list-style-type: none"> ▪ The resort operator based on the ALMP turtle and light monitoring program (and/or DBCA's NTP) will review the resort's visitor's education material if: <ul style="list-style-type: none"> o DBCA confirms visitor interference (or non-compliance with DBCA's turtle watching code of conduct) nesting or hatching turtles. 	<ul style="list-style-type: none"> ▪ Monthly review of the resort's visitor lighting and night activity education material. ▪ Monthly review of the turtle as hard copies and/or multimedia education material. ▪ The resort's turtle & shorebird guidelines & education material will be subject to annual review between the resort operator & DBCA for the purpose of: <ul style="list-style-type: none"> o Reviewing the turtle & shorebird education material to ensure the material remains contemporary. o Updating the Visitor Management Plan including amending the management / monitoring and/or education actions for marine turtles if required.
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Seabirds / shorebirds - Night lighting controls and visitor activity controls and education program

Objective: Educate resort visitors on:

- The resort's night lighting and night activity controls.
- Beach access paths.
- Maintaining distance from seabird / shorebird nesting, feeding and roosting sites.

Management targets	Management and contingency actions	Monitoring	Timing / frequency of actions
<ul style="list-style-type: none"> ▪ Educate visitors (hard copies and/or multimedia versions) on the following: <ul style="list-style-type: none"> o DBCA's Shorebirds and seabirds of the Pilbara Coast and Islands. o Night-time lighting controls. o Night-time resort activity controls. o Beach access paths. ▪ Visitor compliance with: <ul style="list-style-type: none"> o Night lighting and activities controls. 	<ul style="list-style-type: none"> ▪ Provide resort visitors with the following information (hard copies and/or electronic versions) at reception (as part of the visitor check in) and on the resort's website: <ul style="list-style-type: none"> o The Resort's turtle & seabird/shorebird visitor guidelines. The guideline includes: <ul style="list-style-type: none"> ▪ Overview of the marine turtle species and seabird/shorebird species of the North West Cape region (description, biology, conservation status). 	<p>Resort operator will monitor:</p> <ul style="list-style-type: none"> ▪ Resort's compliance with lighting management controls including: <ul style="list-style-type: none"> o Ensuring all non-essential lighting to be switched off when not in use. o ALMP turtle and light monitoring program outcomes (which 'dark sky' principles apply to shorebirds). o Visitor compliance on beach track use. ▪ Visitor compliance on beach access track use. 	<ul style="list-style-type: none"> ▪ Monthly review of the resort's visitor lighting and night activity education material. ▪ Monthly review of the seabird/shorebird education material as hard copies and/or multimedia education material. ▪ The resort's turtle & shorebird guideline & education material will be subject to annual review between the resort operator & DBCA for the purpose of: <ul style="list-style-type: none"> o Reviewing the turtle & shorebird education material to ensure the



	<ul style="list-style-type: none"> ▪ Significance of North West Cape beaches for marine turtles & seabird/shorebird species. ▪ Threats to marine turtles and seabirds/shorebirds. ▪ The resort’s night lighting control measures. ▪ Education on visiting the beach (i.e., keeping distances from resting or nesting turtles, no fires and touching of turtles). ▪ Information of the NTP and DBCA’s Turtle Watching Code of Conduct. <ul style="list-style-type: none"> ○ DBCA seabird/shorebirds of the Ningaloo Coast / Pilbara Region information. ○ Provide visitors with a map of the formal beach path locations (hard copies and/or electronic versions). <ul style="list-style-type: none"> ▪ Provide visitors with a map of the formal beach path locations once approved (hard copies and/or multimedia versions). ▪ Install path signage at the track entry point (within the resort) which provides visitors with information on: <ul style="list-style-type: none"> ○ Approved beach activities (consistent with DBCA’s sanctuary zones). ○ Staying on designated paths. 	<ul style="list-style-type: none"> ▪ Report to DBCA any reported or observed non-compliance of beach activities on the adjacent dunes and beach. ▪ The availability of DBCA seabirds / shorebird education material within the resort and DBCA’s multimedia links. 	<p>material remains contemporary.</p> <ul style="list-style-type: none"> ○ Review visitor compliance with the management actions and monitoring outcomes. ○ Updating the Visitor Management Plan including amending the management / monitoring and/or education actions for seabird / shorebirds if required.
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Dark Skies - Lighting controls and education program

Objective: Educate resort visitors on:

- The importance of dark sky to the Department of Defence (DoD) Space Surveillance (SST).
- Minimise light and dust pollution.
- ‘Dark sky’ principles to be implemented within the resort.

Management targets	Management and contingency actions	Monitoring	Timing / frequency of actions
<ul style="list-style-type: none"> ▪ Educate visitors (hard copies and/or multimedia versions) on the following: <ul style="list-style-type: none"> ○ Special controls to maintain ‘dark sky’ within 20 kilometres of the SST facility. ○ Night-time lighting controls. ○ Night-time resort activity controls. ▪ Visitor compliance with: <ul style="list-style-type: none"> ○ Night lighting and activities controls. 	<ul style="list-style-type: none"> ▪ Provide resort visitors with the following information (hard copies and/or electronic versions) at reception (as part of the visitor check in) and on the resort’s website: <ul style="list-style-type: none"> ○ The resort’s location in proximity to the DoD SST facility and facility’s requirement for ‘dark skies’. Specifically noting: <ul style="list-style-type: none"> ▪ Dark skies and low levels of electromagnetic interference were significant considerations in the decision to locate DoD facilities in the Exmouth Gulf area. The DoD sites within the Exmouth Gulf include Naval Communication Station, the SST (SST), RAAF Base Learmonth 	<p>Resort operator will monitor:</p> <ul style="list-style-type: none"> ▪ Resort’s compliance with lighting management controls including: <ul style="list-style-type: none"> ○ Ensuring all non-essential lighting to be switched off when not in use. ○ ALMP light monitoring program outcomes (which ‘dark sky’ principles apply). ▪ The availability of dark sky education material within the resort. 	<ul style="list-style-type: none"> ▪ Monthly review of the resort’s visitor dark sky and lighting and night activity education material. ▪ Monthly review of the dark sky education material as hard copies and/or multimedia education material. ▪ Updating the Visitor Management Plan including amending the management / monitoring and/or education actions for dark sky if required.



	<p>airport and the Learmonth Solar Observatory.</p> <ul style="list-style-type: none"> ○ The resort’s lighting controls to reduce light pollution from the resort including (consistent with the ALMP and the resort’s night lighting controls and education program) ▪ Provide visitor with access to further ‘dark sky’ information including: <ul style="list-style-type: none"> ○ International Dark-Sky Association information brochure. ○ Position Statement: Dark sky and astrotourism (WAPC, 2020). 		
<p>Waste management and wildlife interactions – Visitor waste management and wildlife interaction education program</p>			
<p>Objectives:</p> <ul style="list-style-type: none"> ▪ Ensure resort waste generated by visitors is collected and disposed of safely. ▪ Educate visitors on: <ul style="list-style-type: none"> ○ Preventing pollution / littering and the resort’s waste management controls. ○ Interactions with wildlife. 			
<p>Management targets</p>	<p>Management and contingency actions</p>	<p>Monitoring</p>	<p>Timing / frequency of actions</p>
<ul style="list-style-type: none"> ▪ Educate visitors on: <ul style="list-style-type: none"> ○ The resort’s waste controls. ○ Visitor interactions with wildlife inclusive of “dingo awareness”. ▪ Installation of bins <ul style="list-style-type: none"> ○ Within the accommodation rooms. ○ Signed bins along key resort pathways. ▪ Visitor compliance with waste / rubbish controls. 	<p>Providing education material (hard copies and/or multimedia versions) which informs visitors on:</p> <ul style="list-style-type: none"> ▪ Rubbish disposal system within the resort. ▪ Rubbish management within the Ningaloo Coast World Heritage Area (leave no trace approach). ▪ Wildlife interaction including: <ul style="list-style-type: none"> ○ Watch out for wildlife on the roads. ○ Do not disturb wildlife when walking in the National Park or resort. Provide wildlife with room. ○ No feeding of the wildlife. ▪ Installation of bins: <ul style="list-style-type: none"> ○ Within the accommodation rooms. ○ At key locations along the resort pathways. ▪ All bins will be marked with proper labels, including clear symbols and/or words showing waste segregation requirements. ▪ Visitors observed littering or not complying with resort’s waste controls will be approached by the resort operator regarding their behaviour and reminded of the importance of appropriate waste management. ▪ “Dingo Aware” education material (incorporates the Shire of Exmouth’s and/or DBCA’s ‘dingo awareness’ visitor advice). 	<p>Resort operator will monitor:</p> <ul style="list-style-type: none"> ▪ Installation of resort bins. ▪ Monitor rubbish (and visitor compliance) within the resort and along the access paths within the adjacent Lighthouse Bay Beach foreshore reserve. ▪ The availability of visitor education material (hard copies and/or electronic versions) on: <ul style="list-style-type: none"> ○ Resorts waste controls. ○ Leave No Trace within the Ningaloo Coast World Heritage Area. 	<ul style="list-style-type: none"> ▪ The visitor interactions with wildlife will be provided to DBCA for review and feedback prior to finalising and being made available to the resort visitors. ▪ All resort rubbish will be held on site and then transferred to either the Shire’s landfill and/or recycling centre on the resort’s designated rubbish day. ▪ Review the “dingo awareness” education material and management actions in response to feedback and/or updated advice from DBCA or the Shire of Exmouth. ▪ Daily visual monitoring and removal of any litter within the resort.
<p>Recreational fishing - Visitor recreational fishing education program</p>			
<p>Objective: Educate resort visitors on:</p> <ul style="list-style-type: none"> ▪ DBCA’s Ningaloo Coast marine sanctuary zones and permitted activities. 			



<ul style="list-style-type: none"> ▪ WA recreational fishing guidelines including licences and bag limits 			
Management targets	Management and contingency actions	Monitoring	Timing / frequency of actions
<ul style="list-style-type: none"> ▪ Educate visitors on: <ul style="list-style-type: none"> ○ Ningaloo Marine Park five management zones. ○ Fisheries WA recreational fishing guide. 	Providing education material (hard copies and/or multimedia versions) which informs visitors on: <ul style="list-style-type: none"> ▪ Ningaloo Marine Park five management zone: <ul style="list-style-type: none"> ○ 'no-take' sanctuary zones. ○ special purpose (benthic protection) zones. ○ special purpose (shore-based activities) zones. ○ recreation zones. and ○ general use zone. ▪ Recreational fishing licence requirements, bag and size limits visitor information will be provided through the following material: <ul style="list-style-type: none"> ○ The DPIRD Recreational fishing guide; and/or ○ Recreational fishing rules website - rules.fish.wa.gov.au 	<ul style="list-style-type: none"> ▪ The availability of: <ul style="list-style-type: none"> ○ DBCA marine zone education material within the resort and DBCA's multimedia links. ○ Recreational fishing guide. 	<ul style="list-style-type: none"> ▪ Monthly review of the DBCA's marine management zones and WA recreational fishing education material as hard copies and/or multimedia education material.
Visitor Management Plan - Reporting			
An annual compliance assessment report (CAR) will be required to be submitted to EPA and DCCEEW to demonstrate compliance with implementation conditions, including compliance with this Visitor Management Plan.			



The regional and local management actions defined in this Visitor Management Plan will be complemented with the implementation of the Ningaloo Lighthouse Resort specific management and monitoring actions as defined in Table 4.

Table 4: Ningaloo Lighthouse Resort Project Visitor Management Plan complementary management program, plans and monitoring actions.

Key Management Plan and/or Monitoring Program	Description
<p>Visitor Code of Conduct</p>	<ul style="list-style-type: none"> ▪ A Code of Conduct will be prepared and implemented for the purpose of: <ul style="list-style-type: none"> ○ communicating the standards and expectations for resort guests during their stay at the resort. ▪ The Code of Conduct will be a condition of entry for all guests and is enforceable by resort management and will address the following elements at a minimum: <ul style="list-style-type: none"> ○ Visitor education on the “Outstanding Universal Values for the Ningaloo Coast World Heritage” including: <ul style="list-style-type: none"> ▪ The World Heritage Outstanding Universal Value Criteria. ▪ The role of DBCA as the primary government agency responsible for the management of the Ningaloo Coast (supported by the Ningaloo Coast World Heritage Advisory Committee). ▪ Key information (for example using DBCA’s Ningaloo Coast visitor information and Commonwealth DCCEEW – World Heritage Places – The Ningaloo Coast webpages) that enables visitors to: <ul style="list-style-type: none"> • Understand the uniqueness and value of the Ningaloo World Heritage Area; and • DBCA’s existing education and management framework in place to protect it. ○ Resort’s turtle & seabird/shorebird visitor guidelines (which includes management actions from DBCA’s Turtle Watching Code of Conduct and the Turtle Management Plan). ○ Resort night lighting (or dark sky) controls (consistent with the ALMP & Turtle Management Plan). ○ Padjari Manu (Vlaming Head) and Lighthouse Beach access pathways. ○ Aboriginal heritage sites and their significance. ○ Speed limit within the resort for cars / caravans. ▪ The code of conduct will be available in multiple languages to ensure resort visitor behavioural standard is understood by international travellers.



Key Management Plan and/or Monitoring Program	Description
<p>Ningaloo Lighthouse Resort Development Artificial Light Management Plan (ALMP) (JBS&G 2022, adapted from Pendoley 2021)</p> <p>Marine Turtle Management Plan (JBS&G 2022 adapted from Pendoley 2021) (TMP)</p>	<ul style="list-style-type: none"> ▪ Both plans outline best practice lighting design adopted by the resort and mitigation measures that prevent or minimise lighting impacts to relevant receptors. ▪ Marine turtle and light monitoring program for pre-construction, construction, and operations phases of the project. ▪ An Audit of the ALMP will be scheduled prior to the commencement of marine turtle nesting season following the completion of the resort to ensure: <ul style="list-style-type: none"> ○ Compliance with control measures. ○ Identification of, and measures taken to reduce, impacts of problem lights. ○ Identification of any new information regarding potential impact pathways between artificial light associated with the project and marine turtles, and any adaptive management measures that could further reduce potential impacts. ▪ Additional audits will be scheduled as necessary, for example, following major weather events or major changes in Proposal facilities or buildings.
Landscape Plan	<ul style="list-style-type: none"> ▪ The landscape plan defines the resort's landscape design which will be implemented at the resort construction phase: <ul style="list-style-type: none"> ○ Use of native vegetation in landscaping by bringing the surrounding native vegetation communities in and throughout the resort site ○ Provide opportunities to inform guests of the unique natural environment. ○ Incorporate elevated path systems to minimise disturbance to the vegetation
Ningaloo Lighthouse Holiday Park: Coastal Hazard Risk Management & Adaptation Plan (MP Rogers 2021)	<ul style="list-style-type: none"> ▪ Defines the coastal adaptation and the beach monitoring approach within the adjacent Lighthouse Bay Beach and foreshore.

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1. Context, Scope and Rationale

1.1. Proposal background

Z1Z Resorts Pty Ltd (Z1Z) is proposing to redevelop the former Ningaloo Lighthouse Caravan Park, on Lot 2 and Lot 557 Yardie Creek Road, North West Cape. The proposed redevelopment, the Ningaloo Lighthouse Resort Project (the Proposal), is located approximately 18 kilometres (km) north-west of the town of Exmouth towards the northern tip of the Cape Range peninsula.

A summary of the Proposal is provided in Table 5.

Table 5: Summary of the Proposal

Element	Description
Proposal Title	Ningaloo Lighthouse Resort Project, Yardie Creek Road, North West Cape
Proponent	Z1Z Resorts Pty Ltd
Location	<ul style="list-style-type: none"> ▪ The resort is located within Lot 2 and Lot 557 Yardie Creek Road. Lot 2 and Lot 557 Yardie Creek Road land area totals 45.34 hectares (ha) ▪ The re-development area (inclusive of the resort infrastructure) is limited to approximately 13.63 ha (within the 45.34 ha site boundary)
Land use Zoning	<ul style="list-style-type: none"> ▪ 'Special Use – Zone 2' (Tourism accommodation, camping ground, caravan park shop, café). ▪ The site has been used for this land use purpose (caravan park) for over 30 years
Purpose of the Visitor Management	<ul style="list-style-type: none"> ▪ Provide the framework to address resort visitor behaviour through education and the promotion that fosters awareness and protection of the Ningaloo Coast World Heritage Area. Specifically, this plan and the resort will: <ul style="list-style-type: none"> ○ Establish the guidelines for a Visitor Code of Conduct. ○ Integrate the resort visitor education program with DBCA's comprehensive visitor management framework for the Ningaloo Coast World Heritage Area. ○ Facilitate Ningaloo experiences with licenced, accredited and sustainably operated tourist operators.
Proposed construction date	04/2023



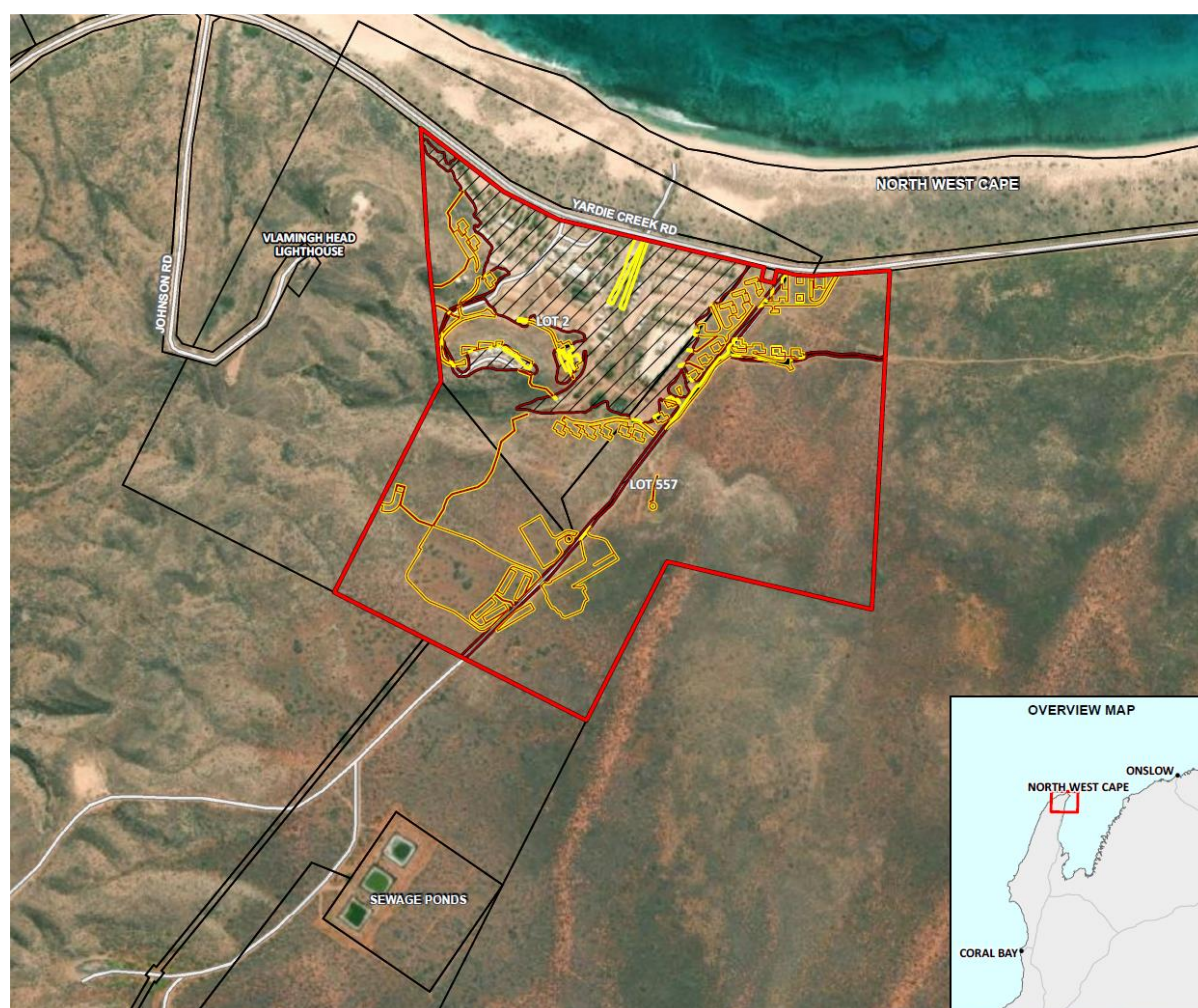


Figure A: Ningaloo Lighthouse Resort Project (the Proposal)

1.2. Visitor Management Plan

In an area of World Heritage significance, the resort will deliver a low-impact tourist accommodation facility which avoids unacceptable impacts on the natural and cultural values of the Ningaloo Coast World Heritage Area. The Ningaloo Coast World Heritage Area is a valued places of natural beauty and ecological richness and for relaxation, enjoyment and recreational activity. Aboriginal people maintain a strong connection to the land, sharing local stories, cultural observances and performing caring for Country practices. The upgraded resort is focused on providing an alternative accommodation and tourism experience which caters to the growing number of discriminating travellers who seek to understand and enjoy a natural environment. Accordingly, to respect and look after the Ningaloo Coast World Heritage Area's natural draw-cards long term, it is important for the resort visitors to learn and respect the Ningaloo Coast World Heritage Area natural and cultural heritage values.

This Visitor Management Plan integrates the resort's local visitor activities and education program with DBCA's regional Ningaloo Coast World Heritage Area visitor management framework.

Visitors come to the Ningaloo Coast region for a 'Ningaloo experience'. This is a term that encapsulates people appreciation of region's remoteness and unique natural experiences which includes:

1. Exploring fringing coral reefs.



2. Wildlife encounters on the Ningaloo Reef with a myriad of fish species, turtles, manta rays and whales.
3. Exploring / hiking the limestone range and coastal plain of the Cape Range.
4. Four-wheel driving, sightseeing, fishing.

1.2.1. Ningaloo Lighthouse Resort

The Proposal will deliver a high-quality re-development of the existing ageing tourism facilities on site and provide a range of accommodation options and amenities that will enhance the attractiveness of the region for both local and international visitors. The 'new' resort aligning with the Tourism WA and national Ningaloo destination marketing campaigns will be targeting 'high value' tourist seeking:

- A place dedicated to low-impact environmental stewardship adjacent to the World Heritage Area which provides access to immersive wilderness experience.
- Personalised experience of the Ningaloo Coast's natural wonders, such as, swimming with whale sharks, humpback whales (noting swimming with whales is only permitted with DBCA licensed operators) and turtles.
- Sustainable tourism best practices and sustainable operations.

1.2.2. Management Plan Purpose

This resort's visitor management plan will:

1. Provide the framework that addresses visitor behaviour through education and the promotion of well-planned visitor management that fosters awareness and protection of the Ningaloo Coast World Heritage Area. Specifically, this plan & the resort will:
 - a. Integrate the resort visitor activities and education program with DBCA's visitor management framework.
 - b. Facilitate Ningaloo experiences with licenced, accredited and sustainably operated tourist operators.

1.3. Local environmental context

Except for the Ningaloo Coast National Heritage listed place, the resort lies outside of the boundaries of conservation reserves and does not directly impact on the terrestrial or marine areas within these reserves. At the local scale, the resort is adjacent to important heritage and environmental areas as defined in Table 6.

Table 6: Environmental and culturally important areas in local proximity to the Resort

Environment & Heritage Areas	Description	Distance (approximate)
Environmental		
Ningaloo Coast World Heritage Area	<ul style="list-style-type: none"> ▪ In June 2011, the Ningaloo Coast was officially inscribed as a World Heritage Area in appreciation of the region's: <ul style="list-style-type: none"> ○ contain superlative natural phenomena or areas of exceptional natural beauty and aesthetic importance; and ○ contain the most important and significant natural habitat for in-situ conservation of biological diversity, including those containing threatened species of outstanding universal value from the point of view of science conservation. ▪ The listing covers an area of 604,500 ha and includes the State and Commonwealth Ningaloo Marine Parks, Cape Range National Park, the Learmonth Air Weapons Range, Bundegi and Jurabi coastal parks, the Muiron Islands and Muiron Islands Marine Management Area. 	Immediately adjacent



Environment & Heritage Areas	Description	Distance (approximate)
Jurabi Coastal Park.	<ul style="list-style-type: none"> ▪ Western side of the Cape Range peninsula, and west of the Yardie Creek Road extending from the northern boundary of the Cape Range National Park north to the Commonwealth land. ▪ The Lighthouse Bay Beach is adjacent to the resort and is within Jurabi Coastal Park management area which is jointly managed by the Shire of Exmouth and DBCA. 	50 m
Lighthouse Bay & Sanctuary Zone.	<ul style="list-style-type: none"> ▪ The Lighthouse Bay and marine sanctuary zone is situated immediately north and north-east of the resort. The beach is separated from the project site by Yardie Creek Road and 10 – 12 m high primary sand dunes. ▪ Lighthouse Bay Beach is a turtle nesting beach and a seabird rookery area. 	130 m
Ningaloo Reef & Ningaloo Marine Park	<ul style="list-style-type: none"> ▪ Australia's longest fringing barrier reef and an important biodiversity hotspot. 	250 m
Jurabi Turtle Centre	<ul style="list-style-type: none"> ▪ DBCA's visitor turtle viewing and education program. 	1.7 km
Management Plan for the Ningaloo Marine Park and Muiron Islands Marine Management Area.	<ul style="list-style-type: none"> ▪ The Ningaloo Marine Park and Muiron Islands Marine Management Area are located off Exmouth's North West Cape and cover areas of approximately 263,343 ha and 28,616 ha. ▪ The relevant Ningaloo Marine Park and Muiron Islands values to visitor management include: <ul style="list-style-type: none"> ○ Educate users of the reserves about the ecological importance of the reserves' geomorphology, particularly the fragile coastal landforms. ○ Educate users of the reserves about the ecological significance of nesting, feeding and roosting sites for resident and migratory bird species within the reserves. ○ Ecological value – marine fauna (Whale Sharks, Manta rays, Whales & Dolphins and Dugong), ○ Ensure interaction activities do not impact on turtles, through education and compliance programs, liaison with charter operators and appropriate licensing. ○ Evaluate the effectiveness of turtle monitoring programs within the reserves and implement revised/modified turtle monitoring programs as required. ○ Continue to implement public education programs through the Jurabi Turtle Centre ○ Educate users of the reserves about the Indigenous heritage value of the reserves. ○ Identify coastal areas of the reserves that are degraded and, where appropriate, undertake rehabilitation programs. 	250 m
Heritage		



Environment & Heritage Areas	Description	Distance (approximate)
The heritage survey identified: <ul style="list-style-type: none"> Registered Aboriginal site 10381 Vlaming Head. 	<ul style="list-style-type: none"> Padjari Manu (Vlaming Head) is a cultural place where Aboriginal people have attributed significant meaning to the limestone ridge of Cape Range. 	<ul style="list-style-type: none"> Vlaming Head – overlaps the resort site – Figure 3
Vlamingh Head Lighthouse.	<ul style="list-style-type: none"> The lighthouse started operations in November 1912. The lighthouse operated until 1969. The Vlamingh Head Lighthouse Scenic Drive offers outstanding views of the North West Cape. 	225 m
Lighthouse keepers' quarters (Powell House).	<ul style="list-style-type: none"> The caravan park contains the lighthouse keepers' quarters, store and grave which falls within the State Register curtilage of the Vlamingh Head Lighthouse Group (Heritage Place No 00837). 	Within the resort
"Mildura" shipwreck.	<ul style="list-style-type: none"> The ship was wrecked off the North West Cape in 1902. This wreck is a tourist attraction and visible from either the shore or the ocean. 	6 km

The local heritage and environmental assets, identified in Table 6, are managed jointly by DBCA and the Shire of Exmouth. Access to these important heritage and environmental assets are available to all visitors to the Ningaloo Coast World Heritage Area. In this context, the local area in terms of total visitation numbers would attract more regional visitors for example sight-seeing Vlamingh Head Lighthouse lookout, Jurabi Turtle Centre, surfing at Dunes Beach, "Mildura" shipwreck compared with the resort's visitors.

Importantly, as the resort will facilitate a formalised access path to Lighthouse Bay Beach it is necessary to provide resort visitors with the necessary information / education material they need to make positive choices at the following scales:

- Regionally (applying DBCA's visitor education & wider management framework)
- Locally (applying resort specific visitor education & management framework)



2. Regional and Local Visitation

2.1. Ningaloo Coast visitation trends

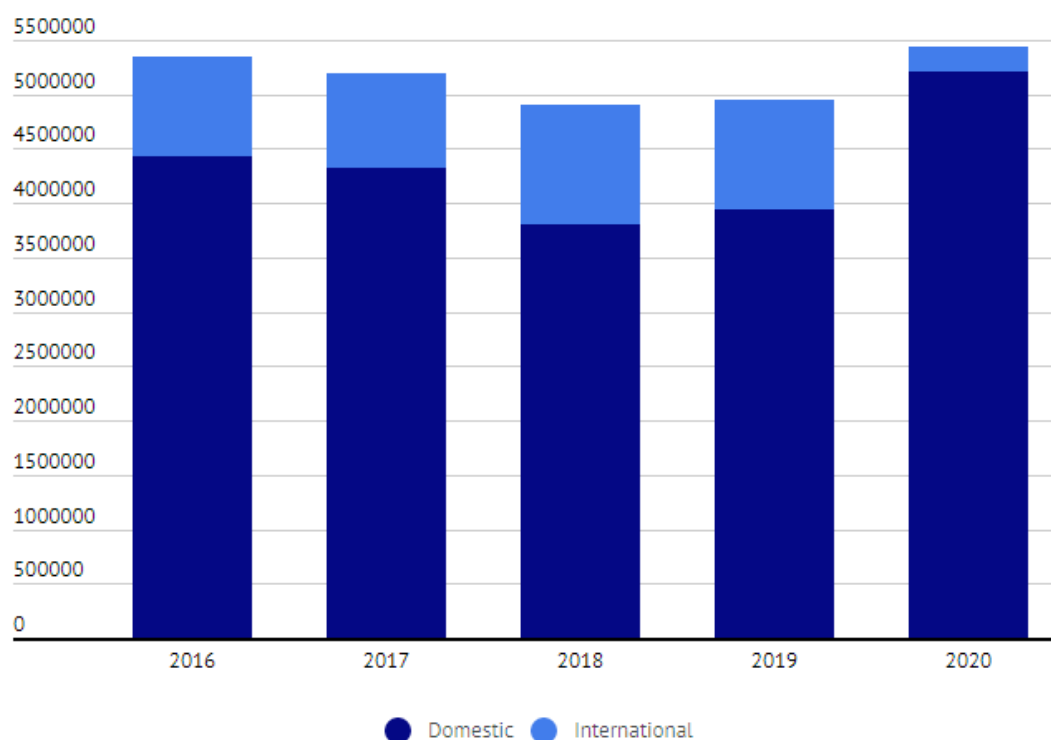
Tourism WA, DBCA and the Ningaloo Coast World Heritage Advisory Committee have acknowledged visitation to Ningaloo Coast region (which incorporates the Ningaloo Coast World Heritage Area) has steadily increased since the 1980s.

Key Ningaloo Coast (inclusive of the Ningaloo Coast World Heritage Area) visitation trends include:

- In 2020 the Ningaloo Coast hit 5.2 million visitors (Tourism WA).
- Tourism made up 90% of the economic contribution to the region. The Deloitte report found the Ningaloo and Exmouth Gulf region supported more than 1000 full-time jobs and contributed more than \$110 million a year to the economy (Deloitte Access Economics, 2020).

Tourism WA identified in 2021 there was approximately 5.2 million visitors to the Ningaloo Coast region and this visitation number was without the assistance of overseas visitors due to Covid-19 travel restrictions (Tourism WA, 2021). The Tourism WA's tourism assessment for the 2020-2021 period is presented in Graph A.

Source: Tourism WA



Graph A: Ningaloo Coast domestic & international visitors 2016-2020

2.2. UNESCO World Heritage

The World Heritage Convention requires the ongoing management, monitoring and preserving the World Heritage area. Accordingly, the Ningaloo Coast World Heritage Area is subject to periodic reporting which provides:



- An assessment of the application of the World Heritage Convention
- Updated information on the Ningaloo Coast World Heritage Area to record possible changes in the state of conservation of sites.

2.2.1. 2020 Threats Assessment – Visitation

The 2020 Ningaloo Coast Conservation Outlook Assessment rated the increasing visitation to the region as a “high threat” to the natural values, sensitive coastal habitats and ecological communities (Ningaloo Coast World Heritage Advisory Committee, 2020).

The 2020 assessment conclude; *“Increasing visitation and pressures on natural values, sensitive coastal habitats and ecological communities continue to remain major threats to the property. Since the last assessment, visitor numbers have continued to increase together with associated pressures, such as increased recreational fishing and direct impacts on sensitive coastal ecological communities”* (IUCN Consultation, 2020).

2.2.2. 2020 Assessing the World Heritage Area’s Protection

The visitation threats are mitigated by DBCA’s comprehensive management plans and management programs. The 2020 Ningaloo Coast Conservation Outlook Assessment rated DBCA’s tourism and visitation management framework as “highly effective”. The assessment concludes:

“DBCA continues to incorporate World Heritage interpretive information across the World Heritage area with a continual review of the following visitor information including Ningaloo Marine Park zoning signage, Jurabi Turtle Centre, Milyering Discovery Centre, Coral Bay Information Centre, Marine Park and National Park entry signage, visitor information – multimedia and hard copy print” (IUCN Consultation, 2020).

DBCA recognises the Ningaloo Coast (and Ningaloo Coast World Heritage Area) region as “the most visited and recreationally used area” in Western Australia (DBCA, 2019). The volume of visitors requires appropriate management to ensure the World Heritage values of the area are not diminished and that people can continue to enjoy visiting the Ningaloo Coast region for years to come.

DBCA’s planning for future visitor seeks to preserve and enhance the ‘Ningaloo experience’ whilst protecting the Ningaloo Coast World Heritage Area’s environment and cultural values (DBCA, 2019).

2.3. Ningaloo Lighthouse Resort

At a local scale, the existing and aging caravan park has an operating capacity of 1,020 people according to the Vlamingh Head Masterplan (Shire of Exmouth, 2009). At a local scale, the existing Ningaloo Lighthouse Holiday Park (caravan park) operating capacity is 1,020 people. The re-developed resort reduces the former Ningaloo Lighthouse Holiday Park peak visitor numbers by approximately 440 people. The re-developed resort proposes a peak visitor number of approximately 580 people comprising 532 overnight guests and 48 staff.

The resort will facilitate visitors access to Ningaloo Coast experience, such as, swimming with whale sharks, humpback whale and turtles from licenced / accredited tourism operators.



3. Ningaloo Coast Visitor Management

3.1. Ningaloo Coast World Heritage Area – Legislative Framework

The Ningaloo Coast World Heritage Area status is underpinned by the following State and Commonwealth environmental legislation:

- *WA Environmental Protection Act 1986* (EP Act)
- *Commonwealth Environment Protection and Biodiversity Conservation Act 1999* (EPBC Act)

The EP Act and EPBC Act provides the statutory framework to protect and manage nationally and internationally important heritage places, including World Heritage sites. Any development proposal within or adjacent to the property will be subject to assessment and approval under the EPBC Act if an action is considered likely to have significant impacts on the Ningaloo Coast World Heritage values.

The Ningaloo Lighthouse Resort Project has been subject to a ‘accredited assessment’ (with the WA EPA and Commonwealth DCCEEW) which addresses both the EP Act and EPBC Act assessment objectives. The State DBCA and Commonwealth DCCEEW assessment of the Ningaloo Lighthouse Resort Project provided the following advice regarding visitation risks:

- Inappropriate visitor interactions on nesting turtles.
- Inappropriate visitor interactions within DBCA’s marine park zones.
- Visitor interactions may potentially disturb nesting shorebirds / ospreys.
- Visitor interactions with wildlife (e.g., no feeding).

The DBCA and the Commonwealth’s DCCEEW advice concurred that the identified potential visitor risks can be addressed in a Visitor Management Plan. Underpinning this Visitor Management Plan is a tailored education program which complements DBCA’s regional Ningaloo Coast visitor management framework.

3.2. Ningaloo Coast World Heritage Area – Regional Management Framework

The resort footprint (or re-development area) is 13.63 ha. Regionally, the proposed resort is located adjacent to the larger 604,500 ha Ningaloo Coast World Heritage Area. The Ningaloo Coast is located in an isolated part of Western Australia, and this isolation has contributed to its protection.

DBCA (in partnership with Traditional Owners, the Commonwealth Director of National Parks, the Shire of Exmouth and Department of Defence) has primary responsibility of the Ningaloo Coast World Heritage Area (IUCN Consultation, 2017). Accordingly, DBCA has developed and implements a range of management plans and management actions across the Ningaloo Coast.

An overview of the Ningaloo Coast management framework (inclusive of the Ningaloo Coast World Heritage Area) is outlined in Table 7.

Table 7: Ningaloo Coast World Heritage area conservation management framework



Conservation Management Framework		Key plans & management actions applicable to the management of visitors
Ningaloo Coast World Heritage Area management framework.	<ul style="list-style-type: none"> ▪ CALM Act. ▪ <i>Biodiversity Act 2016.</i> 	<ul style="list-style-type: none"> ▪ Management Plan for the Ningaloo Marine Park and Muiron Islands Marine Management Area 2005–2015. ▪ Ningaloo Marine Park (Commonwealth Waters) Management Plan 2002. ▪ Jurabi and Bundegi Coastal Parks and Muiron Island Management Plan. ▪ Cape Range National Park Management Plan. ▪ Nyinggulu (Ningaloo) coastal reserves Red Bluff to Winderabandi Joint Management Plan. ▪ Management of Marine Park zones. <ul style="list-style-type: none"> ○ Bundegi Sanctuary Zone. ○ Murat Sanctuary Zone. ○ Lighthouse Bay Sanctuary Zone. ○ Jurabi Sanctuary Zone. ○ Tantabiddi Sanctuary Zone. ○ Mangrove Sanctuary Zone. ○ Lakeside Sanctuary Zone. ○ Mandu Sanctuary Zone. ○ Osprey Sanctuary Zone. ○ Winderabandi Sanctuary Zone. ○ Cloates Sanctuary Zone. ○ Bateman Sanctuary Zone. ○ Maud Sanctuary Zone. ○ Pelican Sanctuary Zone. ○ Cape Farquhar Sanctuary Zone. ○ Gnaraloo Bay Sanctuary Zone. ○ 3 Mile Sanctuary Zone. ○ Turtles Sanctuary Zone. ▪ South Muiron Conservation Area. ▪ North Muiron Conservation Area. ▪ Sunday Island Conservation Area.
	Key Management Actions.	<ul style="list-style-type: none"> ▪ DBCA Park Rangers. ▪ Implement and report on the Ningaloo Resilient Reef Initiative (NRRI) program. ▪ Targeted monitoring of sea turtles, shorebirds, humpback whales, whale sharks and Black-flanked Rock Wallaby monitoring program. ▪ The management and control of “low key” camping areas and coastal access tracks. ▪ Weed management control program. ▪ Feral animal control program. ▪ Rubbish removal / clean up. ▪ Milyering Discovery Centre and Jurabi Turtle visitor centres. ▪ Signage positioned along access roads, carparks & camping grounds. ▪ Social media visitor information campaigns (e.g. DBCA Facebook and Instagram).
	Visitor management education.	<ul style="list-style-type: none"> ▪ Ningaloo Coast World Heritage Area and sanctuary zones management maps. ▪ Kayaking within Ningaloo Marine Park – information brochure. ▪ Spearfishing in Ningaloo Marine Park – information brochure. ▪ Turtle Watching Code of Conduct – information brochure.



Conservation Management Framework		Key plans & management actions applicable to the management of visitors
		<ul style="list-style-type: none"> ▪ Management Program for humpback whale interactions along the Ningaloo Coast – information brochure. ▪ Campground locations and visitor management requirements at campsites – maps and information brochure.

DBCA's management is supported by the independent Ningaloo Coast World Heritage Advisory Committee. The role of the Ningaloo Coast World Heritage Advisory Committee is to:

- Provide advice to the Commonwealth and State Environment Ministers on the protection, conservation, presentation, and management of the values of the World Heritage area
- Develop and provide input into initiatives and opportunities for the promotion and presentation of the World Heritage area values to the local, national, and international communities.
- Contribute to enhancing the stewardship and connection of the community to the World Heritage area.
- Nominate Ningaloo Coast World Heritage Advisory Committee members to represent the Committee on the Australian World Heritage Advisory Committee and the Australian World Heritage Indigenous Network.

In 2020, the Ningaloo Coast World Heritage Advisory Committee provided a submission on the EPA's Strategic Advice for the Exmouth Gulf. The committee's advice addressed the potential to impact the outstanding universal value of the World Heritage area including visitation risks. A summary of the Ningaloo Coast World Heritage Advisory Committee visitation pressures include:

- Visitor numbers are continually increasing together with associated pressures, such as increased recreational fishing and direct impacts on sensitive coastal ecological communities.
- Unmanaged visitor access to the World Heritage property including off road driving and visitor recreation activities within and adjacent to the property continue to remain major threats to the World Heritage values.
- Increased visitation increases the risk of disturbance to ground nesting birds (terns, boobies etc.), tramping of nests and eggs and crushing of wedge-tailed shearwater burrows, eggs and chicks.
- All natural values are and will be under increasing pressure from climate change – the pressure of human interference and disturbance is another stress which may facilitate collapse of these ecosystems.
- Increasing visitation will result in increased wear and tear on infrastructure, leading to new or upgraded infrastructure (e.g. boat ramp upgrades, expanding resorts, more roads) which in turn further increase the footprint of human impact. Increasing development on coastal land may also destabilise soils and increase sediment and contaminant inputs into the Gulf after rainfall.
- Increasing visitation also raises the demand for freshwater leading to water abstraction with potential effects on the fragile subterranean aquatic habitats.

The Visitor Management Plan acknowledges the Committee's concerns regarding visitation pressures within the Ningaloo Coast World Heritage Area. This management plan responds to these concerns through the development of a tailored resort visitor education program which integrates DBCA's regional visitor management framework for the Ningaloo Coast.



3.3. Complementary Management Actions

Complementing DBCA's management framework are specific WAPC Ningaloo Coast planning controls and polices and citizen science program(s) and management actions implemented by local conservation groups and volunteers. The planning framework which are used to control tourism land uses and community management actions are defined in Table 8.

Table 8: Applicable Planning Processes & Community Group management Activities

	Strategic Planning	Key Plans
Planning and Development Act 2005	WAPC strategic planning framework	<ul style="list-style-type: none"> ▪ Statement of Planning Policy No. 6.3 Ningaloo Coast. ▪ State Coastal Planning – State Planning Policy 2.6. ▪ Position Statement: Dark Sky and astrotourism (WAPC, 2020).
	Shire of Exmouth - Local planning framework & management actions	Gascoyne Regional Planning and Infrastructure Framework.
		Exmouth Townsite Structure Plan.
		Exmouth South Structure Plan.
		Local Planning Strategy.
		Local Planning Scheme.
Vlamingh Head Masterplan.		
Operates the Ningaloo Visitor Centre and Aquarium and Discovery Centre (communicates the importance of the World Heritage area to visitors).		
Community	Community based management activities	<ul style="list-style-type: none"> ▪ Recycling in Exmouth and Containers for Change. ▪ Volunteers and local conservation groups (citizen science) participating on DBCA's Ningaloo Turtle Monitoring Program. ▪ Co-ordinate beach clean-ups with the community of Exmouth. ▪ Participation on the Ningaloo Resilient Reef Initiative (NRRRI) working group. ▪ Work with DBCA to implement feral animal program and undertake week control. ▪ Work with DBCA in implementing the Black-flanked Rock Wallaby monitoring program.

3.4. Regional Management Summary

In summary, the existing layered conservation and visitor management framework promotes close collaboration between DBCA, Traditional Owners, the Ningaloo Coast World Heritage Advisory Committee, the Department of Planning, Lands and Heritage (DPLH), Shire of Exmouth, local conservation groups, the local community and volunteers. This collaborative framework manages the natural environment, places of heritage, visitors, and associated threats within, and adjacent to, the Ningaloo Coast World Heritage Area.

The 2020 Ningaloo Coast Conservation Outlook Assessment recognised DBCA's education and interpretation programs, tourism and visitation management and monitoring program(s) as being "highly effective".

Underpinning this assessment status is DBCA's established management framework which includes visitor management programs. The 2020 Ningaloo Coast Conservation Outlook Assessment concluded:

1. *DBCA continues to incorporate World Heritage interpretive information across the World Heritage area with a continual review of visitor information including Ningaloo Marine*



Park zoning signage, Jurabi Turtle Centre, Milyering Discovery Centre, Coral Bay Information Centre, Marine Park and National Park entry signage, visitor information – multimedia and hard copy print (IUCN Consultation, 2020).

- 2. DBCA implements a number of local education and interpretation programmes that inform local community members and visitors of World Heritage values, management strategies and research outcomes (IUCN Consultation, 2017).*



4. Visitor Management Plan

This Visitor Management Plan is primarily an education management tool which aims to minimise visitors' impacts within the resort and the surrounding environment. Visitors come to the Ningaloo Coast World Heritage Area for a "Ningaloo experience" which is a term that encapsulates people appreciation of the region's remoteness and unique natural experiences. The appeal and range of the region's natural attractions and experiences will have a greater influence on visitors "Ningaloo experience" across Ningaloo Coast World Heritage Area compared with the activities associated with the resort.

This Visitor Management Plan will:

1. Provide the framework that addresses visitor behaviour through education and the promotion of well-planned visitor management that fosters awareness and protection of the Ningaloo Coast World Heritage Area. Specifically, this plan & the resort will:
 - a. Integrate the resort visitor activities and education program with DBCA's visitor management framework.
 - b. Facilitate Ningaloo experiences with licenced, accredited and sustainably operated tourist operators.

4.1. Visitor Management Framework

The resort visitors will be managed in accordance with the following principles:

- The implementation of the visitor Code of Conduct.
- Respect for Baiyungu, Thalanyji and Yinikurtura People as custodians of the land and water.
- Providing visitors with the necessary information / education material they need to make positive choices at the following scales:
 - Regionally (applying DBCA's visitor education & wider management framework).
 - Locally (applying a resort specific Visitor Code of Conduct and an education program addressing:
 - The resort's location in proximity to the DoD SST facility and facility's requirement for 'dark skies'.
 - Aboriginal heritage, turtles, seabird/shorebirds & night lighting (or dark skies) controls
 - Visitor access to Padjari Manu (Vlaming Head and Lighthouse Bay Beach
 - Waste management and wildlife interactions
 - Recreational fishing.
- Facilitating Ningaloo Coast experiences for resort visitors by engaging with locally sustainably operated tourist operators.

This management plan should be viewed as part of DBCA's regional management framework for the Ningaloo Coast World Heritage Area which surrounds the resort area. Existing management plans for these areas include the Management Plan for the Ningaloo Marine Park and Muiron Islands Marine Management Area (CALM 2005) and Cape Range National Park Management Plan (DEC 2010).

At the resort level, local visitor (and resort staff induction) management / education actions have been prepared to address:

- Visitor Code of Conduct which includes:
 - Educating visitors on the "Outstanding Universal Values for the Ningaloo Coast World Heritage" including:
 - The World Heritage Outstanding Universal Value Criteria.



- The role of DBCA as the primary government agency responsible for the management of the Ningaloo Coast (supported by the Ningaloo Coast World Heritage Advisory Committee).
- Key information (for example using DBCA's Ningaloo Coast visitor information and Commonwealth DCCEEW – World Heritage Places – The Ningaloo Coast webpages) that enables visitors to:
 - Understand the uniqueness and value of the Ningaloo World Heritage Area; and
 - DBCA's existing education and management framework in place to protect it.
- Resort's turtle & seabird/shorebird visitor guidelines (which includes management actions from DBCA's Turtle Watching Code of Conduct and the Turtle Management Plan).
- Resort night lighting (or dark sky) controls (consistent with the Artificial Light Management Plan (ALMP) & Turtle Management Plan).
- Padjari Manu (Vlaming Head) and Lighthouse Beach access pathways.
- Aboriginal heritage sites and their significance.
- Speed limit within the resort for cars / caravans.
- The Department of Defence's Space Surveillance (SST) facility and the requirement for 'Dark Skies' as a component of the resort's night lighting controls and education program.
- Resort's weed management program targeting specifically the Kapok (*Aerva javanica*) weed population.
- Waste management and wildlife encounters education program including "Dingo Aware" education material.
- Recreation fishing guidelines.

4.2. Resort Visitor Management Response

The visitor's first experience of the resort will be in the 'trip planning' phase. This provides an important opportunity to introduce potential resort visitors, for example on the resort's website, with information on the resort's unique location within the Ningaloo Coast World Heritage Area and its cultural and natural values.

The resort's digital platform(s) (which serves as the primary delivery for the resort's visitor education framework) and the Code of Conduct will be the provide pragmatic visitor education in terms of:

- Visitor education on the "Outstanding Universal Values for the Ningaloo Coast World Heritage".
- Resort's lighting and night activities (dark sky) controls inclusive of:
 - resort's location in proximity to the DoD SST facility and facility's requirement for 'dark skies'.
- Marine turtles, seabirds/shorebirds and expected behaviour.
- Aboriginal cultural values and expected behaviour.
- Access pathways to Lighthouse Bay Beach and Padjari Manu (Vlaming Head).

This information frames the resort's expectations for visitors, promotes increased awareness of the values of the resort and the Ningaloo Coast World Heritage Area before the visitor comes to the resort. This information would be supplemented by providing links to DBCA's Ningaloo Coast visitor information digital platforms including:

1. DBCA's Pilbara & Ningaloo Coast website, Facebook and Twitter account.
2. UNESCO World Heritage Convention – Ningaloo Coast webpage
3. Commonwealth DCCEEW – World Heritage Places – The Ningaloo Coast webpage
4. Ningaloo Coast World Heritage Area and sanctuary zones management maps.
5. Turtle Watching Code of Conduct – information brochure.
6. Kayaking within Ningaloo Marine Park – information brochure.
7. Spearfishing in Ningaloo Marine Park – information brochure.



8. Milyering Discovery and Jurabi Turtle Centres.
9. Ningaloo Turtle Program (Figure 4).

Resort specific level visitor education addresses the following:

- Visitor Code of Conduct.
- Aboriginal heritage and managing visitor access to and within Padjari Manu (Vlaming Head) and promotes the heritage values of Padjari Manu (Vlaming Head).
- Lighthouse Bay Beach and managing visitor access within Jurabi Coastal Park / Lighthouse Bay Beach foreshore.
- Marine turtles and shorebirds and the resort's night lighting and night activity controls and appropriate visitor behaviour.
- 'Dark sky', and specifically:
 - The resort's location in proximity to the DoD SST facility and facility's requirement for 'dark skies'.
- Weed management actions.
- Waste management and wildlife encounters education program.
- Recreational fishing

The resort's visitor specific management actions and education program are outlined in Table 3.

The education material which includes:

- Cultural information including:
 - Padjari Manu (Vlaming Head) and respectful and appropriate behaviour and recreational use.
- Provide visitor information on DBCA information including:
 - Jurabi Coastal Park, Ningaloo Marine Park reserve and sanctuary zones values and DBCA's approved recreational activities.
- Provide visitors with a map of the Padjari Manu (Vlaming Head) track locations and Lighthouse Bay Beach paths.
- Marine turtles & seabirds / shorebirds including:
 - Regional turtle species and best practice behaviour around marine turtles / DBCA's Turtle Watching Code of Contact.
 - DBCA's Shorebirds and seabirds of the Pilbara Coast and Islands.
 - The resort's turtle & interaction & seabird/shorebird visitor guidelines. This includes:
 - Overview of the marine turtle species and seabird/shorebird species of the North West Cape region (description, biology, conservation status).
 - Significance of North West Cape beaches for marine turtles & seabird/shorebird species.
 - Threats to marine turtles and seabirds/shorebirds.
 - The resort's night lighting control (dark sky) measures.
 - Education on visiting the beach and visitor behaviour guidelines (i.e., keeping distances from resting or nesting turtles, no fires and touching of turtles).
 - Information of the NTP and DBCA's Turtle Watching Code of Conduct.
 - DBCA's Jurabi Turtle Centre (and Turtle Eco-Education Tour).
- Dark skies education material including:
 - The resort's location in proximity to the DoD's SST facility and facility's requirement for 'dark skies'.



- The resort's lighting controls to reduce light pollution from the resort including (consistent with the ALMP and the resort's night lighting controls and education program)
- Provide visitor with access to further 'dark sky' information including:
 - International Dark-Sky Association information brochure.
 - Position Statement: Dark sky and astrotourism (WAPC, 2020).
- Waste controls and wildlife interactions including:
 - The resorts waste controls.
 - Visitor interactions with wildlife, specifically no feeding of wildlife.
 - Dingo awareness information (incorporates either the Shire of Exmouth's or DBCA's 'dingo awareness' visitor advice).
- Recreational fishing including:
 - Ningaloo Marine Park five management zone:
 - 'no-take' sanctuary zones.
 - special purpose (benthic protection) zones.
 - special purpose (shore-based activities) zones.
 - recreation zones. and
 - general use zone.
 - Recreational fishing licence requirements, bag and size limits visitor information will be provided through the following material:
 - The DPIRD Recreational fishing guide; and/or
 - Recreational fishing rules website - rules.fish.wa.gov.au.

The marine turtle, seabird/shorebird and interaction with wildlife education material will be provided to DBCA and the Commonwealth DCCEEW for review and feedback prior to finalising and being made available to the resort visitors via the resort's digital platforms or as hard copies.

Resort visitors' education material will be available in digital formats and if required hard copies. The education material will be prepared and be available prior to the opening of the resort. Supporting education material such as resort signage (paths/bins/interpretive information) will be installed as part of the resort's construction.

The regional and local management actions defined in this Visitor Management Plan will be complemented with the implementation of the following management actions:

- Visitor Code of Conduct
- Ningaloo Lighthouse Resort Development: ALMP – monitoring of resort's light emissions and nesting turtles.
- Landscape Plan – revegetation program using native species within the resort.
- Coastal Hazard Risk Management & Adaptation Plan – monitoring of Lighthouse Bay Beach and foreshore.

4.3. Lighthouse Beach Access

The proposed foreshore pathways will be located within the Jurabi and Bundegi Coastal Parks which is jointly managed by DBCA and the Shire of Exmouth. The resort visitors (and potentially other local visitors) will access Lighthouse Bay Beach through the formalising of the historical informal coastal tracks located within the Lighthouse Bay foreshore.

The formalised beach access paths (using the historically cleared walking trails) will be agreed in liaison with DBCA and the Shire of Exmouth. The other historical informal beach access tracks within the foreshore not identified or required as beach access paths will be formally closed by Z1Z Resorts Pty Ltd. The beach access paths will be appropriately signed and defined for resort (and local) visitors.



4.4. Adaptive management and review

The resort operator will nominate a suitably qualified 'key personnel' who will represent the resort and act as the main point of communication with Baiyungu, Thalanyji and Yinikurtura People, DBCA, Commonwealth DCCEEW, Shire of Exmouth & community groups. The nominated resort representative will facilitate the following:

- Annual review of the Visitor Management Plan.
- Arrange meetings or contact DBCA (or to other relevant parties) on any emerging visitor or environmental management issues.
- Facilitate any amendments to the Visitor Management Plan.

The annual review of the Visitor Management Plan between the resort operator, DBCA and Commonwealth DCCEEW (inclusive of visitor education and information material) will address:

- Visitor education material to ensure it remains contemporary and in alignment with DBCA's Ningaloo Coast visitor education material and visitor management objectives.
- The effectiveness of the visitor management actions including:
 - Visitor compliance with the management actions including but not limited to turtle, seabird, 'dark sky', weed management, rubbish / wildlife interaction & path use monitoring outcomes.
 - Dingo awareness program (based on either Shire of Exmouth's or DBCA's visitor advice).
 - The annual review will encompass any changes pertinent to visitor management from the IUCN World Heritage Outlook assessments and reports.

Post the review, if required, the Visitor Management Plan will be updated (including management / monitoring actions) as part of adaptive management response.



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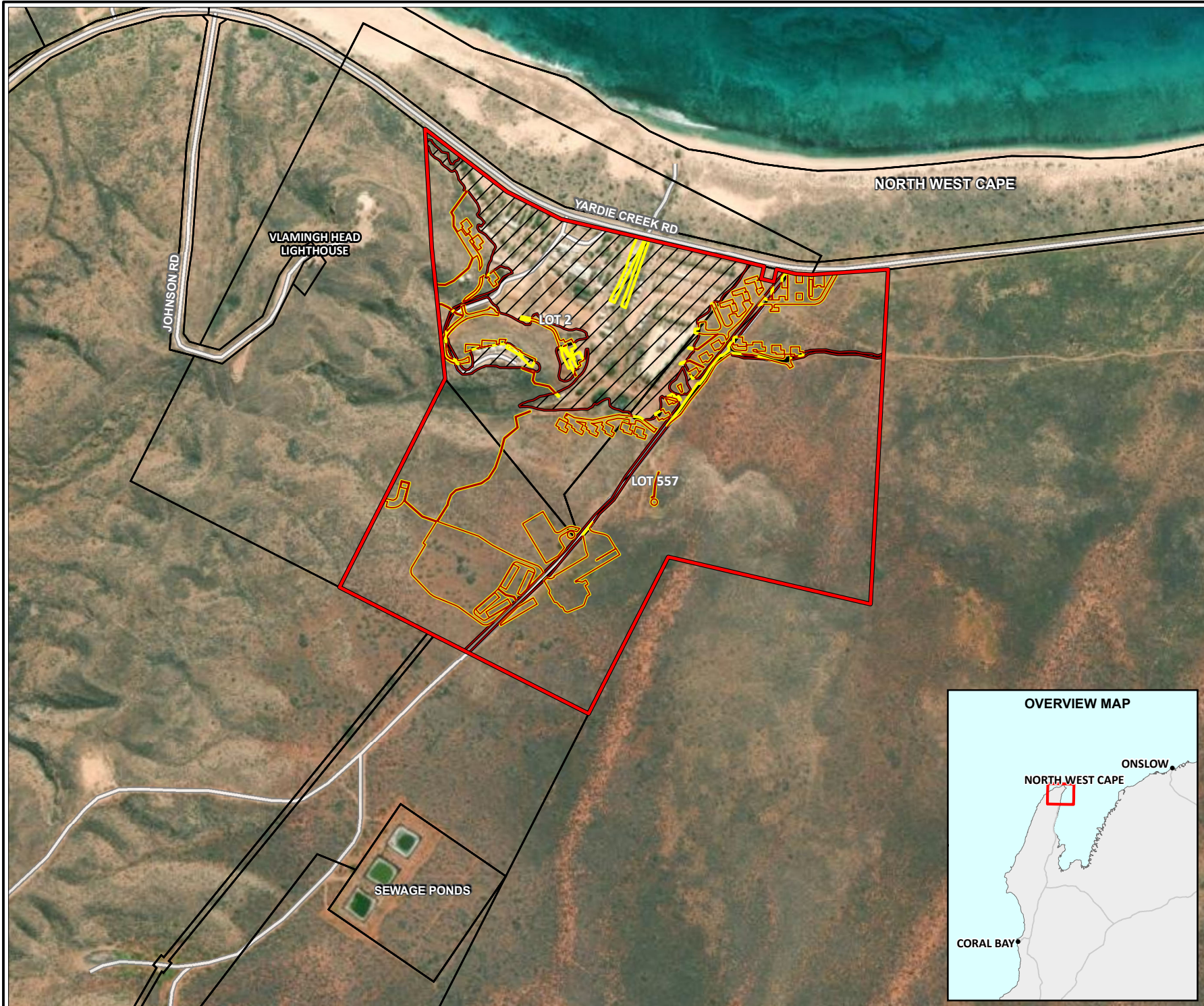
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Figures



- Legend**
- Development envelope
 - Proposed clearing
 - Disturbance footprint
 - Existing disturbed area
 - Cadastral boundary
 - Roads (MRWA)



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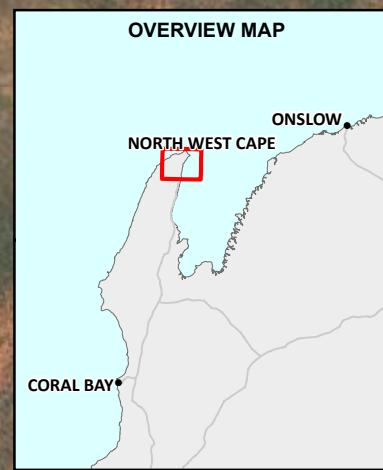
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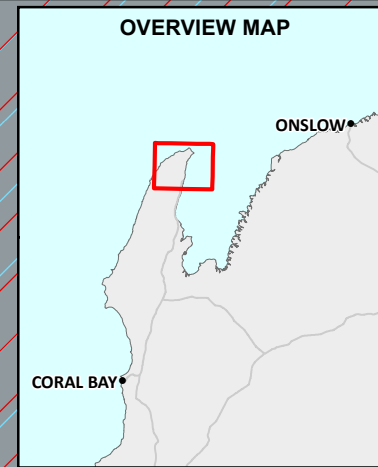
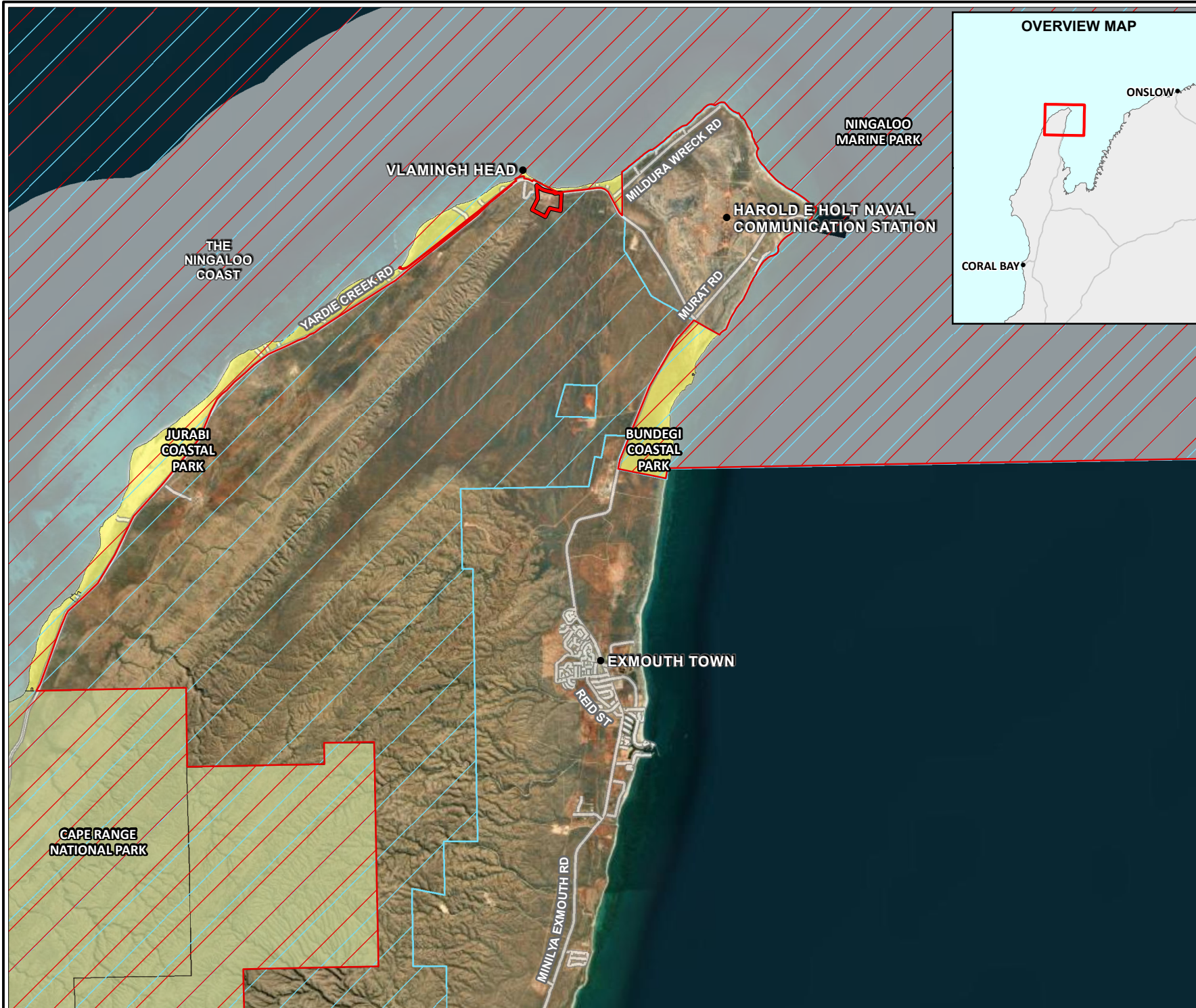
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**Ningaloo Lighthouse Resort
Lots 2 and 557
Yardie Creek Road,
North West Cape, WA**

**PROPOSED DEVELOPMENT
ENVELOPE AND INDICATIVE
DISTURBANCE FOOTPRINT**



Legend

- Project area
 - World heritage area
 - Ningaloo Coast (Natural heritage list)
- Legislated lands and waters (DECA)
- National Park
 - Section 5(1)(h) Reserve
 - Other Reserves
 - Roads (MRWA)



Job No: 60294

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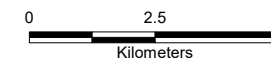
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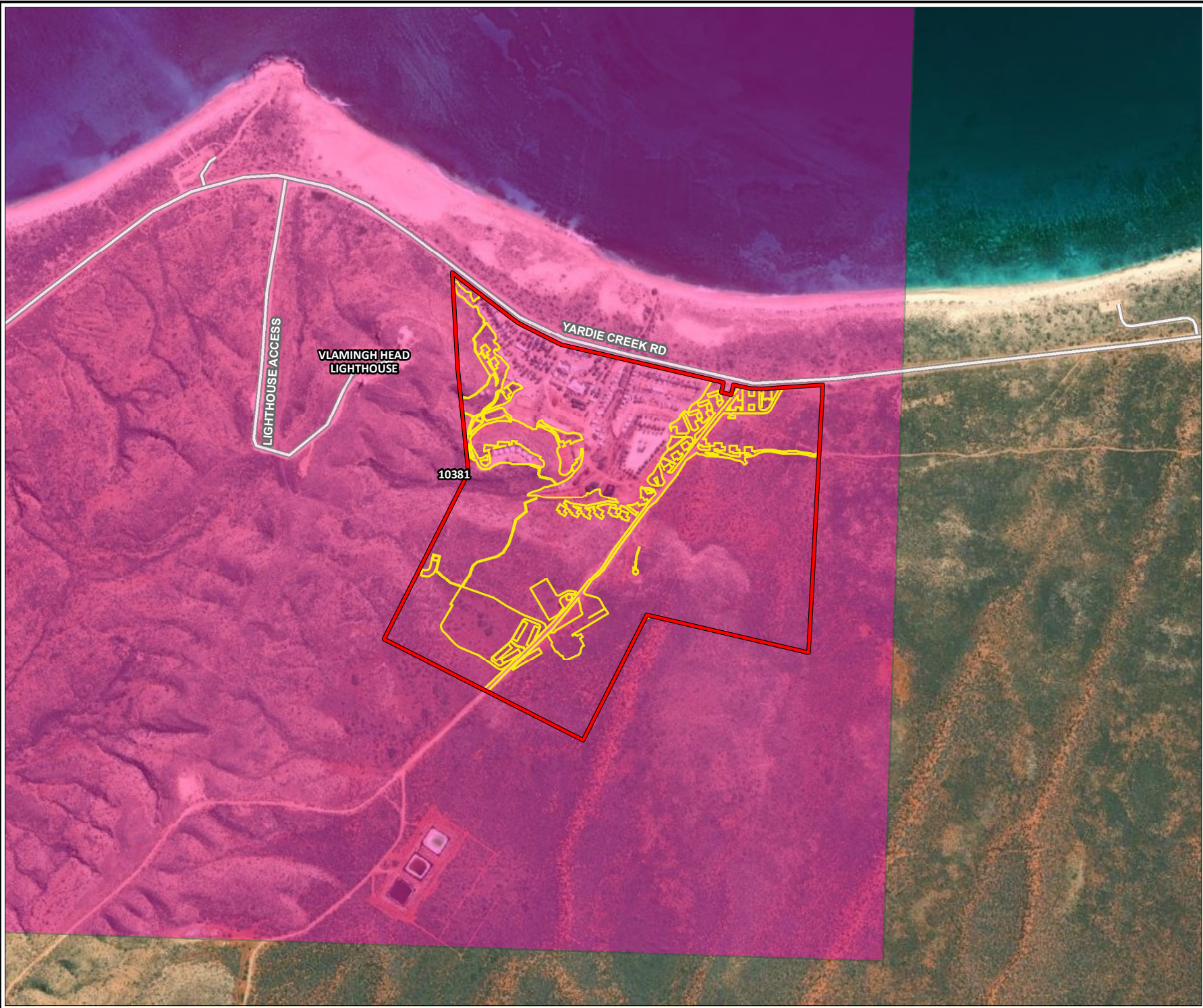


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**Lots 2 and 557
Yardie Creek Road,
North West Cape, WA**

CONSERVATION AREAS

FIGURE 2



Legend

- Development envelope
- Disturbance footprint
- Aboriginal heritage places (DAA-001)
- Registered site
- Roads (MRWA)



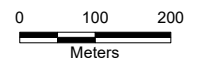
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**Lots 2 and 557
Yardie Creek Road,
North West Cape, WA**

ABORIGINAL HERITAGE

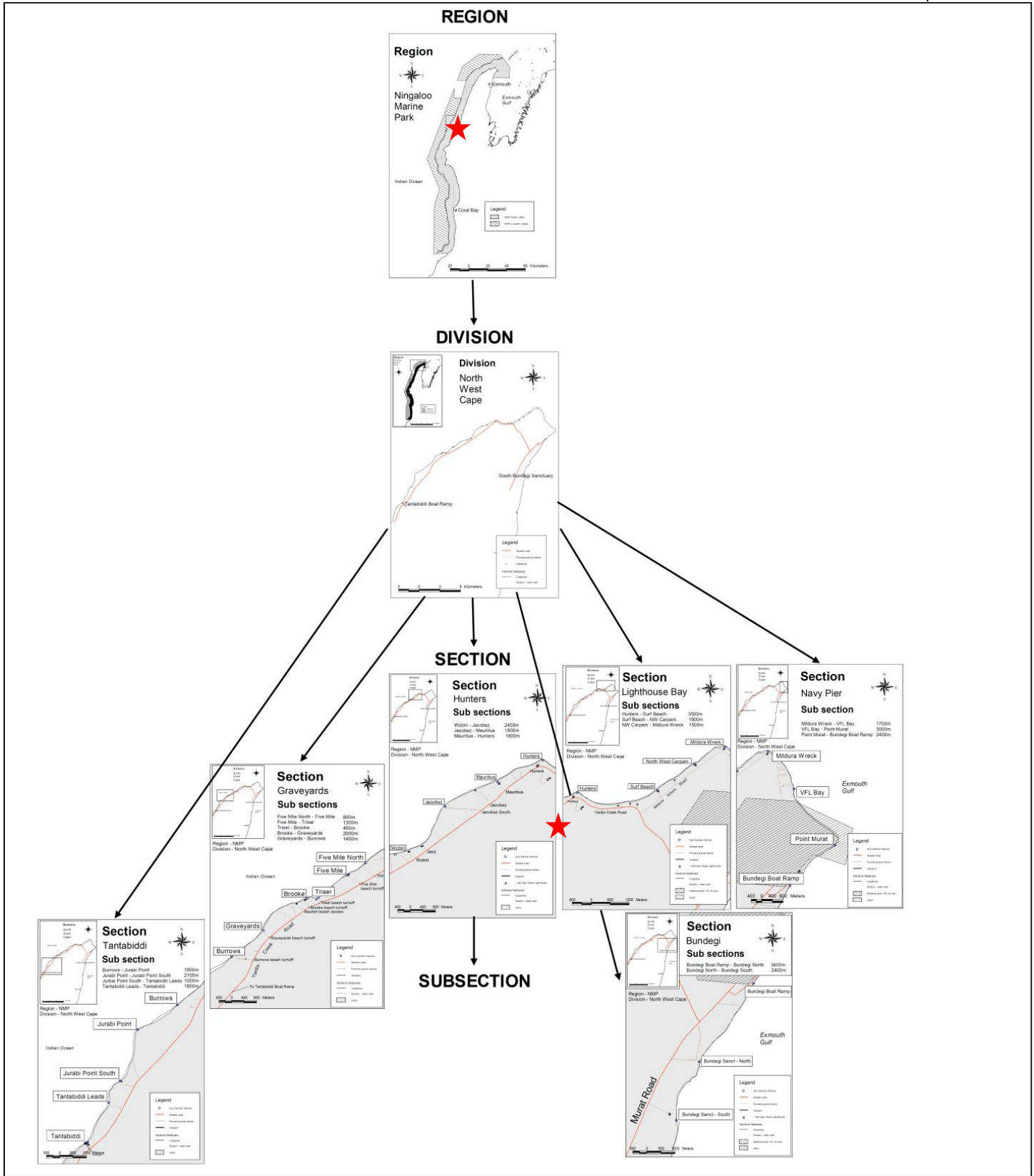


Figure 4: Ningaloo Turtle Program - North West Division