



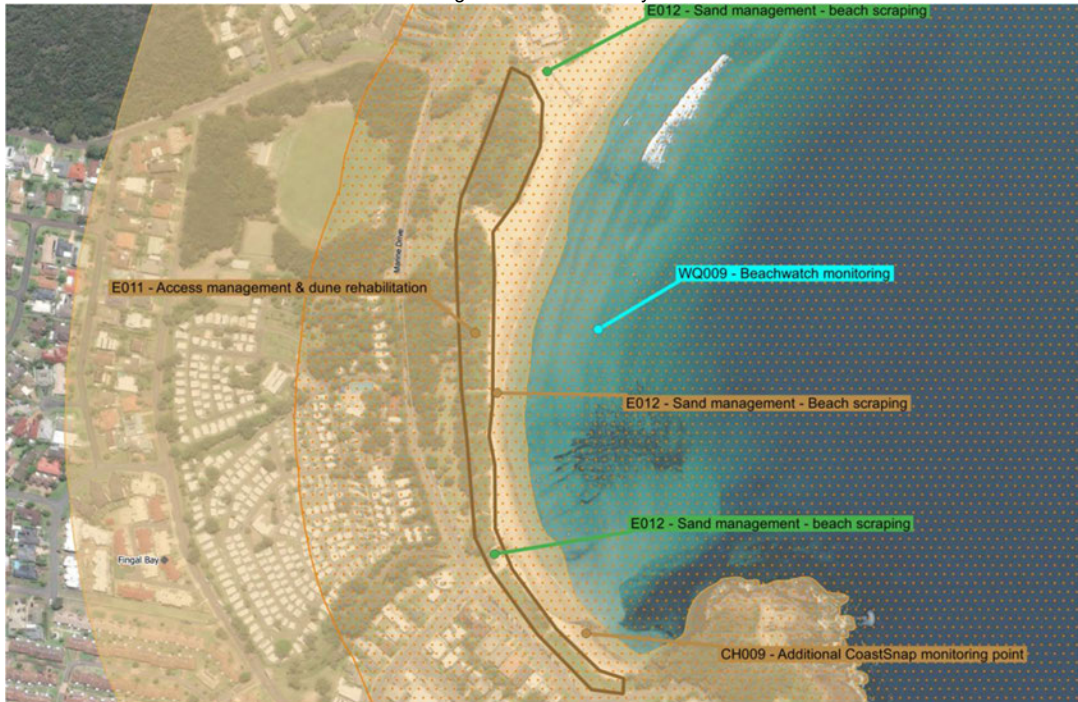
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WORK DETAILS			
SECTION 1	Project / Activity Name	CMP Action- E011 and E012 – Fingal Bay	Section undertaking Project / Activity (Proponent)
	Project Manager / Works Supervisor	Public Domain and Services	Timing and Duration
	Environmental Risk Level	<i>Determined during the Initiation Phase through an Enterprise Risk Assessment. See Project Management Framework. (Low, Medium, High or Extreme)</i>	Project / Job Number
			EDRMS
ACTIVITY DESCRIPTION			
Description	<p>Delivering actions E011 and E012 from the certified CMP 2024.</p> <p>Undertake works to manage access and rehabilitate the Fingal Bay sand dunes. This action involves renewal of dune fencing and dune re-vegetation (including sediment controls), with a provision for ongoing annual maintenance (e.g. weeding and replanting as required).</p>		
Justification and Objectives	<p>Dune re-vegetation and management of access ways supports dune stability and reduces impacts from public access. While Council has a regular program of maintenance of dunes, this location requires more intensive efforts to manage the existing level of impact through a stand-alone action.</p> <p>Objectives-</p> <ul style="list-style-type: none"> - Improved beach access and amenity - Enhance public safety - Environmental rehabilitation - Coastal protection 		
Scope of Works	<p>The proposed activities may include:</p> <ul style="list-style-type: none"> • Temporary installation of site controls for erosion and sediment, traffic control and pedestrian signage • Rehabilitation of dunes including fencing, weed control, sediment control and revegetation. • Tree maintenance – pruning, hazard reduction • Beach clean-up of debris including dead animals and beach wrack. 		

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- Mowing of turfed areas.
- Sand management- Minor scale sand carting or beach scraping to address accretion of sand and/or erosion in areas identified in the site map (INSERT
All activities to occur above the mean high watermark. Activity initiation is based on observation.



- This is an ongoing maintenance scale activity that is only undertaken to:
 - make safe public access ways
 - address minor erosion to protect the integrity of the dunes, protect for landward assets
 - address the inundation of recreation areas.

Machinery that may be used includes:

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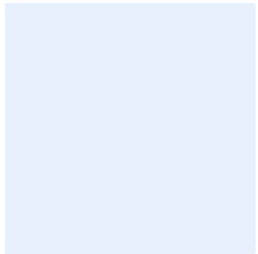
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	<ul style="list-style-type: none"> • Pozi-track • Small excavators • Long reach excavators • Backhoe • Heavy haulage trucks only if required and for delivery of fill for the toe of the boat ramp only • Ride on lawn mower • Edger • Auger • Chainsaws <p>Key processes:</p> <ul style="list-style-type: none"> • Revegetation works – digging small scale planting holes, native planting and erosion control • Delivery of materials – small tipper truck and/or work ute deliveries of materials. Heavy haulage vehicles may be required on occasion. • Demolition – limited to removal of old and/ or damaged fencing as part of maintenance activities and any failed plantings. • New/ replacement fencing - Post hole digging to a typical depth of approx. 800mm. May also include staked fencing driven into existing ground; primarily wind blown sands. Timer, shade cloth, wire. • Stockpiling – Mostly existing materials on site, or sand from within the system. imported material such as gravel for access • Machinery, Vehicles and tools – typically small trucks/utes and earth moving equipment, auger, ditch witch. • Weeding – low impact, hand removal expected. Use of herbicides may be required. • Irrigation – utilisation of existing irrigation systems where feasible. Establishment irrigation by hand or vehicle mounted equipment may be required 						
<p>Consideration of Alternatives</p>	<p>Works are actions within certified CMP. No alternate actions were identified within the document. A “do nothing” approach will lead to greater degradation of the Fingal Bay coastal environment.</p> <p>Foreshore access at each of the sites is becoming inhibited or unsafe for various reasons. Some sites have trip hazards, others require maintenance and others require a redesign of the access point. The maintenance works will ensure the continuation of safe access for members of the public, and will also reduce the burden of sand deposition of vegetation or property where it has been relocated from the access points by weather or foot traffic.</p> <p>The “do nothing” approach may result in inhibited or unsafe foreshore access and impacts from sand deposition on surrounding areas</p>						
LOCATION							
<p>Address (including Lot and DP)</p>	<ul style="list-style-type: none"> • Lot 475 DP 728137 • Lot 476 DP:728138 • P/LT 474 DP: 728136 <p>Refer to Appendix 1 – Fingal Bay Site Mapping</p>						
<p>Landowner</p>	<p><input type="checkbox"/> Port Stephens Council</p>						
	<table border="1" style="width: 100%;"> <tr> <td data-bbox="369 1356 1455 1427"></td> <td data-bbox="1455 1356 1677 1427"> <p>Land Zoning</p> </td> <td data-bbox="1677 1356 1845 1427"> <p>RE1</p> </td> </tr> <tr> <td data-bbox="369 1427 1455 1459"></td> <td data-bbox="1455 1427 1677 1459"> <p>Date of Site Inspection</p> </td> <td data-bbox="1677 1427 1845 1459"></td> </tr> </table>		<p>Land Zoning</p>	<p>RE1</p>		<p>Date of Site Inspection</p>	
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	<input checked="" type="checkbox"/> Other- Crown (PSC Trustee)		
<p>Existing Environment</p>	<p>Fingal Bay Foreshore Reserve is a highly visited and popular tourist destination, part of the new Tomaree Coastal Walk Access pathways run from council managed reserve to beach Adjoining surf club on perpetual lease Adjoining NPWS land to the north – one access way in this area</p> <p>Significant known Aboriginal Heritage site in Fingal Reserve [REDACTED]</p> <p>This soil landscape experiences wind erosion, potential mass movement hazards, steep slopes, high run-on, water erosion and foundation hazards.</p> <p>Fingal Foreshore reserve is characterised by high level dunes and sand sheets. Majority of the sites have been previously disturbed for the construction of the existing access structures or from ongoing beach assess by pedestrians.</p> <p>All soils are heavily based on sand with high capacity for wind and water erosion.</p> <p>The topography of the sites varies from flat to moderately steep access points. The access points typically contain exposed sand with vegetation either side of the walkway.</p> <p>Stormwater outlet next to boat ramp</p> <p>Refer to Appendix 1 – Fingal Bay Site Mapping to see project area</p>		
			

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SECTION 2	APPROVAL PATHWAY		
	<p><i>These Environmental Assessment forms are for Pathway 3: Part 5 Environmental Assessment under SEPP (Transport and Infrastructure) only.</i> See Environmental Assessment Guide - Planning Pathway Overview Chapter (and Flowcharts) for support in this Section.</p>		
	Pathway 1: Local Development (Part 4) → if YES, commence a Development Application		
	<p>Are the works Permitted with Consent under SEPP (Transport and Infrastructure)? See Environmental Assessment Guide : Planning Pathway Overview Chapter : Flowcharts Planning Pathway</p>	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
	<p>Do the works trigger the SEPP (Resilience and Hazards)? See Environmental Assessment Guide : Planning Pathway Overview Chapter : Flowcharts SEPP (Resilience and Hazards)</p>	Yes <input type="checkbox"/>	No <input type="checkbox"/>
	Pathway 2: Tree / Vegetation Removal → if YES commence an Environmental Assessment : Trees & Vegetation		
	<p>Is this activity solely involving vegetation and/or tree removal? See Environmental Assessment Guide : Planning Pathway Overview Chapter : Flowcharts tree removals</p>	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
	Pathway 3: Transport and Infrastructure SEPP (Part 5)		
	<p>a) Is the activity permissible under the LEP? (i.e. not listed as Prohibited in the Land Use Table?) If NO, rethink the proposed activity and its location. If YES move to (b).</p>	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
	<p>b) Are the works permitted as Exempt under SEPP (Transport and Infrastructure) but assessed as greater than negligible in Section 3 Environmental Impact Triggers in the Environmental Assessment Level 1 Form?</p> <p style="text-align: center;"><u>Or</u></p> <p>c) Are the works Permitted without Consent under SEPP (Transport and Infrastructure)?</p>	Yes <input type="checkbox"/> Clause:	No <input checked="" type="checkbox"/> No <input type="checkbox"/>
<p><u>If YES to either of these questions, move to Section 3: Environmental Impact Triggers of this Form.</u></p>	Yes <input checked="" type="checkbox"/> Clause: Division 25, 2.169. Works	No <input type="checkbox"/>	

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		identified as foreshore management activities	
SECTION 3	ENVIRONMENTAL IMPACT TRIGGERS		
	<i>See Environmental Assessment Guide – Technical Specialists & Impact Assessments Chapters for support in this Section.</i>		
	BIODIVERSITY <ul style="list-style-type: none"> Known impact to Threatened Species or Ecological Communities (including clearing of habitat) Known impact on SEPP (Koala Habitat Protection) Known impact to areas mapped on the Biodiversity Values map Working within a declared area of outstanding biodiversity value (AOBV) 	Within 100ms of the Fingal Bay Cycleway EEC (wetland). Activities will not harm the vegetation or habitat as activities are focused on managing beach access and dune rehabilitation. Project area is mapped within buffer zone Fauna however works are not expected to impact fauna	No
	COASTAL <ul style="list-style-type: none"> Known impact to SEPP (Resilience and Hazards) mapped areas (including proximity) of Coastal Wetland and/or Littoral Rainforest while undertaking exempt works? <i>See Environmental Assessment Guide : Planning Pathway Overview Chapter : Flowcharts SEPP (Resilience and Hazards)</i>	Potential to be within 100ms of Fingal Bay Cycleway coastal wetlands- Estimated 90ms+ to closest beach access point. Activities will not have an impact on the coastal wetland.	No
	HERITAGE Known impact to Aboriginal and / or non-indigenous heritage?	Known Aboriginal artefacts within Fingal Bay Beach Reserve. Dune re-vegetation activities unlikely to impact heritage value, Renewal of dune fencing involves excavation within dune and will require controls that will be included in this EA.	No
NATIONALLY SIGNIFICANT Potential impact to Matters of National Environmental Significance?	No impact identified.	No	

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	<i>Environment Protection and Biodiversity Conservation Act 1999</i>		
	<i>If all of the above are NO, continue with this Level 2 Environmental Assessment.</i>		
	<i>STOP: If you've said YES to any of the above criteria, move to a Level 3 Environmental Assessment and / or talk to the relevant technical specialist. See Environmental Assessment Guide – Technical Specialists & Impact Assessments Chapters.</i>		

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SECTION 4 : Approvals, Concurrence, Licences, Permits and Notification				
<p><i>See Environmental Assessment Guide: External Agency Consultation for support in this Section.</i></p> <p><i>Specifically refer to Flowchart: Publishing EAs on Council's Website to determine if this assessment requires publication on Councils website.</i></p> <p><i>The permits/licences highlighted below will trigger publication onto Councils Website</i></p>				
Trigger		Type	Authority	Applicability
Land Owner	Working on land not owned or controlled by PSC	Land owner consent Land access licence	Marine Parks, Hunter Water, Forestry, National Parks, Australian Government	No
	Working on Crown Land and disturbing the ground	Native Title Referral	Port Stephens Council- refer to Strategic Property NTS Corp	Yes
	All works on Crown Land	Land Claim Search and Assessment	Port Stephens Council- refer to Strategic Property	Yes
National Parks	Working adjacent to a national park, nature reserve or other area reserved under NPW Act 1974	Written notice of intention to carry our works and scope of works to NPWS	National Parks and Wildlife Service (NPWS)	Yes
Roads	Working on a classified road not under PSC control or agreement	Concurrence	Transport for New South Wales	No
Water	Natural water usage (dewatering or ground water use)	Water Access Licenses and work/use approvals	NSW Department of Climate Change, Energy, the Environment and Water	No
	Discharging to sewer	Trade Waste Agreement	Hunter Water	No
Utilities	Earthworks near services (gas, telecommunications, electricity, water)	Before you Dig check	Before you dig Australia	Yes
	Working in a mine subsidence area	Approval	Subsidence Advisory NSW Government	No
Heritage	Working near items on the State Heritage Register	Heritage Act: <ul style="list-style-type: none"> • S57(2) exempt notification • S60 approval • S140 excavation approval 	NSW Department of Climate Change, Energy, the Environment and Water	No

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	Harm or potential harm to Aboriginal objects and places	Aboriginal Heritage Impact Permit (AHIP) S90 NPW Act	NSW Department of Climate Change, Energy, the Environment and Water	No	
	Local heritage item	Concurrence	Port Stephens Council	No	
Waterways/ Marine	Working near or in a Marine Park	Marine Park Permit	Department of Primary Industries (Marine Parks)	Yes	
	Constructing a fixed or floating structure in or over navigable waters (e.g. new boat ramp)	Written notice of intention to carry our works and scope of works to Transport for NSW	Transport for NSW	No	
	Dredging or reclaiming of waterways	Land owner consent 1. Fisheries Permit S201 2. Marine Park Permit 3. Crown Land License	Land owner: 1. DPI (Fisheries) 2. DPI (Marine Parks) 3. DPE (Crown Lands)		No
		Environmental Protection Licence (EPL)	NSW Environmental Protection Authority (EPA)		No
	Controlled activity in, on or under waterfront land	Controlled Activity Approval	NSW Department of Climate Change, Energy, the Environment and Water		No
Use explosives or electrical devices in a waterway	Fisheries Permit	DPI (Fisheries)		No	
Flora and Fauna	Working near aquatic reserves, habitat or marine vegetation	Fisheries Permit S205	DPI (Fisheries)	Yes - Assessment requires publication on PSC Website	
	Obstructing fish passage	Fisheries Permit S219	DPI (Fisheries)	No	
	Taking or possessing fish or marine vegetation Undertaking Aquaculture	Fisheries Permit S37 /S144	DPI (Fisheries)	No	
	Working near or with threatened species or part of an ecological community.	Threatened Species Licence	NSW Department of Climate Change, Energy, the Environment and Water	Yes	
	Research, education or conservation activities involving protected, threatened and/or endangered species.	Scientific Licence	NSW Department of Climate Change, Energy, the Environment and Water	No	
	Harm of native fauna	Licence	National Parks and Wildlife Service (NPWS)	No	

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Pollution and hazards	Noise	Showing inconsistency with Construction Noise Guidelines	NSW EPA	No
	Pollution / Scheduled Activity	Environmental Protection Licence (EPL)	NSW EPA	No
	Asbestos removal	Licenced removalist	SafeWork NSW	No
	Storage of hazardous chemicals	Hazardous chemical notification	SafeWork NSW	No
Flooding	Carry out development that may be permitted without consent under a relevant provision (see s2.13 SEPP T&I) on flood liable land	Written notice of intention to carry our works and scope of works to State Emergency Service	State Emergency Service (SES)	No
Mine Subsidence	Development on land in a mine subsidence district	Written notice of intention to carry our works and scope of works to Mine Subsidence Board	Mine Subsidence Board	No
National	Matters of National Environmental Significance	Concurrence and permit EPBC Act	Australian Government (Department of Climate Change, Energy, the Environment and Water)	No

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SECTION 5 : Environmental Impact Assessment

Aspect: If the aspect is applicable to your activity undertake the impact assessment. If the aspect is not applicable to your activity, the impact assessment is not required but you may provide evidence as to why it is not applicable eg. dates and outcomes of GIS searches and communication with technical specialists.

Impact Description: If the aspect is applicable, you must identify and describe the specific impacts from the activity. Descriptions can include the cause, extent, severity and duration; identification of any source and receivers; if the impact is current, occurs only during works or continues post works.

Impact Without Control: Consider the level of impact from what you've described without any environmental controls identified.

Environmental Controls: If impact without control is greater than negligible, identify appropriate environmental controls to reduce impact. Hierarchy of environmental controls include Elimination, Substitution, Engineering, Administration, Safeguards. Refer to the standard bank of controls document for further guidance.

Impact With Control: Considering the initial impact of the activity and your identified environmental controls, determine the final impact on the environment from the activity.

Aspect		Impact Description	Impact Without Control	Environmental Controls	Impact With Control
AIR	Dust Applicable	<p>Click here to enter text.</p> <p>Potential for dust generation during the activities outlined in the scope of works due to vehicle movements and plant operations. Dust emissions are expected to be negligible due to the large particle size of the sand and unlikely disturbance to other soils.</p> <p>Air quality is unlikely to be significantly affected and dust generation is expected to be minimal.</p>	<p><i>Moderate: Dust generated during works that has potential to leave the site.</i></p>	<ul style="list-style-type: none"> Dust complaints will be dealt with in accordance with Council's complaints handling procedures and the source eliminated or reduced where practical. Access to work sites and around work areas will be via boat ramps and existing vehicle access ways to reduce disturbance. No disturbance to sand to be made during high wind events, monitor conditions. Dust generation to be visually monitored and controlled if required 	<p>Minor: Dust generated during works but confined to the site.</p>
	Odours Applicable	<p>Potential for odours from fumes generated from plant and equipment exhaust. Plant and equipment likely to generate odorous includes vehicles and excavators. This will be only short term. The air quality is unlikely to be significantly affected.</p> <p>Approx. 30 m – Lot 476 access from residents Approx 110m – Lot 475 to closest cabin at holiday park</p>	<p><i>Minor: Minor odour detectable during works with complaints unlikely.</i></p>	<ul style="list-style-type: none"> Plant, equipment and materials used in construction will be maintained, serviced and stored in accordance with all relevant standards and procedures. Complaints will be dealt with in accordance with Council's complaints handling procedures and the source eliminated or reduced where practical. 	<p>Negligible: Minimal to no odours detectable.</p>

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		Approx 45m – lot 475 from closest access path to café/surf club			
	Emissions <i>Applicable</i>	Potential for emissions generated from heavy machinery and plant exhaust. This will be limited and short term. The air quality is unlikely to be significantly affected.	<i>Minor: Minor emissions release short-term.</i>	<ul style="list-style-type: none"> All vehicles and machinery will be maintained to industry standards to maintain exhaust emissions within manufacturer's specifications. Machinery and vehicles will not be left running or idling for long periods when not in use. Complaints will be dealt with in accordance with Council's complaints handling procedures and the source eliminated or reduced where practical 	Negligible: Minimal to no emissions emitted.
	Aspect	Impact Description	Impact Without Control	Environmental Controls	Impact With Control
NOISE	Noise <i>Applicable</i>	<p>Noise is expected from the following sources during works:</p> <ol style="list-style-type: none"> Personnel Plant and equipment Vehicles <p>Noise is not expected to be loud enough to cause disruption, but some noise generation is unavoidable and restricted to the works period only.</p> <p>Approx. 30 m – Lot 476 access from residents Approx 110m – Lot 475 to closest cabin at holiday park Approx 45m – lot 475 from closest access path to café/surf club</p>	<i>Moderate: Offensive noise generated during works which could cause complaints.</i>	<ul style="list-style-type: none"> Plant and machinery will only be utilised during ordinary maintenance working hours. Works will not be undertaken outside of 7:00am – 5:00pm Monday to Friday and 8:00am – 2pm Saturdays. No maintenance work or deliveries will occur on Sundays or public holidays or at night. Plant, equipment and materials will be maintained in accordance with all relevant standards and procedures to reduce noise created. All equipment used will comply with the Australian Standards. Plant and equipment which is used intermittently will be either shut down in intervening periods or throttled down to a minimum. Machinery and vehicles will not be left running or idling for long periods when not in use. Noisy plant and equipment where possible will be positioned and orientated so as to minimise impact to nearby public and residents. 	Minor: Minor noise detectable during works with complaints unlikely.

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Aspect	Impact Description	Impact Without Control	Environmental Controls	Impact With Control
Vibration <i>Applicable</i>	<p>Minimal localised vibration may occur from heavy machinery.</p> <p>Approx. 30 m – Lot 476 access from residents Approx 110m – Lot 475 to closest cabin at holiday park Approx 45m – lot 475 from closest access path to café/surf club</p>	<p><i>Moderate: Moderate vibration generated during works which could cause complaints and asset damage.</i></p>	<ul style="list-style-type: none"> Any noise complaints would be addressed immediately in accordance with Council's complaints handling procedures and resolved where possible. Plant and machinery will only be utilised during ordinary maintenance working hours. Works will not be undertaken outside of 7:00am – 5:00pm Monday to Friday and 8:00am – 2pm Saturdays. No maintenance work or deliveries will occur on Sundays or public holidays or at night. Plant, equipment and materials will be maintained in accordance with all relevant standards and procedures to reduce noise created. All equipment used will comply with the Australian Standards. Plant and equipment which is used intermittently will be either shut down in intervening periods or throttled down to a minimum. Machinery and vehicles will not be left running or idling for long periods when not in use. Noisy plant and equipment where possible will be positioned and orientated so as to minimise impact to nearby public and residents. Any noise complaints would be addressed immediately in accordance with Council's complaints handling procedures and resolved where possible. 	Minor: Minor vibration detectable during works with complaints and asset damage unlikely.

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WATER	Stormwater <i>Applicable</i>	<p>There is a stormwater discharge point along foreshore reserve and there is the potential for the spread of sediment, litter, debris and fuel and oil from plant and equipment during the maintenance works however minimal impact is expected with correct implementation of erosion and sediment controls to ensure all downstream drains or waterways are protected.</p>	<p><i>Minor: Minor temporary change to stormwater quality or flows that is contained within the site.</i></p>	<ul style="list-style-type: none"> See controls for Erosion and Sediment, Stockpiles and Contamination, Chemicals outlined in Appendix 3 	Minor: Minor temporary change to stormwater quality or flows that is contained within the site.
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	<p>Groundwater <i>Applicable</i></p>	<p>Groundwater not anticipated at the site due to depths of excavation limited to approximately 600mm. Unlikely that groundwater will be detected.</p> <p>Project activities are within the drinking water catchment. Pollution of the drinking water catchment is unlikely due to the scale of works. See the impacts under the section <i>Chemicals</i> for potential risks</p>	<p><i>Negligible: No disturbance of groundwater.</i></p>	<ul style="list-style-type: none"> If groundwater is detected follow the Council's Unexpected Finds Field Guide process- see APPENDIX 3. See controls under the section <i>Contamination</i>. 	<p>Negligible: No disturbance of groundwater.</p>

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	<p>Water Bodies <i>Applicable</i></p>	<p>Works are adjacent to the Great Lakes Marine Park <i>General Use Zone</i>. Marine Park Permit application to be undertaken however works are not expected to impact the waterbody.</p> <p>There is minor potential for pollution to the marine park through inadequate sediment control or pollution from an event such as plant oil spill or inappropriate handling of chemicals.</p> <p>There is a natural watercourse located through the middle of the reserve. This watercourse will not be impacted by works as it is directed into stormwater pits located near the boat ramp.</p> <p>Bounded by LEP Wetland to north.</p> 	<p><i>Minor: Works will be carried out within a water body and may cause minor temporary change.</i></p>	<ul style="list-style-type: none"> • Marine Park Permit required. • No works to be undertaken below the mean high watermark. • Works to be planned to ensure no unnecessary plant activity/movement occurs on the beach. • See Controls: <i>Erosion and Sediment; Stockpiles; Waste; Flora and Fauna; Contamination; and Chemicals outlined in Appendix 3</i> - In the unlikely event a pollution incident occurs, works must cease. The Environmental Incident Procedure must be followed. The incident immediately reported through to the Environmental Risk Manager. 	<p>Negligible: Works may be carried out adjacent to a water body but will cause minimal to no change.</p>
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Aspect	Impact Description	Impact Without Control	Environmental Controls	Impact With Control
SOIL	<p>Vehicle/machinery on dune- potential impact to vegetation but only for duration of the works.</p> <p>The proposed works will not halt the erosion and sand accumulation process but rather the works are ongoing maintenance to ensure the structures and reserves are functional and can be safely used by the public.</p> <p>The risk of sedimentation is considered minor due to the type of soil (sand) being moved. The works are expected to be short term, however the works will be undertaken as an ongoing activity as part of foreshore maintenance.</p> <p>The works are proposing the movement of already exposed sand soils. Erosion and sediment impacts are expected to be low as no new vegetated areas are proposed to be exposed.</p> <p>Future erosion will be further mitigated by revegetation works to the foredune; protecting the foredune itself and potentially mitigating wind blown sand accretion to the carpark.</p>	<p><i>Minor: Erosion disturbance and release of sediment but contained within the site.</i></p>	<ul style="list-style-type: none"> • Appropriate Erosion and Sediment controls outlined in Appendix 3. • An accurate record of these controls and their maintenance is to be kept and provided upon request. Including silt fences and barriers around drains • Erosion and sediment control measures will be routinely inspected and maintained. This includes before and after expected heavy rainfall, with any issues corrected promptly. • Disturbed areas will be stabilised as soon as practically possible. Site disturbance will be minimised by containing machinery access to the maintenance site only and only when required. • Works exposing soils would be only undertaken when heavy rain is not predicted within the following 24 hours, unless emergency works are required. • Access to work sites and around work areas (where appropriate) would be planned and managed to reduce disturbance. • Run-off shall be diverted around the work site and erosion sediment control devices shall be installed immediately downslope of disturbed areas. 	<p>Minor: Erosion disturbance and release of sediment but contained within the site.</p>

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			<ul style="list-style-type: none"> Vehicle and machinery movements would be minimised during and immediately following wet weather to avoid/minimise disturbance to ground cover. Erosion and sediment controls are to be checked and maintained on a regular basis and records kept and provided on request. 	
Acid Sulphate Soils <i>Applicable</i>	<p>Potential minor impact due to Class 4 and Class 5 soils being mapped.</p> <p>No works below 2ms anticipated- expected depths up to 600mm, minor impact due to no anticipated disturbance.</p>	<i>Minor: Small amounts of Acid Sulphate Soils will be disturbed during works but will be managed in accordance with an existing plan or procedure.</i>	<ul style="list-style-type: none"> If Acid Sulphate Soils disturbance occurs during the proposed maintenance works, refer to the Unexpected Finds Field Guide Handbook – Appendix 3 	Minor: Small amounts of Acid Sulphate Soils will be disturbed during works but will be managed in accordance with an existing plan or procedure.
Contamination <i>Applicable</i>	<p>No contamination is expected to be uncovered onsite.</p> <p>While unlikely, there is potential for contamination of the site through:</p> <ul style="list-style-type: none"> - Spill/release of oils, fuels, pesticides; - Incorrect handling or storage of chemicals; - Pollution for incorrect disposal of waste. 	<i>Minor: Contamination is known within the site but won't be disturbed: or contaminants are used but will not be released.</i>	<ul style="list-style-type: none"> Plant to be in good working order, refuelling in controlled/ appropriately bunded areas (not on beach areas) and spill kits onsite with appropriate emergency spill response procedures in place. Personnel vehicles to be parked in formalised car parking areas. All Plant to be serviced and stored in accordance with manufacturer specifications and standards. All staff will be trained in spill response procedures and all spills will be cleaned up immediately. Equipment will not be used if there are any signs of fuel, oil or hydraulic leaks. Leaks will be repaired immediately or the equipment will be removed from site and replaced. Chemicals including pesticides are to be handled and stored as per manufacturers Safety Data Sheets (SDS). No chemicals to be stored on the beach. All imported materials are to be tested and classified prior to placement. If contamination is found onsite, refer to the Unexpected Finds Field Guide Handbook. See APPENDIX 3. See Controls: Waste and Chemicals. 	Minor: Contamination is known within the site but won't be disturbed: or contaminants are used but will not be released.
Aspect	Impact Description	Impact Without Control	Environmental Controls	Impact With Control

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FLORA & FAUNA	Native Fauna (Animals) <i>Applicable</i>	<p>Koala sighting – White-bellied sea eagle- Swift Parrot and crested tern are indicated on mapping (Appendix 12).</p> <p>The works should have a positive impact on native fauna through the improvement of habitat and control of pedestrian access. There is potential for some negative impacts noted below occurring without controls:</p> <ul style="list-style-type: none"> • There is potential that maintenance activities could temporarily disturb or injure native species from noise and additional movements of people and vehicles/machinery during works. • There is potential for temporary disturbance to beach dwelling fauna where beach areas are used for site access and movement of people and machinery. • There is potential for fauna to traverse the site during maintenance operations. • There is potential for fauna habitat disturbance or damage to occur onsite due to: movement of people, machinery/equipment.; chemical spill such as fuel/oil; inappropriate use of pesticide. • There is a potential that weeds may provide habitat for fauna and weed removal/spraying will cause destruction. 	<p><i>Minor: Native fauna and/or its habitat will have minor impacts in accordance with specialist advice and/or a licence.</i></p>	<ul style="list-style-type: none"> • The works area must be inspected visually at the commencement of work each day for any fauna, nests or dreys. • If fauna is passing through the site, cease works within 100 m of the fauna and allow fauna to move through the site without undue duress or harassment. • If the fauna is not passing through the site, the Project Manager must contact the relevant internal environmental officer. Follow the Unexpected Finds Field Guide. • If any injured fauna are present, the Unexpected Finds Field Guide process must be followed. • To minimise impact of habitat loss from weed removal- if nests/dreys are found within weed areas, segmented systematic control of prolific vegetation must occur to allow for migration and mitigation of habitat destruction. The Project Manager must contact Council internal environmental officer for advice. • Where practicable, work vehicle access and parking is to be restricted to designated work areas and existing formed access tracks and pathways to prevent any damage to habitat. • If harm occurs to fauna or their habitat, works must cease and the incident immediately reported through to the Environmental Risk Manager. The Environmental Incident Procedure must be followed. • Materials, plant and equipment will not be placed in a manner that could result in damage to surrounding vegetation. • Pesticide application will be undertaken by suitably qualified personnel and in accordance with the NSW Weed Control Handbook to prevent impact to habitat. 	<p>Negligible: Native fauna and its habitat may be present on-site but not impacted.</p>

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				<ul style="list-style-type: none"> • Chemical/Pesticide to be managed as per Section "Hazardous Materials". • Vegetation to be inspected prior to pruning to ensure there are no tree hollows, nests that will be impacted. If fauna or hollows/nests are discovered, the Project Manager is to contact internal environmental specialist for further advice. 	
	<p>Native Flora (Vegetation including trees)</p> <p><i>Applicable</i></p>	<p>Foreshore Reserve- vegetation- Coast Tea Tree- Coast Banksia-Ficinia nodosa low open shrubland on coastal foredune indicated on mapping</p> <p>The works should have a positive impact on native flora through the removal of weeds, control of pedestrian access/erosion and additional native planting. There is potential the following negative impacts could occur without controls</p> <p>There is potential that workers may inaccurately identify native flora species and remove or damage them.</p> <p>There is a potential that the movement of machinery, vehicles or people may trample/damage native vegetation.</p>	<p><i>Negligible: Native flora is present on-site but not impacted.</i></p>	<ul style="list-style-type: none"> • All workers to be experienced in Plant ID skills to ensure correct identification of native flora, invasive species and threatened species. • If threatened flora is unexpectedly identified onsite, the area is not to be disturbed and the Project Manager must notify the relevant internal staff with environmental technical expertise. See the Unexpected Finds Field Guide. • Materials, plant and equipment will not be placed in a manner that could result in damage to surrounding vegetation. • Where practicable work vehicle access and parking is to be restricted to designated work areas and existing formed access tracks, pathways and hard stand areas like car parks to prevent any damage to habitat. • If harm to flora occurs, works must cease and the incident immediately reported through to the Environmental Risk Manager. The Environmental Incident Procedure must be followed. • Vegetation to be inspected prior to pruning or removal to ensure there are no tree hollows, nests, fauna such as koalas sighted or scat on the ground below. If hollows/nests or evidence of fauna are discovered, the Project Manager is to contact Council's internal environmental specialist for further advice. • Pesticide application will be undertaken by suitably qualified personnel and in accordance with the NSW Weed Control Handbook to prevent impact to habitat. 	<p>Negligible: Native flora is present on-site but not impacted.</p>

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				<ul style="list-style-type: none"> Chemical/pesticide to be managed as per Section "Hazardous Materials". 	
<p>Aquatic Flora & Fauna</p> <p><i>Applicable</i></p>	<p>The waters adjacent to Fingal Bay foreshore are part of the Great Lakes Port Stephens Marine Park. The area is zoned Habitat Protection Zone.</p> <p>Although estuarine macrophytes are not indicated in DPI mapping, dune stabilisation works could have unlikely impacts including:</p> <ul style="list-style-type: none"> Pollution/contamination from a chemical/pesticide spill into the waterway damaging aquatic flora. Aquatic fauna or their nests on the beach could be disturbed or injured by noise and additional movements of people and vehicles/machinery during works. Pollution/contamination from a chemical/pesticide spill into the waterway damaging aquatic fauna or their habitat. 	<p><i>Moderate: Aquatic flora and fauna are known within the locality and could be impacted.</i></p>	<ul style="list-style-type: none"> See Environmental Controls for <i>Native Flora; Native Fauna; Contamination; Erosion and Sediment; Chemicals; and Stockpiles</i> as outlined in Appendix 3. Marine Park Permit required. All staff are to be inducted on the location of aquatic flora and the potential for encountering aquatic fauna onsite. Access to beach is to be limited to the required works only. No parking of vehicles is to occur on the beach. 	<p>Minor: Aquatic flora and fauna are known within the locality but won't be impacted.</p>	
<p>Threatened Species & Endangered Ecological Communities</p> <p><i>Applicable</i></p>	<p>Endangered koala- swift parrot EEC- wetland along Fingal bay foreshore</p>	<p><i>Moderate: Species, populations or communities are known within the locality and could be impacted.</i></p>	<ul style="list-style-type: none"> See Environmental Controls for <i>Native Fauna and Native Fauna</i> All staff are to be inducted of the locations of threatened flora species (see APPENDIX 6), experienced in plant ID skills and notified of the potential for encountering threatened fauna onsite. 	<p><i>Minor: Species, populations or communities are known within the locality but won't be impacted.</i></p>	

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				<ul style="list-style-type: none"> If harm to Threatened Species and EECs occurs, works must cease and the incident immediately reported through to the Environmental Risk Manager. The Environmental Incident Procedure must be followed. 	
Sensitive Areas <i>Applicable</i>	There are Landcare committees working along the Fingal Bay foreshore undertaking dune stabilisation, revegetation and weeding. Co-ordination between PDS and volunteers is required to ensure the best environmental and relationship outcomes.	<i>Minor: Sensitive areas are known within the locality but won't be impacted.</i>	<ul style="list-style-type: none"> Liaise with Volunteers Co-ordinator on planned works before commencement Project staff to liaise with Council Officer Vegetation Management Supervisor to co-ordinate revegetation/weeding works alongside volunteer activities. See Environmental Controls for Native Fauna and Native Fauna. 	Negligible: Sensitive areas are not known within the locality.	
Priority Weeds, Feral Animals and Pathogens (Biosecurity) <i>Applicable</i>	<p>A number of invasive species (Appendix 6) have been mapped within or adjacent to the work site including :</p> <ul style="list-style-type: none"> Mother of Millions Opuntia and Cylindropuntia. Long leaf willow primrose Green cestrum 	<i>Moderate: Noxious weeds, feral animals and pathogens are known within the locality and could be aggravated by the activity.</i>	<p>Invasive Weed Species Controls identified within the Invasive Species Referral assessed by Environmental Operations.</p> <ul style="list-style-type: none"> If priority weeds not previously identified are observed, cease works in the vicinity and follow the Unexpected Finds Procedure. Minimise work during excessively wet or muddy conditions where possible. Restrict vehicles and personnel to designated tracks, trails and parking areas. Where possible park and turn-around on hard, well drained surfaces. Only hard well-drained surfaces will be used for parking and as turn-around points. All machinery, plant, equipment, vehicles and boots should be clean prior to entry to the site. Any fill, soil, mulch or plants bought onto site for landscaping purposes must be free of priority weeds and/ or weed seeds, cane toads, pathogens or any of the imported pest ant species. 	Impact with Control	

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HERITAGE	<p>Worimi LALC has been notified of the maintenance program and requires further information on activities prior to works occurring. Site meetings with cultural officers will be undertaken before works commence to address this request.</p> <p>████████████████████</p> <p>Extensive search completed 12/6 and confirmation received from Heritage NSW that no impacts to the restricted site would occur.</p> <p>████████████████████</p> <p>Much of the site is highly disturbed through previous construction works to the existing beach access points and fencing and ongoing maintenance. There is however low potential for Aboriginal heritage harm as excavation activities are being undertaken. Controls are required to mitigate this risk.</p> <p>This project will have a positive impact to potential Aboriginal heritage through the stabilisation of the dune and controlling public access points. This will minimise erosion and the risk of aboriginal artefacts being exposed.</p>	<p><i>Moderate: Aboriginal artefact, object or places are known within the locality and could be impacted.</i></p>	<ul style="list-style-type: none"> Practice good machine hygiene. All staff are to be inducted of the AHIMS locations of Aboriginal sites (see APPENDIX 7) and made aware of the statutory obligations for heritage under the NSW National Parks and Wildlife Act 1974- it is an offense to harm Aboriginal objects by destroying, defacing, or damaging them, or by moving an Aboriginal object from the land. Caution must be exercised at all times for any works around this site. If suspected Aboriginal objects are located, works must immediately cease, the item protected (no-go zone with tape) and the incident immediately reported through to the Environmental Risk Manager. The Unexpected Finds Field Guide must be followed. If human remain are found, works must immediately cease, the item protected (no-go zone with tape) and the incident immediately reported to NSW Police then the Environmental Risk Manager. The Unexpected Finds Field Guide must be followed. <p>If site has scar tree:</p> <ul style="list-style-type: none"> No activities are to be undertaken near scarred trees that have potential to cause damage. No machinery to be used or excavation undertaken within the root zone. 50m buffer for pesticide application- weed removal by hand only. 	<p>Impact with Control</p>
				<ul style="list-style-type: none"> Practice good machine hygiene.

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				<ul style="list-style-type: none"> If machinery is to be used within the 50m buffer of tree, a safety spotter or observer must be designated to monitor the area and communicate with workers. Engage with Worimi Cultural Officers to discuss scope of works prior to any works occurring. If additional environmental controls are raised by Worimi LALC to protect aboriginal heritage, they are to be documented and issued as part of project initiation documentation. 	
	<p>Non-Indigenous <i>Not Applicable</i></p>	<p>No anticipated impact to non-indigenous heritage- No known non-indigenous heritage sites.</p> <p>There is an unlikely risk that non-indigenous heritage is found during excavation works.</p>	<p><i>Negligible: Non-Indigenous heritage items are not known within the locality.</i></p>	<ul style="list-style-type: none"> If suspected non-indigenous objects are located, works must immediately cease, the item protected (no-go zone with tape) and the incident immediately reported through the Environmental Risk Manager. The Unexpected Finds Field Guide must be followed. 	<p>Negligible: Non-Indigenous heritage items are not known within the locality.</p>
	Aspect	Impact Description	Impact Without Control	Environmental Controls	Impact With Control
	<p>Amenity & Community Disturbance <i>Applicable</i></p>	<p>Works should have a positive impact on the amenity of the site. The community has a vested interest in the maintenance of the foreshore and have been informed of the works through the CMP development and adoption.</p> <p>There may be periods of inconvenience to the public where access is impacted. Click here to enter text.</p>	<p><i>Minor: Amenity and/or the community will be disturbed during works but is managed in accordance with standard operating procedures.</i></p>	<ul style="list-style-type: none"> Access to work sites and around work areas will be planned and managed to reduce disturbance. Any complaints would be addressed immediately in accordance with Council's relevant codes and policies. See Environmental Controls for Public Access & Safety, Traffic, Dust, and Noise. 	<p>Minor: Amenity and/or the community will be disturbed during works but is managed in accordance with standard operating procedures.</p>
SOCIAL	<p>Public Access & Safety <i>Applicable</i></p>	<p>Public beach access points may be impacted minimally by closures as works are undertaken. Alternate beach access points to be available if one is closed due to work.</p> <p>Areas of the foreshore may be closed periodically to ensure public safety from plant/machinery movements</p>	<p><i>Minor: Public access and safety will be disturbed during works but is managed in accordance with standard operating procedures.</i></p>	<ul style="list-style-type: none"> See Environmental Controls for Amenity & Community Disturbance, Traffic, Dust, and Noise. The newly maintained foreshore area will enhance the safety and useability of the existing access to beach and dune area. 	<p>Minor: Public access and safety will be disturbed during works but is managed in accordance with standard operating procedures.</p>

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	Access to sites will be closed off for the duration of the works, in order to ensure the safety of workers and the public.			
Traffic Applicable	Impacts to Traffic are expected to be low to none as proposed works will be conducted in parks and reserves areas. There may however be some very minor impacts when plant machinery is required. Road closures are not expected to be required.	<i>Minor: Traffic is impacted during works but is managed in accordance with a Traffic Management Plan where required.</i>	<ul style="list-style-type: none"> Blocking off car parks if/when required Adequate signage in place Plant and truck movement possibly impacting Any major traffic impacts to be included in CEC See Environmental Controls for Amenity & Community Disturbance 	Minor: Traffic is impacted during works but is managed in accordance with a Traffic Management Plan where required.
Aesthetics (visual) Applicable	Whilst the aesthetics of the proposed site may be negatively impacted during maintenance, the final outcome of the project will enhance the aesthetics. Visual impacts will be temporary in nature confined to the works period.	<i>Positive: The activity will improve current aesthetics issues at the site.</i>	<ul style="list-style-type: none"> Any complaints will be included on a complaints register and responded to in a manner consistent with Council's complaints handling policies. The site will be kept in a clear, respectful condition during this phase. All work equipment and materials would be contained within the designated boundaries of the work site or works compound. The spreading of stockpiles, waste and vehicle parking would be minimised. 	Positive: The activity will improve current aesthetics issues at the site.
Land Use Applicable	The current land use of the parks and reserves areas will not change upon completion of the maintenance works. Works are consistent with the recently certified Coastal Management Program.	<i>Negligible: Improvements / maintenance of existing land use.</i>	<ul style="list-style-type: none"> Any complaints will be included on a complaints register and responded to in a manner consistent with Council's complaints handling policies. Work areas will be planned and managed to reduce disturbance. Works will not impact or change current land use 	Negligible: Improvements / maintenance of existing land use.

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				<ul style="list-style-type: none"> All disturbed areas would be revegetated or seeded and returned to preconstruction conditions to minimise the visual impact. 	
	<p>Asset Maintenance <i>Applicable</i></p>	<p>The proposed outcome of these works will reduce the maintenance requirement of the asset for the immediate future. The long term maintenance requirements will be similar to the existing maintenance project.</p>	<p><i>Negligible: Asset maintenance will require existing Council resources.</i></p>	<ul style="list-style-type: none"> Port Stephens Council will ensure this asset is retained on Council's asset register and maintenance schedules. The newly maintained item will enhance the safety and useability of the existing parks and reserves. 	<p>Negligible: Asset maintenance will require existing Council resources.</p>
	Aspect	Impact Description	Impact Without Control	Environmental Controls	Impact With Control
WASTE	<p>Waste <i>Applicable</i></p>	<p>The following waste may be generated during the project:</p> <ul style="list-style-type: none"> Excavated soil- Soil generated during works is to be spread on site. Demolition waste- Mesh, fence posts, concrete footings, wire. Pruned, removed or waste vegetation including beach debris- to be reused onsite where possible, where appropriate vegetated waste to be rafted onsite in discrete areas. Rubbish- Generated from personal and public 	<p><i>Minor: Waste generated but is managed in accordance with a Licence or Waste Management Plan where required.</i></p>	<ul style="list-style-type: none"> In certain circumstances woodchip from native species may be used onsite as mulch to protect the site from weed invasion and to improve water retention / percolation. For any excess spoil material where potentially contaminating activities have been identified on site (including Acid Sulphate Soils) this material will be tested and classified prior to leaving the site. For any excess spoil classified as contaminated, disposal of this material will be at an appropriately licensed landfill in accordance with the EPA (2014) Waste Classification Guidelines. A sufficient number of suitable and labelled receptacles for hazardous waste would be provided for waste disposal on site. Any complaints would be addressed immediately in accordance with Council's relevant codes and policies. Waste would be disposed of to an appropriately licensed waste facility with supporting waste classification documentation 	<p>Negligible: Minimal to no waste generated.</p>

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				<ul style="list-style-type: none"> Contractors would be instructed to remove all of their garbage from the work sites. All wastes would be securely stored to avoid/minimise the risk of pollutants escaping. 	
	<p>Stockpiles <i>Applicable</i></p>	<p>Sand, gravel, waste and mulch may be reserved to undertake the maintenance activities.</p> <p>Stockpiles will be temporary in nature.</p> <p>Potential impacts from stockpiling include:</p> <ul style="list-style-type: none"> - Damage to vegetation and fauna habitat - Release of dust and sediment - Potential contamination - Impacts to public amenity 	<p><i>Minor: Temporary stockpiling required.</i></p>	<ul style="list-style-type: none"> See Environmental Controls for Erosion and Sediment Control and Waste outlined in Appendix 3. Port Stephens Council has a stockpile management process. It requires the drivers to record the location from where the material is from, where it is going and how much. This is passed on to the team leader who records the information and passes it onto the cost controller for recording. Any excess spoil material that is classified Excavated Public Road Material (EPRM) will be used in accordance with the EPRM Exemption 2014 under the Protection of the Environment Operations (Waste) Regulation 2014. For any excess spoil classified as contaminated, disposal of this material will be at an appropriately licensed landfill in accordance with the EPA (2014) Waste Classification Guidelines. For any excess spoil material where potentially contaminating activities have been identified on site (including Acid Sulphate Soils) this material will be tested and classified prior to leaving the site. Protective geofabric matting to be placed on ground for further protection and control. 	<p>Minor: Temporary stockpiling required.</p>

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HAZARDOUS MATERIALS	<p>Hazardous & Dangerous Goods</p> <p><i>Applicable</i></p>	<p>No known hazardous or dangerous goods are to be used or present on site</p>	<p><i>Minor: Hazardous and dangerous goods are present or used but are managed in accordance with a Licence / standard operating procedures and are unlikely to pose a threat to environmental pollution and human health.</i></p>	<ul style="list-style-type: none"> See <i>Chemicals</i> Impacts and Controls. 	<p>Minor: Hazardous and dangerous goods are present or used but are managed in accordance with a Licence / standard operating procedures and are unlikely to pose a threat to environmental pollution and human health.</p>
	<p>Asbestos</p> <p><i>Applicable</i></p>	<p>No known asbestos and unlikely that asbestos would be uncovered during these works.</p>	<p><i>Positive: Not applicable.</i></p>	<ul style="list-style-type: none"> If asbestos is exposed, cease works and follow the Unexpected Finds Guide. See APPENDIX 3. 	<p>Negligible: No disturbance of asbestos or less than 10 square meters of non-friable asbestos to be removed.</p>
	<p>Chemicals</p> <p><i>Applicable</i></p>	<p>Chemicals will be present during works such as fuel, oil and pesticide.</p> <p>There is potential for the following impacts to occur:</p> <ul style="list-style-type: none"> Spill while refuelling at site; Spill from plant or vehicle leak; Spill from incorrect storage or handling of pesticides; Overspray of pesticide polluting waterway, flora or fauna. 	<p><i>Minor: Chemicals used but are managed in accordance with a Licence / standard operating procedures and are unlikely to pose a threat to environmental pollution and human health.</i></p>	<ul style="list-style-type: none"> All staff will be trained in spill response procedures, have spill kits onsite and all spills will be cleaned up immediately. In the unlikely event a pollution incident occurs, works must cease. The Environmental Incident Procedure must be followed. The incident must be reported through to the Environmental Risk Manager. Equipment will not be used if there are any signs of fuel, oil or hydraulic leaks. Leaks will be repaired immediately or the equipment will be removed from site and replaced. Refuelling is only to occur in controlled, appropriately bunded areas. Not on the beach or near sensitive environments. Chemicals must be stored and handled as per the manufacturers Safety Data Sheet (SDS). SDS for chemicals used should be available onsite. No chemicals are to be stored on the beach. 	<p>Minor: Chemicals used but are managed in accordance with a Licence / standard operating procedures and are unlikely to pose a threat to environmental pollution and human health.</p>

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			<ul style="list-style-type: none"> Pesticide application will be undertaken by suitably qualified personnel and in accordance with the NSW Weed Control Handbook to prevent impact to habitat. See APPENDIX 11. Staff to use appropriate PPE and control public access to onsite chemicals. See Controls: <i>Erosion and Sediments</i> and <i>Contamination</i>. 	
NATURAL HAZARDS	<p>Bushfire <i>Applicable</i></p> <p>Although Bushfire Prone Land from the North of the site is mapped, works are not expected to contribute to the start of bushfire</p> <p>If in the event of bushfires nearby, works would be rescheduled as per extreme weather controls.</p>	<p><i>Negligible: Bushfire risk at the asset or location is Low to High.</i></p>	<ul style="list-style-type: none"> Emergency procedures should be taken into consideration as part of the Construction Infrastructure Checklist (CEMP). Ensure adequate setbacks are in place from bushfire prone vegetation. Ensure vehicles/plant carry a fire extinguisher at all times to be used in the case of an emergency. Apply reasonable bushfire mitigation measures in accordance with the Planning for Bushfire Protection Guidelines maintained by the NSW Rural Fire Service. 	<p>Negligible: Bushfire risk at the asset or location is Low to High.</p>
	<p>Flooding <i>Not Applicable</i></p> <p>Location is not mapped within flood prone area and works are not expected to contribute to flooding</p>	<p><i>Negligible: Location is not mapped as Flood Prone Land.</i></p>	N/A	<p><i>Negligible: Location is not mapped as Flood Prone Land.</i></p>

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	<p>Coastal Processes <i>Applicable</i></p> <p>The works area is subject to coastal processes and is adjacent to the Great Lakes Marine Park General Zone.</p> <p>These works are endorsed in the 2024 certified CMP. The intention of the activities is to stabilise and prevent erosion of the dune environment and will have a positive impact on coastal processes.</p> <p>Purposes of proposed works are for environmental protection purposes and are not expected to impact negatively to coastal processes</p>	<p><i>Minor: Location is mapped in Coastal Protection Zone but the activity/asset will not contribute to or be affected by coastal process.</i></p>	<ul style="list-style-type: none"> Works to accommodate the coastal foreshore dynamic environment by implementing the maintenance works endorsed within the certified CMP. 	<p>Minor: Location is mapped in Coastal Protection Zone but the activity/asset will not contribute to or be affected by coastal process.</p>	
	<p>Extreme Weather Events <i>Applicable</i></p> <p>Works will not increase the likelihood of extreme weather event impacts on the foreshore. The activities should increase resilience to events through increasing resilience to coastal erosion.</p> <p>Workers will not undertake works during extreme events.</p>	<p><i>Minor: The activity/asset could be affected by extreme weather events and requires specific treatment and management.</i></p>	<ul style="list-style-type: none"> In the event of extreme weather events the site will be shut down and staff removed from the site eliminating risk. If an extreme weather event occurs causing damage, the site will be reinstated and any damage rectified as soon as practically possible; where required in consultation with relevant authorities. Emergency procedures should be taken into consideration as part of the Project Infrastructure Checklist. 	<p>Negligible: The activity/asset could be affected by extreme weather events but is managed in accordance with plans and procedures.</p>	
Aspect		Impact Description	Impact Without Control	Environmental Controls	Impact With Control
ENVIRONMENTAL	<p>Natural Resources <i>Applicable</i></p> <p>The use of natural resources will be temporary in nature and confined to the maintenance period.</p> <p>Activities require the use of the following natural resources:</p> <ul style="list-style-type: none"> - Fuel, oil - Timber - Potential quarried gravel for access paths 	<p><i>Minor: The activity or development will commit to natural resource consumption with sustainable alternatives investigated and implemented.</i></p>	<ul style="list-style-type: none"> Potential energy use will be minimised by keeping all construction machinery in good working order. Access to work sites and around work areas will be planned and managed to reduce disturbance. Work machinery or vehicles would not be left idling or running when not in use. 	<p>Minor: The activity or development will commit to natural resource consumption with sustainable alternatives</p>	

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Environmental Assessment Level 2

		- Water use		<ul style="list-style-type: none"> Recycled materials will be resourced where possible and feasible to do so. Where possible materials will be recycled for reuse on site. Where possible local construction materials, labour and equipment will be sourced to reduce transport requirements and limit the use of finite resources. 	investigated and implemented.
	Ecological Sustainability <i>Not Applicable</i>	This project will have a positive impact on ecological sustainability through reducing the impact of the public on the coastal environment and improving dune resilience to erosion	<i>Positive: Not applicable.</i>	NIL	Positive: The activity will improve ecological processes at the site.
	Aspect	Impact Description	Impact Without Control	Environmental Controls	Impact With Control
ONGOING EFFECT	Cumulative, Accumulative, Degrading <i>Applicable</i>	Works are for purposes of environmental protection as certified in CMP The works aim to improve the resilience of the foreshore environment from coastal erosion, enhance the quality of dune vegetation to support local ecological populations and reduce ongoing maintenance requirements.	<i>Minor: Minor cumulative / accumulative / degrading effect at the location from the activity.</i>	Refer to controls in this EA	Negligible: No cumulative / accumulative / degrading effect at the location from the activity.
	Transformative, Long-Term <i>Applicable</i>	Positive impact on location in protection of further impacts from coastal hazards The works aim to improve the resilience of the foreshore environment from coastal erosion, enhance the quality of dune vegetation to support local ecological populations and reduce ongoing maintenance requirements.	<i>Positive: The activity will have a positive long-term or transformative impact on the environment.</i>	N/A	Positive: The activity will have a positive long-term or transformative impact on the environment.

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OVERALL ENVIRONMENTAL IMPACT

The highest outcome in the impact with control column is the overall impact of the activity

Positive Negligible Minor Moderate Potentially Significant

If all final impacts are negligible or minor, complete Section 6: Declaration and Section 7: Determination.

If any final impact is moderate or potentially significant, reconsider Environmental Controls (refer to the Environmental Assessment Guide – Standard Environmental Control Chapter), reconsider design, or move to a Level 3 Environmental Assessment.



This Form is a report for the consideration and control of potential negative impacts on the environment to determine if the activity should be undertaken. It does not constitute permission to undertake works. Refer to EMS 3.0 Environmental Assessment Procedure for appropriate delegations and training requirements for the Assessing and Authorising Officer.

SECTION 6: DECLARATION

See Appendix 1 for a checklist to ensure the document is fully complete before signing

As the Assessing Officer preparing the assessment, I certify to the best of my knowledge that:

- This assessment provides a true and accurate review of the activity in relation to its likely impacts on the environment. It contains neither false nor misleading information.
- The activity has been assessed to have a minor, negligible or positive overall environmental impact
- The environmental impacts of the activity are NOT likely to be significant and therefore an EIS is NOT required
- The activity will not be undertaken in a declared area of outstanding biodiversity value and is NOT likely to significantly impact threatened species, threatened ecological communities or their habitat. Therefore a SIS and/or BDAR is NOT required.
- I am delegated to undertake this assessment.
- I have assessed the activity in accordance with Council's EMS 3.0 Environmental Assessment Procedure and the Environmental Assessment: Level 2 Form

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Environmental Assessment Level 2

Name	Position/Title	Service Unit	Signature	Date
Rachel Allen	Community Assets Project Officer	Facilities & Infrastructure	[Redacted Signature]	15 th August 2025

SECTION 7: DETERMINATION
See Appendix 2 for a Determination checklist to ensure the document is compliant before signing

As the Authorised Officer on behalf of Council as the determining authority, I certify that:

- I have reviewed and endorse the contents of this EA document and, to the best of my knowledge, it is in accordance with the EP&A Act, the EP&A Regulation and the Guidelines approved under clause 170 of the EP&A Regulation, and the information it contains is neither false nor misleading.
- The environmental impacts of the activity are NOT likely to be significant, therefore no EIS or SIS and/or BDAR is required, and the activity may proceed subject to the implementation of all mitigation measures set out in Section 5 of the EA document.
- I am delegated to authorise this assessment on behalf of Council as the determining authority
- The activity has been adequately assessed in accordance with Council’s EMS 3.0 Environmental Assessment Procedure and the Environmental Assessment: Level 2 Form.

Name	Position/Title	Service Unit	Signature	Date
John Maretich	Asset Section Manager	Facilities & Infrastructure	[Redacted Signature]	19/08/2025

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SECTION 8: APPENDICIES

Item	CEMP Inclusion
Appendix 1 – Fingal Bay Site Mapping	
Appendix 2 - Site Location Photos June 2025	
Appendix 3 - Port Stephens Council EMS 3.0 Environmental Fact Sheets	

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Appendix 4 – Part Lot 474 DP 728136



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Environmental Assessment Level 2


Appendix 5 – Invasive Species Mapping



Green cestrum <https://weeds.dpi.nsw.gov.au/Weeds/Greencestrum>



Environmental Assessment Level 2

	 <p>Long leaf willow primrose https://weeds.dpi.nsw.gov.au/Weeds/Longleafwillowprimrose</p>
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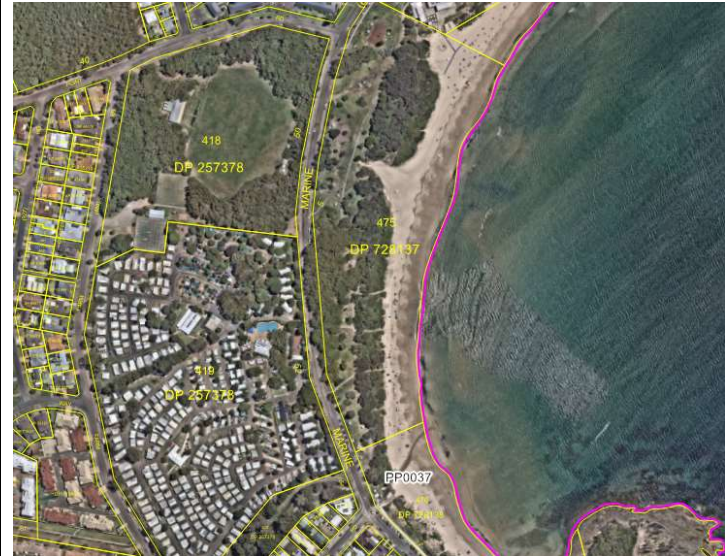
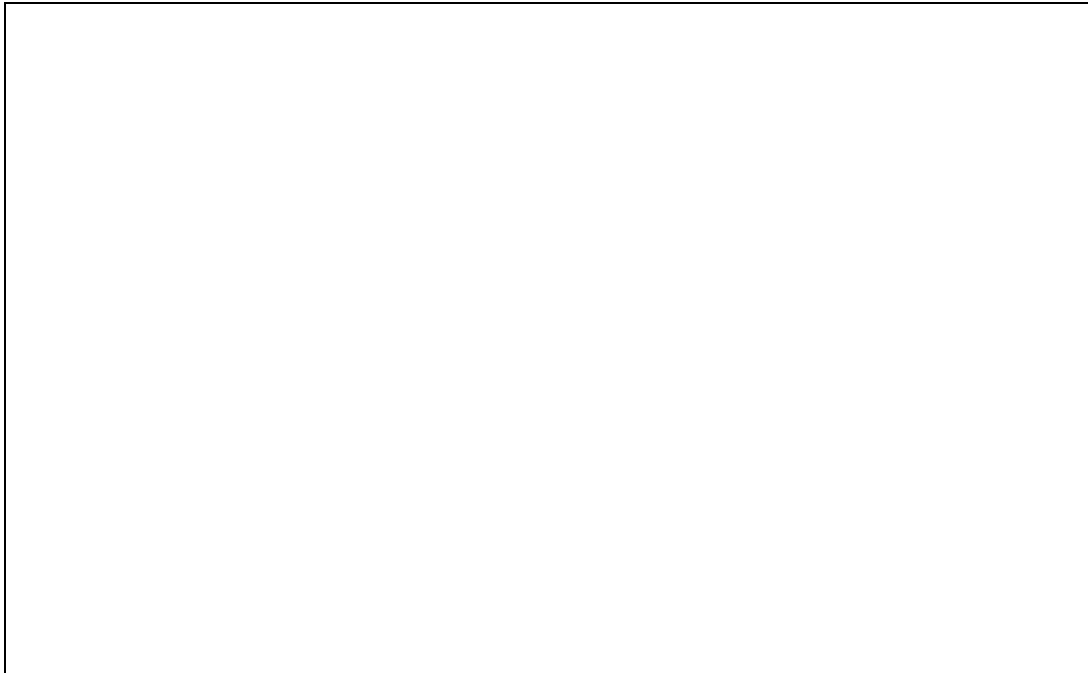


Mother of Millions
<https://weeds.dpi.nsw.gov.au/Weeds/Motherofmillions>

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Opuntia & Cylindria

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Appendix 6 – Acid Sulphate Mapping



Appendix 7 – Extensive AHIMS search results

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Appendix – 8 NSW Managing Urban Stormwater: Soils and Construction V1 1	
Appendix 9 – NSW Weed Control Handbook	
Appendix 10 – Fauna IFM mapping	An aerial photograph of a coastal area in Port Stephens, Australia. The image shows a residential development with yellow property boundaries overlaid. Numerous red and orange circular markers with an 'X' inside are scattered across the land, indicating specific locations for fauna Integrated Fauna Mapping (IFM). The coastline is visible on the right, with a pink line marking the beach edge. The ocean is dark blue.

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Appendix 1: Declaration Checklist - Assessing Officer Before signing the declaration in section 6 as the person undertaking the assessment, please check the following-		
Section	Items to check	Completed?
Section 1	Does the description of the works contain sufficient detail? (photos, details of scope, depth of excavation etc)	<input checked="" type="checkbox"/>
	Consideration of alternatives completed?	<input checked="" type="checkbox"/>
	Are all location details completed? (land zoning, land owner, site map)	<input type="checkbox"/>
Section 2	Are all boxes in section 2 ticked Yes or No?	<input type="checkbox"/>
	Are the two boxes in Pathway 1: Local Development (Part 4) ticked No? <i>(If Yes, you have selected that a DA is needed. This form cannot be used if a DA is required).</i>	<input type="checkbox"/>
	Is the correct clause/s listed for the approval pathway in Pathway 3 ?	<input type="checkbox"/>
Section 3	Are all responses 'No'? <i>(If not, a higher level of assessment is likely required).</i>	<input type="checkbox"/>
	Does each response have a justification in the form of a sentence or paragraph? Are searches and checks referenced (e.g. AHIMS search ID number)?	<input type="checkbox"/>
Section 4	Is there a Yes or No response for each of the approvals/permits in the applicability column (right hand column)?	<input type="checkbox"/>

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Section 5	Is applicable or non-applicable selected in the applicability drop down for each aspect?	<input type="checkbox"/>
	Are all selected 'impacts after controls' assessed as minor, negligible or positive? <i>(If not, a higher level of assessment is required)</i>	<input type="checkbox"/>

All items in this list must be completed before the declaration in Section 6 is signed by the assessing officer

Appendix 2: Determination Checklist- Authorising Officer
Before signing the Determination in section 7 as the delegated person on behalf of Council, please check the following

Section	Items to check	True?
Section 3	Are none of the environmental impact triggers in Section 3 triggered by the activity?	<input type="checkbox"/>
Section 5	Is every impact after controls in the far right column of section 5 <u>minor or below</u> ? <i>(If moderate, potentially significant or significant, a higher level of assessment is needed or more effective controls are required).</i>	<input type="checkbox"/>
	Is the overall environmental impact at the end of Section 5 <u>minor or below</u> ? <i>(If above Minor, a higher level of assessment is needed or more effective controls are required).</i>	<input type="checkbox"/>
	That the activity has been assessed in accordance with the EMS3.0 Procedure	<input type="checkbox"/>

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If all these items are true, the assessment has found that the activity will not significantly impact the environment. An Environmental Impact Statement (EIS), a Species Impact Statement (SIS) and/or a Biodiversity Development Assessment Report (BDAR) is therefore not required.

FINGAL BAY BEACH SITE PLAN






SCALE 1:2000 ON A1

- ACCESS WAYS/POINTS
- TOTAL PROJECT AREA
- DUNE REHABILITATION AREA

FINGAL BAY BEACH SITE PLAN-SECTION 2



SCALE 1:500 ON A1

-  ACCESS WAYS/POINTS
-  TOTAL PROJECT AREA
-  DUNE REHABILITATION AREA

FINGAL BAY BEACH SITE PLAN-SECTION 3



SCALE 1:500 ON A1

- ACCESS WAYS/POINTS
- TOTAL PROJECT AREA
- DUNE REHABILITATION AREA

FINGAL BAY BEACH SITE PLAN-SECTION 4



SCALE 1:500 ON A1

- ACCESS WAYS/POINTS
- TOTAL PROJECT AREA
- DUNE REHABILITATION AREA


FINGAL BAY BEACH SITE PLAN-SECTION 1



SCALE 1:500 ON A1

- ACCESS WAYS/POINTS
- TOTAL PROJECT AREA
- DUNE REHABILITATION AREA

Lot 475 DP 728137

Site	Work Required	Photo
1	<p>Manage access and rehabilitate sand dunes as per CMP action EO11 and E012</p> <ul style="list-style-type: none">• Sand management• Dune revegetation• Dune fencing	 <p>The 'Photo' column contains three vertically stacked images. The top image shows a dirt path leading through a dense thicket of trees and shrubs. The middle image shows a wooden fence post in a field of lush green vegetation. The bottom image shows a dirt path with a wooden fence on the left and tall, thin grasses on the right.</p>






2

Manage access and rehabilitate sand dunes as per CMP action EO11

- Sand replenishment
- Dune revegetation
- Dune fencing



3	<p>Manage access and rehabilitate sand dunes as per CMP action EO11</p> <ul style="list-style-type: none">• Sand replenishment• Dune revegetation• Dune fencing	 

4	<p>Manage access and rehabilitate sand dunes as per CMP action EO11</p> <ul style="list-style-type: none">• Sand replenishment• Dune revegetation• Dune fencing	







5

Manage access and rehabilitate sand dunes as per CMP action EO11

- Sand replenishment
- Dune revegetation
- Dune fencing



6

Manage access and rehabilitate sand dunes as per CMP action EO11

- Sand replenishment
- Dune revegetation
- Dune fencing







7









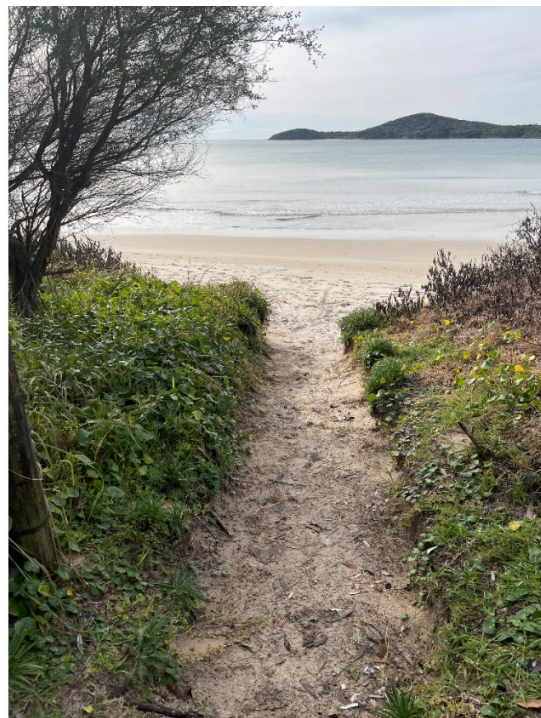



8









9	Boat Ramp	 A photograph showing a narrow dirt path leading through a fenced area. The path is flanked by tall grasses and shrubs. In the background, a body of water and a boat ramp are visible under an overcast sky.



		 A wooden staircase with several steps leading up a sandy dune. The stairs are flanked by wooden railings. The background shows a sandy slope and some trees.
10	Boat Ramp	 A concrete boat ramp leading to a beach. The ramp is made of concrete and is surrounded by grass and sand. In the background, there is a large body of water, a sandy beach, and hills in the distance.



Foreshore – Boat Ramp end

These stairs replacement
scheduled under AGRN1025 –
due for completion by 30 June
2026





