



PORT STEPHENS
COUNCIL

Environmental Assessment Level 2

WORK DETAILS			
Project / Activity Name	RA030 Dutchman's Beach Dune revegetation and management of access ways	Section undertaking Project / Activity (Proponent)	Public Domain Services
Project Manager / Works Supervisor	Darren McSpadden	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	Delivery of action RA030 from the Coastal Management Program 2024 Undertake works to manage access and rehabilitate the dunes. This action involves dune revegetation (including sediment controls), with a provision for ongoing annual maintenance (eg weeding and replanting as required). More extensive fencing and revegetation works are required under RA030 for this location and may include placement of sandstone blocks and relocation of picnic tables to further enhance the effectiveness of erosion management.		
Justification and Objectives	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. Objectives- - Improved beach access and amenity - Enhance public safety - Environmental rehabilitation - Coastal protection		
Scope of Works	The proposed activities may include: • 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. • Mowing of turfed areas. • Sand management- Minor scale sand redistribution to address accretion of sand and/or erosion in areas identified in the site map (Appendix 1) 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. • Fill gaps along existing seawall rocks with rock if required • Remove existing fencing • Move fencing line back to a line with existing table, leaving some space between new fence and existing pathway • Replace fencing with sandstone blocks (or cloth fencing if budget doesn't allow) – approx. 50m in length • Vegetate and place signs in new bank area • Remove existing picnic table and relocate to BBQ/Playground Area • Replace picnic table with a bench seat/slab		

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	Stairway: - remove existing slab - reform and re pour concrete slab to abut to stairs Machinery that may be used includes: - 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 Key processes: - 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. Timber, 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 - Placement of sandstone blocks by machine – some levelling of existing ground surface may at times be required but minimal impact expected			
Consideration of Alternatives	Maintenance is required for public safety and to avoid potential impacts due to asset failure. No alternatives possible.			
LOCATION				
Address (including Lot and DP)	Lot 7318 DP: 1138620 -1A Burbong Street Nelson Bay NSW 2315 (CROWN) Lot 12 DP 842474 – 18a Christmas Bush Avenue Nelson Bay NSW 2315 (COUNCIL) Lot 7143 DP 1054211 – 20 Christmas Bush Avenue Nelson Bay NSW 2315 (CROWN) Lot 60 DP 24943 – 18 Christmas Bush Avenue Nelson Bay NSW 2315 (COUNCIL)		Land Zoning C3	
Landowner	☐ Port Stephens Council ☒ Other- Crown (PSC Trustee) and Council <i>If the activity impacts another public authorities land (e.g. Hunter Water, National Parks etc), they are also a determining authority. The EA must be provided to them to</i>		Date of Site Inspection	8/10/25

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	produce a decision statement to accompany PSC's determination.		
Existing Environment	<i>Describe environment of the proposed work footprint and the surrounding area, including environmental areas of high value and sensitive to impacts</i> Dutchman's Beach is a popular swimming and passive recreation area enjoyed by locals and visitors. The site is a mixture of grassy foreshore reserve and formalised recreation space including pathways, playground, seating and a BBQ area. The western end of the beach is severely impacted by erosion with the beach profile diminishing. An existing rock sea wall is in place along the bank however is in need of repair by means of rock replacement to fill in the 'holes' along the wall. Stormwater outlet near access stairs is further contributing to erosion impacts – loss of beach profile and undermining of bank (stair access). Rising sea levels are further contributing to the mean high water marking coming up to the shoreline and greatly contributing to erosion along the bank. The work area consists of various land ownerships (crown and council).		
<i>Attach a map and photos indicating the location of works. Ensure all locations (i.e. if ancillary works or site compound occur at alternate locations) are considered in any mapping and the overall environmental assessment.</i>			
			

APPROVAL PATHWAY

*These Environmental Assessment forms are for Pathway 3: Part 5 Environmental Assessment under SEPP (Transport and Infrastructure) only.
See Environmental Assessment Guide - Planning Pathway Overview Chapter (and Flowcharts) for support in this Section.*

Pathway 1: Local Development (Part 4) → if YES, commence a Development Application

Are the works **Permitted with Consent** under **SEPP (Transport and Infrastructure)**?

See Environmental Assessment Guide : Planning Pathway Overview Chapter : Flowcharts Planning Pathway

Yes ☐

No ☒

Do the works trigger the **SEPP (Resilience and Hazards)**?

See Environmental Assessment Guide : Planning Pathway Overview Chapter : Flowcharts SEPP (Resilience and Hazards)

Yes ☐

No ☒

Pathway 2: Tree / Vegetation Removal → if YES commence an Environmental Assessment : Trees & Vegetation

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Is this activity solely involving vegetation and/or tree removal? <i>See Environmental Assessment Guide : Planning Pathway Overview Chapter : Flowcharts tree removals</i>		Yes ☐	No ☒
Pathway 3: Transport and Infrastructure SEPP (Part 5)			
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)	Yes ☒	No ☐
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? Or	Yes ☐ Clause:	No ☒
c)	Are the works Permitted without Consent under SEPP (Transport and Infrastructure) ?	Yes ☒ Clause: Div 25, 2.165	No ☐
If YES to either of these questions, move to Section 3: Environmental Impact Triggers of this Form.			

ENVIRONMENTAL IMPACT TRIGGERS			
<i>See Environmental Assessment Guide – Technical Specialists & Impact Assessments Chapters for support in this Section.</i>			
SECTION 3	BIODIVERSITY	<i>Supporting comments and/or evidence, summaries of technical reports</i>	
	- 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)	Works are of low impact maintenance activities and not expected to impact biodiversity	No
	COASTAL	<i>Supporting comments and/or evidence, summaries of technical reports</i>	
	Known impact to SEPP (Resilience and Hazards) mapped areas (including proximity) of Coastal Wetland and/or Littoral Rainforest while undertaking exempt works?	Works are of low impact maintenance activities and are not expected to negatively impact coastal mapped areas.	No
	<i>See Environmental Assessment Guide : Planning Pathway Overview Chapter : Flowcharts SEPP (Resilience and Hazards)</i>		
	HERITAGE		No
	NATIONALLY SIGNIFICANT		No
	Potential impact to Matters of National Environmental Significance? <i>Environment Protection and Biodiversity Conservation Act 1999</i>	Migratory birds located near the project site however not expected to be impacted	No
If all of the above are NO, continue with this Level 2 Environmental Assessment.			
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.			


SECTION 4 : Approvals, Concurrence, Licences, Permits and Notification

See Environmental Assessment Guide: External Agency Consultation for support in this Section.

*Specifically refer to **Flowchart: Publishing EAs on Council's Website** to determine if this assessment requires publication on Councils website. The permits/licences highlighted below will trigger publication onto Councils Website*

	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	Yes
	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 out works and scope of works to NPWS	National Parks and Wildlife Service (NPWS)	No
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 Licences 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	No
	Working in a mine subsidence area	Approval	Subsidence Advisory NSW Government	No
Heritage	Working near items on the State Heritage Register	Heritage Act: S57(2) exempt notification S60 approval S140 excavation approval	NSW Department of Climate Change, Energy, the Environment and Water	No
	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 out 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

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	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	No
	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
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) Migratory birds mapped near project site but works not expected to have any impact	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	Consider dust from vehicular movements, plant, equipment and materials. 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. Air quality is unlikely to be significantly affected and dust generation is expected to be minimal.	Moderate: Dust generated during works that has potential to leave the site.	- 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.	Minor: Dust generated during works but confined to the site.
	Odours Applicable	Consider odours from gas release through waste (stockpiling, composting and leachate) and sewage treatment. Fume release from vehicles, plant, equipment, chemicals. Smoke from bushfire. Potential for odours from fumes generated from plant and equipment exhaust. Plant and equipment likely to generate	Minor: Minor odour detectable during works with complaints unlikely.	Plant, equipment and materials used in construction will be maintained, serviced and stored in accordance with all relevant standards and procedures.	Negligible: Minimal to no odours detectable.

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		odorous includes vehicles and excavators. This will be only short term. The air quality is unlikely to be significantly affected. Approx 63m distance from work area to nearest residences however low impact works are not expected to impact		Complaints will be dealt with in accordance with Council's complaints handling procedures and the source eliminated or reduced where practical.	
	Emissions Applicable	Consider emission (gases, liquid droplets or solid particles) release from plant, equipment and materials. 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>	- 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 Applicable	Consider noise from vehicles, machinery, plant, equipment and people (usage). Include context consideration e.g. Timing, duration, character, level and proximity to sensitive locations such as hospitals, schools, residential, businesses. Identify the source and receivers. Consider impact during and post construction. Noise is expected from the following sources during works: 1. Personnel 2. Plant and equipment 3. Vehicles Noise is not expected to be loud enough to cause disruption, but some noise generation is unavoidable and restricted to the works period only. Approx 63m distance from work area to nearest residences	<i>Moderate: Offensive noise generated during works which could cause complaints.</i>	- 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.	Negligible: Minimal to no noise generated.

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			- 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.	
Vibration <i>Applicable</i>	Consider vibration from vehicles, machinery, plant and equipment. Include context consideration e.g. Timing, duration, character, level and proximity to sensitive locations such as hospitals, schools, residential, businesses. Identify the source and receivers and potential risk of damage to assets. Consider impact during and post construction. Minimal localised vibration may occur from heavy machinery however minimal risk to damage of assets is expected. Approx 63m distance from work area to nearest residences, minimal impact expected.	<i>Moderate: Moderate vibration generated during works which could cause complaints and asset damage.</i>	- 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.
Aspect	Impact Description	Impact Without Control	Environmental Controls	Impact With Control

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WATER	Stormwater Applicable	Consider potential for stormwater (oil, sediment, oils, chemicals, fuels, litter, debris, include any changes to stormwater quality, patterns and flows). Consider sensitive receiving environments and runoff into these areas. There is a stormwater discharge point along foreshore reserve further to the east and there is a low 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.	Minor: Minor temporary change to stormwater quality or flows that is contained within the site.	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.
	Groundwater Not Applicable	Consider any mining, mining or contaminating groundwater, including changes to the water table, groundwater incision (including bores) and monitoring wells and potential discharges. Groundwater not anticipated at the site due to depths of excavation limited to approximately 500mm. Unlikely that groundwater will be detected. Works are adjacent to the Great Lakes Marine Park Habitat Protection Zone. Marine Park Permit application to be undertaken however works are not expected to impact the waterbody. 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.	Negligible: No disturbance of groundwater.	If groundwater is detected follow the Council's Unexpected Finds Field Guide process- see APPENDIX 3. See controls under the section Contamination.	Impact with Control

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Water Bodies <i>Applicable</i>	Consider pollution (point and diffuse), nutrient loading, sedimentation, erosion, dredging, reclamation and altered flows or patterns. Water bodies include both natural and artificial waters including rivers, streams, lakes, lagoons, swamps, wetlands, unconfined surface water, dams or tidal waters (including the sea) and water in mains, pipes and channels. Works are adjacent to the Great Lakes Marine Park, <i>Habitat Protection Zone</i>. Marine Park Permit application to be undertaken however works are not expected to impact the waterbody. 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. LEP Wetlands mapped – project site within 40m buffer zone. Works are not expected to impact the wetland (seagrass). Marine Parks Permit applicable and will provide additional controls to protect this environment. Flood Planning Area mapped. High Environmental Value mapped but works not expected to impact the aquatic environment. Adequate controls in place and marine park permit applicable.	<i>Minor: Works will be carried out within a water body and may cause minor temporary change.</i>	• 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</i> outlined in Appendix 3. • 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. • Refer to Erosion and Sediment Controls • No works to be scheduled during flood event • Marine Parks Permit applicable	Negligible: Works may be carried out adjacent to a water body but will cause minimal to no change.
Aspect	Impact Description	Impact Without Control	Environmental Controls	Impact With Control

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SOIL	Erosion and Sediment <i>Applicable</i>	includes erosion disturbance and sediment transport by water, wind, excavation, clearing of vegetation and vehicle and machinery movements. Consider existing impacts, as well as construction and operational phase impacts. Vehicle/machinery on dune- potential impact to vegetation but only for duration of the works. 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. 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. 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. 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.	<i>Minor: Erosion disturbance and release of sediment but contained within the site.</i>	• Appropriate Erosion and Sediment controls as outlined in Council Unexpected Finds Field Guide (Appendix 11.) • 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. • 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.	<i>Minor: Erosion disturbance and release of sediment but contained within the site.</i>
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Acid Sulphate Soils <i>Applicable</i>	Site is a Class 1 and 5 Acid Sulphate Soils (ASS). See APPENDIX # for site ASS identified mapping. It is not anticipated that ASS will be disturbed due to the depths of works. Hydrologic Soil Type A (soils with a high infiltration rate, ability to move water downward quickly) mapped however no impacts are expected Aeolian Soil Type mapped	<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>	- If Acid Sulphate Soils disturbance occurs during the proposed maintenance works, refer to the Unexpected Finds Field Guide Handbook – Appendix 11. - Erosion and Sediment Controls to apply	<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>
	Click here to enter text.			
Contamination <i>Not Applicable</i>	Consider any disturbance of contaminated sites and potential of contamination through release of chemicals, oils, fuels, heavy metals and other hazardous materials (including waste). Works within the Willmotown management area. No contamination is expected to be uncovered onsite. While unlikely, there is potential for contamination of the site through: - Spill/release of oils, fuels, pesticides;	<i>Minor: Contamination is known within the site but won't be disturbed; or contaminants are used but will not be released.</i>	- 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.	<i>Minor: Contamination is known within the site but won't be disturbed; or contaminants are used but will not be released.</i>

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		- Incorrect handling or storage of chemicals. - Pollution for incorrect disposal of waste.		• 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.	
Aspect	Impact Description	Impact Without Control	Environmental Controls	Impact With Control	
FLORA & FAUNA	Harm includes to hunt, shoot, poison, net, snare, spear, pursue, capture, trap, injure or kill. Also consider harm to habitat including disturbance, fragmenting of corridors, destruction of nests/hollows, disruption during breeding periods and removal of food sources. May require permit (refer to Section 4). Fauna mapped within project site Migratory birds mapped at eastern end of beach near toilets Koala Habitat – mainly cleared and Native Fauna (Animals) <i>Applicable</i>	Minor. Native fauna and/or its habitat will have minor impacts in accordance with specialist advice and/or a licence.	• 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 a low 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.	Negligible. Native fauna and its habitat may be present on-site but not impacted.	

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				- 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.	
	Native Flora (Vegetation including trees) <i>Applicable</i>	Impacts/Injury Includes to pick, gather, block, cut, pull out, destroy, poison, take, dig up, crush, trample, remove or injure the plant or any part of the plant (including root systems). 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 There is potential that workers may inaccurately identify native flora species and remove or damage them. There is a potential that the movement of machinery, vehicles or people may trample/damage native vegetation.	<i>Negligible: Native flora is present on-site but not impacted.</i>	- 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	Negligible: Native flora is present on-site but not impacted.

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				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. - Chemical/pesticide to be managed as per Section "Hazardous Materials".	
	Aquatic Flora & Fauna <i>Applicable</i>	Aquatic flora includes live and dead or detached material of seagrass, mangroves, seagrasses or seaweeds. Aquatic flora management includes cutting, poisoning, removing, mowing, pulling up, poisoning or shading. May require permit (refer to Section 4). Aquatic fauna (whether alive or dead) means marine, estuarine or freshwater fish or other aquatic animal that is aquatic at any stage of their life history. Harm to aquatic fauna includes taking, mowing, obstruction of fish passage and marine entanglement. May require permit (refer to Section 4). The waters adjacent to Dutchman's Beach foreshore are part of the Great Lakes Port Stephens Marine Park. The area is zoned Habitat Protection Zone. Estuarine macrophytes (Posidonia and Zosteria) are present near the project works area as shown in DPI mapping and works are unlikely to impact however dune stabilisation works could have unlikely impacts including: - 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.	<i>Moderate: Aquatic flora and fauna are known within the locality and could be impacted.</i>	- See Environmental Controls for <i>Native Flora; Native Fauna; Contamination; Erosion and Sediment; Chemicals; and Stockpiles as outlined in Appendix 3.</i> - 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.	Minor: Aquatic flora and fauna are known within the locality but won't be impacted.

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		• Pollution/contamination from a chemical pesticide spill into the waterway damaging aquatic fauna or their habitat.			
Threatened Species & Endangered Ecological Communities Not Applicable	Complete a threatened species search on PSMaps (or bioNet Atlas). Complete a search of endangered ecological communities on PSMaps. Complete a search of the EPBC Protected Matters Database. If threatened species, ecological communities, and their habitat will be harmed and impacted (e.g., clearing habitat), a NSW test of significance and/or EPBC self-assessment must be completed. Include direct and indirect impacts if harm to threatened species (including their habitat), endangered ecological communities and/or critical habitat. Provide evidence in Appendices A Flora and Fauna Assessment may be required. May require permit (refer to Section 4). Vulnerable Species have previously been mapped near the worksite however works are of a low impact nature and are not expected to impact these species should they be present at time of works. Koalas White Bellied Sea Eagle	Minor: Species, populations or communities are known within the locality but won't be impacted.	• See Environmental Controls for Native Fauna and Native Fauna • 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.	Minor: Species, populations or communities are known within the locality but won't be impacted.	

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	Sensitive Areas <i>Applicable</i>	Consider: Aboriginal and/or Multiple Use values, historic buildings, Private Vegetation Plans (PVPs), Limestone sites and Interim Heritage Listing. The project site is zoned C3 Environmental Conservation. Koala habitat is mapped nearby, native flora is also present near the project site however is not expected to be impacted. This project should have a positive impact environmentally through improved control of pedestrian access, weed removal and revegetation.	<i>Moderate: Sensitive areas are known within the locality and could be impacted.</i>	See Environmental Controls for Native Fauna and Native Flora	<i>Minor: Sensitive areas are known within the locality but won't be impacted.</i>
	Priority Weeds, Feral Animals and Pathogens (Biosecurity) <i>Not Applicable</i>	Consider: Any noxious (including aquatic) weeds, feral animals or pathogens located on site. Impacts of weed and pathogen spread and creating conditions favourable to feral animals. No invasive species have been identified within or adjacent to the work site.	<i>Positive: Not applicable.</i>	- Refer to Unexpected Finds Procedure applicable should any invasive species be found on site during the works. - Staff to be trained in invasive species identification prior to works commencing.	<i>Positive: Activity will reduce noxious weeds, feral animals and/or pathogens at the location.</i>
Aspect		Impact Description	Impact Without Control	Environmental Controls	Impact With Control
HERITAGE	Aboriginal <i>Not Applicable</i>	Complete an AHIMS Search, may require permit. Follow initial due diligence steps (see Code): - Will the activity disturb the ground surface or any scar trees? - Are there any confirmed sites (complete AHIMS search) or associated landscape features? - Can harm be avoided? Further assessment needed if harm cannot be avoided or unsure of presence of sites/objects. Impacts to consider: Harm (destroying, defacing, or damaging) or desecrate an Aboriginal artefact, object or Aboriginal place. If in relation to an object, also includes moving the object from the land on which it has been situated. Basic AHIMS search as shown in Appendix # confirms there are no significant sites within the project area.	<i>Negligible: Aboriginal artefact, object or places are not known within the locality.</i>	- 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 offence 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 remains are found, works must immediately cease, the item protected (no-go zone with tape) and the incident	<i>Negligible: Aboriginal artefact, object or places are not known within the locality.</i>

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	Works are of low impact maintenance activities and not expected to harm.		immediately reported to NSW Police then the Environmental Risk Manager. The Unexpected Finds Field Guide must be followed. If site has scar tree: - 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. - 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 as part of project initiation documentation.	
Non-Indigenous <i>Not Applicable</i>	Indigenous Plant (Fauna): (despoil, damage or affected) to vegetation cover, in relation to a place of interest, harm: damage, despoil (disturb) (not comprises the plant or animal). (to be avoided) harm: damage, despoil or removal) to any tree or vegetation from the place of interest. Can be Commonwealth, State or Local. (to be avoided) May require permit (refer to Section 4.9). No anticipated impact to non-indigenous heritage- No known non-indigenous heritage sites. There is an unlikely risk that non-indigenous heritage is found during excavation works.	<i>Negligible: Non-Indigenous heritage items are not known within the locality.</i>	Unexpected finds procedure will apply should any significant items be identified during the works.	<i>Negligible: Non-Indigenous heritage items are not known within the locality.</i>
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SOCIAL	Amenity & Community Disturbance <i>Applicable</i>	includes current, during and post work impact to public amenities and community places. Consider public interest and potential community opposition. 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. There may be periods of inconvenience to the public where access is impacted.	<i>Minor: Amenity and/or the community will be disturbed during works but is managed in accordance with standard operating procedures.</i>	- 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.	<i>Minor: Amenity and/or the community will be disturbed during works but is managed in accordance with standard operating procedures.</i>
	Public Access & Safety <i>Applicable</i>	Consider road access and signage during works, long closure and operational maintenance. 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. Areas of the foreshore may be closed periodically to ensure public safety from plant/machinery movements. Access to sites will be closed off for the duration of the works, in order to ensure the safety of workers and the public.	<i>Minor: Public access and safety will be disturbed during works but is managed in accordance with standard operating procedures.</i>	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.	<i>Minor: Public access and safety will be disturbed during works but is managed in accordance with standard operating procedures.</i>
	Traffic <i>Applicable</i>	Consider vehicle and machinery site access, road closures, change in flow, traffic increase, pedestrian access and impact to public transport. Consider current, during and post work impacts. 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>	- 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	<i>Minor: Traffic is impacted during works but is managed in accordance with a Traffic Management Plan where required.</i>

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Aesthetics (visual) <i>Applicable</i>	Consider the magnitude, duration, frequency and frequency of the activity. Includes landscape, vegetation, and other site and community considerations. 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>	- 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 <i>Not Applicable</i>	Consider whether the development is permanent and transformative and its potential to impact future use of the land. Refer to any applicable Local Strategic Planning Statements and/or Regional/District Strategic Plans. 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>	- 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. - All disturbed areas would be revegetated or seeded and returned to preconstruction conditions to minimise the visual impact.	Negligible: Improvements / maintenance of existing land use.
Asset Maintenance <i>Applicable</i>	Consider how the asset will need to be maintained in the future. Includes the financial, social and operational impacts of asset maintenance. 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.	<i>Negligible: Asset maintenance will require existing Council resources.</i>	- 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.	Negligible: Asset maintenance will require existing Council resources.
Aspect	Impact Description	Impact Without Control	Environmental Controls	Impact With Control

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WASTE	Waste <i>Not Applicable</i>	includes gas, liquid and solid waste produced during demolition, construction and operational phases. Consider the generation, reuse/minimisation (including green and recyclable wastes), location of storage, transportation and disposal. May require licensing (refer to Section 4). Consider resource recovery orders and exemptions and conditions. The following waste may be generated during the project: - 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	<i>Minor: Waste generated but is managed in accordance with a Licence or Waste Management Plan where required.</i>	- 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 if required. - 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 - 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.	Negligible: Minimal to no waste generated.
	Stockpiles <i>Applicable</i>	Consider management of stockpiles including materials, location, size, volume, drainage and dust, erosion and sedimentation mitigation measures. Consider resource recovery orders and exemptions and conditions. Sand, gravel, waste and mulch may be reserved to undertake the maintenance activities. Stockpiles will be temporary in nature.	<i>Minor: Temporary stockpiling required.</i>	- 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.	Minor: Temporary stockpiling required.

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		Potential impacts from stockpiling include: - Damage to vegetation and fauna habitat - Release of dust and sediment - Potential contamination - Impacts to public amenity		• If any excess spoil material that is classified Excavated Public Road Material (EPRM) is required, it 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 geotextile matting to be placed on ground for further protection and control.	
Aspect	Impact Description	Impact Without Control	Environmental Controls	Impact With Control	
HAZARDOUS MATERIALS	Hazardous & Dangerous Goods <i>Not Applicable</i>	Includes explosives, flammable liquids and gases, corrosives, chemically reactive or acutely (highly) toxic substances. Consider the storage, handling, transport, use and disposal. Also includes impacts on the environment and human health. May require licensing (refer to Section 4). No known hazardous or dangerous goods are to be used or present on site	<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>	• See Chemicals Impacts and Controls.	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.

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Aspect	Asbestos <i>Not Applicable</i>	Includes Naturally Occurring Asbestos (NOA) and Asbestos Containing Material (ACM) both friable and non-friable (bonded). Consider possibility of encountering ACM at the location in soil, surface contamination, debris and older infrastructure (water and sewer pipes, buildings etc.). May require licensing (refer to Section 4). No known asbestos and unlikely that asbestos would be uncovered during these works.	Positive: Not applicable	If asbestos is exposed, cease works and follow the Unexpected Finds Guide. See APPENDIX 3.	Negligible: No disturbance of asbestos or less than 10 square meters of non-friable asbestos to be removed.
	Chemicals <i>Applicable</i>	Includes pesticides, paints, fuels, oil etc. Consider the storage, handling, transport, use and disposal. Also includes pollution impacts on the environment and human health. Chemicals will be present during works such as fuel, oil and pesticide. There is potential for the following impacts to occur: - 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	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.	- 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. - 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: Erosion and Sediments and Contamination.	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.
Aspect	Impact Description	Impact Without Control	Environmental Controls		Impact With Control

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NATURAL HAZARDS	Bushfire <i>Applicable</i>	Bushfire prone land, vegetation buffer zone located to the west of the project area, no impacts expected If in the event of bushfires nearby, works would be rescheduled as per extreme weather controls.	<i>Negligible: Bushfire risk at the asset or location is Low to High.</i>	- 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	Negligible: Bushfire risk at the asset or location is Low to High.
	Flooding <i>Not Applicable</i>	Consider the location for potential flooding risks and the likelihood for works to exacerbate flood impacts. Location is not mapped within flood prone area and works are not expected to contribute to flooding	<i>Negligible: Location is not mapped as Flood Prone Land.</i>	N/A	<i>Negligible: Location is not mapped as Flood Prone Land.</i>
	Coastal Processes <i>Applicable</i>	Consider the location for impacts from coastal process including exposure, instability, erosion and accretion. Also consider the likelihood that the works could exacerbate these impacts from coastal processes. Project site located within a coastal zone	<i>Minor: Location is mapped in Coastal Protection Zone but the activity/asset will not contribute to or be affected by coastal process.</i>	Works to accommodate the coastal foreshore dynamic environment by implementing the maintenance works endorsed within the certified CMP.	Minor: Location is mapped in Coastal Protection Zone but the activity/asset will not contribute to or be affected by coastal process.

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	Extreme Weather Events <i>Applicable</i>	Includes heat waves / cold waves, storms, rainfall, wind, flash flooding and hail. Consider impacts during works and post works (e.g. design and materials of assets). 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. Workers will not undertake works during extreme events.	<i>Minor: The activity/asset could be affected by extreme weather events and requires specific treatment and management.</i>	- 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	Negligible The activity/asset could be affected by extreme weather events but is managed in accordance with plans and procedures.
Aspect:	Impact Description		Impact Without Control	Environmental Controls	Impact With Control
ENVIRONMENTAL SUSTAINABILITY	Natural Resources <i>Applicable</i>	Consider sustainable use of natural resources including water, soil, air, energy and raw materials. The use of natural resources will be temporary in nature and confined to the maintenance period. Activities require the use of the following natural resources: - Fuel, oil - Timber - Potential quarried gravel for access paths - Water use	<i>Minor: The activity or development will commit to natural resource consumption with sustainable alternatives investigated and implemented.</i>	- 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. - 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	Minor: The activity or development will commit to natural resource consumption with sustainable alternatives investigated and implemented.
	Ecological Sustainability <i>Not Applicable</i>	Consider impact on the function and resilience of ecological processes. 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

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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.	Long-term, significant effect on the impact on the environment, with increasing pressure and therefore a high probability that cumulative impacts will cause an amplifying, intensifying, or cumulative effect on the environment, and therefore a high probability of adverse effects on the environment. <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.	Long-term, significant effect on the impact on the environment, with increasing pressure and therefore a high probability that cumulative impacts will cause an amplifying, intensifying, or cumulative effect on the environment, and therefore a high probability of adverse effects on the environment. <i>Positive: The activity will have a positive long-term or transformative impact on the environment.</i>		Minor: Long-term or transformative impact which are isolated to the location.
OVERALL ENVIRONMENTAL IMPACT The highest outcome in the impact with control column is the overall impact of the activity				

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☐ 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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Name	Position/Title	Service Unit	Signature	Date
Rachel Allen	Community Projects Officer	Facilities and Infrastructure		27/5/26

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	Assets Section Manager	Facilities and Infrastructure		27/5/26

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SECTION 8: APPENDICIES	
Item	CEMP Inclusion
Appendix 1 – Dutchman's Project Site Mapping	
Appendix 2 – Site Location Photos 8 October 2025	
Appendix 3 - - Port Stephens Council EMS 3.0 Environmental Fact Sheets	
Appendix 4 – High Environmental Value Mapping	
Appendix 5 – Acid Sulphate Mapping	



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Appendix 6 – AHIMS search results



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Appendix 7 – NSW Managing Urban Stormwater: Soils and Construction V1.1	
Appendix 8 – NSW Weed Control Handbook	
Appendix 9 – NSW Fauna IFM Mapping 	

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Appendix 10 – Stormwater Catchment Mapping





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Appendix 11 – LEP Wetland Mapping

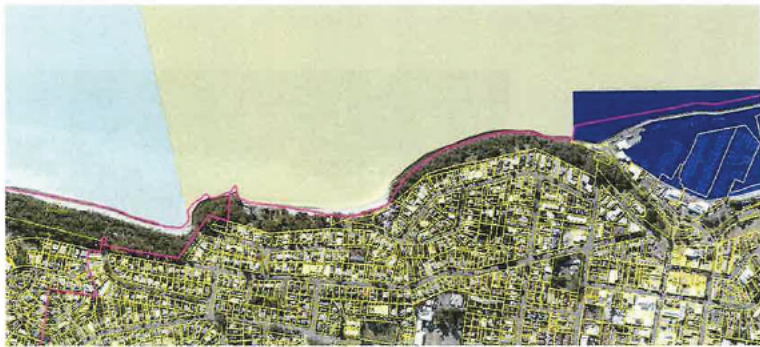


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Appendix 12 – Marine Parks Mapping





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Appendix 13 – Migratory Birds Mapping



Appendix 14 – Koala Habitat Mapping



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 An aerial photograph of a coastal area, likely an estuary, with a residential development in the foreground. The map is overlaid with various colored lines and markers: a red line along the shoreline, yellow circles with 'X' marks, and red circles with 'X' marks. The water is dark blue, and the land is a mix of green and brown.		
Appendix 15 – Estuarine Mapping		



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 An aerial photograph of a coastal area. A large portion of the land, particularly the area closer to the water and the top of the image, is shaded in red, indicating a bushfire prone zone. The area below the red zone shows a residential development with houses and roads, and a small beach area.		
Appendix 16 – Bushfire Prone Land Mapping		



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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)	☐
	Consideration of alternatives completed?	☐

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	Are all location details completed? (land zoning, land owner, site map)	☐
Section 2	Are all boxes in section 2 ticked Yes or No?	☐
	Are the two boxes in Pathway 1: Local Development (Part 4) ticked No? (If Yes, you have selected that a DA is needed. This form cannot be used if a DA is required).	☐
	Is the correct clause/s listed for the approval pathway in Pathway 3 ?	☐
Section 3	Are all responses 'No'? (If not, a higher level of assessment is likely required).	☐
	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)?	☐
Section 4	Is there a Yes or No response for each of the approvals/permits in the applicability column (right hand column)?	☐
Section 5	Is applicable or non-applicable selected in the applicability drop down for each aspect?	☐
	Are all selected 'impacts after controls' assessed as minor, negligible or positive? (If not, a higher level of assessment is required)	☐
All items in this list must be completed before the declaration in Section 6 is signed by the assessing officer		

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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?	☐
Section 5	Is every impact after controls in the far right column of section 5 <u>minor or below</u> ? (If moderate, potentially significant or significant, a <i>higher level of assessment is needed or more effective controls are required</i>).	☐
	Is the overall environmental impact at the end of Section 5 <u>minor or below</u> ? (If above <i>Minor</i> , a <i>higher level of assessment is needed or more effective controls are required</i>).	☐
	That the activity has been assessed in accordance with the EMS3.0 Procedure	☐
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.		

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