



8.2 The coastal environment

The coastline of Nungurner fronts Reeves Channel and slopes into vegetated hills. Seagrass beds surround the shore, and significant ecological communities include:

- Plains Grassy Forest
- Limestone Box Forest
- Warm Temperate Rainforest
- Littoral Rainforest and Coastal Vine Thickets (EPBC-listed)

Native vegetation and tree cover characterises the rural settlement, with bushland style gardens across residential properties. The community strongly values the flora and bushland character surrounding it. However, these ecological communities are threatened by lack of habitat connectivity, weed infestations and pest animal impacts.

8.3 Coastal processes and hazards

Nungurner's coastline is relatively high and hilly, meaning a relatively minimal risk of inundation for majority of the settlement. Into the future, flooding up into creek lines and across the foreshore may increase slightly. Some erosion is evident along the foreshore and could increase with sea level rise. An existing seawall extends from the jetty parking area west for around 200 metres.

The environmental setting means limited facilities and assets are likely to be exposed to coastal hazards. Public and privately owned coastal structures such as jetties and boat ramps could be impacted.

8.4 Coastal uses, reserves and facilities

As a small coastal settlement, facilities in Nungurner are limited, these include:

- Nungurner jetty
- Historic Jetty and Boat Shed
- A boat ramp for small watercraft
- Pathways along the foreshore
- A picnic area and toilet facilities

There are no commercial uses in Nungurner, which relies on Metung, Lakes Entrance and Bairnsdale to access services.

8.5 Coastal and marine management

Council manage around 500 m of foreshore reserve. Parks Victoria manage Reeves Channel and remaining foreshores. Gippsland Ports manage the main town jetty, with Parks Victoria managing the historic jetty and Nungurner Boat Shed.

The Nungurner Urban Design Framework (2007) guided development and coastal and marine management in Nungurner. Four key objectives of the plan are to:

- Maintain Nungurner's low-density bushland character
- Create an attractive foreshore that caters to residents and visitors
- Enhance safe walking connection
- Improve stormwater management.

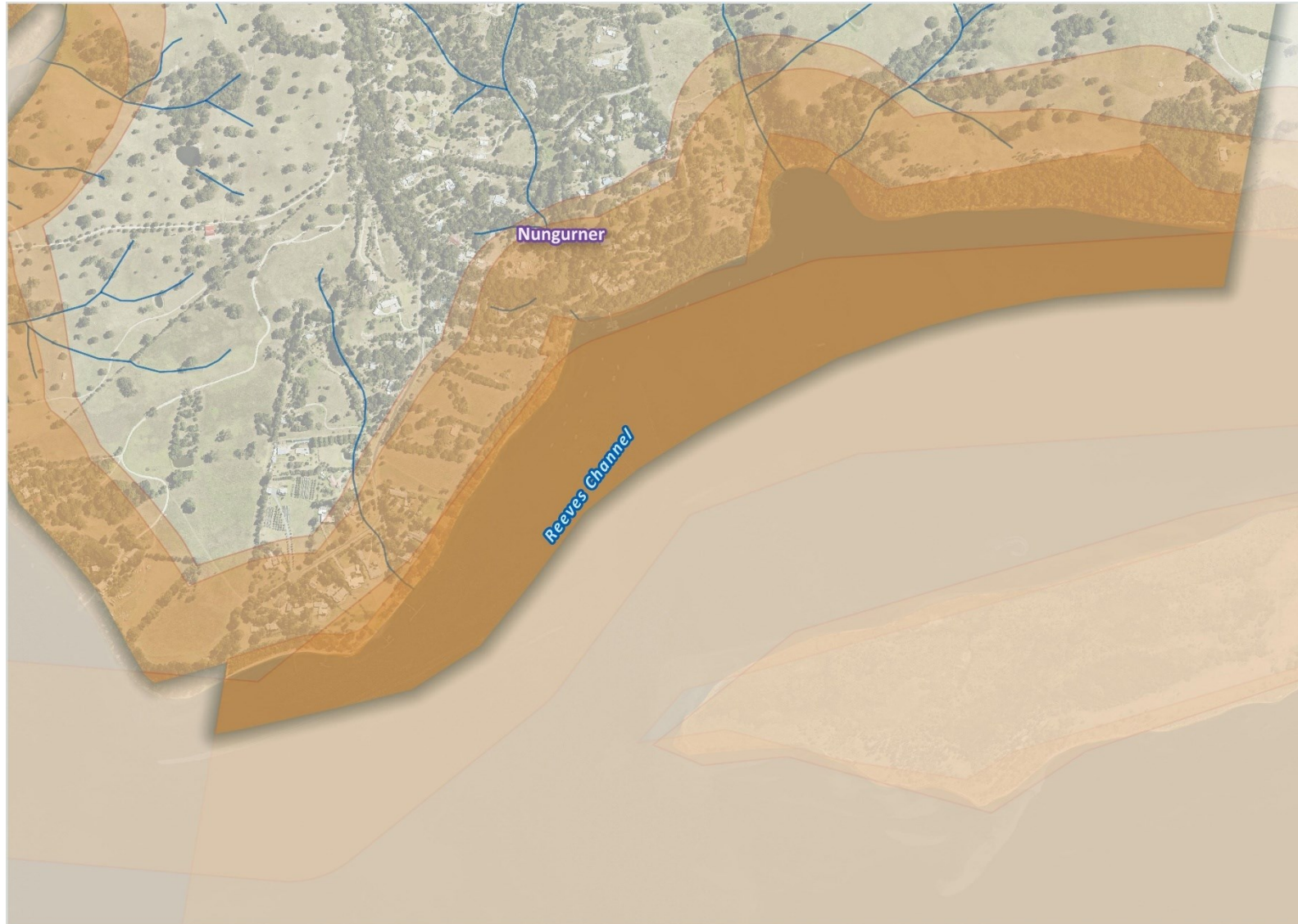
Table 6 summarises community values, challenges and opportunities across Nungurner, with focus areas for future management. Figure 68 to Figure 76 map key features, values, and management arrangements across the foreshore.



Table 16. Values, challenges and opportunities for Nungurner coastal and marine management, with focus areas for future management.

		Nungurner			Focus for management
		Values	Challenges	Opportunities	
	Traditional Owners' rights, aspirations, and knowledge	- Tatungalung people and broader Gunaikurnai connection to Country - Evidence of use and occupation - Sharing information on Traditional Owner practices (existing interpretive signage and collaboration with community groups) - Other significant Aboriginal Heritage places and sites (recorded and unrecorded)	- Limited awareness and understanding of Nungurner's cultural values - Recreational land use and shoreline erosion impacts on cultural values	- Further initiatives to share Aboriginal stories and knowledge, where desired by Traditional Owners - Strengthen existing relationships with community groups - Collaborate with GLaWAC to Investigate cultural heritage values and improve understanding – both tangible and intangible	- Maintaining natural values, including vegetation protection and enhancement - Maintaining settlement character and rural bushland setting - Upgrading aging infrastructure - Investigating opportunities for nature based coastal protection methods - Investigate and increase understanding of cultural heritage and ensure protection. 
	The marine and coastal environment	- High value natural vegetation and habitat across Nungurner foreshore reserve - Important vegetation communities – seagrasses, estuarine wetland, littoral rainforest, warm temperate rainforest, limestone box forest and damp sands herb rich woodlands - Rare and threatened species - Long Nosed Bandicoot, White-bellied Sea Eagle, Little Egret and Hooded Plover - Active environmental groups involved in weed removal, revegetation and pest control	- Feral predator, pest and weed threats - Removal of vegetation for agriculture	- Initiatives to protect endangered species, native vegetation and ecosystems - Educate and engage private landowners on native plants, species selection and vegetation protection	
	Natural processes and climate change	Hilly terrain and minimal areas of inundation	- Erosion around Nungurner Jetty - Condition of seawall protection west of boat ramp	- Aging infrastructure upgrades or removal - Nature-based coastal hazard management options	
	Sustainable use and development	- Informal walking tracks - Historic value of boat shed and old jetty - Facilities for small watercraft and access to water– kayaks, canoes, small sailing boats. - Waterfront parking, picnic facilities and toilets - Peaceful settlement surrounded by bushland	- Maintenance of historic heritage assets - Aging facilities - Pressure from development not in-keeping with settlement character	- Upgrade facilities over time - Planning arrangements to maintain settlement character, natural bush setting and native vegetation	
	Stewardship, knowledge, engagement and collaboration	Community groups - Nungurner Community Landcare Group, Nungurner Community and Coast Action Group		Increase opportunities for community involvement, in collaboration with Traditional Owners, as desired	

Nungurner mapping: Traditional Owners and cultural values



Traditional Owners and Cultural Values

Areas of Cultural Heritage Sensitivity

Other Features

Creeks and waterways

Inset map

Registered Aboriginal Parties

Gunaikurnai Land and Waters Aboriginal Corporation

Other Registered Aboriginal Parties

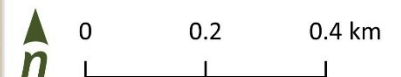


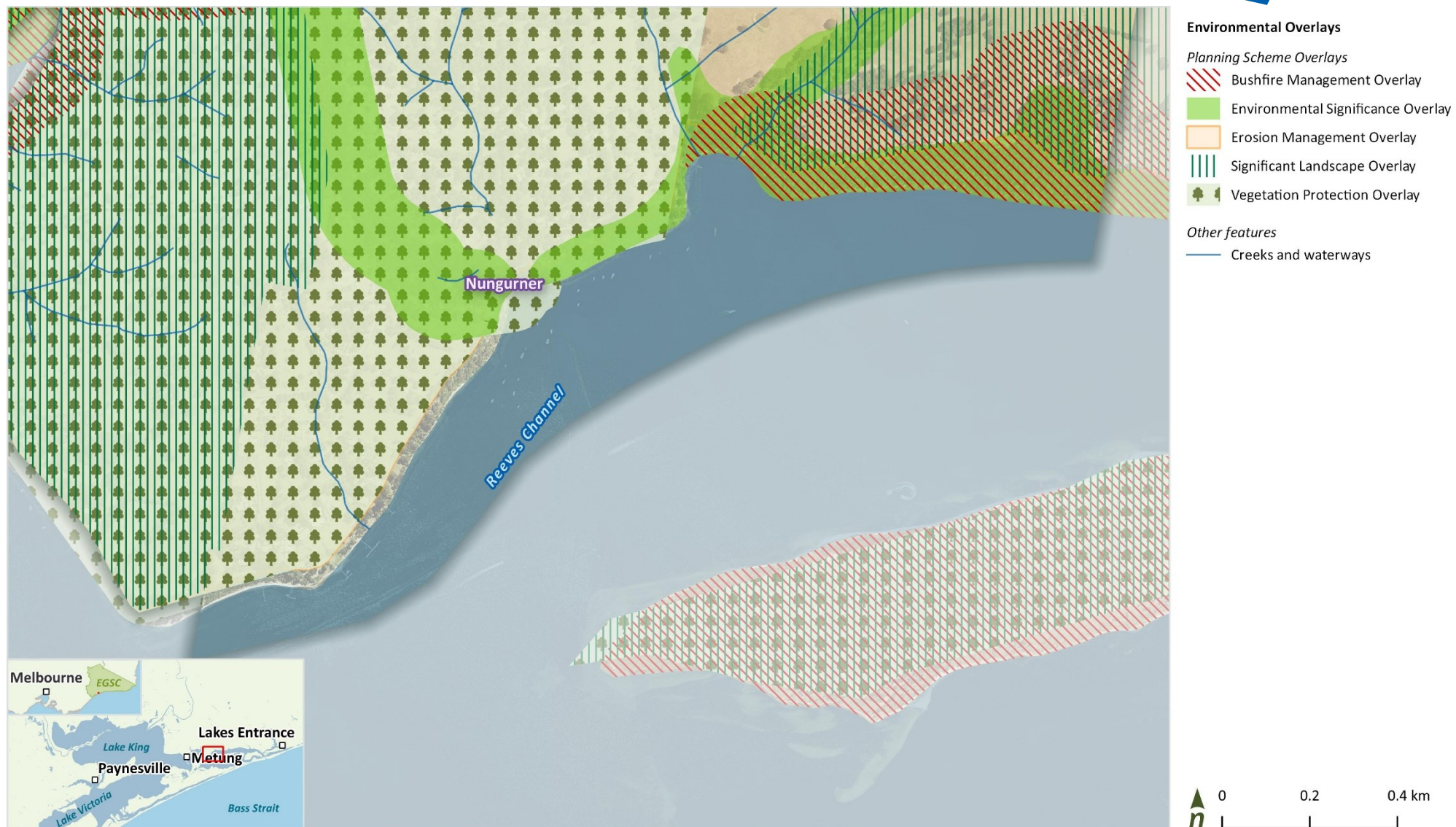
Figure 68. Registered Aboriginal Party areas, culturally sensitive areas, and Joint Management areas for Nungurner.

Nungurner mapping: Environmental values



Figure 69. Key coastal and marine environmental values, including protected areas, ecological vegetation classes (EVCs) and biotypes for Nungurner.

Nungurner mapping: Environmental overlays



Nungurner mapping: Coastal hazards



Coastal Hazards

Gippsland Lakes/90 Mile Beach LCHA*:

10% AEP Gippsland Lakes flood extent

- 0.0 m sea level rise (2014 baseline)
- 0.2 m sea level rise
- 0.4 m sea level rise
- 0.8 m sea level rise

Lake shoreline erosion hazard extent

- 0.8 m sea level rise

Other features

- Creeks and waterways

AEP: Annual Exceedence Probability (AEP) is the probability of an event occurring in any given year.

Data sources:

*Water Technology 2014 - Gippsland Lakes and 90 Mile Beach Local Coastal Hazard Assessment (LCHA) Project

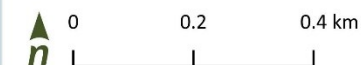


Figure 71. Coastal hazard mapping from the Gippsland Lakes/90 Mile Beach LCHA for Nungurner.

Nungurner mapping: Coastal protection and drainage infrastructure



Figure 72. Coastal protection and drainage infrastructure for Nungurner.

Nungurner mapping: Recreation and transport



Figure 73. Recreation facilities and transport networks for Nungurner.

Nungurner mapping: Planning scheme zones

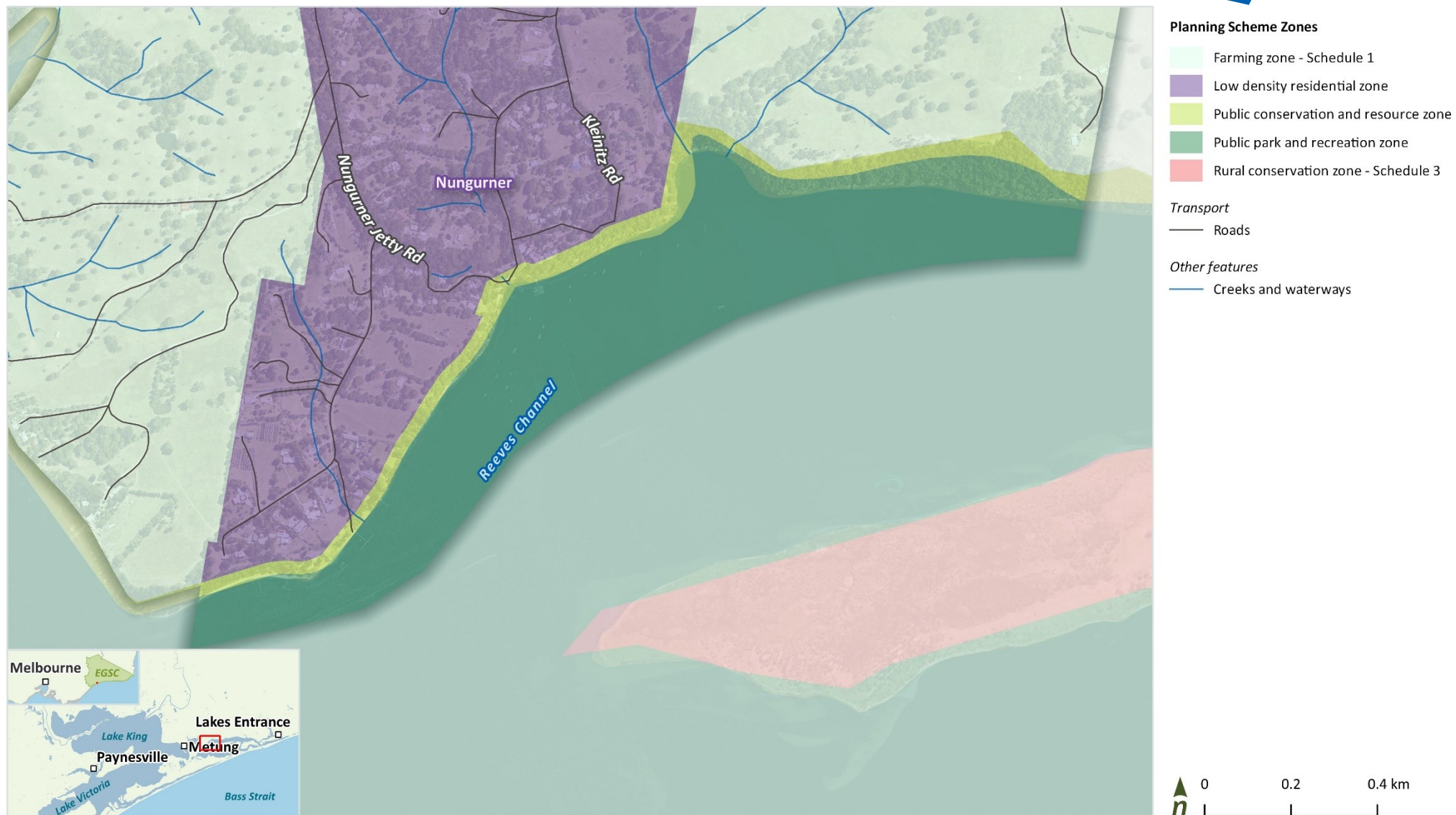


Figure 74. Planning scheme zones for Nungurner.

Nungurner mapping: Planning overlays



Planning Overlays

Property boundaries

Planning Scheme Overlays

Land Subject To Inundation Overlay

Design and Development Overlay

Other features

Creeks and waterways

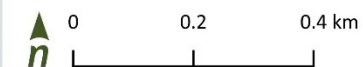


Figure 75. Other planning scheme overlays for Nungurner.

Nungurner mapping: Land management arrangements



Figure 76. Public land management arrangements for Nungurner.



8.6 Management actions

Table 17 details the CMMP management actions for Nungurner.

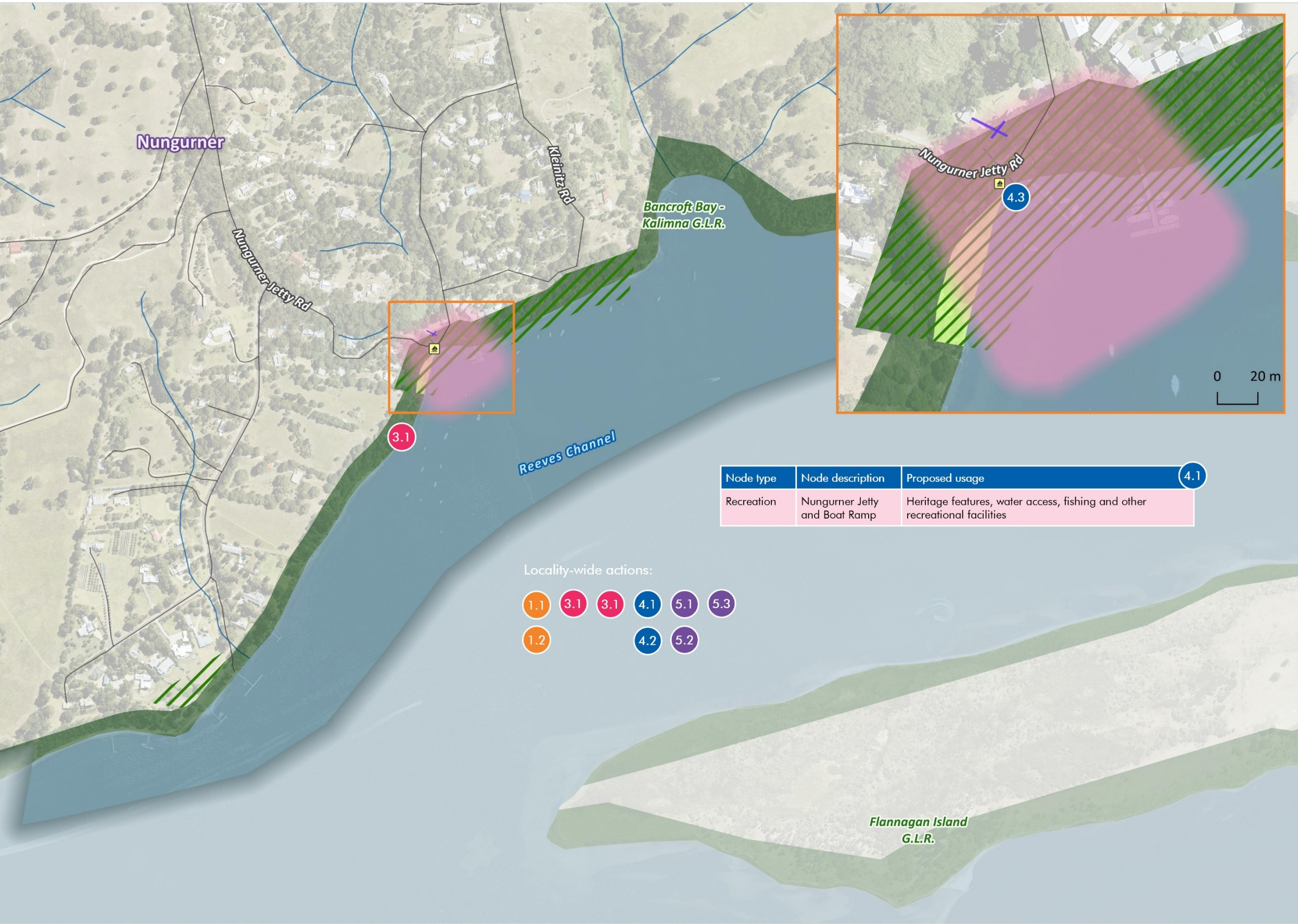
Figure 77 presents site-specific management actions and maps activity and recreation nodes.

Table 17. Nungurner management actions

Long-term objective	No.	Action	Priority	Council role	Partners
Objective 1: Acknowledge Traditional Owners' rights, aspirations and knowledge	NUI1.1	Guided by GLaWAC, support identification, management and protection of cultural heritage values across Nungurner coastal areas. In alignment with Shire Wide actions, this includes: - Supporting GLaWAC to identify unrecorded cultural heritage sites. - Continuing to implement appropriate planning overlays and controls such as Cultural Heritage Management Plans to protect cultural heritage. - Collaborating with GLaWAC to better understand cultural values and inform future protection. - Incorporating culturally-sensitive design into all works across Council-managed coastal reserves.	Ongoing	Participate	GLaWAC
	NU1.2	In collaboration with GLaWAC and where desired by Traditional Owners, strengthen existing relationships between members of GLaWAC and community groups through development of further joint initiatives to share Gunaikurnai stories and knowledge. Initiatives could serve to build awareness and understanding within the Nungurner community of the Aboriginal heritage and ongoing cultural values of Nungurner.	3-5 years	Lead	GLaWAC
Objective 2: Protect and enhance the marine and coastal environment	As per Shire wide actions				
Objective 3: Respect natural processes and strengthen resilience to climate change	NU3.1	Investigate options to manage emerging coastal hazard risks, including erosion, across the Nungurner foreshore, including measures to avoid risk and the use of nature-based solutions, such as revegetation. Monitor condition of seawall west of the Nungurner boat ramp. Consider nature-based coastal protection options for future replacement in the event of reaching end-of-life, where appropriate.	3-5 years	Lead	GLaWAC, Parks Victoria, DEECA, EGCMA, research institutes
Objective 4: Use and develop sustainably	NU4.1	In alignment with Action EG4.1, utilise activity and recreation nodes to clearly delineate distinct purposes and uses within foreshore zones, and ensure efficient development through co-location, partnership use, and consolidation of community assets. Includes delineation of: Nungurner Jetty and Boat Ramp as key recreation node, providing heritage features, water access, fishing and other recreational facilities.	0-3 years	Lead	All other land managers
	NU4.2	In alignment with East Gippsland Housing and Settlement Strategy (2023), continue to foster Rural Town character and prioritisation of natural setting through: - Maintenance of existing foreshore facilities and investment in facilities, based on assessment of need. - Only small-scale housing development within existing residentially zoned areas. - Promoting adherence to township boundaries, planning overlays and land use planning.	Ongoing	Lead	



Long-term objective	No.	Action	Priority	Council role	Partners
Objective 4: Use and develop sustainably (cont.)	NU4.3	Continue to partner with Parks Victoria to promote maintenance and celebration of historic heritage assets, e.g. Nungurner boat shed and old jetty.	5+ years	Participate	Heritage Victoria
Objective 5: Take a stewardship approach, build understanding and knowledge, engage and collaborate	NU5.1	Continue to support and collaborate with local volunteer community environment group e.g. Nungurner Community Landcare Group and Nungurner Community and Coast Action Group. Includes: - Promoting community group activities in the coastal and marine space. - Fostering open communication and engagement channels with community groups. - Continuing to seek opportunities to increase community involvement, including through community grants and Council (or other land manager) partnerships.	Ongoing	Lead	All other management agencies, environmental and community groups and organisations
	NU5.2	In alignment with Shire wide Action EG5.3, review, consolidate and update foreshore signage across Nungurner to: - Ensure consistency. - Promote connectivity and wayfinding. - Celebrate unique environments, history and culture. - Support implementation of activity and recreation nodes (Action NU4.1).	3-5 years	Lead	Other land managers, GLaWAC
	NU5.3	In alignment with Shire wide Action EG5.6, investigate initiatives to encourage engagement of private landowners with environmental management and restoration through education on values of native ecosystems for local resilience and the importance of their protection e.g. against inappropriate recreational use.	Ongoing	Lead	Private landholders



- Boating
- Boat ramp
- Open space
- Recreation node
 - Public land managed by East Gippsland Shire Council
 - Public land managed by other authorities
 - Natural resource management land parcels (high to very high priority)^
- Transport
- Roads
- Other features
- Creeks and waterways

Data sources:
^NRM values on East Gippsland Shire Council managed lands – Prioritisation Plan: Site Identification, Values & Threats Assessment (Ethos NRM, 2022)



Figure 77. Nungurner management actions and nodes