How QCoast2100 informed Victoria's approach to adaptation

QCoast2100 forum June 2025



Victorian context

2600km+ of coast





COASTAL

MAY 2022

STRATEGY







Objectives and guiding principles

Marine and Coastal Policy



Marine and Coastal Act 2018, Policy (2020) and Strategy (2022)



VICTORIA

VICTORIA'S RESILIENT COAST Adapting for 2100+



Victoria's Resilient Coast – Adapting for 2100+ (marineandcoasts.vic.gov.au)

Coastal hazards

- Natural processes that may have a negative impact on coastal uses and values
- Current impacts already occurring, increasing with future climate and sea level rise





Victorian definitions

Category	Process/ coastal hazard
Erosion	Short-term erosion: Event-based erosion of sediment (storm-bite) and recovery Long-term erosion (recession): Progressive retreat of shoreline position over time
Accretion	Short- or long-term build-up of sediment in a localised area
Inundation	Storm tide inundation Temporary event-based inundation
	Permanent inundation Regular or persistent inundation by the regular tidal cycle
Estuary dynamics	Changes in form and processes associated with estuarine and tidal areas
Off-shore sediment dynamics	Changes in form and processes associated with offshore bathymetry and sediment transport
Saline intrusion	Movement of saltwater into freshwater aquifers/groundwater

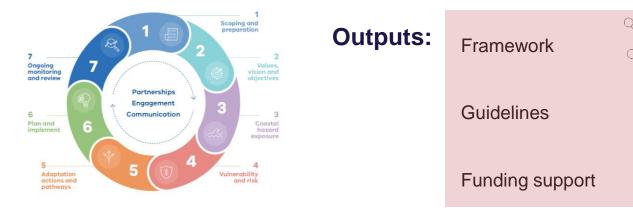
A strategic approach

Victoria's Resilient Coast – Adapting for 2100+

A strategic approach to coastal hazard risk management and adaptation.

Purpose:

- To support Local Government, land managers and communities to adapt to the impacts of climate change on the coast
- To enable place-based, best practice, long-term (2100+) coastal hazard adaptation
- To build on the directions in the Marine and Coastal Policy.





Taking our cues from QCoast2100

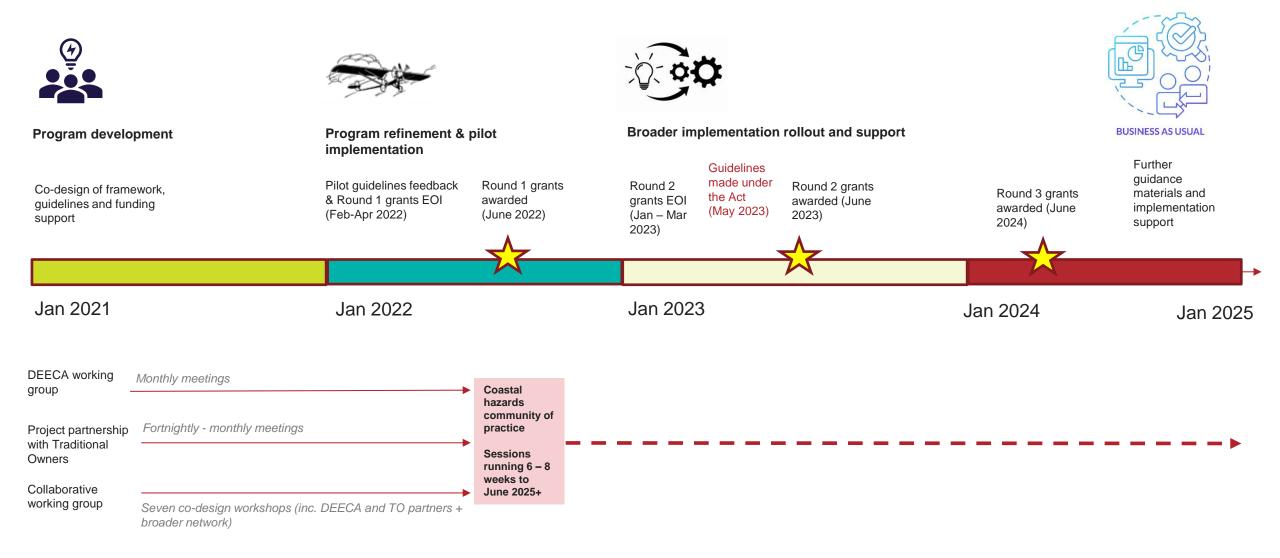


- 1. Shape an approach to meet the needs of Councils/land managers
- 2. Create great guidance material
- 3. Provide grants & program support





1. Shaping our approach



2. Creating guidance material

Framework and guidelines (May 2023)

VICTORIA'S RESILIENT COAST - Adapting for 2100+

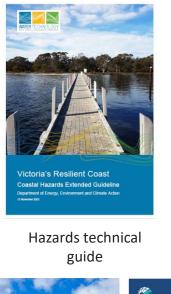
Framework and guidelines A strategic approach to coastal hazard risk management and adaptation



https://www.marineandcoa sts.vic.gov.au/marinecoastalmanagement/victoriasresilient-coast-adaptingfor-2100



Supporting technical materials and resources







Adaptation actions compendium

Economics for adaptation guide



🥵 вмт Victoria's Resilient Coast: Adaptation Pathways Templates



Adaptation pathways templates

+ Coming soon...

Coastal hazard assessment technical guideline (1st, 2nd, 3rd pass)

Coastal hazards advice position paper (inc. erosion advice)

Sea Country adaptation

3. Grants and program support

Planning for climate change Victoria's Resilient Coast Grants





- \$2.8M grants awarded over 2022 2024 ۰
 - >\$5M invested
- 30+ projects to date across the State
- Additional implementation occurring more broadly •
- Land manager & partnerships led adaptation planning ٠
- Statewide community of practice (sessions every 8 weeks) •
- Ongoing DEECA support. •





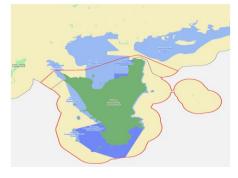










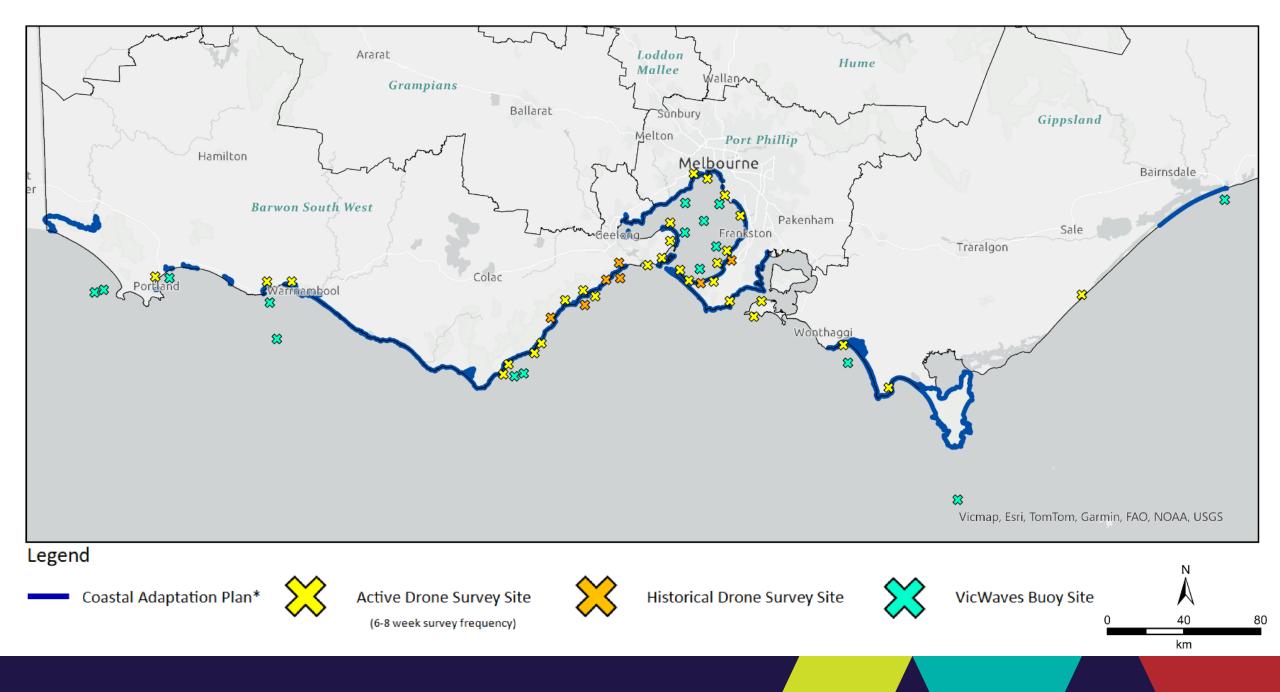


Progress to date

- Regional / LGA wide adaptation planning

 multiple values and framework stages
- Local area adaptation planning
 - focused on specific areas, hazards / issues
- Estuary dynamics and adaptation planning
 - coastal hazard adaptation for estuary systems and floodplains, inc. ICOLL management
- Ecosystem / landscape adaptation planning
 - coastal hazard adaptation planning with a focus on bio-cultural landscapes, marine and terrestrial ecosystems.







Legend

- Climate Resilience & Protection -Warrnambool City Council
- Distribution, health & restoration of estuarine seagrass meadows Glenelg Hopkins CMA
- Aire Valley Estuary Floodplain Project Part 2 -Corangamite CMA

Mounts Bay Adaptation Plan - DEECA (lead agency)

Skenes Creek Site Adaptation Plan -GORCAPA

Wye River Site Adaptation Plan - DEECA (lead agency) Point Grey Coastal Hazard Adaptation Plan -GORCAPA

North Lorne Site Adaptation Plan -GORCAPA

Eastern View Coastal Adaptation Plan - DEECA (lead agency) Fairhaven SLSC Site
 Adaptation Plan &
 Response to Erosion GORCAPA

Painkalac Estuary Flood Risk Project - Surf Coast Shire Council

- Cosy Corner Site Adaptation Plan -
 - GORCAPA

- Jan Juc Site Adaptation Plan - GORCAPA
- Point Impossible Cultural Heritage Protection -GORCAPA
- Bancoora Coastal Adaptation Plan - Barwon

20

km

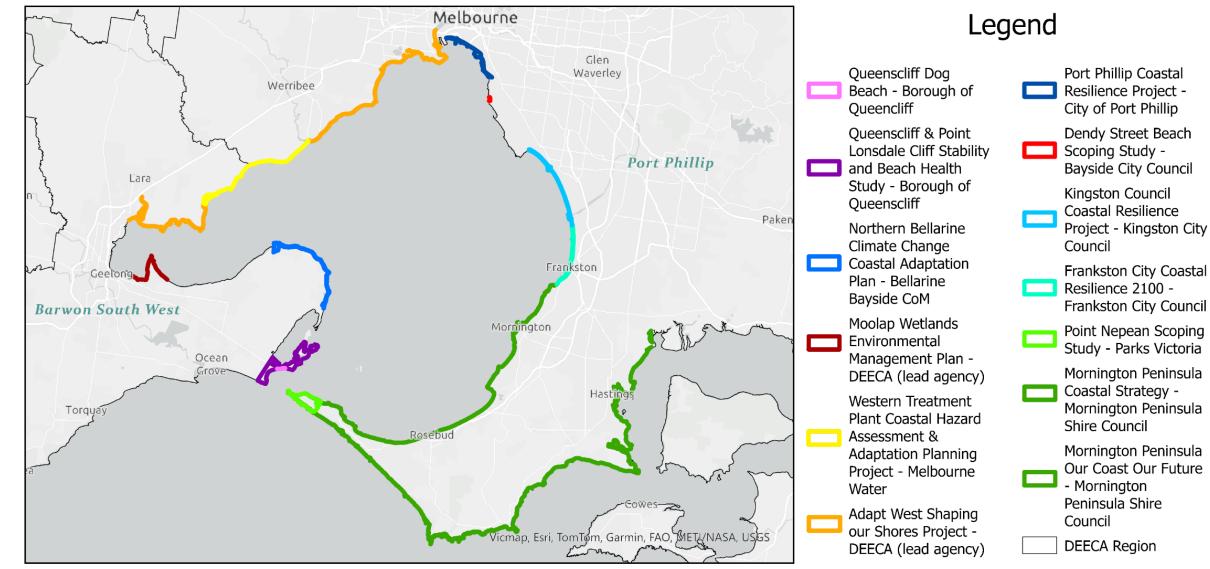
Adaptation Plan - Barwor Coast CoM

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Regional Coastal Adaptation Plan -GORCAPA

DEECA Region

Additional site-based adaptation planning projects may be underway in Victoria

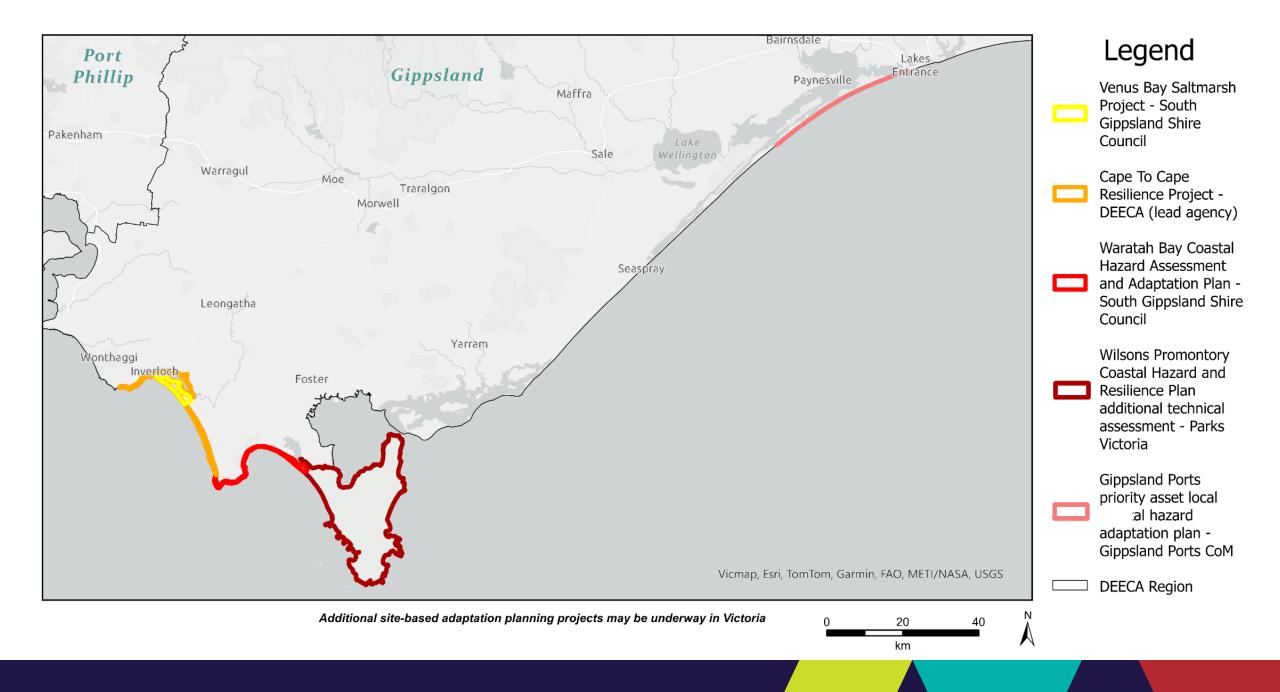


10

km

20

Additional site-based adaptation planning projects may be underway in Victoria



Reflections from the frontline





Victoria loves wave tanks

how





Synopsis

- Coastal hazard adaptation progressing
- Vic program well established, embedding into BaU
- Challenges remain
- Building on current base into the future.

Relevant Coast to Coast talks:

- Three barriers to long-term strategic adaptation (Elisa Zavadil) 9am Friday 6 June
- **Cape to Cape Resilience Project:** Implementing Victoria's first regional coastal adaptation plan (Cass Philippou) 11am Friday 6 June
- Science Communication in the Victorian Coastal Monitoring Program (Blake Allan) 11:35am Friday 6 June

Regional Coastal Adaptation and Planning DEECA

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Thank you QCoast2100



