

# **TOWN OF COTTESLOE**



## **COASTAL HAZARD RISK MANAGEMENT AND ADAPTATION PLAN (CHRMAP) STEERING COMMITTEE**

# **AGENDA**

**COASTAL HAZARD RISK MANAGEMENT AND ADAPTATION PLAN (CHRMAP) STEERING  
COMMITTEE**

**TO BE HELD IN THE**

**Mayor's Parlour, Cottesloe Civic Centre**

**109 Broome Street, Cottesloe**

**3:00 PM Wednesday, 27 November 2024**

# Town of Cottesloe

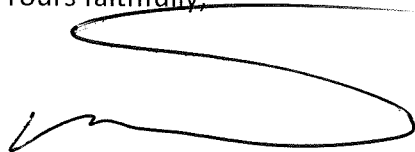
## COASTAL HAZARD RISK MANAGEMENT AND ADAPTATION PLAN (CHRMAP) STEERING COMMITTEE

Notice is hereby given that the next Coastal Hazard Risk Management and Adaptation Plan (CHRMAP) Steering Committee will be held in the Mayor's Parlour, Cottesloe Civic Centre

109 Broome Street, Cottesloe on **27 November 2024** commencing at **3:00 PM**.

The business to be transacted is shown on the Agenda hereunder.

Yours faithfully,



William Matthew Scott  
**Chief Executive Officer**

21 November 2024

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## **PURPOSE**

The role of the Steering Committee is to provide technical coastal and planning to the Town of Cottesloe and ensure the project progresses in line with milestone reports and progress reports. The purpose of the CHRMAP is to provide strategic guidance on coordinated, integrated and sustainable management of coastal hazard through erosion and storm surge inundation.

## **TERMS OF REFERENCE**

The Steering Committee is to provide guidance, oversight and make recommendations to Council where required including but not limited to:

- a. Scope of works and its timely progress for the duration of the CHRMAP development;
- b. Provide advice relating to the engagement of consultants required to complete the CHRMAP development;
- c. Contributing towards the methodology development to achieve each milestone;
- d. Peer review CHRMAP development deliverables including the Community and Stakeholder Engagement Plan, progressive CHRMAP chapter reports together with the draft and final CHRMAP;
- e. Community Consultation initiatives to seek community feedback on the draft CHRMAP before the strategy is adopted by Council.

To achieve the above the Committee will have due regards to:

- a. Current Town of Cottesloe Local Laws and policies including State Government Guidelines in relation to the development of a CHRMAP;
- b. Understanding of coastal features, processes and hazards within the study area;
- c. Identify significant vulnerability trigger points and respective timeframes for the relevant sediment cells to mark the need for immediate or medium-term risk management measures;
- d. Identify assets (natural and man-made) and the services and functions they provide situated in the coastal zone;
- e. Understanding of assets vulnerability;
- f. Identify the value of the assets that are vulnerable to adverse impacts from coastal hazards;
- g. Determine the consequence and likelihood of coastal hazards on the assets, and assign a level of risk;
- h. Identify possible (effective) risk management measures (or 'actions') and how these can be incorporated into short and longer-term decision-making;
- i. Provide the statutory framework through which risk management actions are to be implemented;

- j. Engagement with stakeholders and the community in the planning and decision-making process.

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**1 DECLARATION OF MEETING OPENING/ANNOUNCEMENT OF VISITORS**

**1.1 ACKNOWLEDGEMENT OF COUNTRY**

I would like to begin by acknowledging the Whadjuk Nyoongar people, Traditional Custodians of the land on which we meet today, and pay my respects to their Elders past and present. I extend that respect to Aboriginal and Torres Strait Islander peoples here today.

**2 DISCLAIMER**

Refer to the Disclaimer on the inside of the cover page

**3 ANNOUNCEMENTS BY PRESIDING MEMBER WITHOUT DISCUSSION**

The meeting will be recorded, solely for the purpose of confirming the correctness of the Minutes.

**4 ATTENDANCE**

**Members**

Mr Ben Bassett	Department of Planning, Lands and Heritage Representative
Ms Neesha Gomes	Department of Planning, Lands and Heritage Representative
Mr Tim Stead	Department of Transport Representative
Mr Kris Taylor	Community Representative
Mr Lyle Banks	Community Representative
Ms Kerry Briody	Community Representative

**Officers**

Mr Matthew Scott	Chief Executive Officer
Mr Shaun Kan	Director Engineering Services
Mr Steve Cleaver	Director Development and Regulatory Services
Ms Rachel Cranny	Executive Services Officer

**Visitors**

**Apologies**

At the close of the agenda no apologies had been received.

**5 DECLARATION OF INTERESTS**

**6 CONFIRMATION OF MINUTES**

That the Minutes of the Coastal Hazard Risk Management and Adaptation Plan (CHRMAP) Steering Committee held on Thursday 12 September 2024 be confirmed as a true and accurate record.

**7 PRESENTATIONS**



**8 REPORTS**

**8.1 REPORTS OF OFFICERS**

**8.1.1 COASTAL HAZARD RISK MANAGEMENT AND ADAPTATION PLAN - PUBLIC CONSULTATION**

**Directorate:** Engineering Services  
**Author(s):** Shaun Kan, Director Engineering Services  
**Authoriser(s):** William Matthew Scott, Chief Executive Officer  
**File Reference:** D24/47514  
**Applicant(s):**  
**Author Disclosure of Interest:** Nil

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**SUMMARY**

For the CHRMAP Steering Committee (Committee) to recommend that Council NOTES the attached CHRMAP Report for the purpose of public consultation.

A Community and Stakeholder Engagement Plan will be circulated out of session prior to the public consultation.

**OFFICER RECOMMENDATION IN BRIEF**

That the Committee recommends Council NOTES the attached CHRMAP Report for public consultation.

**BACKGROUND**

Consistent with the State Planning Policy 2.6, the strategic purpose of the CHRMAP Project is to determine the risk and required mitigation against inundation and erosion of the Cottesloe coastline from climate change. The findings will inform the Town's various planning and asset strategies.

The following provides a summary of events and works completed to date:

- June 2021 – The CHRMAP Grant was awarded;
- August 2021 – The Committee was formed;
- December 2021 – The Request for Quotation to commission a consultant for the works was approved by Council (OCM250/2021) and the Department of Planning, Lands and Heritage (Grant Requirement);
- March 2022 – Water Technology was appointed;
- August 2022 – Council noted the community engagement plan (OCM120/2022);
- September to October 2022 – The community consultation occurred;

- November 2022 to August 2024 – The attached CHRMAP Report was compiled where the Committee’s feedback was obtained upon the completion of each chapter. The enclosed document was updated accordingly with the comments received; and
- Elected members were briefed in August 2024.

**OFFICER COMMENT**

The various chapters of the CHRMAP Report are summarised as follows. The Committee is asked to peruse the attached report for further information.

- **Chapter 1 – Establishing the Context**

This chapter was developed after a rigorous community and stakeholder engagement process to under aspirations. In addition to the feedback the chapter also provides an overview of the:

- (a) geotechnical properties of the entire Cottesloe coastline
- (b) criteria that determine when the study objectives are achieved
- (c) the gaps in current planning controls in relation to coastal hazards

- **Chapter 2 - Risk Identification**

This involves identifying the remaining life of existing key interventions (groynes and seawalls) and current dune erosion preventive measures. The coastal modelling over the next 100 years show that inundation past the dunes is unlikely and it appears erosion is the primary hazard for the coastline.

A series of community workshops occurred as part of the risk identification works.

- **Chapter 3 - Vulnerability Analysis**

Given the findings in chapter 2, the vulnerability analysis associated with the effects of erosion was carried out for a number of asset classes such as community and public infrastructure including all properties, roads and heritage features.

The conclusion was that the main groyne, roads and Indiana Teahouse are vulnerable in the immediate term and both Surf Clubs are at risk in the medium term (by 2033). The Seaview Golf Club Building is likely to be inundated by 2123.

- **Chapter 4 - Risk Evaluation and Risk Treatment Options**

This covers planning and physical solutions against vulnerabilities where treatments have been broadly classified as avoid, retreat, accommodate and protect. Other approaches include coastal monitoring and the status quo (do nothing). A multi-criteria analysis covering factors such as effectiveness, environmental, social, aesthetics, cost and future adaptability were considered when recommending potential solutions.

- **Chapter 5 - Risk Treatment Options and their Cost to Benefit Analysis**

This has recommended beach nourishment as the preferred approach.

- **Chapter 6 – Implementation**

This recommends a number of short (25 years), medium (25 to 50 years) and long (50 to 100 years) term actions.

- **Chapter 7 - Summary Report**

This provides an overview of all 6 chapters.

The pathway moving forward is:

1. Committee recommends that Council notes the attached report for the purpose of public consultation;
2. Council adopts the committee's recommendation;
3. A Community and Stakeholder Engagement Plan is circulated out of session amongst Council and the Committee prior to the public consultation. This distribution is expected to occur the week of 13 January 2025;
4. The consultation occurs over February 2025;
5. The Committee considers and recommends to Council a final version of the CHRMAP in March 2025;
6. Council adopts this either in March or April 2025; and
7. CHRMAP is published on the Town's website and is used to inform the asset management and long term financial plan.

### **ATTACHMENTS**

- 8.1.1(a) R01 Establish the Content [under separate cover]**
- 8.1.1(b) R02 Risk ID [under separate cover]**
- 8.1.1(c) R03 Vulnerability Analysis [under separate cover]**
- 8.1.1(d) R04 Risk Evaluation and Risk Treatment Options [under separate cover]**
- 8.1.1(e) R05 Cost Benefit Analysis [under separate cover]**
- 8.1.1(f) R06 Stage 7 - Implementation [under separate cover]**
- 8.1.1(g) R07 Summary [under separate cover]**

### **CONSULTATION**

Elected Members;

Coastal Hazard Risk Management and Adaptation Plan (CHRMAP) Steering Committee;

Town of Cottesloe Residents;

Stakeholders identified within the previous Community and Stakeholder Engagement Plan (Refer to August 2022 Committee Minutes Attachment); and

A new Community and Stakeholder Engagement Plan will be circulated before the next round of public consultation in February 2025.

**STATUTORY IMPLICATIONS**

*Local Government Act 1995*

Section 2.7 – Role of Council

*State Planning Policy 2.6*

**POLICY IMPLICATIONS**

There are no perceived policy implications arising from the officer’s recommendation.

**STRATEGIC IMPLICATIONS**

This report is consistent with the Town’s *Council Plan 2023 – 2033*.

Priority Area 2: Our Town - Healthy natural environs and infrastructure meeting the needs of our community.

Major Strategy 2.4: Work collaboratively to protect, enhance and increase our natural assets and green canopy.

**RESOURCE IMPLICATIONS**

Resource requirements are in accordance with the existing budgetary allocation.

**ENVIRONMENTAL SUSTAINABILITY IMPLICATIONS**

The CHRMAP provides solutions that protect the coastline from the erosional effects of climate change.

**VOTING REQUIREMENT**

Simple Majority

**OFFICER RECOMMENDATION**

**THAT the Coastal Hazard Risk Management and Adaptation Plan (CHRMAP) Steering Committee recommends;**

**THAT Council NOTES:**

- 1. The attached Coastal Hazard Risk Management and Adaptation Plan for the purpose of public consultation;**
- 2. The out of session circulation of a Community and Stakeholder Engagement Plan to the CHRMAP Steering Committee and Elected members in January 2025 before the public consultation over February 2025; and**
- 3. The final CHRMAP will return to Council for adoption no later than April 2025.**

**8.2 ITEMS FOR DISCUSSION**

Nil

**9 GENERAL BUSINESS**

**9.1 COMMITTEE MEMBERS**

**9.2 OFFICERS**

**10 MEETING CLOSED TO PUBLIC**

**10.1 MATTERS FOR WHICH THE MEETING MAY BE CLOSED**

**11 NEXT MEETING**

**12 MEETING CLOSURE**