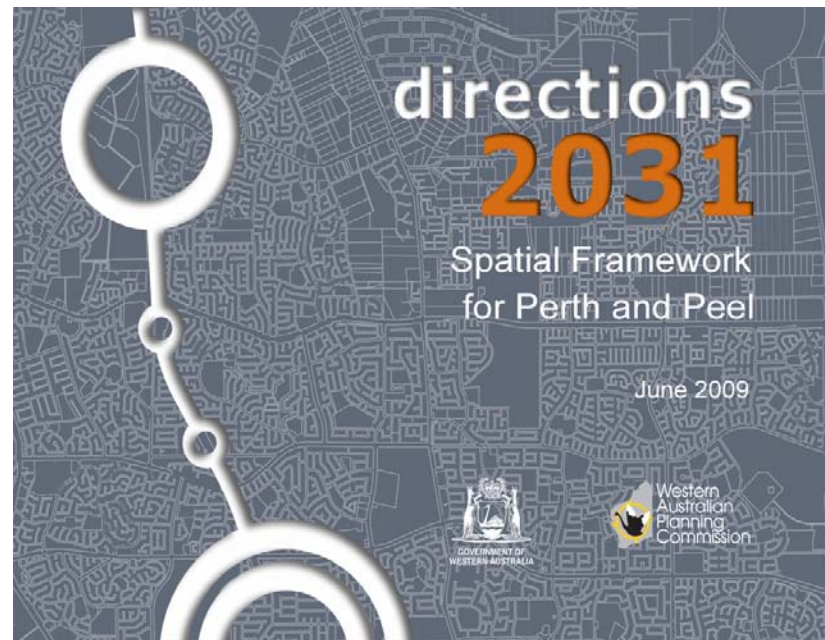


# Fremantle Climate Change Adaptation Workshop

## Regional and local perspectives

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# Drivers of Change



- **Climate Change Impacts**  
Sea level rises, storm events, drying climate, temperature rises, fire and eco-system impacts.
- **Recognition that we live in one of the world's bio-diversity hotspots.**
- **Recognition that Cities are responsible for 75% of worlds greenhouse gasses.**
- **Perth's Spatial form means that we are making a significant adverse contribution to Climate Change.**

# Managing Climate Change Impact on the Coast

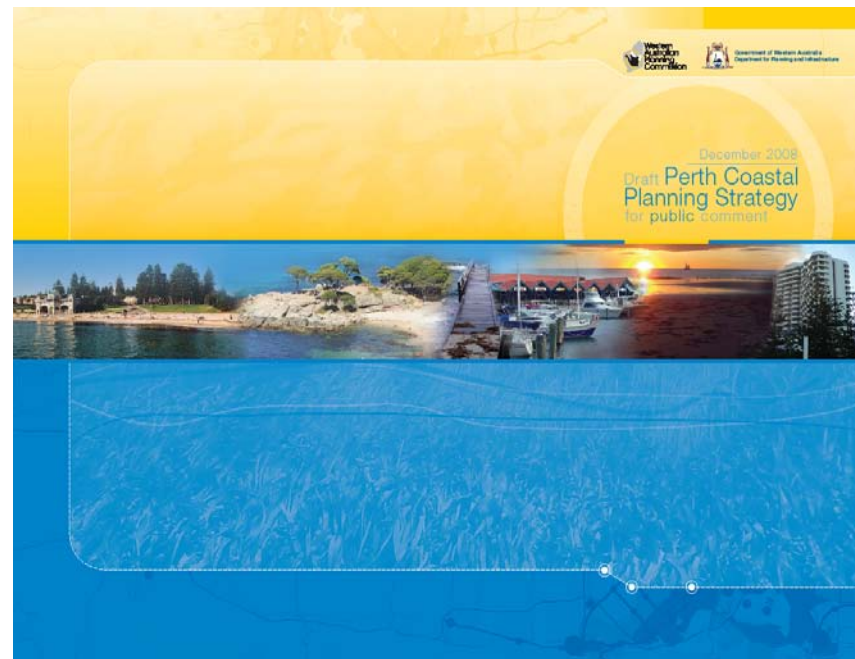
**Importance of developing a Federal approach to climate change**

**State Government is developing a Climate Change Adaptation and Mitigation Strategy (Office of Climate Change in DEC ). To be completed by end of 2010 involving an extensive consultation process**

**State Coastal Planning Policy 2.6 (WAPC 2003)**

- General guide of 100 metres setback for development
  - Trend of erosion 40 metres
  - Extreme strong events 20 metres
  - Sea level rise 38 metres
- Relates to sandy coasts 100 year time frame
- Components are delivered differently depending on coastal type
- Review of SPP 2.6 underway
- Will not replace need for detailed coastal vulnerability assessments

# Draft Perth Coastal Planning Strategy December 2008



- **Relates the community views about the coast**
- **Recommendations on 56 precincts including Fremantle, Port Beach and South Beach**
- **Recognition of Fremantle as a major activity centre**
- **Much of Fremantle coast is modified with shore protection**
- **Submissions under review and proposed release of final strategy by Dec 2010**

# 34 Precincts

## Fremantle

### Precinct description:

Fremantle Boat Harbour is a highly modified mixed use precinct with a high level of access. It consists of residential, commercial and retail activity and some light industry uses, offices, entertainment, a variety of tourist accommodation and boat launching facilities. A number of registered European and Aboriginal heritage sites need to be carefully managed. Further investigation is required to determine the appropriate management measures to minimise potential for damage to existing infrastructure due to coastal processes. Development in this precinct must occur in accordance with City of Fremantle approved plans.



### Major issues and planning considerations:

- activity of the Fremantle town centre extends into the harbour area
- identified as an extension of the major tourism and activity centre identified by Network City
- Bathers Beach is part of a state heritage register, Arthur's Head Reserve, dating back to early European settlement of Western Australia
- restoration works being considered for long jetty
- Bathers Beach has been identified as a district beach
- this precinct is in the study area for a new boat launching facility in the Fremantle area (2000 Labor Government commitment)
- the identified physical coastal processes setback applies to Bathers Beach, land reserved railways, special use - public purpose and central city area the harbour is exempt from physical coastal processes setbacks as per SPP2.6
- Fremantle Harbour Structure Plan is in progress with potential to incorporate tourism opportunities
- potential water pollution issues
- presence of numerous European and Aboriginal heritage sites.

### Land uses and features to be promoted:

- boating related and boat launching facilities
- high level of public access
- a variety of tourist and residential accommodation
- commercial and retail
- coastal-dependent light industry
- entertainment and tourism facilities.

### Recommendations:

Precinct type: built-up

Precinct character: mixed use

Precinct intensity: high

- Continue to encourage development of precinct as a major tourism and recreation node (and subsequently consider the implications for building height as outlined in SPP2.6).
- Fremantle Boat Harbour is recognised as an extension of the Fremantle town centre.
- The recommended physical coastal processes setback category at Bathers Beach is medium (between 65 and 120 metres).
- The registered Aboriginal heritage sites should be protected and/or recognised through the use of interpretive signage where appropriate.
- Develop and implement a coastal management plan.
- Complete the draft Fremantle boat launching facility study and determine whether there is a suitable location for a new boating facility in the precinct, if at all.
- Investigate options for additional tourism uses of the Fremantle harbour area.
- Further investigation into appropriate management measures required to protect/maintain existing harbour related infrastructure from coastal processes.
- Where applicable, further or new development should not occur in the physical coastal processes setback.

### Existing environment

Land use	The harbour is reserved public purposes - special use, while the Fremantle town centre is zoned central city area. Small pockets of parks and recreation occurs around the harbour and a consolidated well-established urban zone is in the south of the precinct (MRS January 2006).
Network City comments	Network City identifies a major activity centre adjacent to the precinct, at the junction of several major activity and transport corridors.
Bush Forever site	No
Coastline/ marine habitat	The shoreline consists of sandstone block seawall with sandy beaches and a series of rubble mound limestone breakwaters. The area behind Bathers Beach is largely rock. The mapped marine habitat consists of sandy bottom and macro algae dominated reefs.
Cultural/ heritage sites registered or unknown	A number of registered European heritage sites occur in this precinct. Five Aboriginal heritage sites (mythological, named place, meeting place and camp sites) occur in this precinct.

### Community identified opportunities, challenges, wishes or fears

**Opportunity** – Fremantle outer harbour project is overflow facility for Fremantle Port.

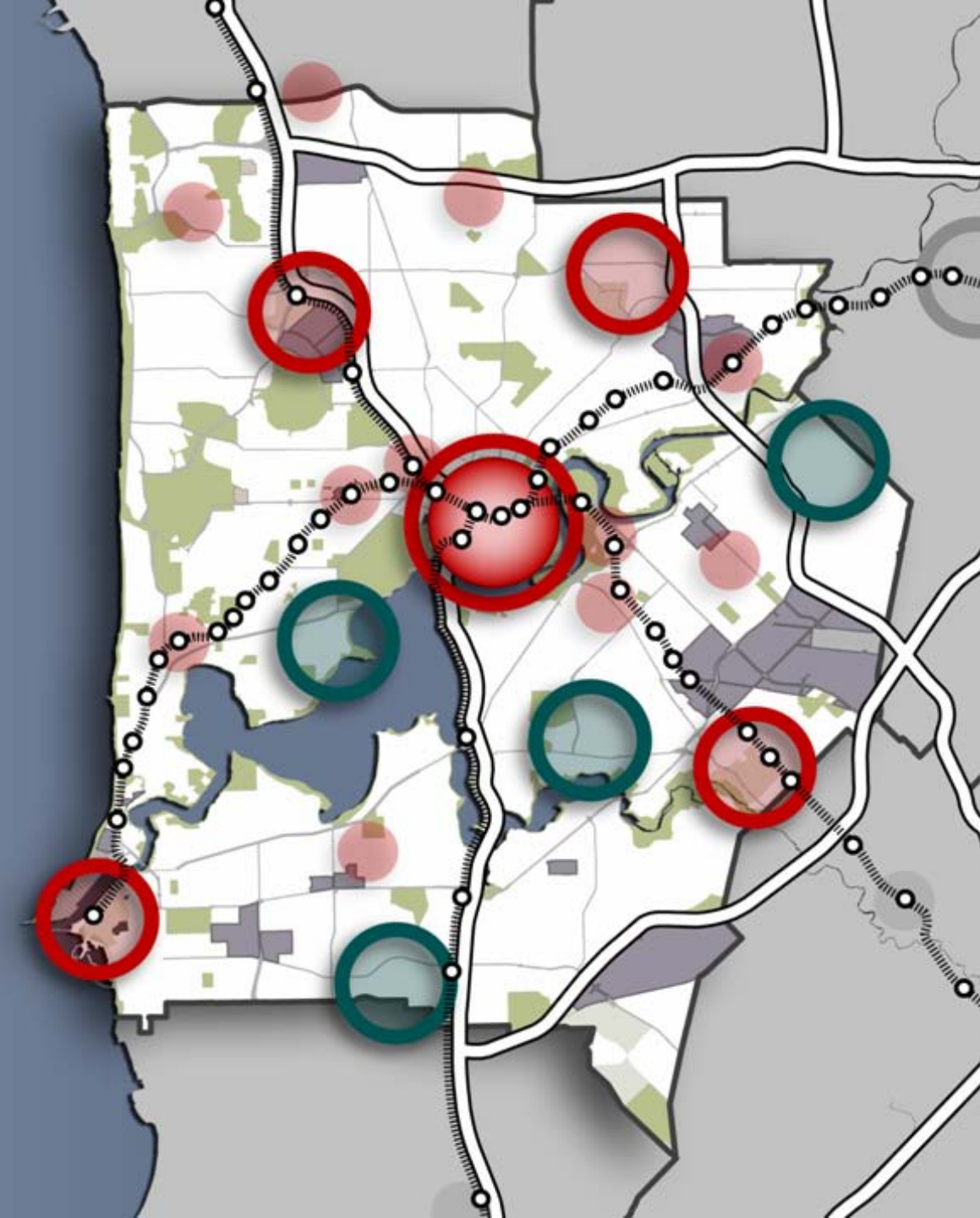
**Challenge** - to retain the working boat harbour feel of Fremantle and ensure this is not lost by over-development of competing uses.

**Challenge**- conservation values and maintaining an appropriate mix of land uses.



## Central Sub-Region

- Covers 17 inner and middle local governments.
- Population to grow by 205,000
- Target of 121,000 additional dwellings
- Targeted infill development
- Focus on the development of Strategic Centres including Fremantle.
- Importance of transit orientated development opportunities.



# Conclusion

- Fremantle could be a leading Council in the development of a local strategy for climate change adaptation and mitigation in the context of national and state strategies.
- Fremantle can help at regional level to reduce the rate of metropolitan green house gas production by fulfilling its potential a strategic activity centre including a significant increase in housing levels.