

A nighttime photograph of the Melbourne skyline. The Yarra River flows in the foreground, reflecting the city lights. In the background, several skyscrapers are illuminated, including the Eureka Tower. A large, leafless tree is visible on the right side of the frame. A semi-transparent dark grey banner is overlaid across the middle of the image, containing the title and authors.

PLANNING SCHEME AMENDMENT C384 INUNDATION OVERLAYS AND THE GOOD DESIGN GUIDE

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Acknowledgment of Country



Introduction



This session's format:

- Presentation + discussion

And purpose:

- Learn more about the amendment and impact
- Availability to answer questions
- Decision-making pathway
- How to make a submission



CITY OF MELBOURNE



**Melbourne
Water**

Enhancing Life and Liveability

The changing story of water in our landscape



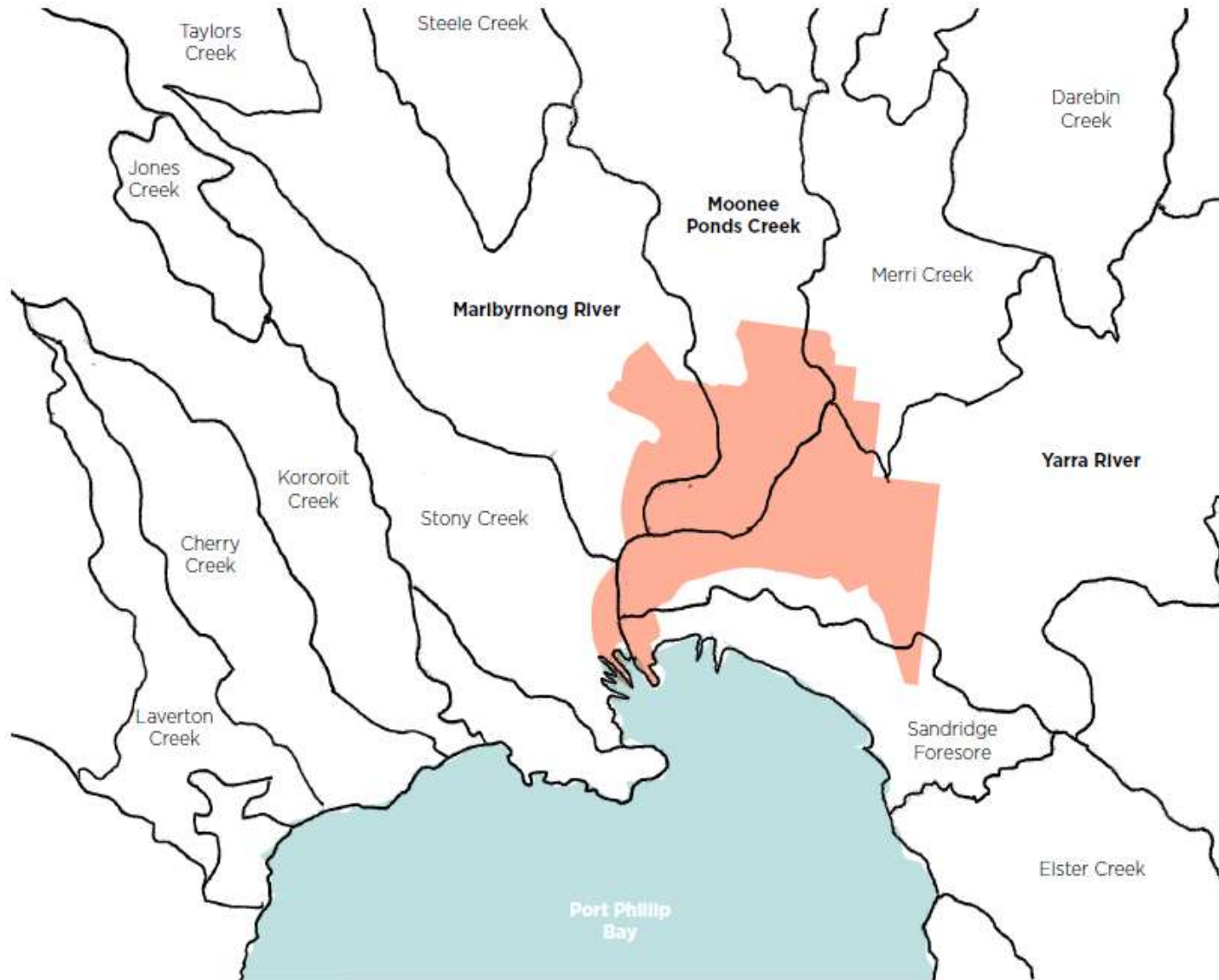
Aboriginal Inhabitants of our region harvested food and other resources from waterways and floodplains. Floodplains retain important cultural significance.

Melbourne was described as a 'temperate Kakadu' abundant with birds, fish and wildlife (Flannery, 2004).

- a water-rich landscape
- natural cycles of inundation
- amplifying effect of Colonisation + urbanisation + climate change

Melbourne in 1837. Aboriginal people crossing Birrarung (Yarra River) at the falls at present day Queens Bridge, facing north to where the Hoddle Grid is today (Roberts, 1837).

Location within the catchments



Our Objectives and Role

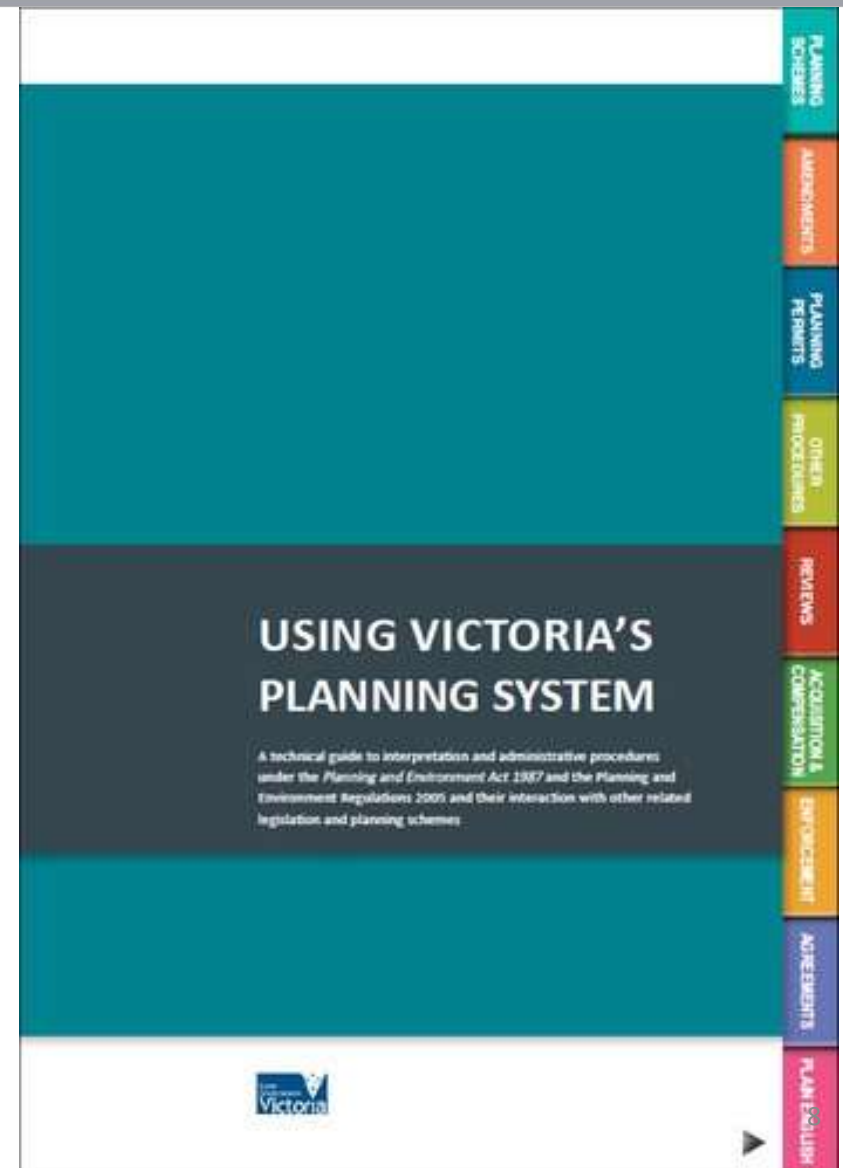


Why are we doing this?

- more intense development
 - more intense rainfall
 - changing flood risk
-
- responsibility to share up-to-date information
 - minimising possible flood harm
 - resilience today and for tomorrow

About the Planning Scheme

- An important regulatory tool to shape our built-environment
- Zones, overlays and other provisions
- Planning applications and building permits
- Minister for Planning authorises and ultimately approves amendments (changes/updates)
- Council / land and waterway authorities assess applications



Key features of the Amendment

What does Amendment C384 propose?

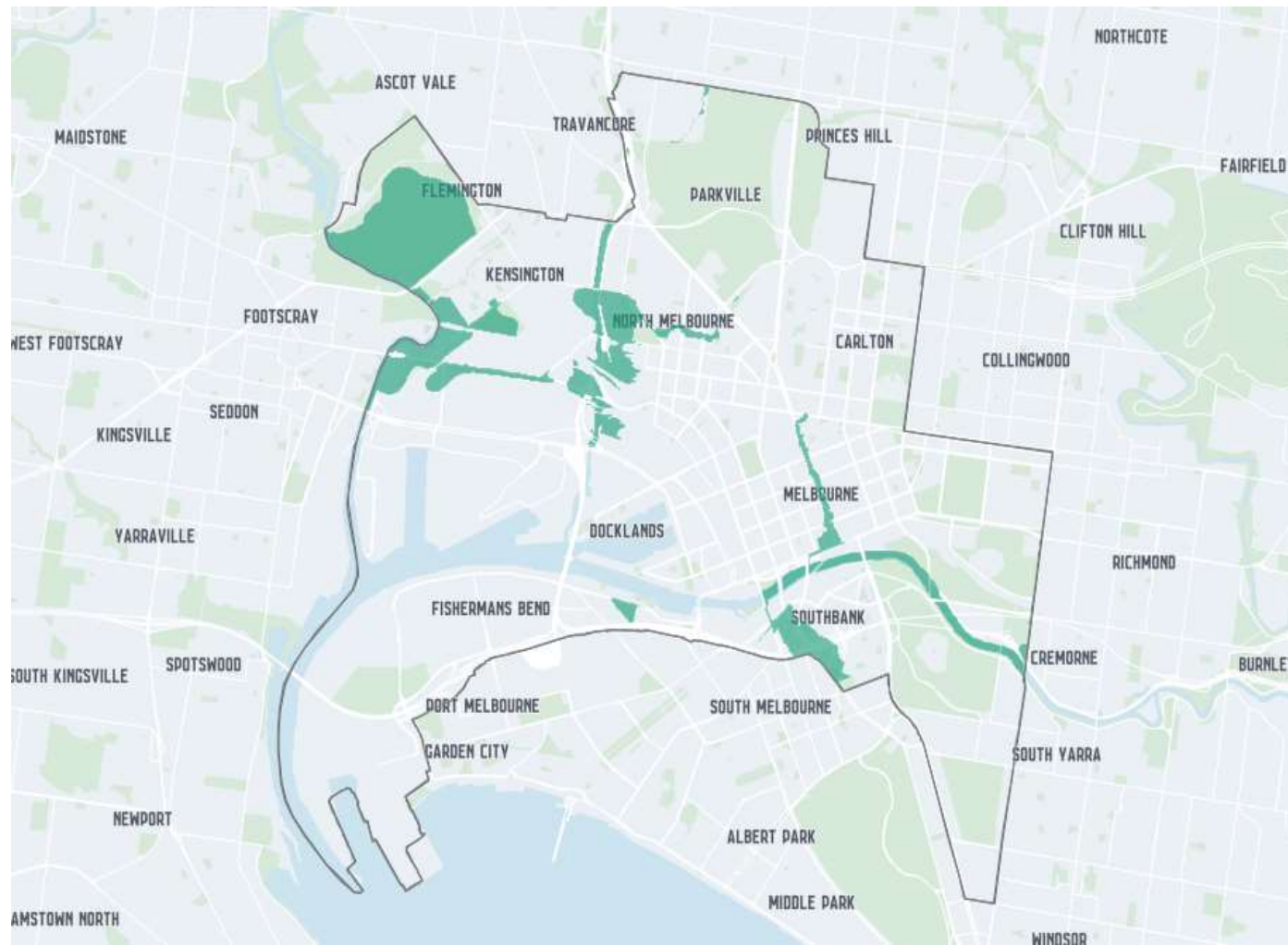
- Land Subject to Inundation Overlay (LSIO) – Flooding from waterways
 - Moonee Ponds Creek & Yarra River
- Special Building Overlay (SBO) – Flooding from drains
 - Main Drains in Arden, Macaulay, Moonee Ponds Creek, Elizabeth Street, Fishermans Bend, Hobsons Road & Southbank
 - council owned underground drains
- *Good Design Guide for Flood Affected Areas in Fishermans Bend, Arden and Macaulay*
- Guidelines for Development in Flood Prone Areas



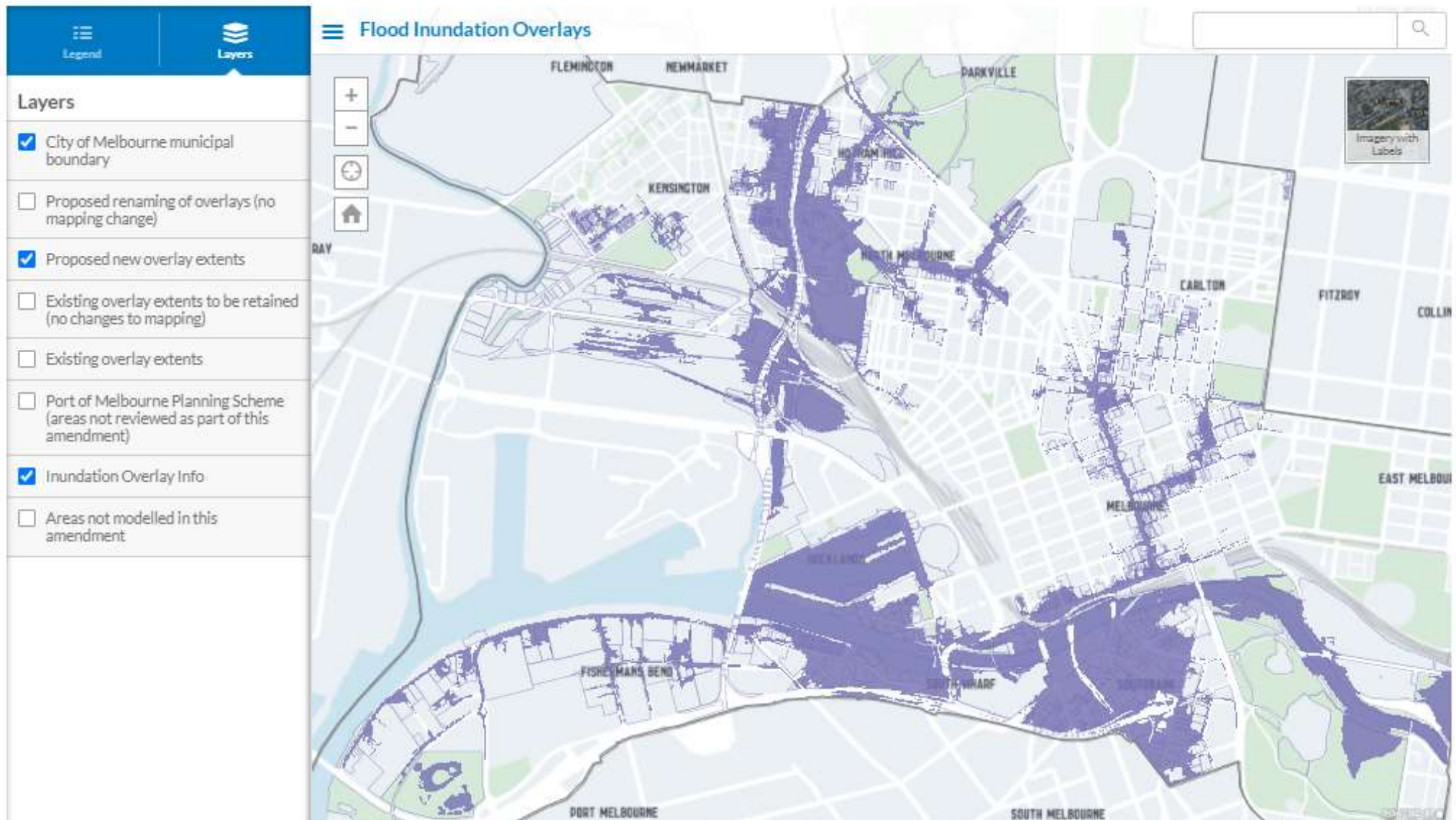
What is changing as a result of Amendment C384?

	New mapping extent	New ordinance	Formatting updates to the existing schedule
LSIO1 (Maribyrnong River Environs)	No	No	Yes
LSIO2 (Flemington Racecourse)	No	No	Yes
LSIO3 (Moonee Ponds Creek and Lower Yarra River Waterways)	Yes	Yes	No
SBO1 (Melbourne Water Main Drains)	No (previously SBO)	Yes	Yes
SBO2 (Melbourne Water Main Drains - Elizabeth Street, Arden, Macaulay and Moonee Ponds Creek, Fishermans Bend and Southbank catchments)	Yes	Yes	No
SBO3 (Council Drains - Elizabeth Street, Arden, Macaulay and Moonee Ponds Creek, Hobsons Road, Fishermans Bend and Southbank catchments)	Yes	Yes	No

Existing flood overlays



Proposed overlays map

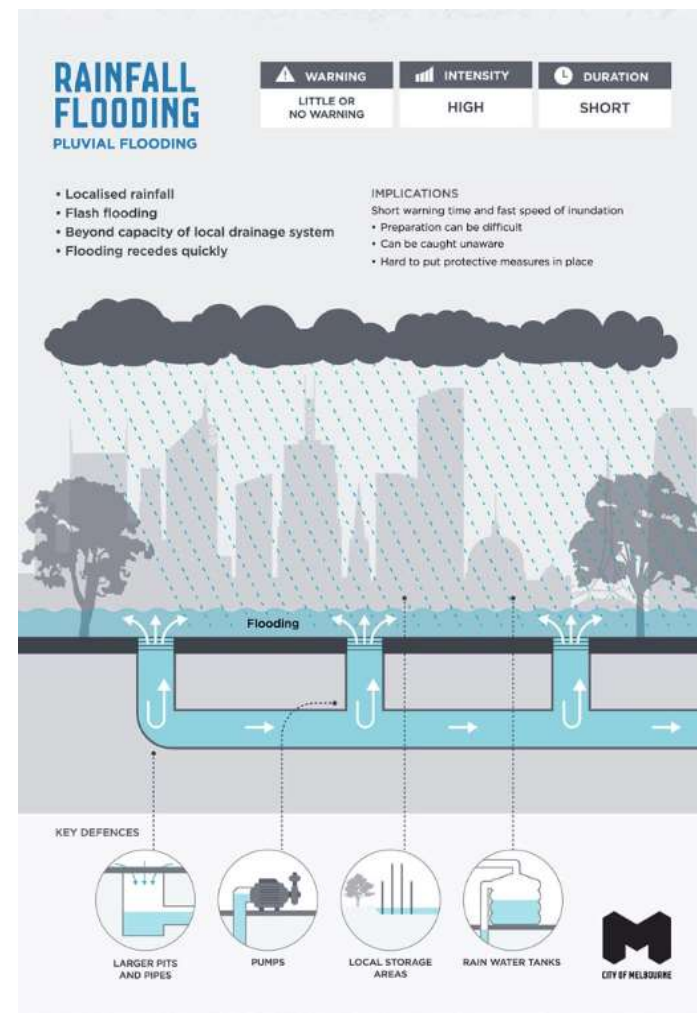
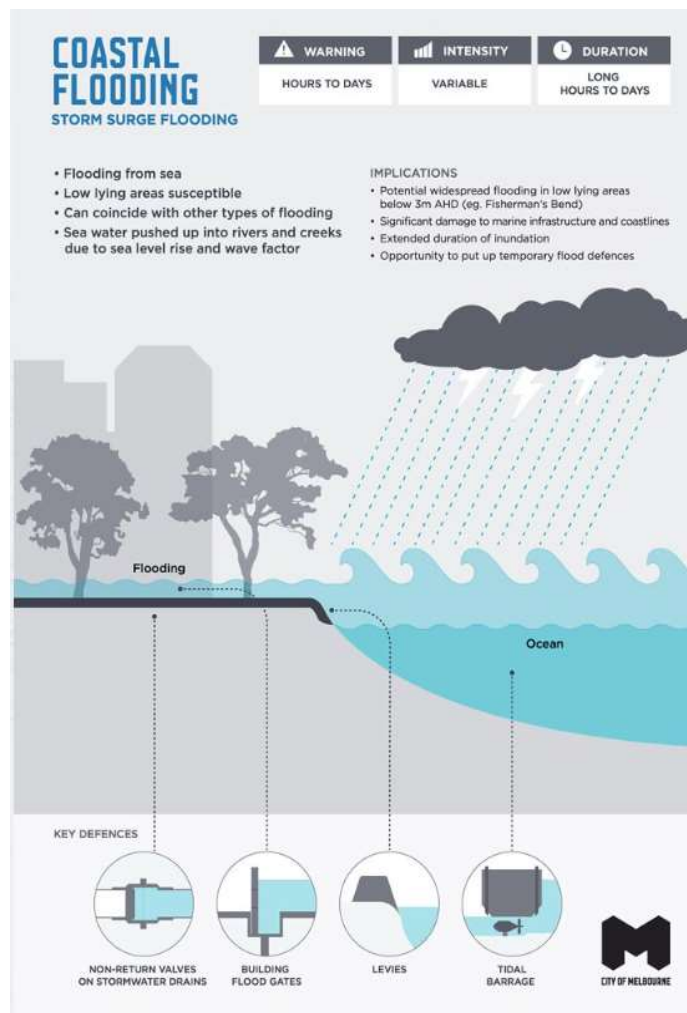
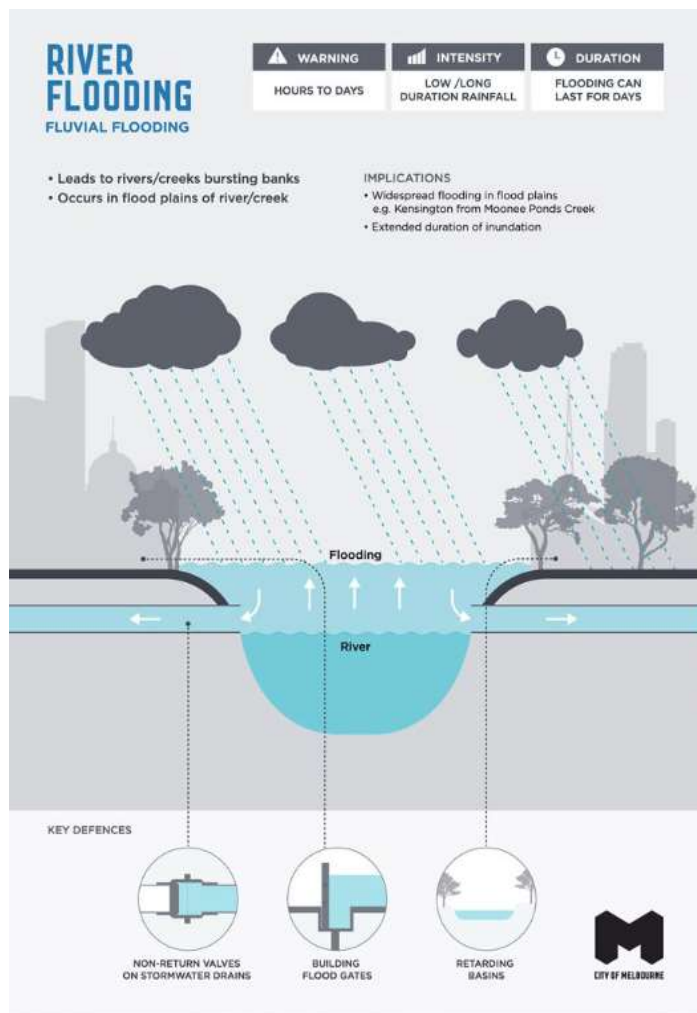


What will the Planning Scheme controls do?



- Prompt early thinking in development & major renovation planning process
- Knowledge of how to mitigate
- Clarity & certainty to permit applicants
- Streamline approval of development

Types of flooding in the City of Melbourne



About the flood modelling

- *Australian Rainfall and Runoff*
(national guideline set by Engineers Australia)
- Robust and complete
(peer review and separate verification process)
- Agreed methodology including climate change factors
(Engineers Australia, Melbourne Water, Department of Environment, Land, Water and Planning)
- Realistic impacts of climate change:

1% Annual Exceedance Probability (AEP) flood event
(a large flood event having a 1% chance of occurring in any given year)

18.5% increase in rainfall intensity by the year 2100



Artists rendering from *Moonee Ponds Creek Opportunities Plan 2019*

Urban renewal precincts and flooding

The urban renewal areas of Arden, Macaulay and Fishermans Bend are low-lying precincts which particularly prone to flooding.

The current drainage system was built over 100 years ago when first developed as industrial areas.

Climate change will increase flood risk

- Melbourne Water has assessed the 1% AEP flood risk
- Rainfall intensity and sea level rise taken in to account



Flooding around Langford Street North Melbourne
(source of photo: heraldson.com.au)

Managing flood risk in urban renewal precincts

So what can be done to better manage flood risk in these urban renewal areas?

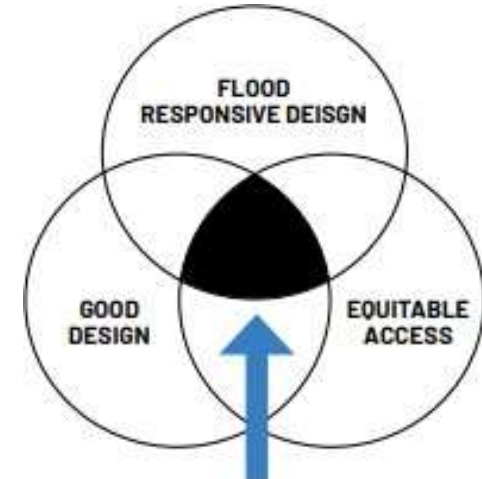
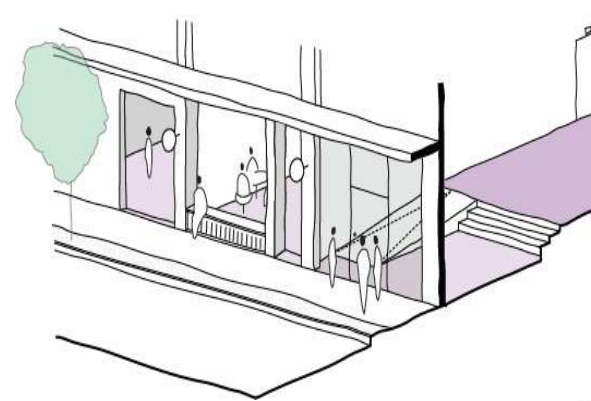
Significant infrastructure is needed to meet this flood and drainage challenge and service Arden's future population including:

- large flood storages
- levee banks
- pipes and pumps

Even with flood mitigation there will be residual flooding, and the requirement for permit conditions for flood protection and safe access / egress.



Good Design Guide



Poor urban design outcomes in flood affected areas

Main building entry recessed from street and concealed by external platform lift and services enclosure



Services located below flood level and poorly designed interface to the public realm results in a blank wall



Good urban design outcomes in flood affected areas



What City of Melbourne and Melbourne Water can do and are doing to mitigate the possible harm to property and people:

- We can maintain underground drains, water basins and pipes and construct levies. Plus we can protect our permeable green spaces.
- We can invest in building up the most up-to-date scientific data, and share it with our citizens
- We can set regulatory controls through the Planning Scheme to make sure future buildings are not exacerbating the problem



You can help by reporting a problem with a drain [online](#).

If there is any hazard to the public, damage to property or the issue requires urgent attention, please call us immediately on 9658 9658.

Being flood ready

So what can we individually do to prepare and respond to flood?



'plan ahead to stay safe'

- Prepare a response plan
- Pack an Emergency Kit
- Understand your insurance coverage.
- Know what to do if a serious storm is approaching

=> information available on [Participate Melbourne](#) and the [SES](#) website



Amendment C384 - How to get involved



Amendment overview

Learn more about Planning Scheme Amendment C384.



Good Design Guide for Flood Affected Areas

Check out our proposed Good Design Guide for Flood Affected Areas.



Water flows and how to be 'flood ready'

Explore how water moves through our environment, how we manage flood impacts for our city, and how you can be prepared.

Engagement activities



Make a submission

Make a formal written submission by Monday 29 November 2021.



Online information session

Register for a live online information session on 23, 25 or 27 October, where you can hear from a panel of experts.

- **Explore the range of online information**
participate.melbourne.vic.gov.au/amendment-C384
- **Call or email us**
planning.policy@melbourne.vic.gov.au
9658 9658
- **Write a formal submission**
online form or post
by 5pm Monday 29 November 2021

Questions about Flood Certificates or Pre-Application Advice?

Call Melbourne Water 131 772

PARTICIPATE MELBOURNE

Amendment C384 - Next steps

Timeline



Future Melbourne Committee meeting

a) Amendment C384 and the Good Design Guide background document are presented to the Future Melbourne Committee. This is to consider requesting authorisation from the Minister for Planning to prepare and exhibit the amendment to incorporate new flood information in the planning scheme, along with improved application requirements and decision guidelines.

b) Melbourne Water adopts and declares new flood information to inform Property Information Certificates, Flood Certificates, as well as responses to planning and building applications that are requested or referred to it by the City of Melbourne, Secretary of the Department of Water and the community.

3 August 2021



City of Melbourne to Request Authorisation

Authorisation requested on 4 August 2021.



Authorisation by the Minister for Planning

Under delegation from the Minister for Planning, authorisation was granted on 18 August 2021.



Exhibition of Amendment C384

Proposed updates to Planning Scheme published for public comment.

13 October to 29 November 2021



Submissions to Future Melbourne Committee

Report on public submissions to Future Melbourne Committee for consideration. Council may request Minister appoint an independent Planning Panel to review and hear any unresolved submissions.

TBC



Submissions to the independent Planning Panel

Independent panel considers written submissions lodged during the statutory consultation period, hears verbal submissions in support of the written submissions and makes recommendations.

TBC



Submissions to Future Melbourne Committee

The Future Melbourne Committee considers the Panel report and any recommended changes to the Planning Scheme Amendment. Council submits final amendment to the Minister for approval.

TBC



Approval and Gazettal by the Minister for Planning of the final planning scheme changes

TBC

Questions?



Thank you



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