

# Coastal Floodplain Mapping Guidelines



**BC Adaptation Initiative  
Meeting  
Nanaimo, BC**

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# Presentation Outline

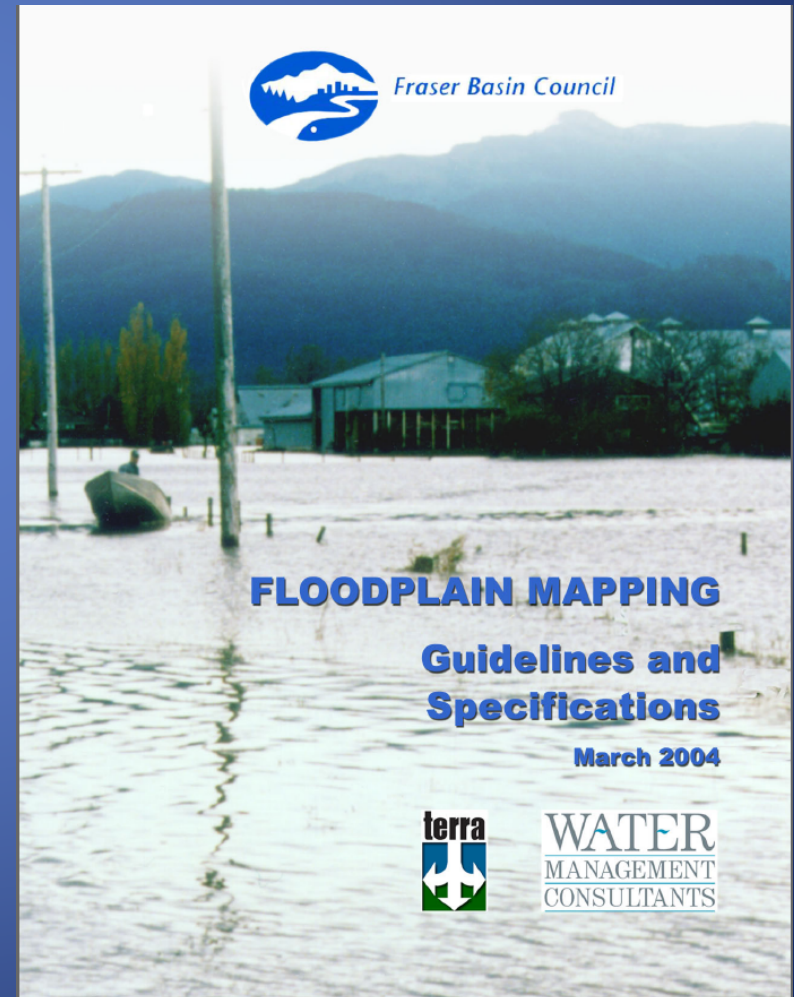
- Coastal Floodplain Mapping Guidelines
- Next Steps



# Coastal Floodplain Mapping – Guidelines & Specifications

## Background

- 1987-1998: Many coastal floodplains in BC were mapped through a joint federal and provincial initiative.
- 2004: Fraser Basin Council and Water Management Consultants prepared “Floodplain Mapping Guidelines and Specifications”
  - Focused on riverine flooding



# 2011 Coastal Floodplain Mapping – Guidelines & Specifications

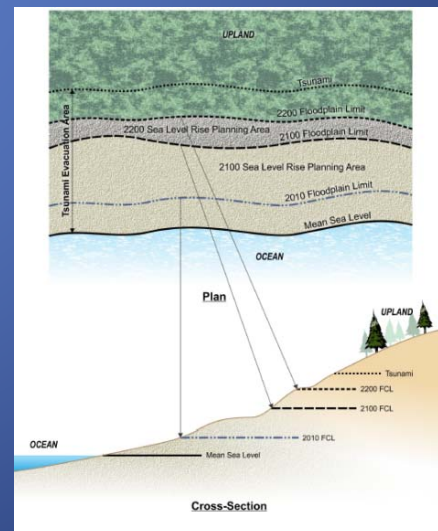
1. Develop floodplain mapping guidelines & specifications considering sea level rise

Framework & Methodology:

- Acquisition of detailed Floodplain Topography (LIDAR)
- Coastal Engineering Analysis
- Preparation of Floodplain Maps indicating areas subject to flooding
- Design Brief to Document Analysis

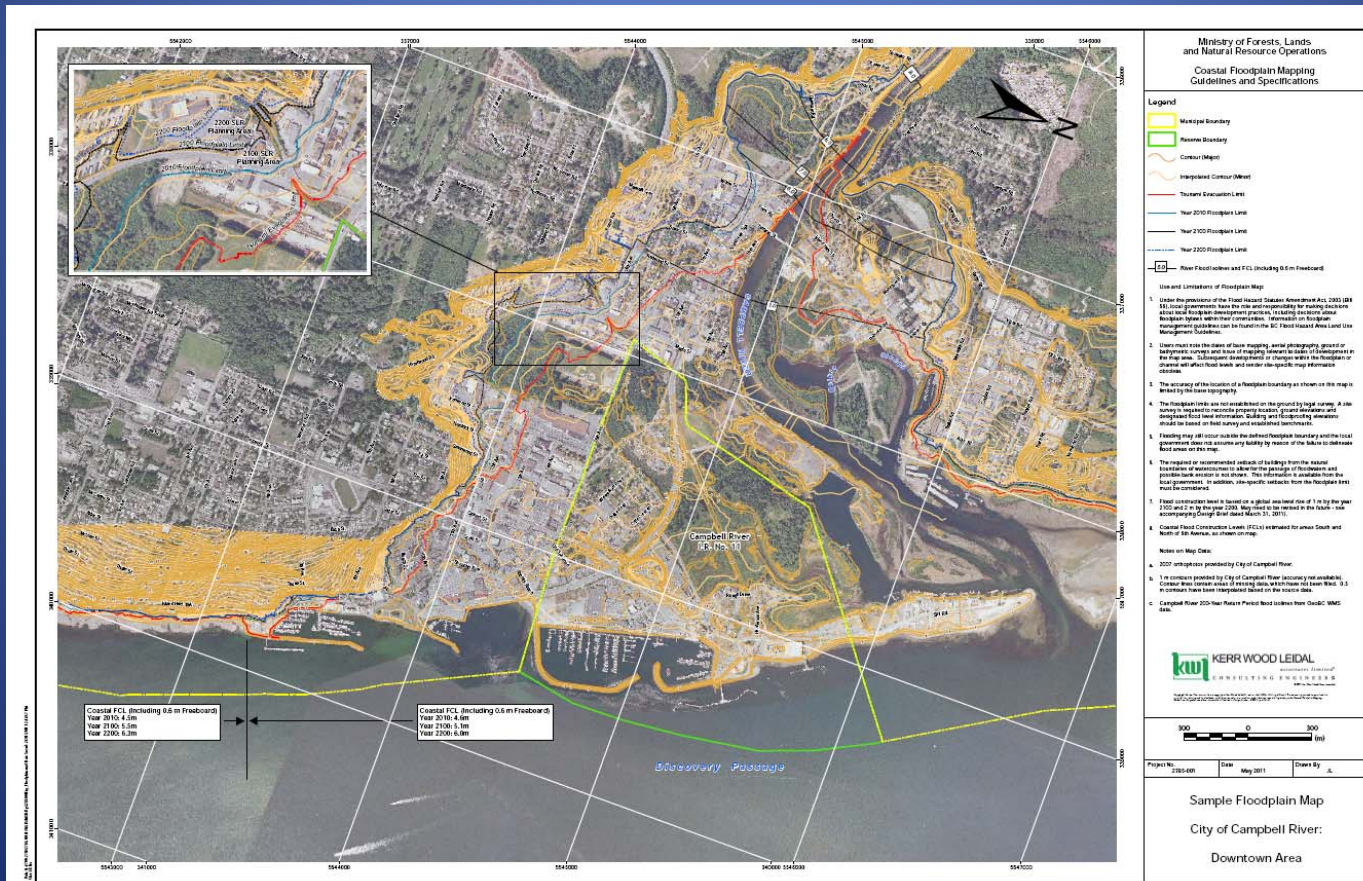


Terra Nova



# Coastal Floodplain Mapping – Guidelines & Specifications

## 2. Create Sample Coastal Floodplain Map (Campbell River, BC)

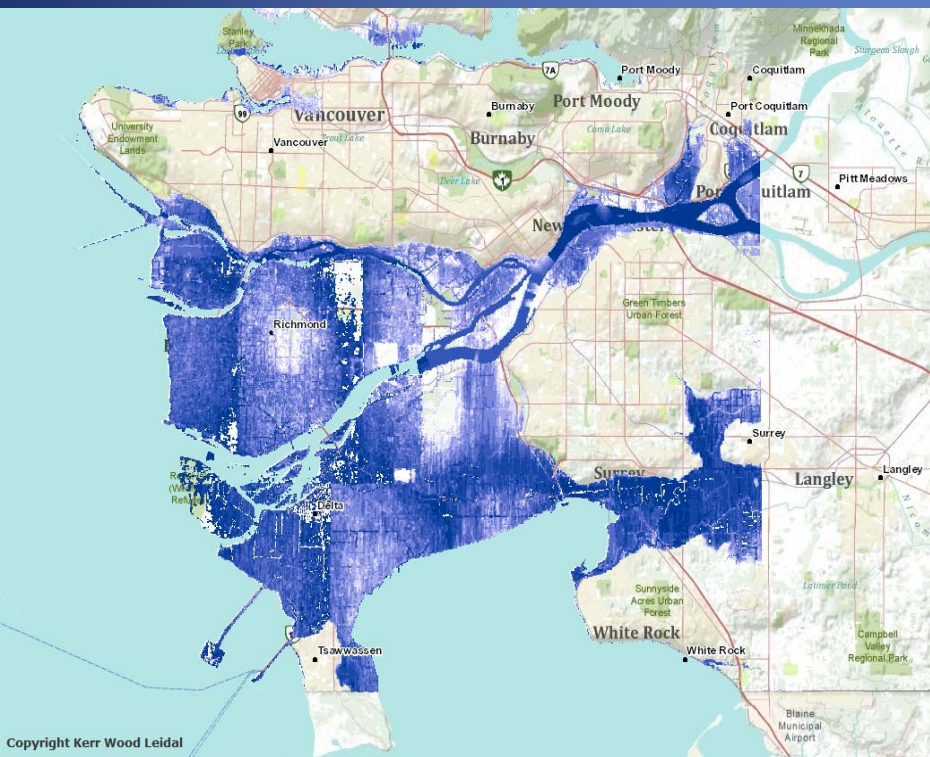




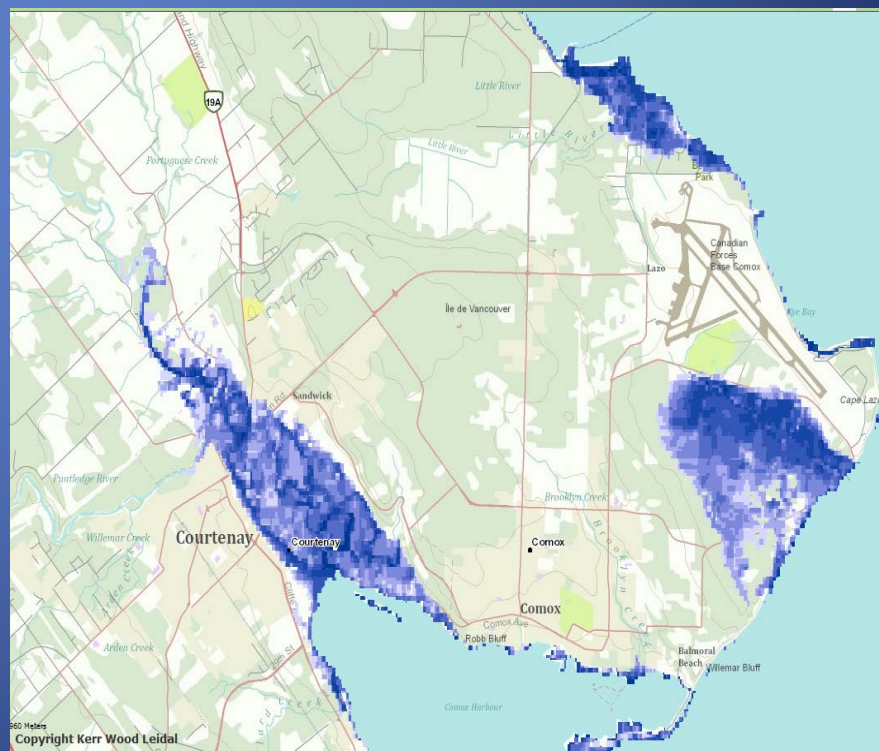
# Coastal Floodplain Mapping – Guidelines & Specifications

3. Web tool showing areas that may benefit from coastal floodplain mapping.

**Lower Mainland**



**Courtenay/Comox**



# Next Steps

- Cost of Adaptation: Sea Dikes & Alternative Strategies



Canada Line



Vancouver Convention Center

- Other Suggestions?

# Questions/Comments

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