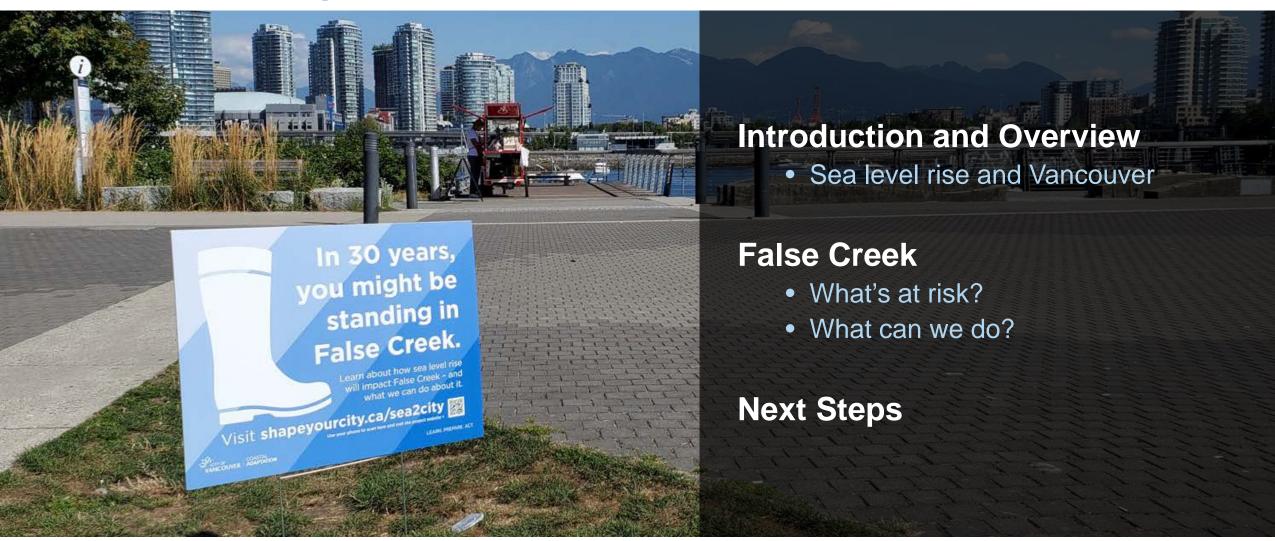




#### Today's Agenda





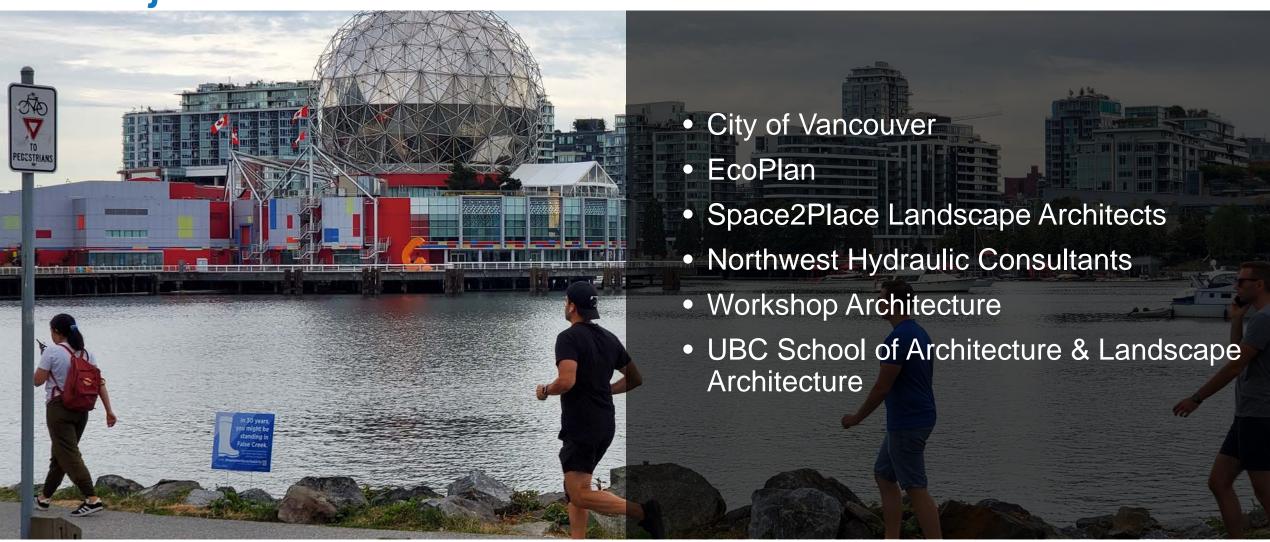
#### Today's Goals

- ✓ Build awareness of sea level rise and coastal flooding risks for False Creek
- ✓ Explore and discuss community values for False Creek what matters?
- ✓ Learn about how future project phases and engagement opportunities



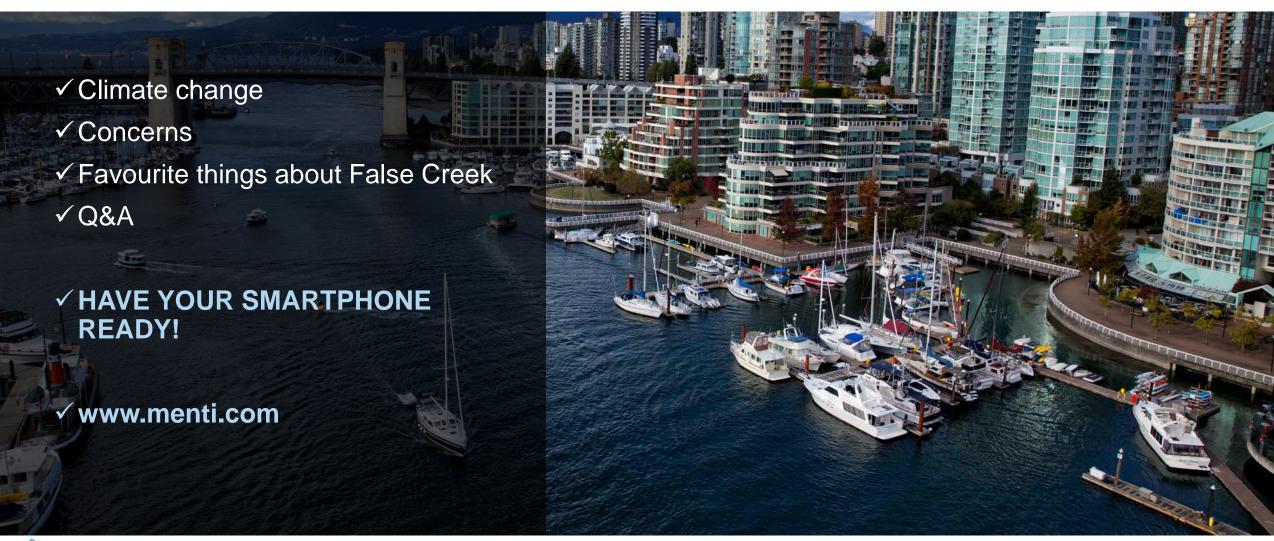


#### **Project Team**





### Online Polling





## Polling Questions 1-5

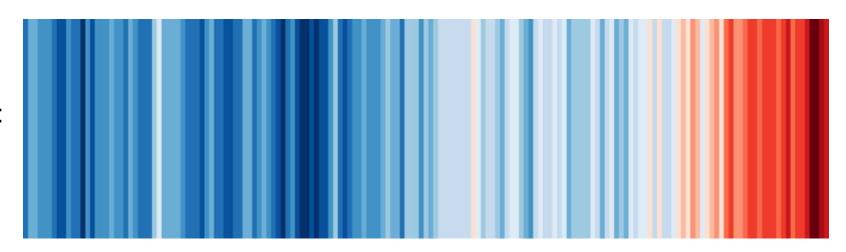




#### Climate Change

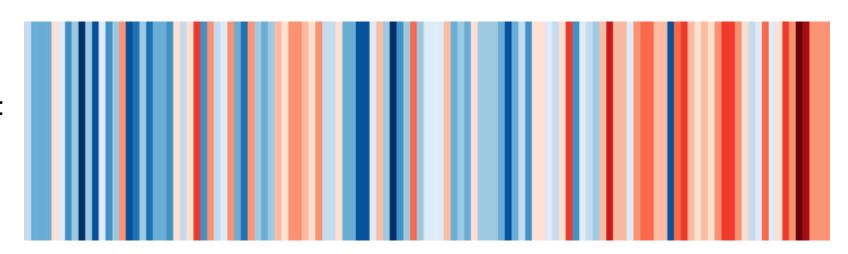
#### Global

Average Temperatures: 1850 - 2019



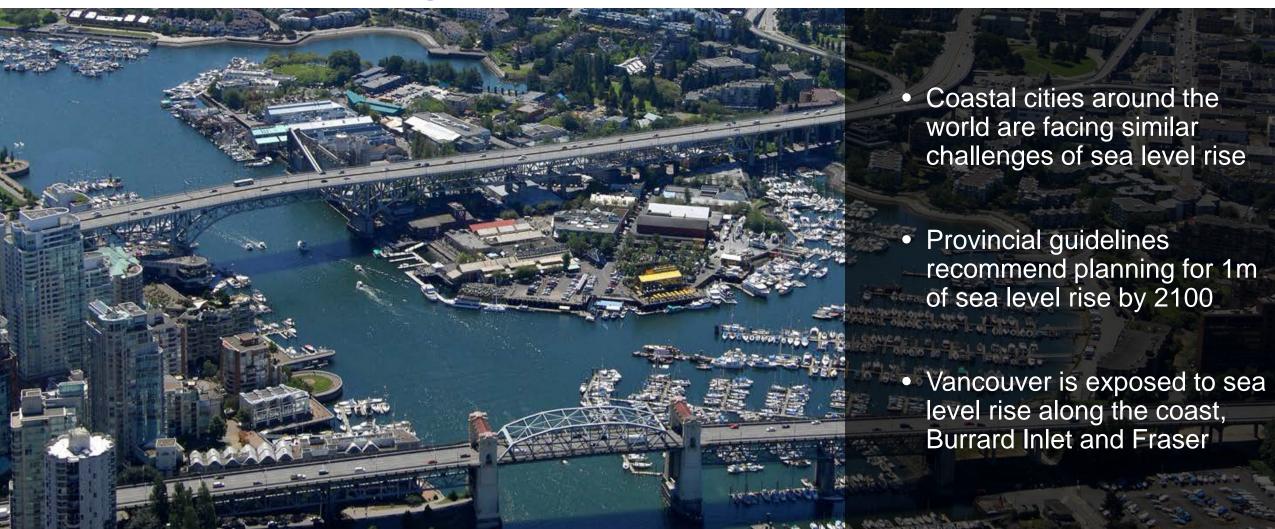
#### **British Columbia**

Average Temperatures: 1909 - 2019

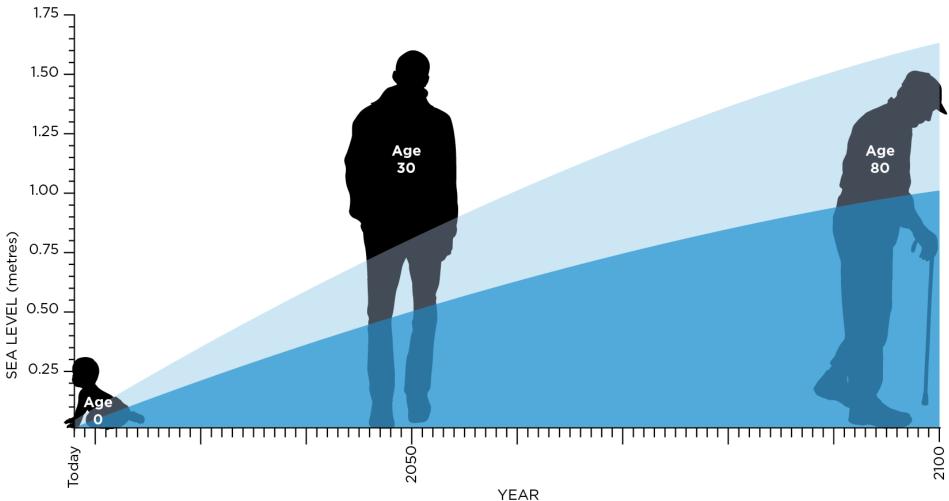




#### Climate Change & Coastal Floods



#### Salish Sea rising









#### False Creek Coastal Flooding



Sea Level Rise



High Tide Events

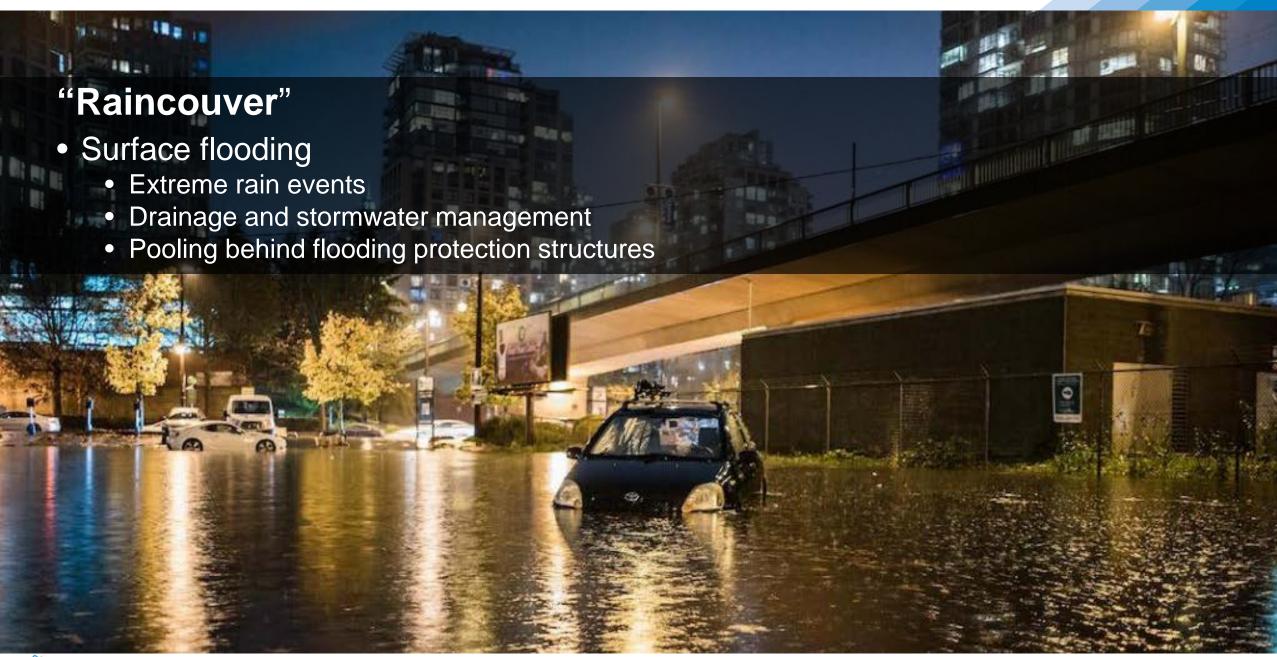


Storm Surge and Waves



"Design Event" flooding











# False Creek - 1890 **False Creek Today** Main St.

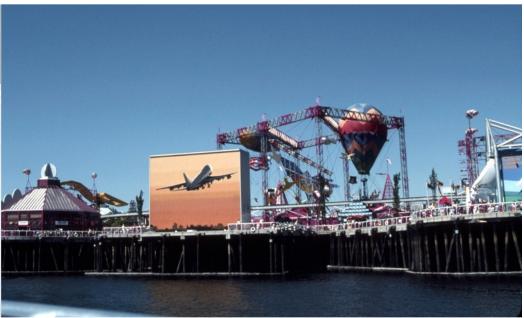








# False Creek - 1986



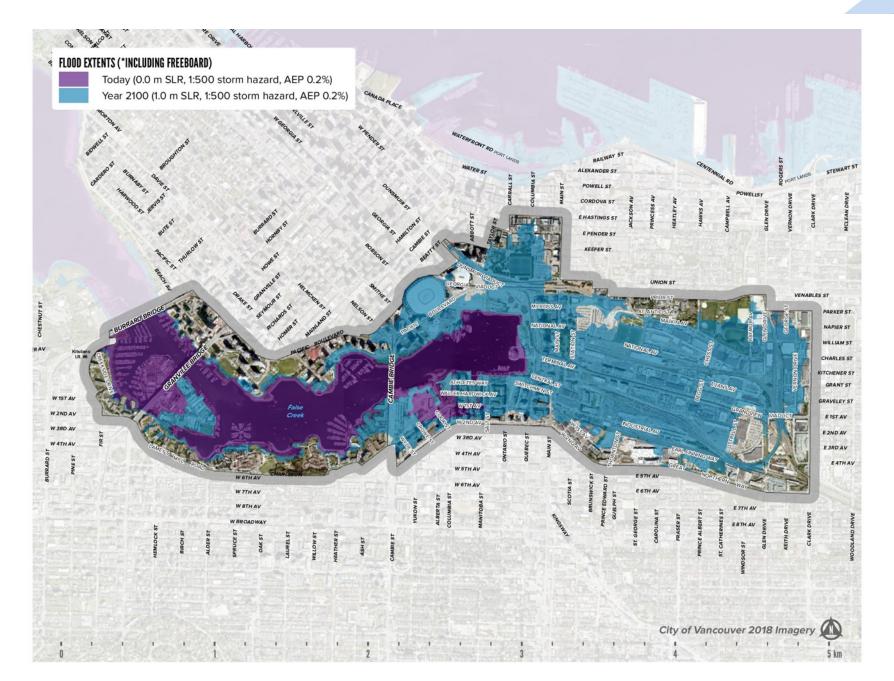




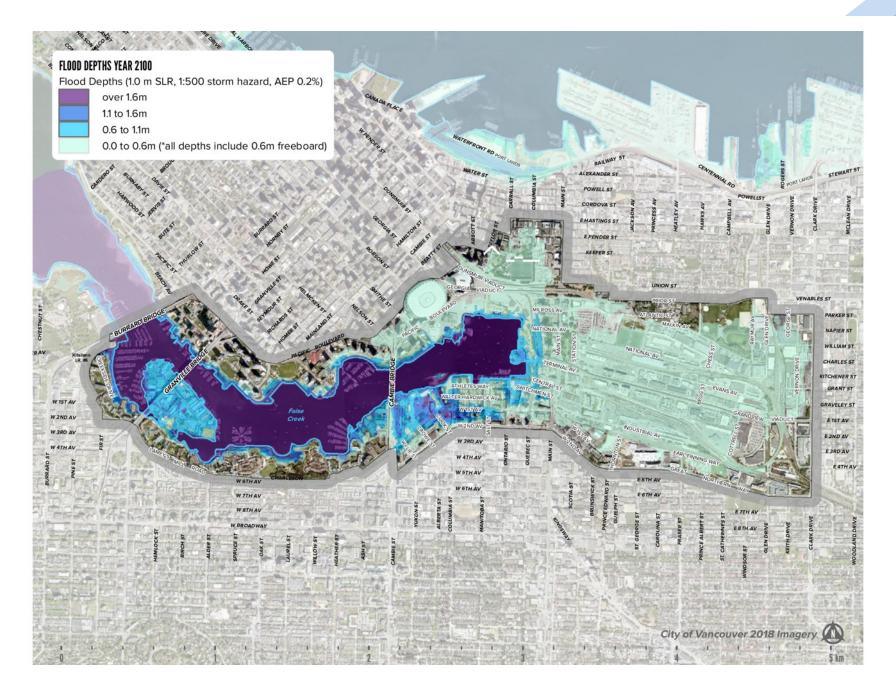


















• 38,000+ residents and a range of housing



- 38,000+ residents and a range of housing
- \$19 billion in assessed property value



- 38,000+ residents and a range of housing
- \$19 billion in assessed property value
- 200 industrial properties



- 38,000+ residents and a range of housing
- \$19 billion in assessed property value
- 200 industrial properties
- Emergency and medical facilities



- 38,000+ residents and a range of housing
- \$19 billion in assessed property value
- 200 industrial properties
- Emergency and medical facilities
- Schools and childcare facilities



- 38,000+ residents and a range of housing
- \$19 billion in assessed property value
- 200 industrial properties
- Emergency and medical facilities
- Schools and childcare facilities
- Granville Island



- 38,000+ residents and a range of housing
- \$19 billion in assessed property value
- 200 industrial properties
- Emergency and medical facilities
- Schools and childcare facilities
- Granville Island
- Parks, recreation, and activity centres



- 38,000+ residents and a range of housing
- \$19 billion in assessed property value
- 200 industrial properties
- Emergency and medical facilities
- Schools and childcare facilities
- Granville Island
- Parks, recreation, and activity centres
- Major utilities and other assets

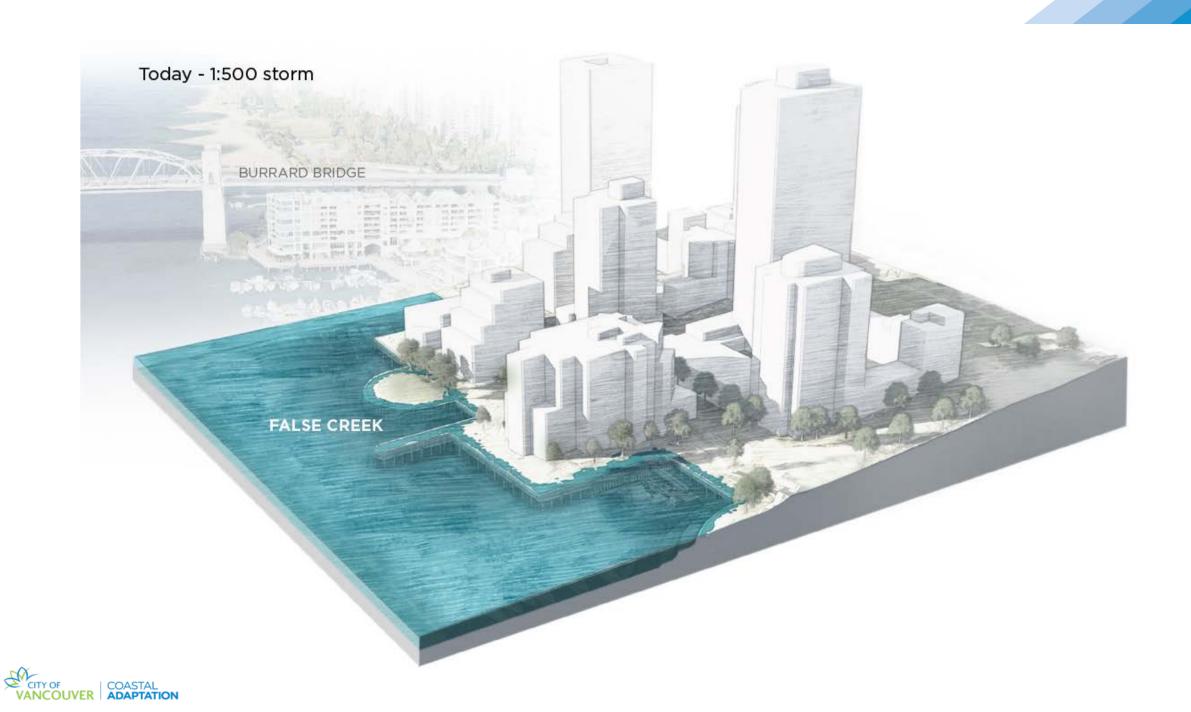
#### Flood Risks





















#### 1m Sea Level Rise and 1:500 storm





#### Today



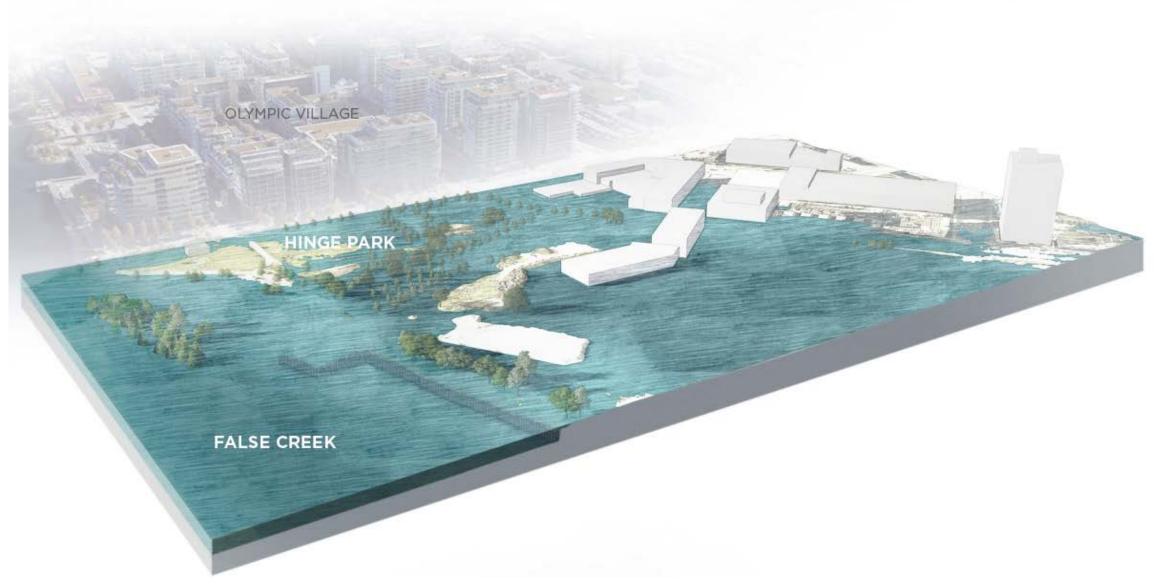


Today - 1:500 storm





#### 1m Sea Level Rise and 1:500 storm





### Polling Question 6-7





- Long-term planning effort to address coastal flood hazards and risks in Vancouver
- Technical work started in 2013 mapping, modelling, risk assessments, policy changes
- Community planning work started in 2018 with Coastal Adaptation Plan – Fraser River Foreshore





 Fraser River Foreshore work identified and prioritized community values to help guide future work

 Also developed preliminary design principles to inform the development and evaluation of future flood management works







### **Community Values**

The community concerns and desires that represent what residents and other stakeholders care about most.



Communities and People



Environment



Health and Safety



Infrastructure and Transportation



Local and Regional Economy



Culture and Heritage



Recreation



### Design Principles

Guidelines to provide direction for future work, including the development of flood management options, infrastructure design, and policy



Design for adaptability



Design for safety and public health



Design for safe-to-fail infrastructure systems



Design for nature



Design for access



Design for co-benefits





### **Community Values**

The community concerns and desires that represent what residents and other stakeholders care about most.



Communities and People



Environment



Health and Safety



Infrastructure and Transportation



Local and Regional Economy



Culture and Heritage



Recreation

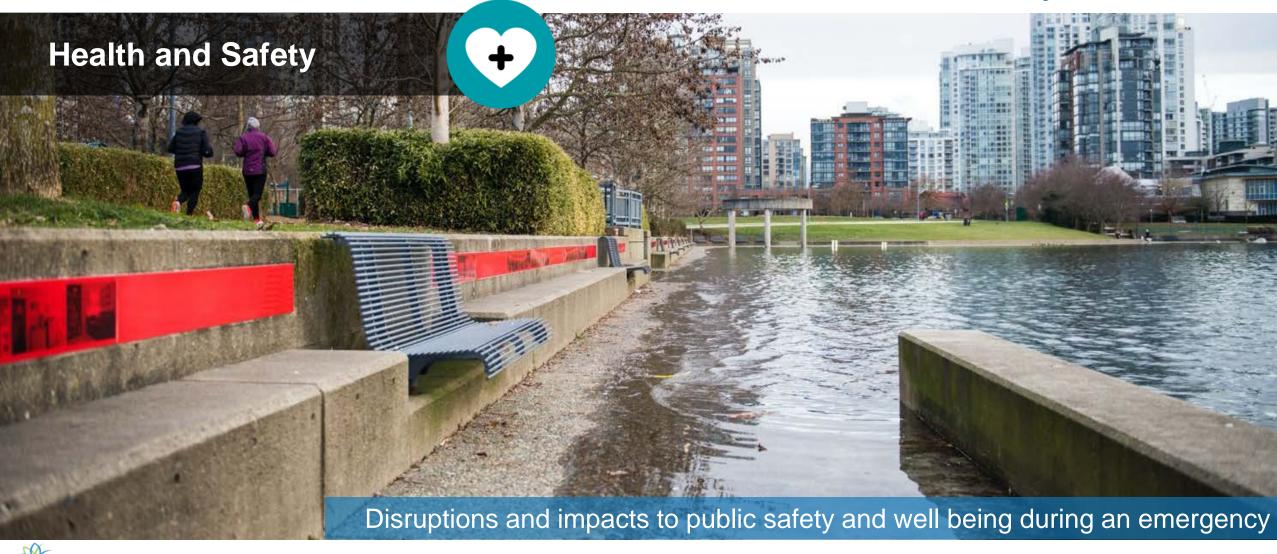






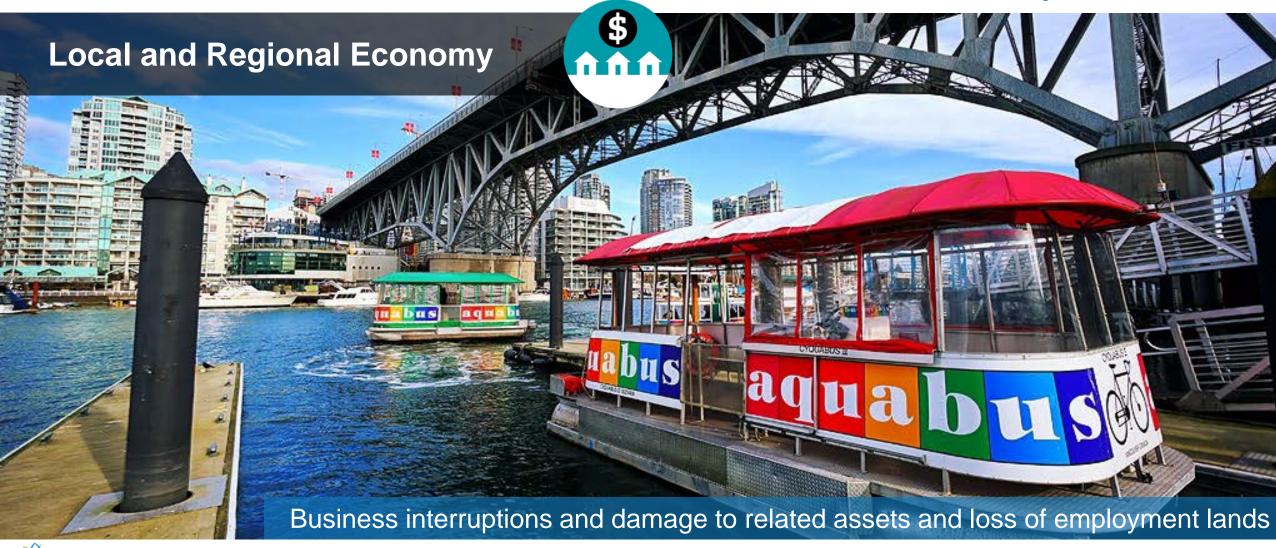
VANCOUVER ADAPTATION







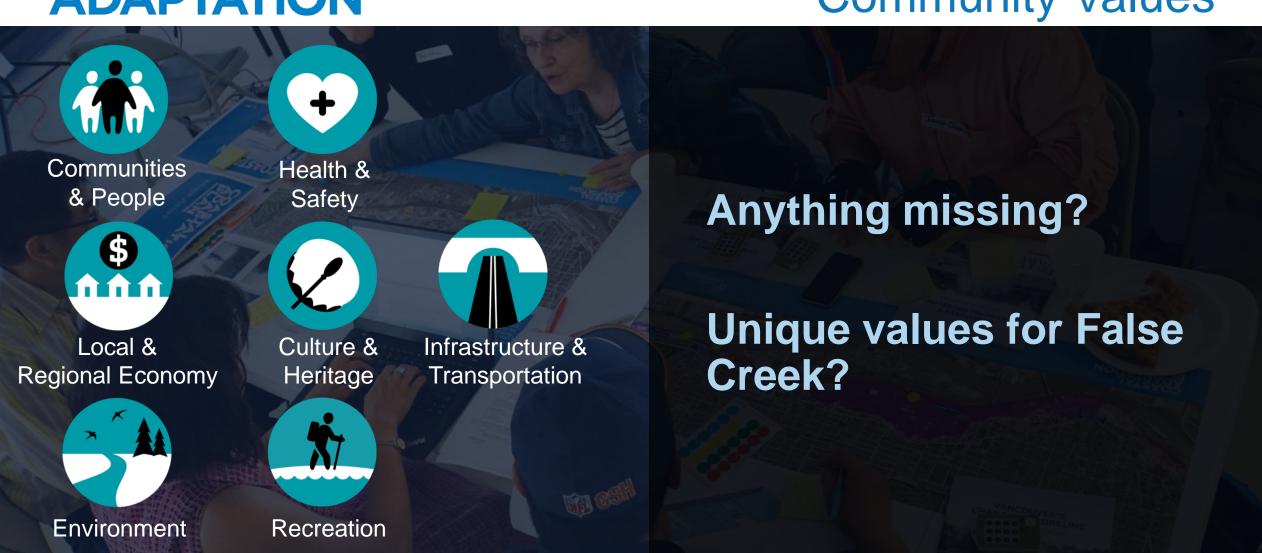






COASTAL COASTAL ADAPTATION





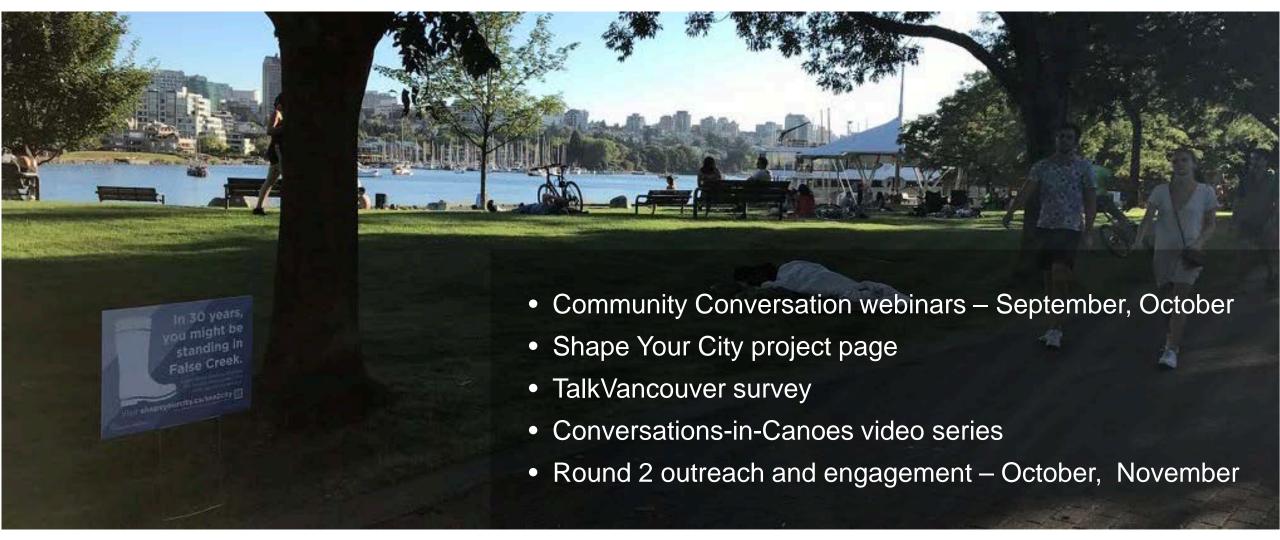


## Polling Questions 8-9





### Continuing the Conversations



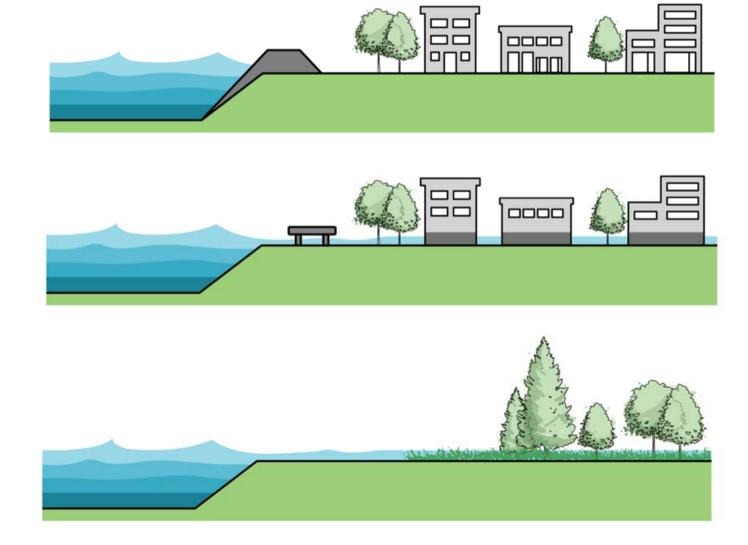


### **Adaptation Approaches**

**RESIST** 

**ACCOMMODATE** 

MOVE / AVOID





### **Adaptation Approaches**





### **Adaptation Approaches**



















## Polling Questions 10-13





### Stay Involved!

- Visit the Shape Your City project page for the survey, resources, and more information
  - www.shapeyourcity.ca
- Email us
  - sealevelrise@Vancouver.ca
- Participate in next round of webinars in October/November to discuss adaptation approaches and design principles



## Polling Question 14





