





Goals

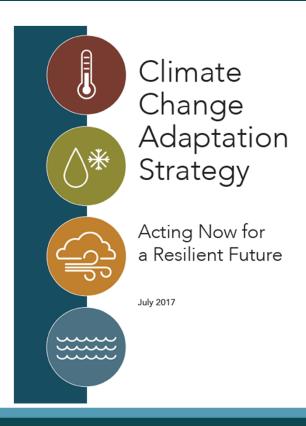
- Reduce emissions as a corporation and as a community
- Protect and enhance biodiversity
- Improve our community's resilience to climate change



Six Pathways

- Corporate Leadership
- Low Carbon Buildings
- Low Carbon Transport
- **Zero Waste**
- Healthy Ecosystems
- Climate Adaptation

2017 Climate Adaptation Strategy







Adaptation Initiatives

- North Shore Sea Level Rise Strategy
- Geohazard and stormwater management
- Wildfire protection program
- Resilient buildings
- Emergency preparedness and resilience (NSEM)
- Urban tree canopy project



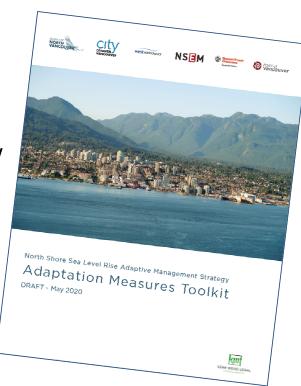
North Shore Sea Level Rise Strategy





North Shore Adaptation Measures Toolkit

- Toolkit tailored to North Shore context
- 26 adaptation measures
 - Land use planning and development review
 - Structural flood protection works
 - Nature-based solutions





Sea Level Rise Adaptation Measures Toolkit Examples



Nature-based measures for waves & erosion



Building flood-proofing



Land raising



Setback dike



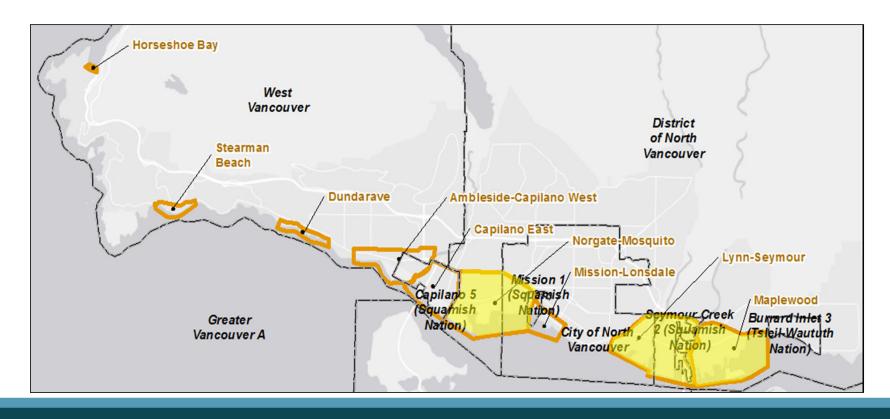
Land reshaping



Pump stations



Comprehensive Adaptation Planning Zones





Sea Level Rise Strategy Actions

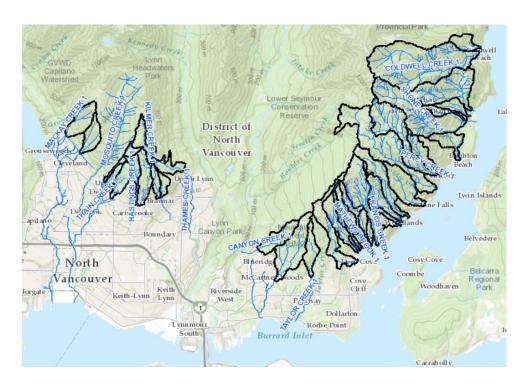
- 1. Continue North Shore sea level rise working group
- 2. Build knowledge and fill gaps
- 3. Create Comprehensive Adaptation Plans
- 4. Update regulations & policies (e.g. Coastal Development Permit Area)
- 5. Continue building public awareness
- 6. Coordinate with other governments





Geohazard and Stormwater Management

 Capture debris and prevent flooding

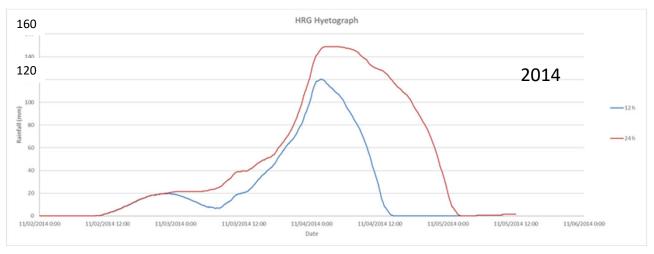


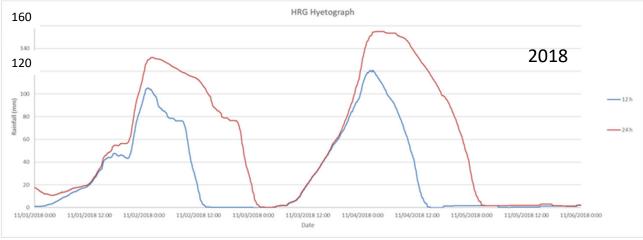


2014 Flooding



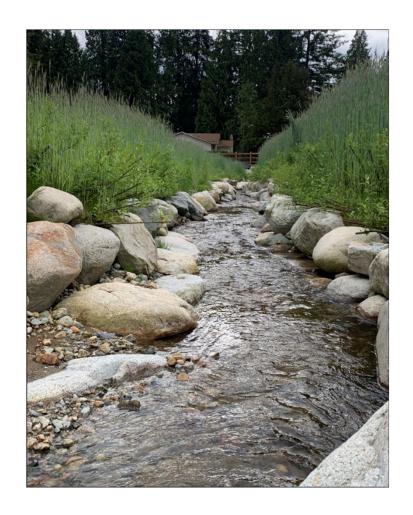
Rainfall Intensity: 2014 and 2018





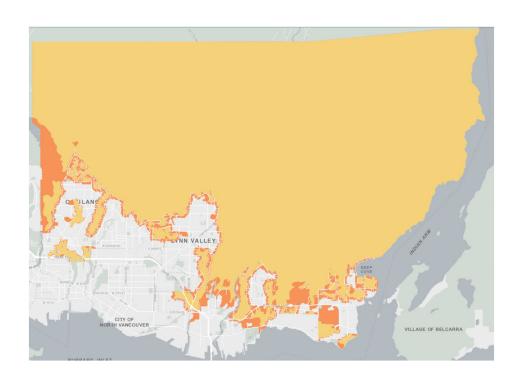
Creek Daylighting

- Argyle Secondary
- Nature-based solutions to restore ecological function



Community Wildfire Protection Plan

- 2007 Plan updated in 2020
 - 52 recommendations



Community Wildfire Protection Plan

- 1. Communication and education to minimize fire risk
- 2. Structure protection
- 3. Emergency response
- 4. Training
- 5. Fuel (vegetation) management

Increasing Forest Resilience: Fuel Treatments and Ecosystem Restoration

Preplanting Nov 2013





Post – planting Oct 2014

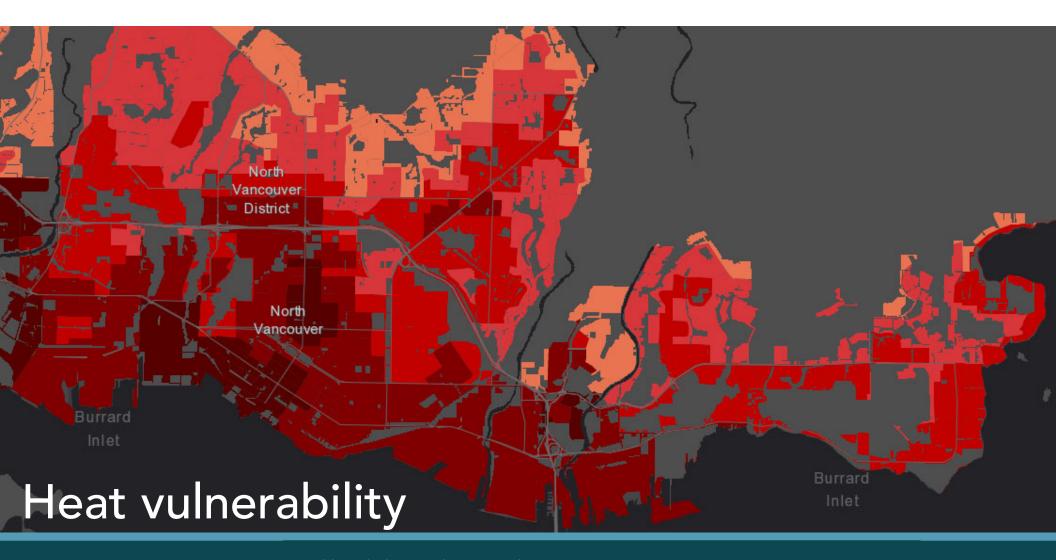
Postplanting May 2016





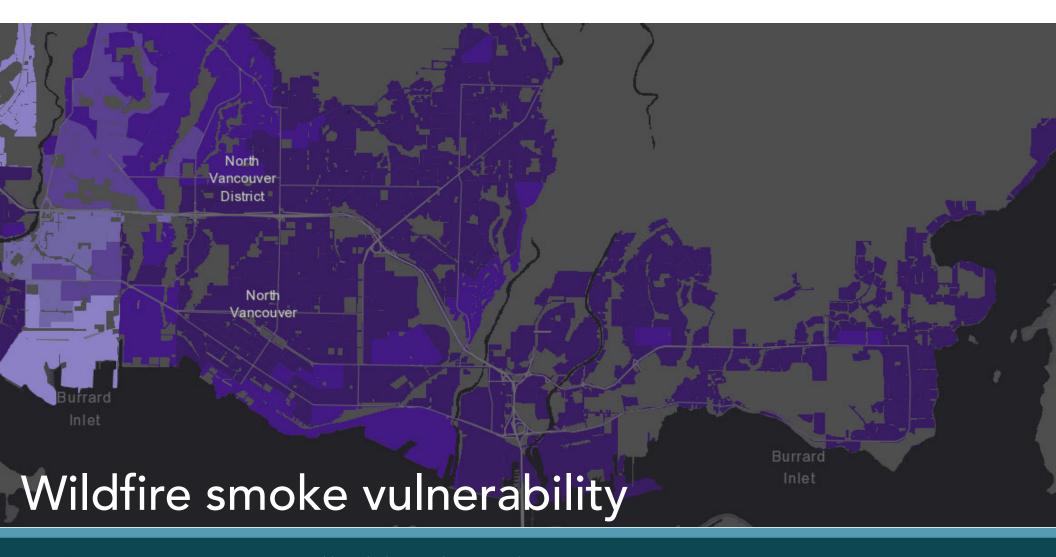
Postplanting May 2019







Source: VCH Community Health and Climate Change Study, 2021



DISTRICT OF NORTH VANCOUVER

Source: VCH Community Health and Climate Change Study, 2021

Green Building Policy Development

- High efficiency filtration
- Cooling for residential dwelling units



North Shore Emergency Management (NSEM)

- Emergency Preparedness
- Community Resilience
- Extreme Heat Strategy





Urban tree canopy project





Thank you



