CFAS

Surrey Coastal Flood Adaptation

Climate 2050: June 14, 2018

City of Surrey: Matt Osler, P.Eng.



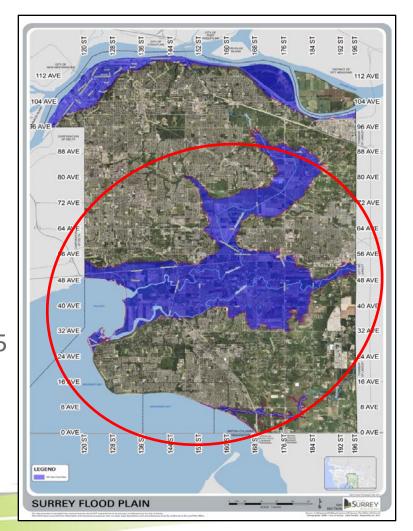






Surrey's Journey into Climate Change

- Began in 2008
- Has become part of how we do business
- Climate Change and Flooding is City's
 Greatest Risk
- Hydrotechnical analysis completed 2011-2015
 on coastal floodplain



Surrey Climate Change Planning



SÜRREY











SERPENTINE & NICOMEKL RIVER
CLIMATE CHANGE FLOODPLAIN REVIEW
PHASE 2

NAL DRAFT REPORT



Prepared for

SURREY

Surrey, British Columbi



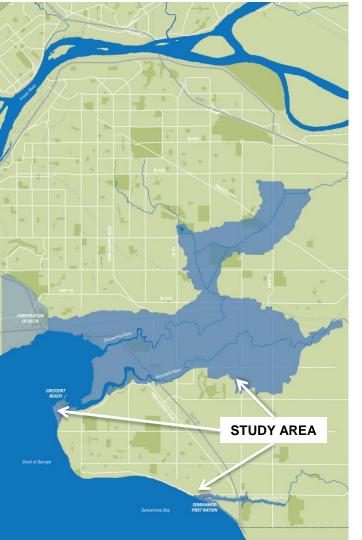
"Conduct detailed analysis on Surrey-specific climate impacts, including timelines and extent of sea level rise and its related effects on flood construction levels and floodplain designations"



6 March 2013

NI-C Ref. No. 200222





- Mayor & Council adopted recommendations to develop a Coastal Strategy Feb 22, 2016 under Corporate Report No. R034;2016
 - Continuing commitment to participatory planning
- CFAS anticipated to be complete by end of 2018
- Large study area with many communities, stakeholders and partners





Adaptation Through Collaboration

Sector based engagement

- Agriculture, environment, infrastructure focus groups
- Education to increase capacity Green Shores & PIEVC
- Local tours with diverse stakeholders to discuss the issues and build understanding
- Online through web based information, surveys, social media, videos

Collaboration

- Across region with Fraser Basin Council and MV
- Across City departments
- Across external groups through a project advisory group
- Post secondary institutions and global experts
- Community Charrettes and community groups

Broad engagement

Libraries, public spaces, school district, contests





Maintaining Momentum on Implementation

- Not everything under the 'banner' of adaptation
 - Risk Management and Design Guidelines
- Alignment with higher and lower level plans
- Linking with Regional efforts
- Engage Stakeholders to make integrated infrastructure decisions





Climate 2050 Issue Areas

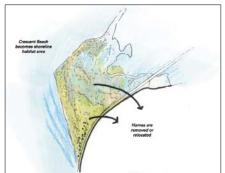
- Land Use
- Agriculture
- Infrastructure













Building Partnerships for Adaptation





















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MetroVancouver





MUNICIPALITÉS







What matters most and who is affected?

PHASE 2
What can we do?

PHASE 3
What is acceptable?

PHASE 4

How will we do it?

PHASE 5
Reporting back

FOCUS: Education, awareness building, and community values

SUMMER 2016 - SPRING 2017

FOCUS: Exploring adaptation options

• SUMMER 2017 - FALL 2017

FOCUS: Developing adaptation strategies

→ FALL 2017 - SPRING 2018



FOCUS: Detailing preferred strategies

→ SPRING 2018 - SUMMER 2018



→ SUMMER 2018 - FALL 2018

Building Shared Understanding

Shaping Choices

Making Decisions

Phasing



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