


# BE PREPARED



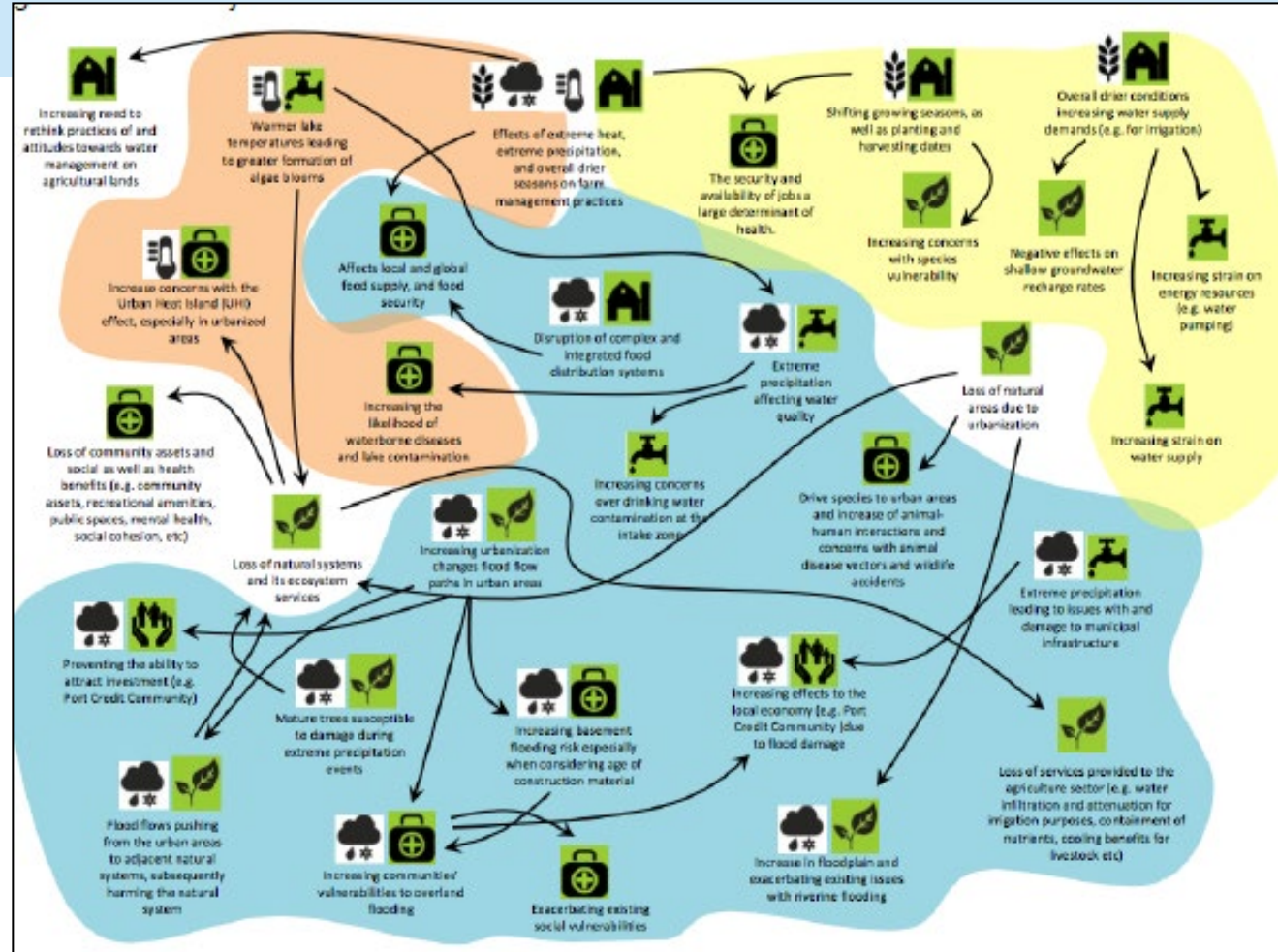
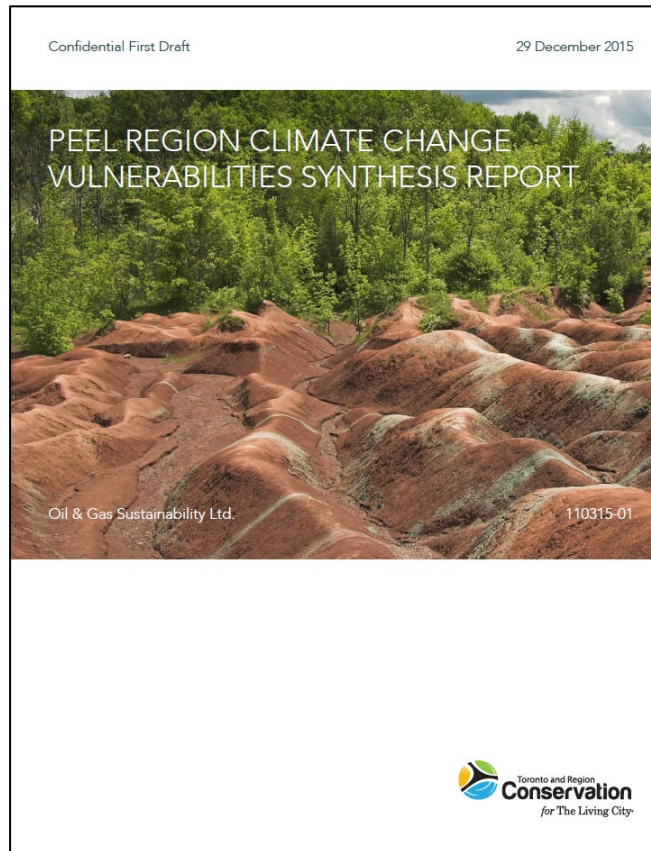
**IT'S NOT  
JUST FOR SCOUTS**

Jeremy Schembri  
Region of Peel  
March 24, 2021

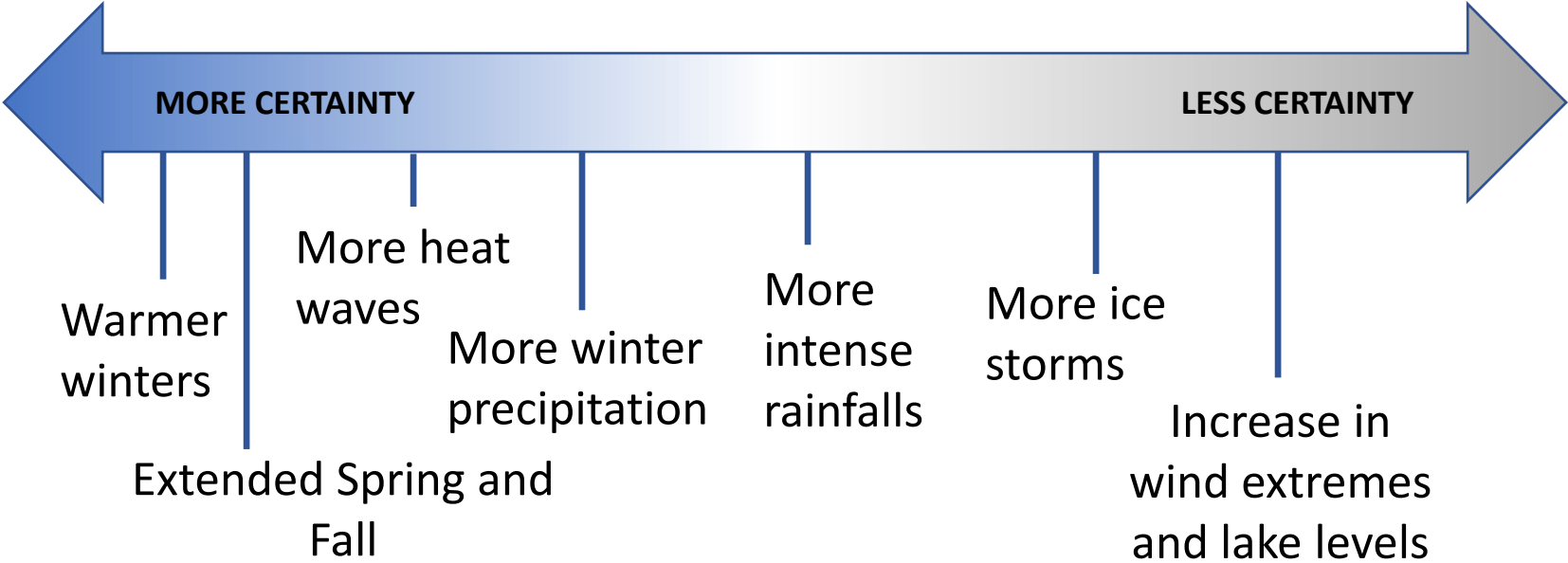
# State of Adaptation Work



# Vulnerability Assessments



# Peel Region Climate Trends



# Qualitative Corporate Service Risk Assessment

**STEP 1:** Identify potential climate change risks to Peel operations and services

**STEP 2:** Assess likelihood of occurrence and severity of consequences

**STEP 3:** Co-design actions/strategies to address prioritized risks

**40** employee participants (all departments); **117** high and very-high risks identified

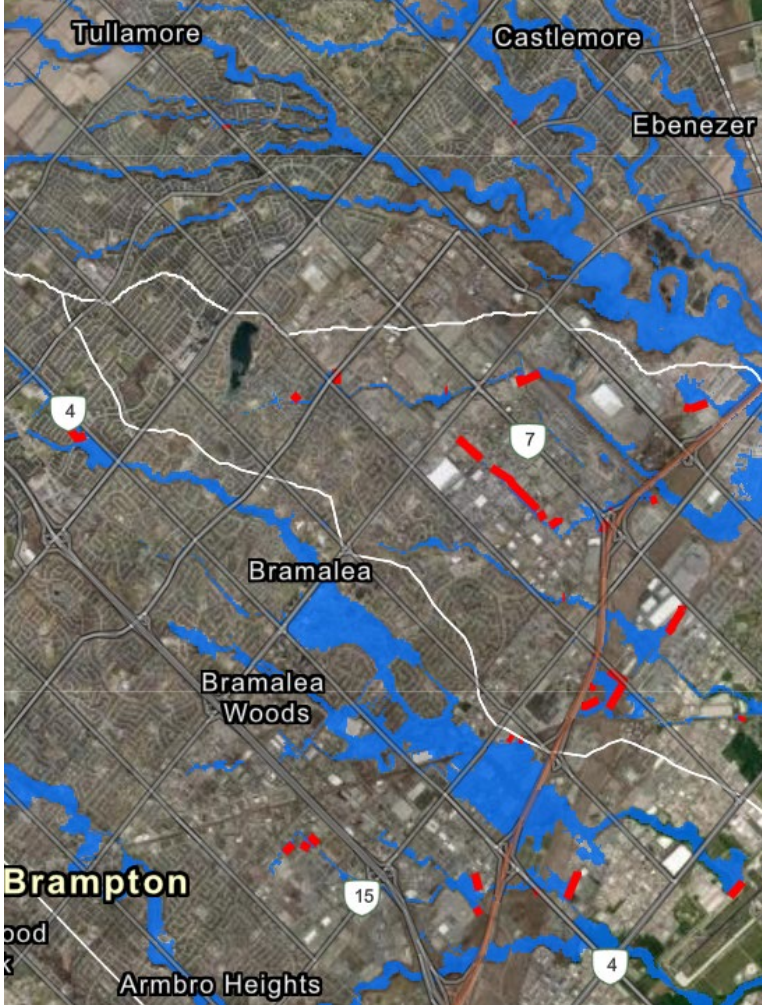




# Green Infrastructure Opportunity Assessment

Green Infrastructure Practices	STORMWATER				ENVIRONMENTAL				QUALITY OF LIFE				BIODIVERSITY					
	Reduce Stormwater Runoff	Improve Water Quality	Contribute to flood protection	Increase groundwater recharge	Reduce Soil Erosion	Reduce Energy Use	Improve Air Quality	Reduce CO2	Reduce Urban Heat Island	Improve Aesthetics	Increase Recreational Opportunities	Reduce Noise Pollution	Improve Community Cohesion	Improve Human Health & Wellbeing	Cultivate Public Education	Increase food security	Provide Habitat	Support pollinators
Tree Canopy	●	●	●		●	●	●	●	●	●	●	●	●	●	●	●	●	●
Bioretention	●	●	●	●		●	●	●	●	●	●	●	●	●	●	●	●	●
Green Roofs	●	●	●		●	●	●	●	●	●	●	●	●	●	●	●	●	●
Natural Channel Design		●	●	●	●				●	●	●	●	●	●	●	●	●	●
Wetlands	●	●	●	●	●			●	●	●	●	●	●	●	●	●	●	●
Forests	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Permeable Pavement	●	●	●	●					●									
Hedgerows					●		●	●	●	●	●	●	●	●	●	●	●	●
Urban Agriculture						●	●	●	●			●	●	●	●	●	●	●
Downspout Disconnect		●	●	●														
Perforated Pipes	●		●	●														
Infiltration Trenches & Chambers	●	●	●	●														

Primary Function    
  Secondary Function



# Climate Change Master Plan



CLIMATE CHANGE

MASTER PLAN

LEAD INFLUENCE TRANSFORM

2020-2030











# Climate Change Infrastructure Risk Assessment Tool





# Climate Change Resiliency Criteria

 Commitment, capacity and partnership expanded	 Public support and disaster preparedness increased
 Human health protected	 Climate risks and GHGs understood
 Climate related risks and GHGs reduced	 Land use policy adopted to reduce GHGs and community vulnerability
 Natural and green infrastructure protected and enhanced	 Investment made and financial risks/opportunities disclosed