



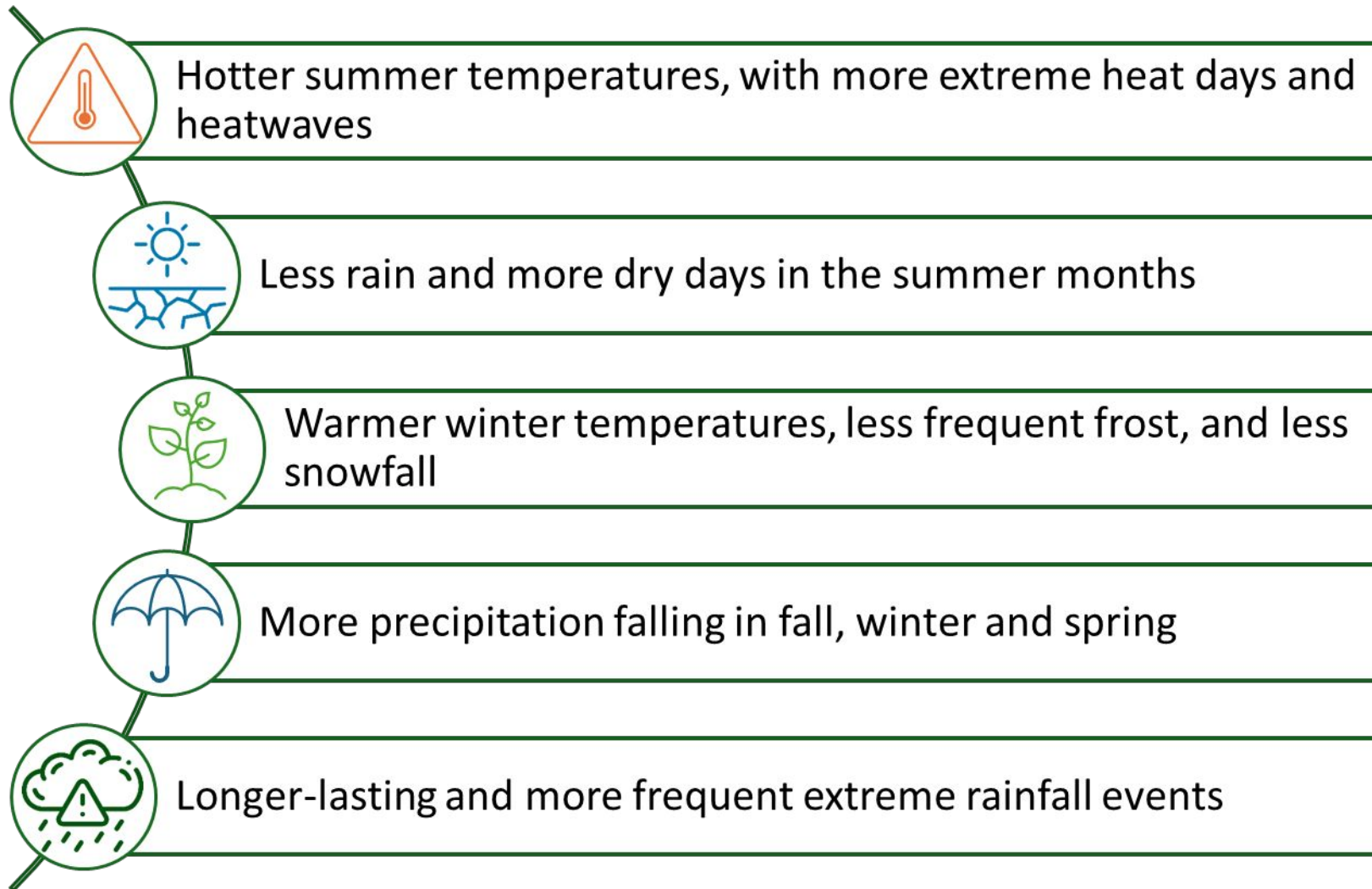
BC | Climate Resilience
Summit 2025

Vancouver, Robson Square March 3rd/4th

Capital Regional District








Climate Impacts in the Capital Region



Capital Regional District Climate Projections (2024)



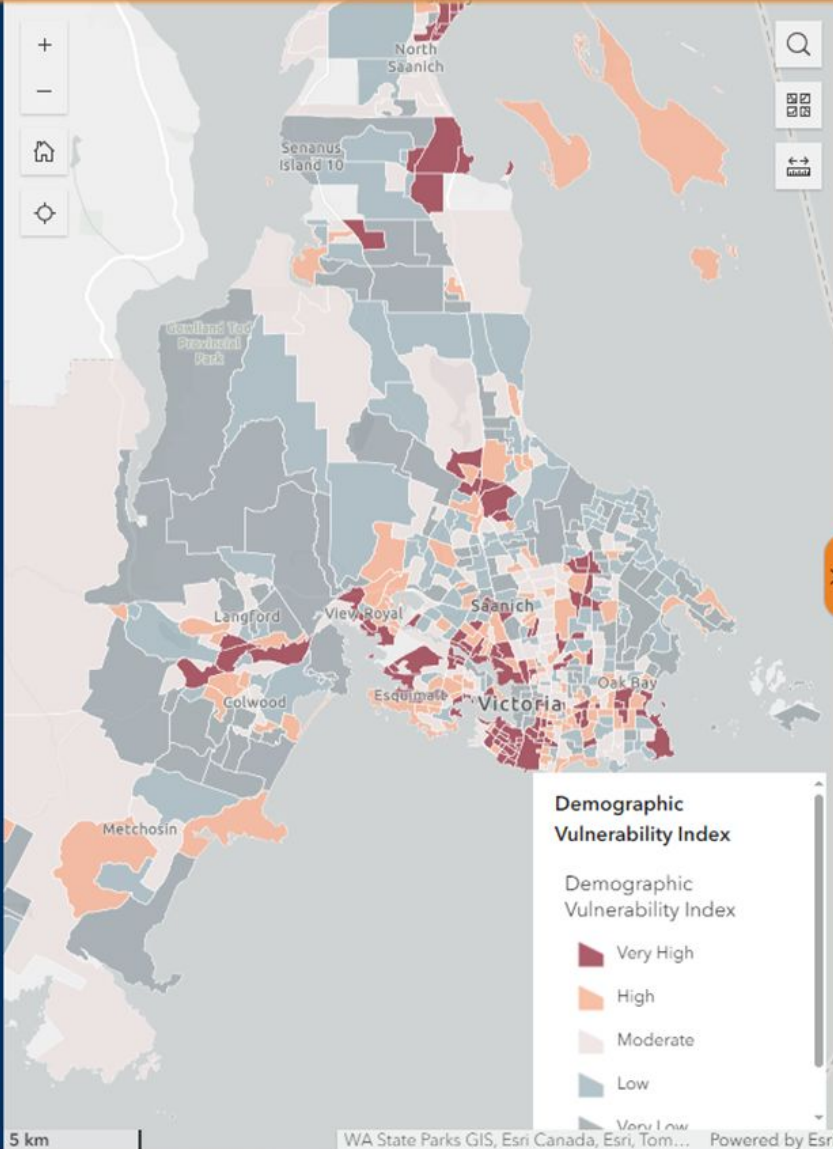
Impact Driver		1990s Median	High Emissions Scenario 2041-2070 ("2050s")		
			Low	Median	High
EXTREME HEAT     	Hottest Summer Day	28.6°C	30.9°C	31.4°C	33.8°C
	Number of >25°C days per year	10	24	32	57
	Number of >16°C nights per year	0	5	8	29
	Longest annual heatwave (in days)	2-3	3	4	9
	Number of heat wave days	0-1	4	7	21

Capital Region Extreme Heat Information Portal

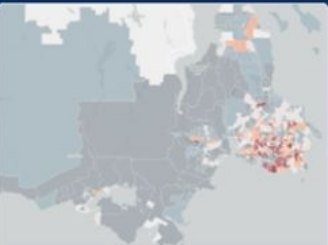
[Access Regional Heat Map](#)

[Learn More](#)

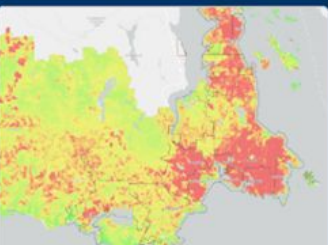
CRD Regional Heat Map



Demographic Vulnerability Index



Building Vulnerability Index



Heat Exposure - Land Surface Temperature

About

The **Demographic Vulnerability Index** allows planners and residents to explore and understand community factors that influence extreme heat exposure. The index considers factors such as age, income, and health conditions due to chronic diseases (2023).

Demographic Vulnerability Index

The **Demographic Vulnerability Index** identifies areas with the highest concentration of demographic factors that increase the risk of heat-related health issues. These areas are characterized by high income, low education, and low demographic availability. Occurrence of heat-related health issues is highest in these areas.

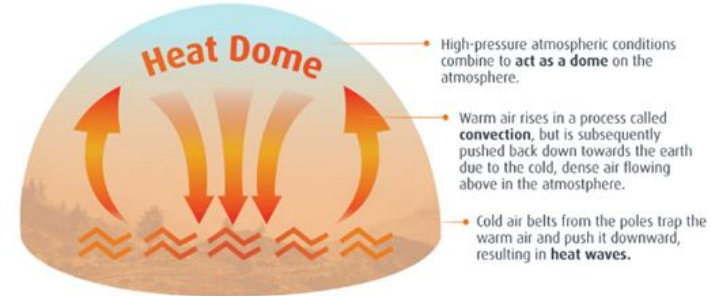
Learn more about how to prepare yourself and

What is extreme heat?

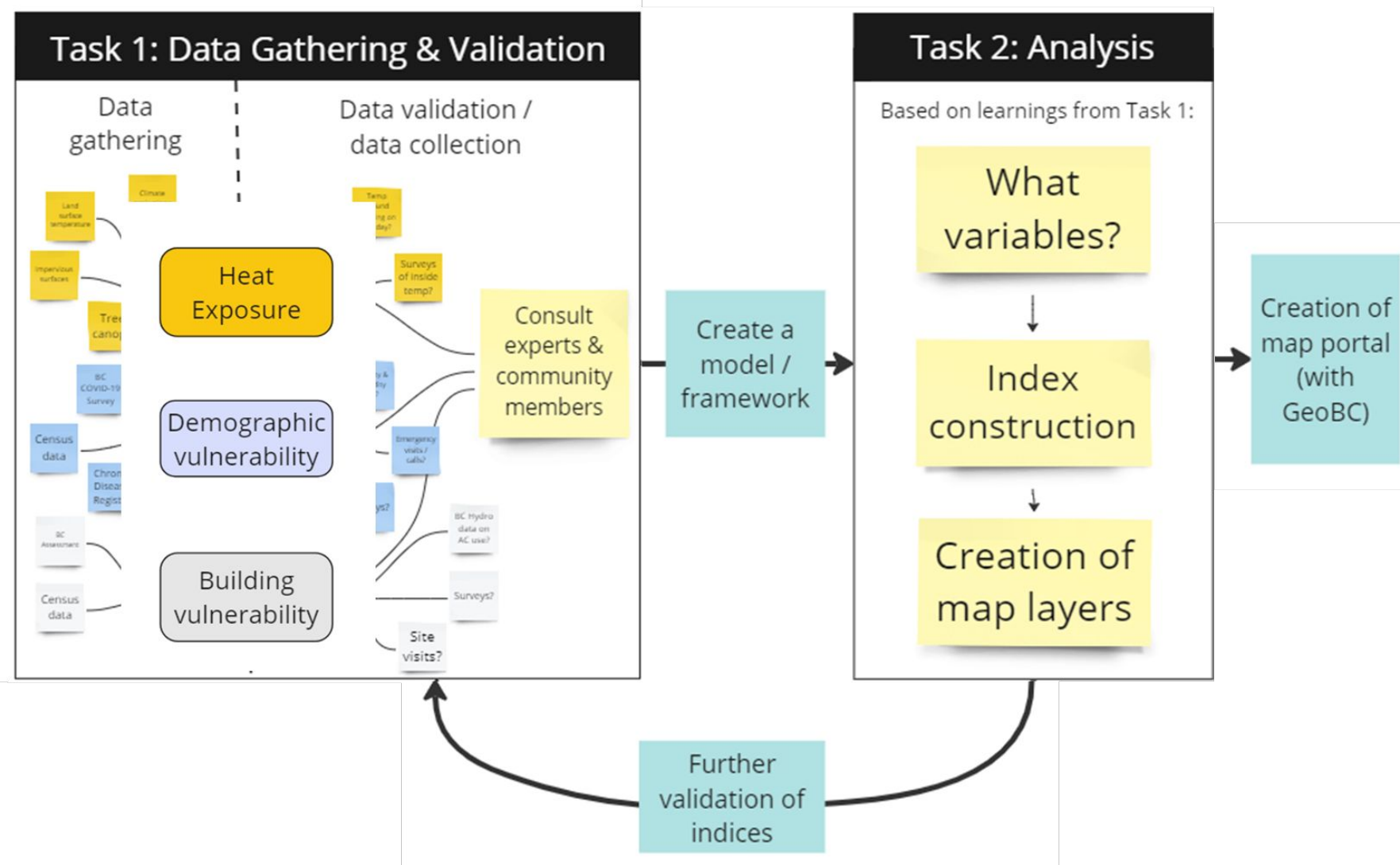
The BC Centre for Disease Control defines extreme heat as summertime temperatures that are hotter and/or more humid than average for a particular location. For the capital region, a heat warning is issued when two or more consecutive days of daytime maximum temperatures are expected to reach 29°C or warmer, and nighttime minimum temperatures are not expected to fall below 16°C.^{iv}

What is a heat dome?

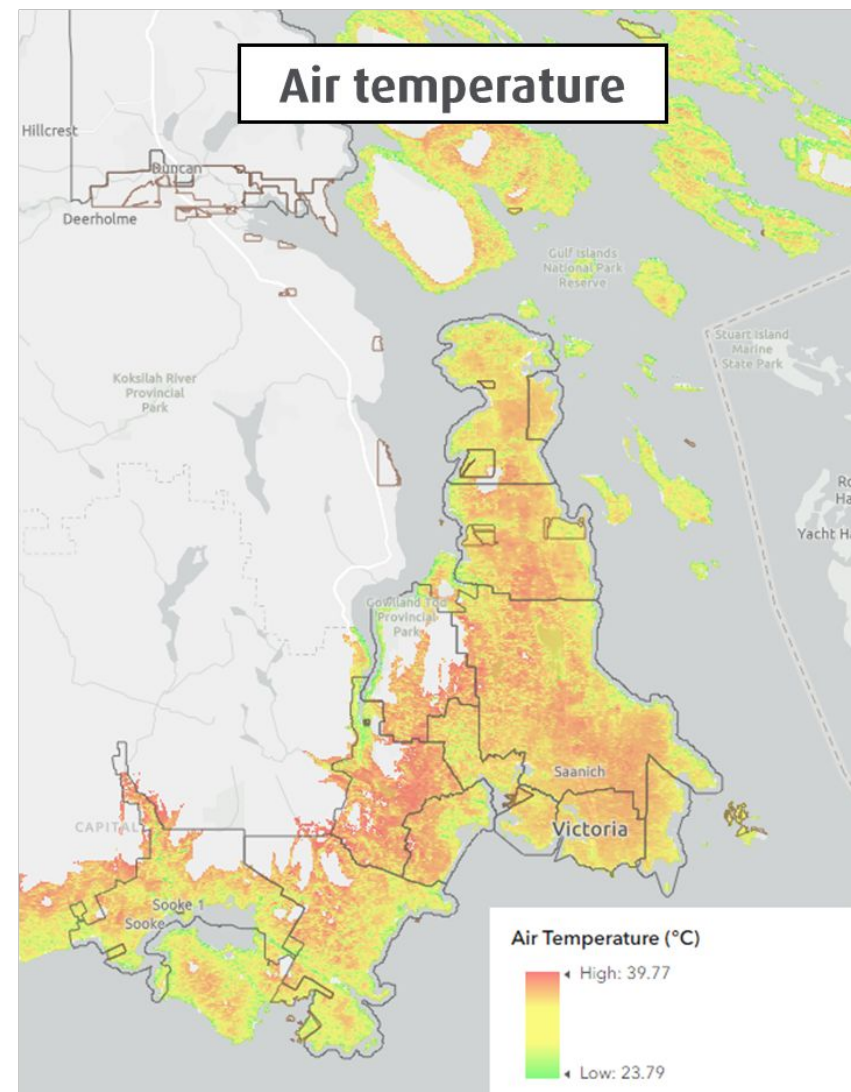
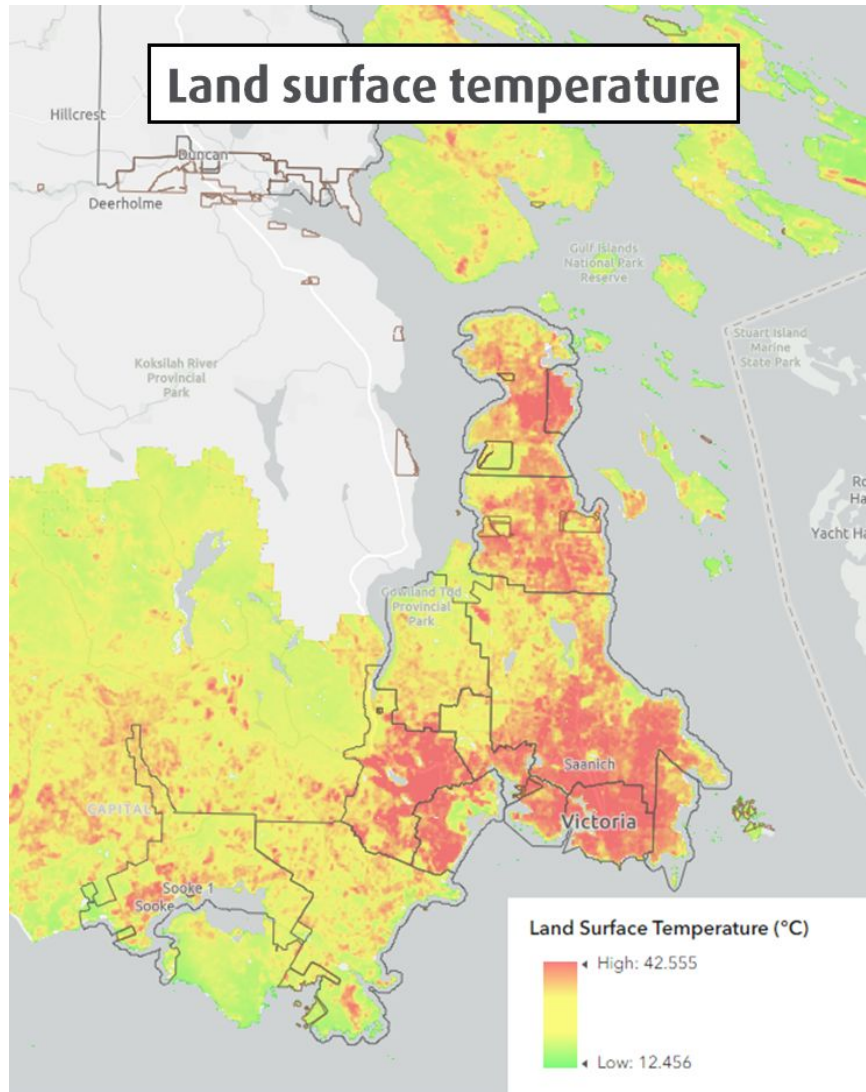
A heat dome is an extreme heat event occurring when a high-pressure system traps heat near the surface of the earth.



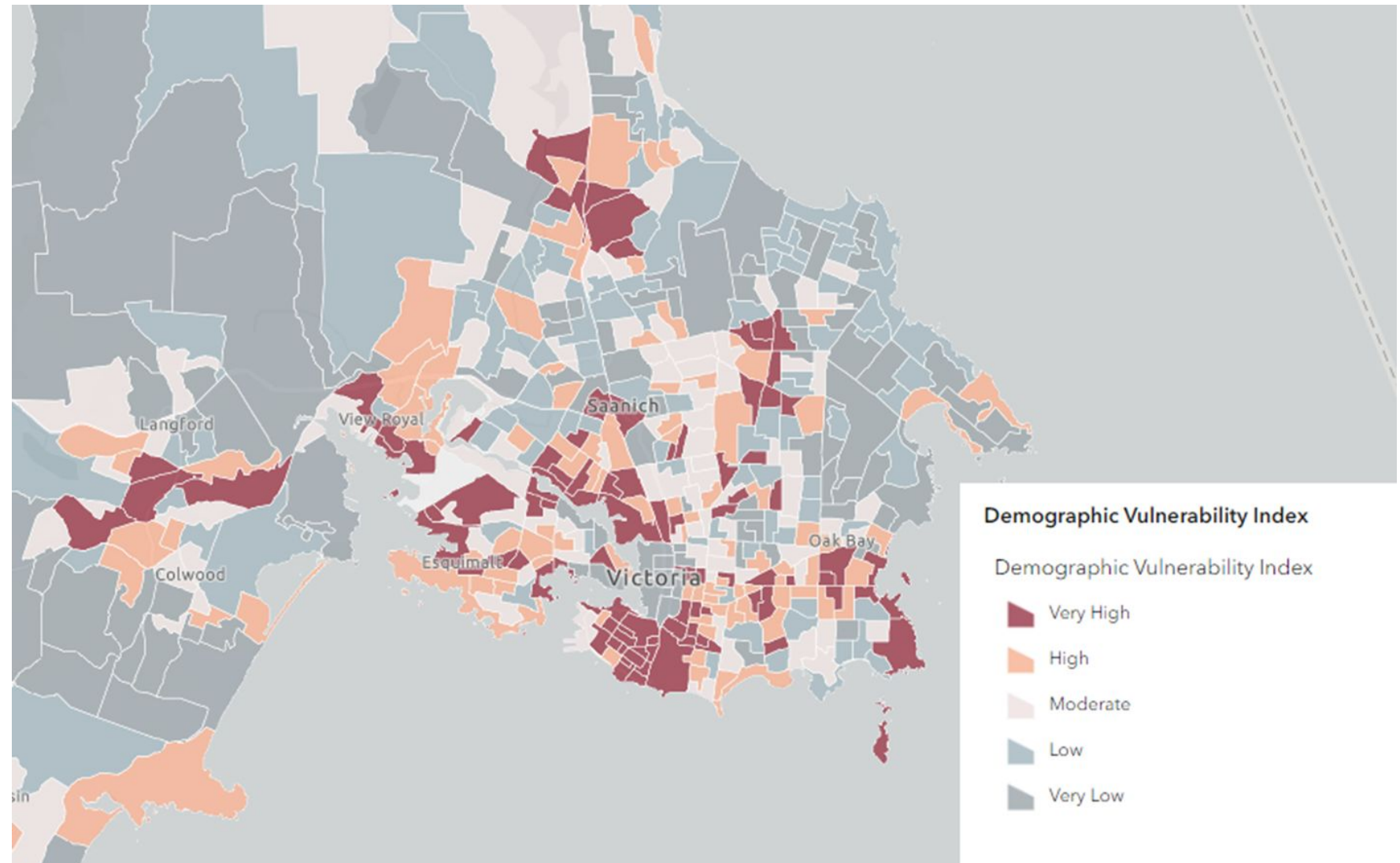
Project Scoping



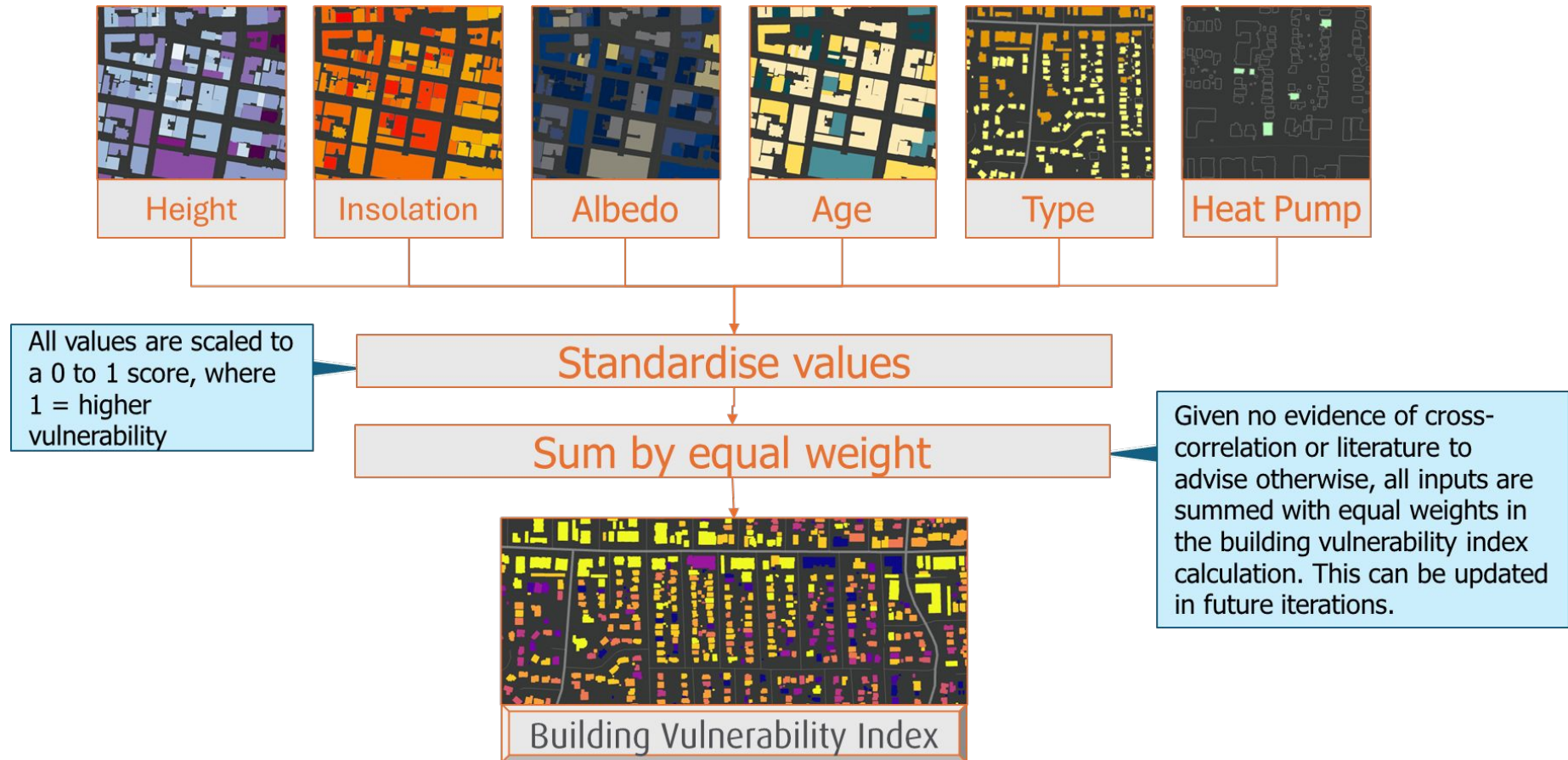
Heat Exposure



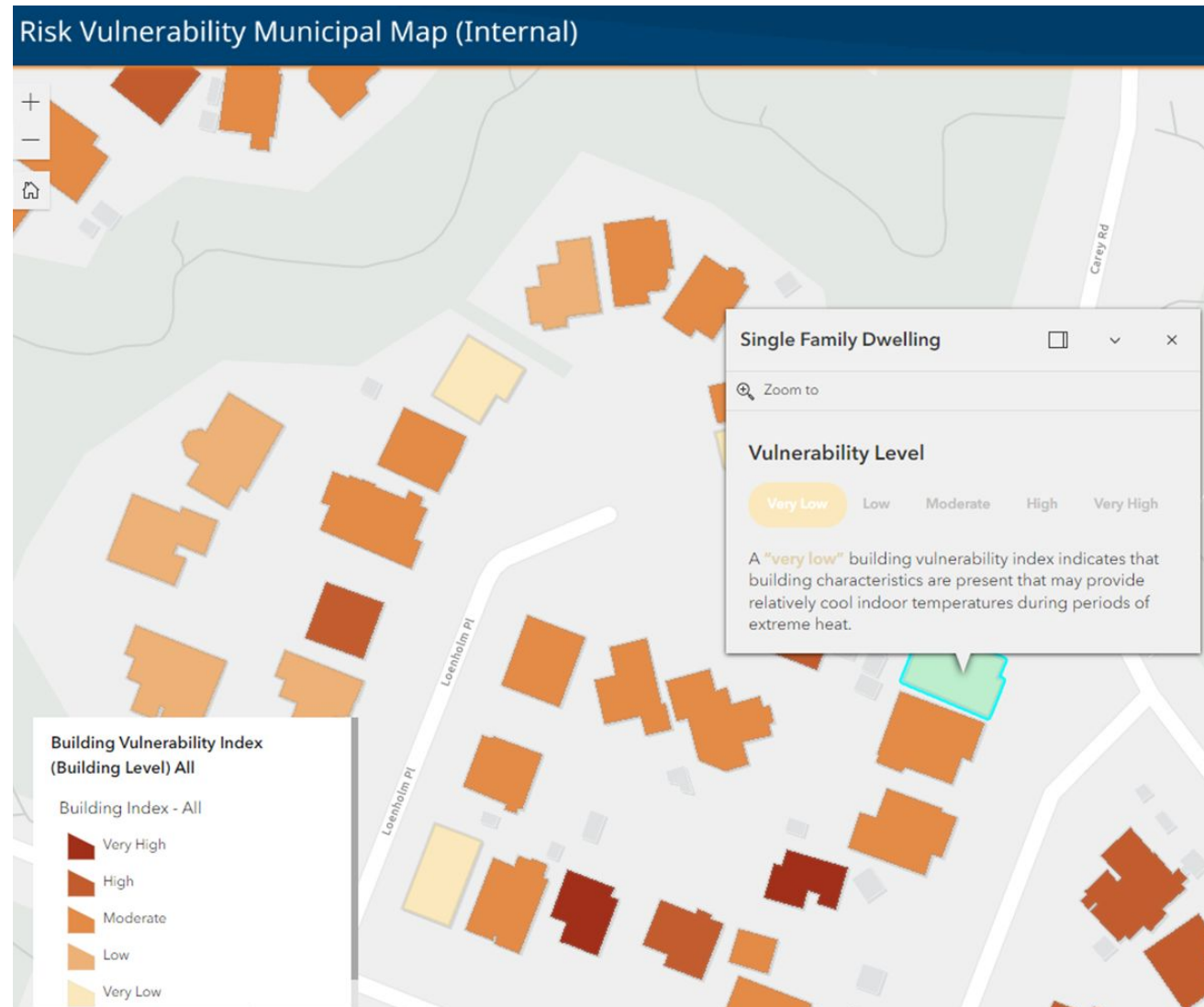
Demographic Vulnerability



Building Vulnerability



Building Vulnerability



Portal shows capital region areas most vulnerable to extreme heat

Heat-exposure maps show urban heat islands — high concentrations of people, roads and buildings that make an area hotter— canopy cover of trees and elevation levels where ocean breezes can have a cooling effect



[Darron Kloster](#)
Apr 12, 2024 2:40 AM

CRD portal integrates heat disaster risk reduction, climate planning

A 2021 heat wave claimed more than 700 lives in B.C., 24 of them in the Capital Region

News Staff Victoria
Apr 11, 2024 11:00 AM



The Capital Regional District hosts an online extreme heat information portal hosts information and maps to help residents and municipal planners in the 13 communities it serves. (Black Press Media file photo)

Greater Victoria projected to face worse heat waves, more extreme rain

Report produced for Capital Region maps out local temperature, precipitation by 2050 and beyond

Jake Romphf
Mar 26, 2024 5:30 AM



The Capital Region will see more extreme rain events during the colder months as drought periods lengthen during increasingly hot summers, according to a report outlining climate projections for the region. Pictured is waves washing over Dallas Road and storm watchers in Victoria on Jan. 9, 2024. (Jake Romphf/News Staff)

Thank you to our Sponsors!

