

How much rain 🌧️  
can you harvest  
in Vancouver?

Could it help prevent  
🔥 wildfire damage?



Let's look at the last 30 years of data for Vancouver to see what the driest and wettest years were. We might be surprised by what we find.

Most homes, even in arid environments, do not put their rainwater to productive use. They let it run off the property, straight out to the ocean.

There is an opportunity to integrate **rainwater harvesting** into the design of new homes in Vancouver.



The driest year in  
Vancouver in the last  
30 years was:



**1,670 mm**  
(65.74 inches)

The wettest year in  
Vancouver in the last  
30 years was:



**2,646 mm**  
(104.17 inches)

This translates to:

**150,300 litres**

(39,553 gallons) of  
harvest / 1000 sq. feet of  
roof in the driest year

**238,140 litres**

(62,668 gallons) of  
harvest / 1000 sq. feet of  
roof in the wettest year



The average home size in Vancouver is:



**2,200 sq. feet**

This translates to:

**330,660 litres**

(87,016 gallons) in  
the driest year

**523,908 litres**

(137,871 gallons) in  
the wettest year

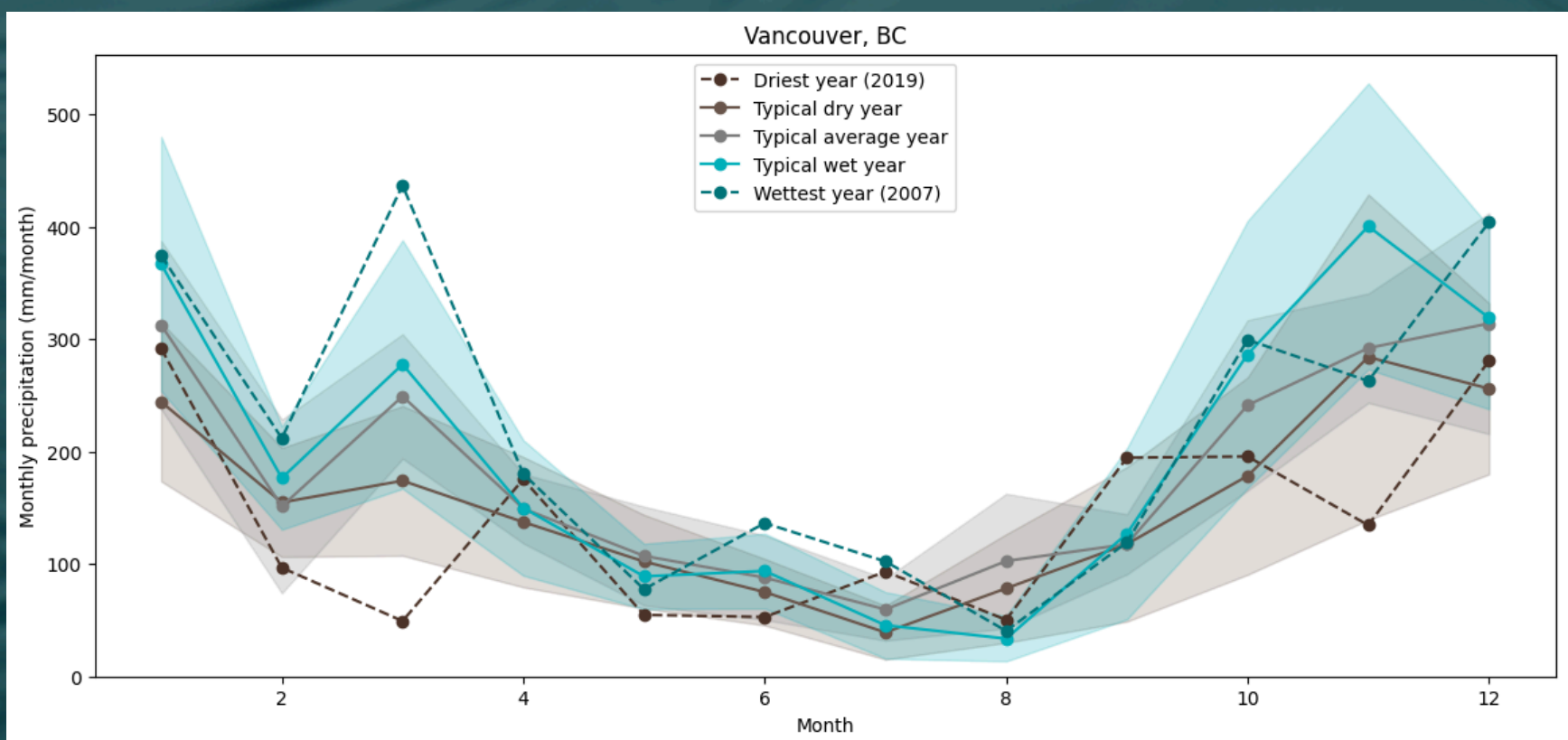
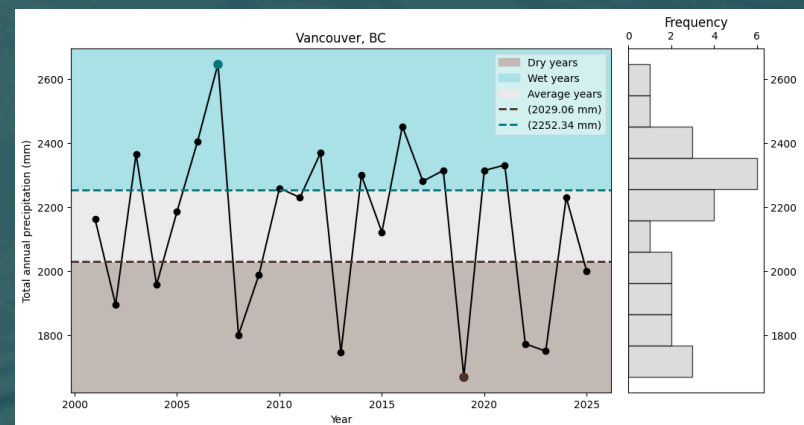
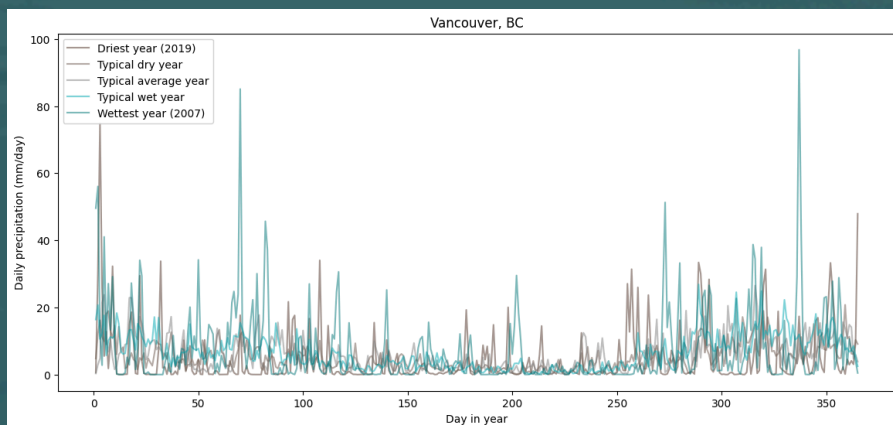


If we combined rainwater harvesting with a property-wide greywater reuse strategy, fire-resistant landscaping and fire-resistant building materials, we could bring the fire risk down substantially.

Greywater could be used to keep the fire-resistant landscape green and non-flammable year-round, and the rainwater could be stored for wildfire season as a backup measure.



Below are some charts the 5th World Data team put together to help understand the opportunity.





If you are in Vancouver and you are a building professional who wants to integrate these systems into your designs, please reach out at **[www.5thworld.com/contact/](http://www.5thworld.com/contact/)**