

How much rain 🌧️
can you harvest
in Kamloops?

Could it help prevent
🔥 wildfire damage?

Let's look at the last 30 years of data for Kamloops 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 Kamloops.

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



353 mm
(13.89 inches)

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



546 mm
(21.49 inches)

This translates to:

31,770 litres

(8,361 gallons) of
harvest / 1000 sq. feet of
roof in the driest year

49,140 litres

(12,932 gallons) of
harvest / 1000 sq. feet of
roof in the wettest year

The average home size in Kamloops is:



2,100 sq. feet

This translates to:

66,717 litres

(17,557 gallons) in
the driest year

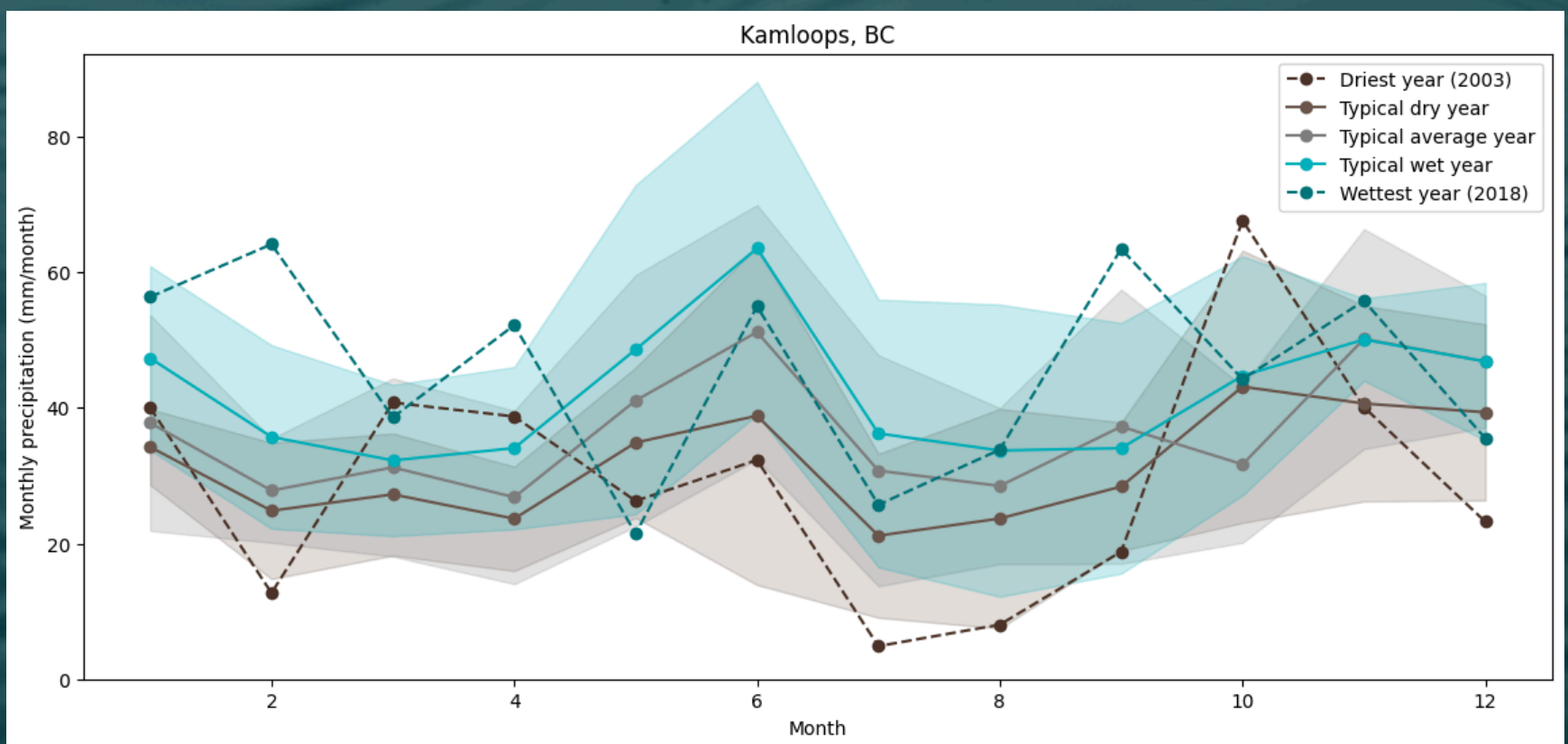
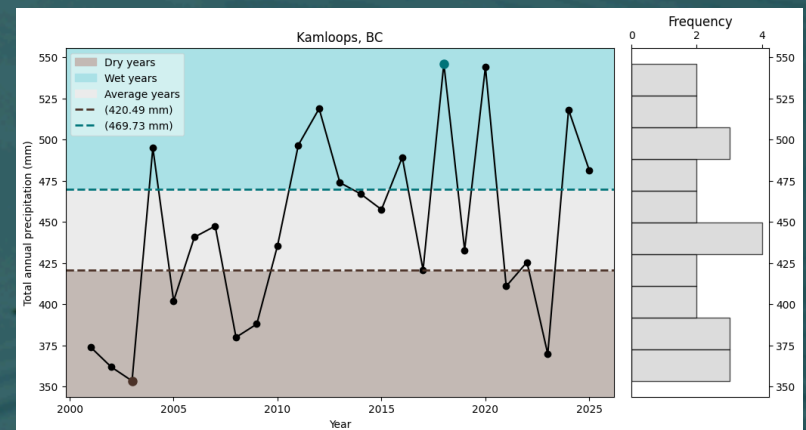
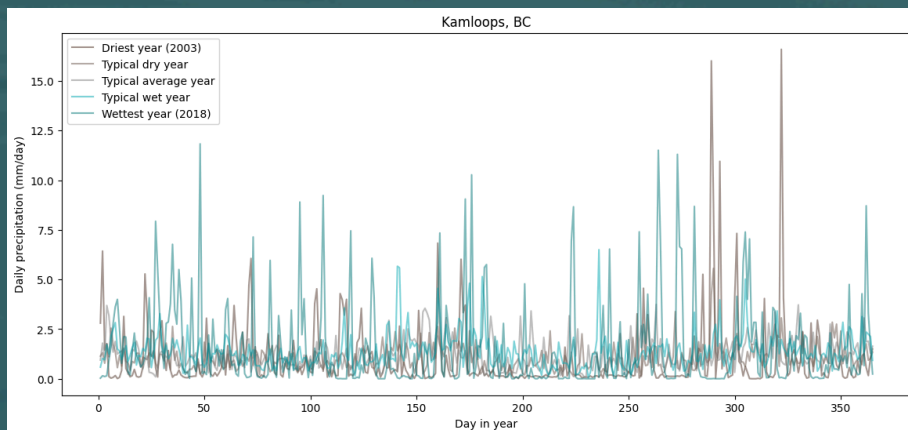
103,194 litres

(27,156 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 Kamloops and you are a building professional who wants to integrate these systems into your designs, please reach out at **www.5thworld.com/contact/**