

How much rain 🌧️ can
you harvest in Puerto
Vallarta, Mexico?

Could it help prevent
🔥 wildfire damage?

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

The driest year in
Puerto Vallarta in the
last 30 years was:



936 mm
(36.85 inches)

The wettest year in
Puerto Vallarta in the
last 30 years was:



1,796 mm
(70.71 inches)

This translates to:

84,240 litres

(22,168 gallons) of
harvest / 1000 sq. feet of
roof in the driest year

161,640 litres

(42,537 gallons) of
harvest / 1000 sq. feet of
roof in the wettest year

The average home size in Puerto Vallarta is:



1,000 sq. feet

This translates to:

84,240 litres

(22,168 gallons) in
the driest year

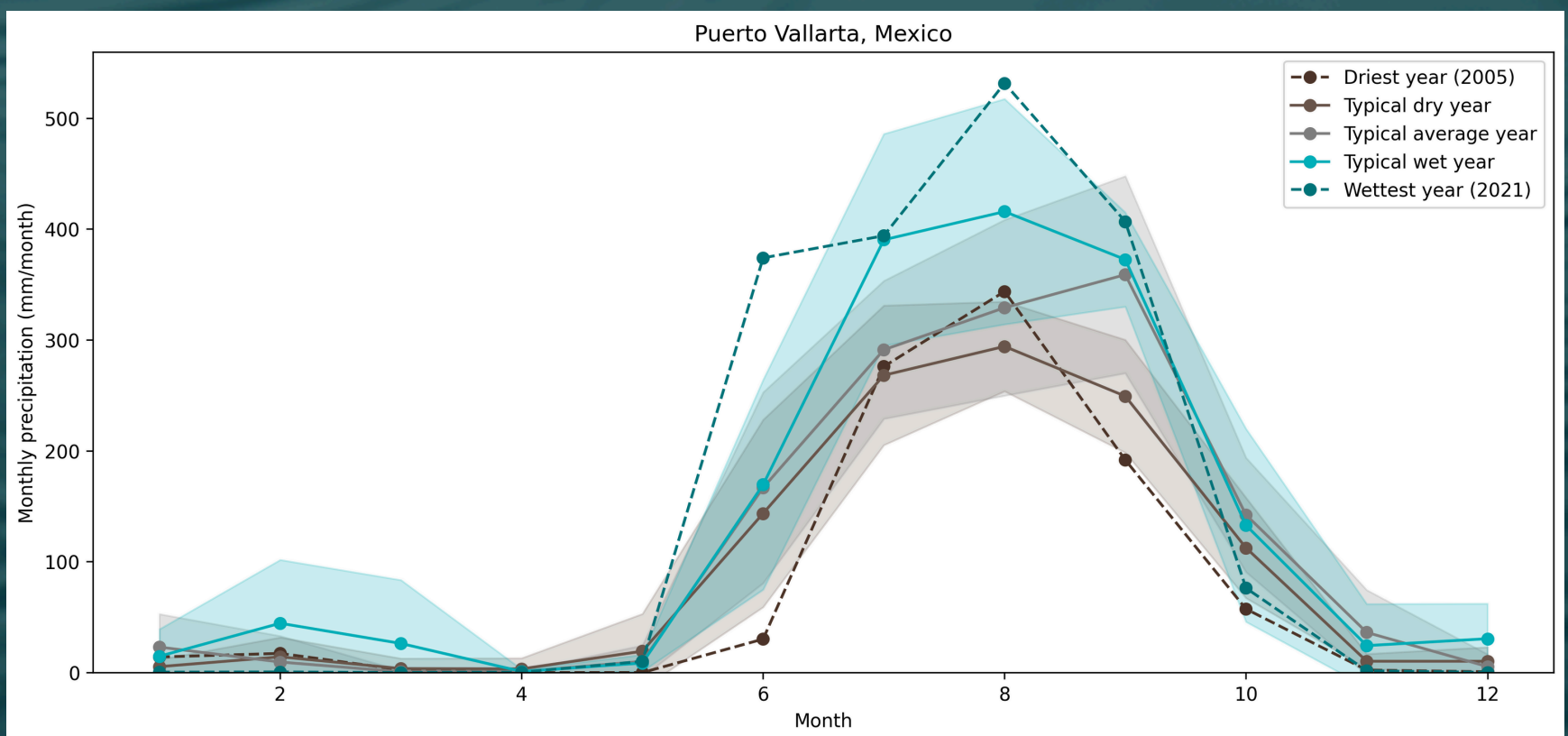
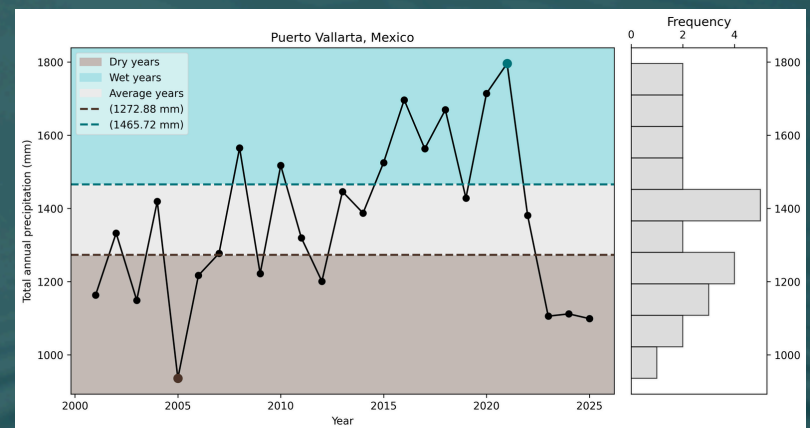
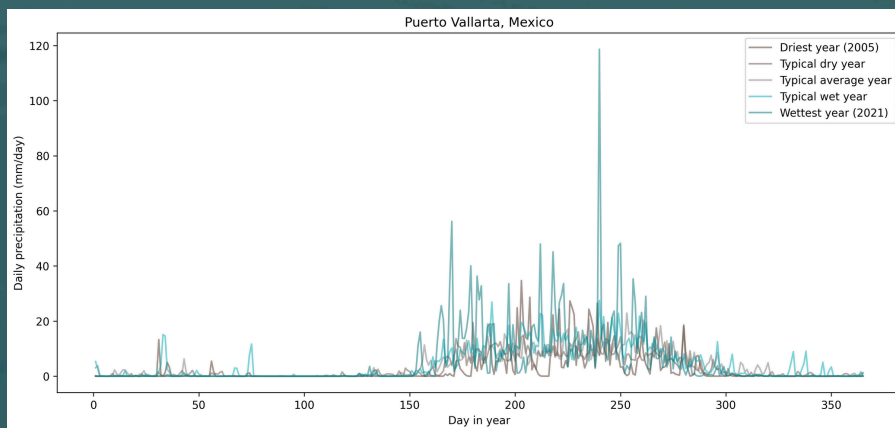
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If we combined rainwater harvesting with a property-wide greywater reuse strategy, fire-resistant landscaping and fire-resistant building materials, we could bring the fire risk down substantially.

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