How much rain 🌧️ can you harvest in Whistler?

Could it help prevent 🔥 wildfire damage?

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Let’s look at the last 30 years of data for Whistler 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 Whistler.

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

1,453 mm
(57.20 inches)

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

2,371 mm
(93.34 inches)

This translates to:

130,770 litres
(34,413 gallons) of harvest / 1000 sq. feet of roof in the driest year

213,390 litres
(56,155 gallons) of harvest / 1000 sq. feet of roof in the wettest year

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The average home size in Whistler is:

2,000 sq. feet

This translates to:

261,540 litres
(68,826 gallons) in
the driest year

426,780 litres
(112,311 gallons) in
the wettest year

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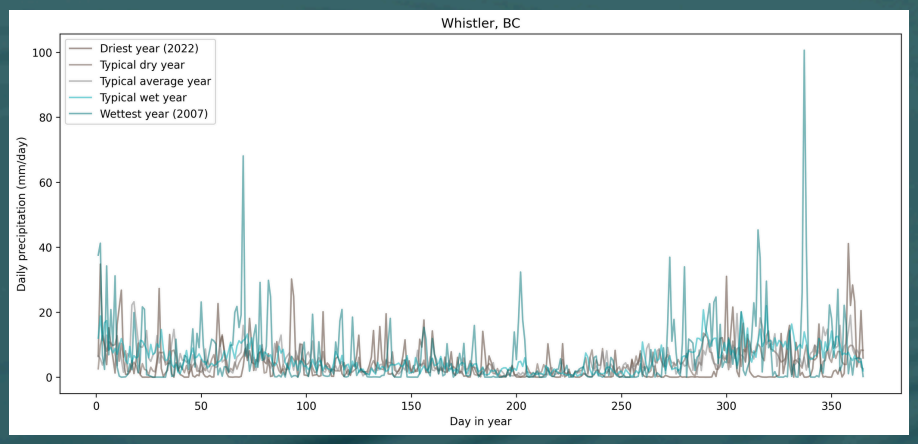
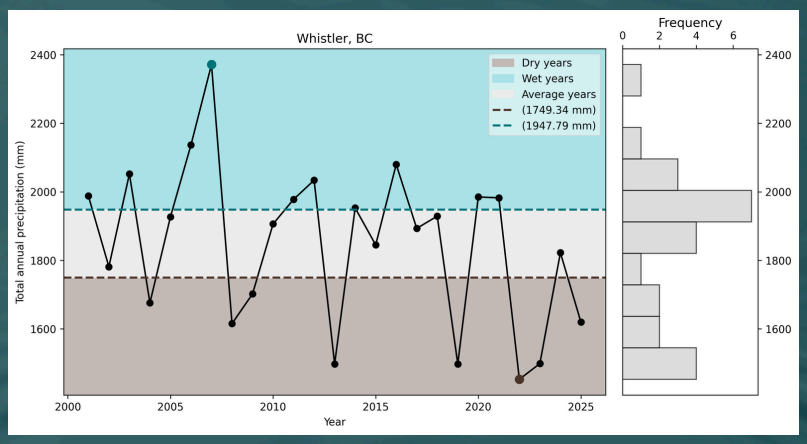
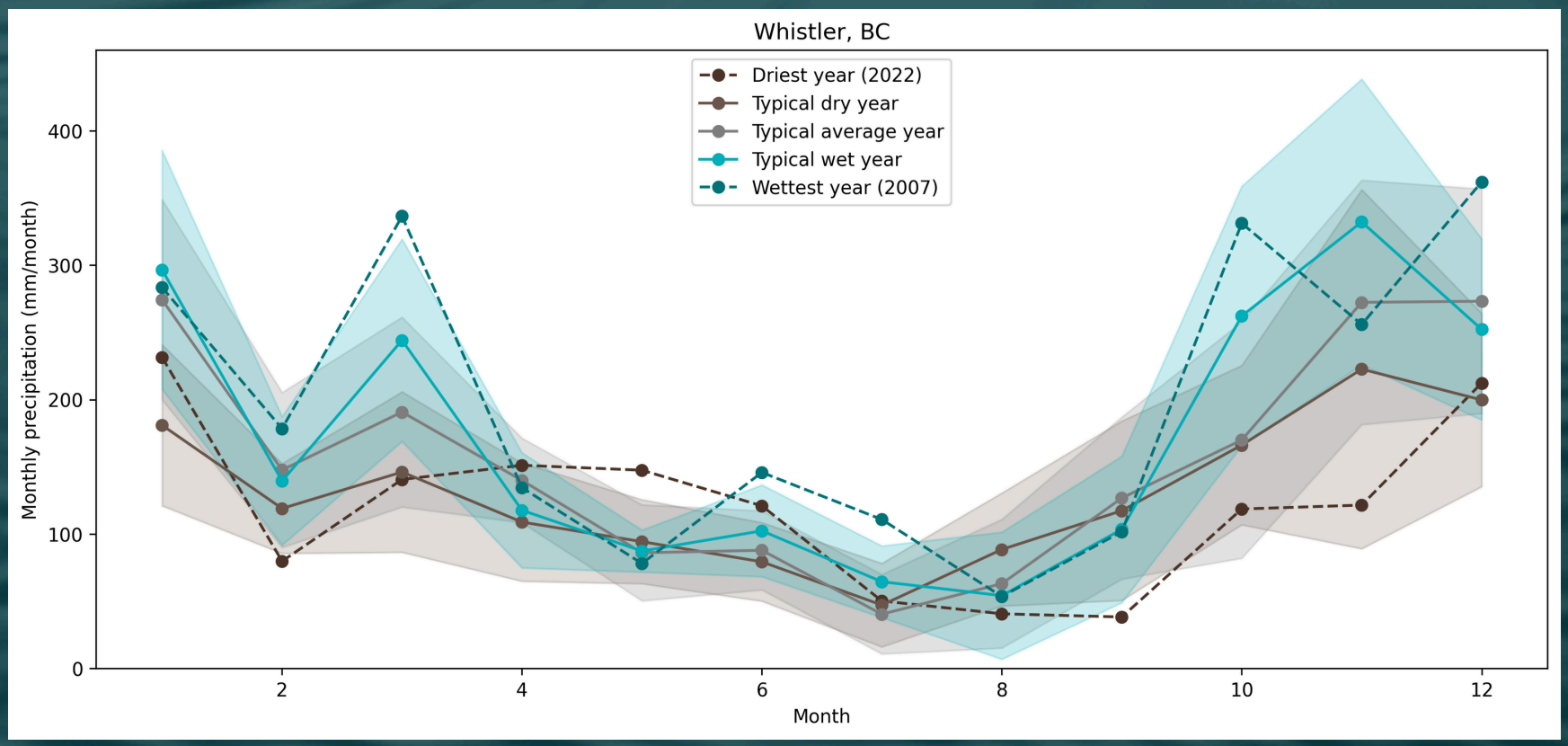
If we combined rainwater harvesting with a property-wide greywater reuse strategy, fire-resistant landscaping and fire-resistant building materials, we could bring the fire risk down substantially.

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.







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