

# INCREASING **PRECIPITATION** AND WHAT THIS MEANS FOR TORONTO

## More precipitation and extreme weather events

### ANNUAL PRECIPITATION

Measured in millimetres (mm)  
% change compared to 1971-2000



1971-2000	<b>795 mm</b>
2015-2040	<b>840 mm</b> (+6%)
2041-2070	<b>875 mm</b> (+10%)
2071-2100	<b>921 mm</b> (+16%)

### WETTEST DAY

Measured in millimetres (mm)  
% change compared to 1971-2000



1971-2000	<b>37 mm</b>
2015-2040	<b>41 mm</b> (+11%)
2041-2070	<b>44 mm</b> (+17%)
2071-2100	<b>48 mm</b> (+27%)

### EXTREME 24-HR STORMS

**1% chance of occurring any year**

Measured in millimetres (mm)  
% change compared to 1974-2005



1974-2005	<b>98-102 mm</b>
~2015-2040	<b>110-121 mm</b> (+12-18%)
2041-2070	<b>121-127 mm</b> (+19-29%)
2071-2100	<b>130-149 mm</b> (+27-51%)

## EXAMPLES OF THE POTENTIAL IMPACTS OF PRECIPITATION IN TORONTO



Increased flooding  
and erosion



Increased damage  
to property and  
infrastructure  
(including basement flooding)



More frequent  
disruption to  
infrastructure  
and services



Increased risk to  
people's physical  
and mental health



Increased risk  
of water-borne diseases  
and other water-related  
health impacts



Increased costs to  
governments and  
residents for repair  
and recovery