

ICMP Hydraulic Model Scenarios

Model Run	Scenario			Rainfall Event					Climate Change ¹			Tide Level		Flood Maps			Scenario Application
	Current	2031 ²	2060	2yr ³	5yr	10yr	50yr	100yr	None	Mean	Extreme	MHWS ⁴	Extreme	LOS	Deep Flood ⁵	Hazard	
1	✓			Actual					✓			Actual		✓			Model confidence
2	✓			✓					✓			✓		✓			Current infrastructure capacity
3	✓				✓				✓			✓		✓			Current infrastructure capacity
4	✓					✓			✓			✓		✓			Current infrastructure capacity
5	✓						✓		✓			✓			✓		Current potential habitable floor flooding
6	✓							✓	✓				1 in 2yr			✓	Current Emergency planning
7		✓				✓			✓			✓		✓			2031 Infrastructure capacity
8		✓				✓				✓		✓		✓			2031 Infrastructure capacity
9		✓				✓					✓	✓		✓			2031 Infrastructure capacity
10		✓					✓			✓		✓			✓		2031 Potential habitable floor flooding
11			✓			✓				✓		✓		✓			2060 Infrastructure capacity
12			✓			✓					✓	✓		✓			2060 Infrastructure capacity
13			✓				✓			✓		✓			✓		2060 Potential habitable floor flooding
14			✓					✓			✓		1 in 20yr			✓	2060 Emergency planning

¹ For the same year associated with 'Scenario'

² Assumes 2031 population with maximum allowable development/imperviousness

³ 2.33 yr ARI, representing the 'mean annual flood' event

⁴ Mean high water springs (MHWS)

⁵ Only shows flooding > 300 mm deep