

# Catapult Climate Risk Assessment

This document outlines the climate change risks that Catapult may face as a business due to rising global temperatures.

## PURPOSE

Catapult conducted a climate risk assessment to identify risks, inform adaptation planning, and to meet the requirements of being a signatory to the Climate Leaders Coalition.

## BACKGROUND

Warming of the climate system, driven by anthropogenic (caused by human activity) greenhouse gas emissions, is unequivocal (IPCC, 2022).

As part of the Climate Change Response (Zero Carbon) Amendment Act 2019, the New Zealand Government will carry out:

- A national climate change risk assessment<sup>1</sup> every six years
- A national adaptation plan, produced two years after each risk assessment
- Monitoring implementation of the national adaptation plan, to ensure accountability

## CATAPULT'S OVERALL ASSESSMENT

The New Zealand National Climate Change Risk Assessment<sup>2</sup> identifies risks across 5 main domains. Catapult's overall assessment of risks in the five domains is reported below:

Domain	Risk Level Present	Risk Level 2030	Risk Level 2050
Natural Environment	N/A	N/A	N/A
Human	L	M	M
Economy	L	M	M
Built Environment	L	M	M
Governance	L	L	L

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<sup>1</sup> <https://environment.govt.nz/assets/Publications/Files/national-climate-change-risk-assessment-new-zealand-snapshot.pdf>

<sup>2</sup> <https://environment.govt.nz/assets/Publications/Files/national-climate-change-risk-assessment-main-report.pdf>

## CATAPULT'S RISK ASSESSMENT

The New Zealand National Climate Change Risk Assessment identifies 43 risks inside the five domains. The table below reports the risks relevant to Catapult and our assessment of the impact they will have on our business.

Domain	Risk	Present	2030	2050
Human	Risks to social cohesion and community wellbeing from displacement of individuals, families and communities, due to climate change impacts.	L	M	M
Human	Risks to physical health from exposure to storm events, heatwaves, vector-borne and zoonotic diseases, water availability and resource quality and accessibility, due to changes in temperature, rainfall and extreme weather events.	L	M	M
Human	Risks to mental health, identity, autonomy and sense of belonging and wellbeing from trauma, due to ongoing sea-level rise, extreme weather events and drought.	L	M	M
Economy	Risks to business from economic costs associated with lost productivity, disaster relief expenditure and unfunded contingent liabilities due to extreme events and ongoing, gradual changes.	L	M	M
Economy	Risks to business from supply chain and distribution network disruptions due to extreme weather events and ongoing, gradual changes.	L	L	L
Built environment	Risk to potable water supplies (availability and quality) due to changes in rainfall, temperature, drought, extreme weather events and ongoing sea-level rise.	L	M	M
Built environment	Risks to buildings due to extreme weather events, drought, increased fire weather and ongoing sea-level rise.	L	L	L
Built environment	Risks to electricity infrastructure due to changes in temperature, rainfall, snow, extreme weather events, wind and increased fire weather.	L	M	M
Governance	Risks to governments and businesses from climate change-related litigation, due to inadequate or mistimed climate change adaptation.	L	L	L

### KEY

Level	Definition
Low	Low likelihood of occurrence or/and human/economic impact
Moderate	Moderate likelihood of occurrence or/and human/economic impact
High	High likelihood of occurrence or/and human/economic impact