

Snapshot of climate change risks to Western Bay of Plenty

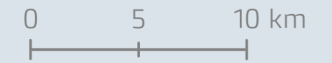


Figure 3.3: Snapshot of climate change risks to Western Bay of Plenty District

- Marae locations
- State highway
- Railway
- River and surface flooding
- Coastal flooding

Elements

Communities and settlements

Many settlements within WBOP are located at the coastal edge and may be exposed to increasing coastal hazards and rainfall related flooding.

Horticulture

The strong kiwifruit and avocado industry within WBOP may face reduced winter chill, drought and increasing damage from severe weather.

Agriculture

The low-lying peat soils within WBOP are prime livestock farming areas. These may face increasing rainfall related flooding.

Forestry

The forestry plantation within Matakana Island may face increasing damage from sea level rise and coastal erosion.

Marine ecosystems

Tauranga Harbour may experience increasing sedimentation, marine heatwaves and acidification. It is a critical nursery ground for key species that are highly sensitive to these issues.

Transport

State Highway 2 and the Ōmokoroa rail line are key regional transport routes that may face increased rainfall related flooding and coastal inundation.

Hazards

- | | |
|------------------------|-----------------|
| Marine heatwaves | Landslides |
| Increased temperature | Coastal hazards |
| Drought | Inland flooding |
| Increased fire weather | Extreme weather |

