

# Snapshot of climate change risks to Rotorua District



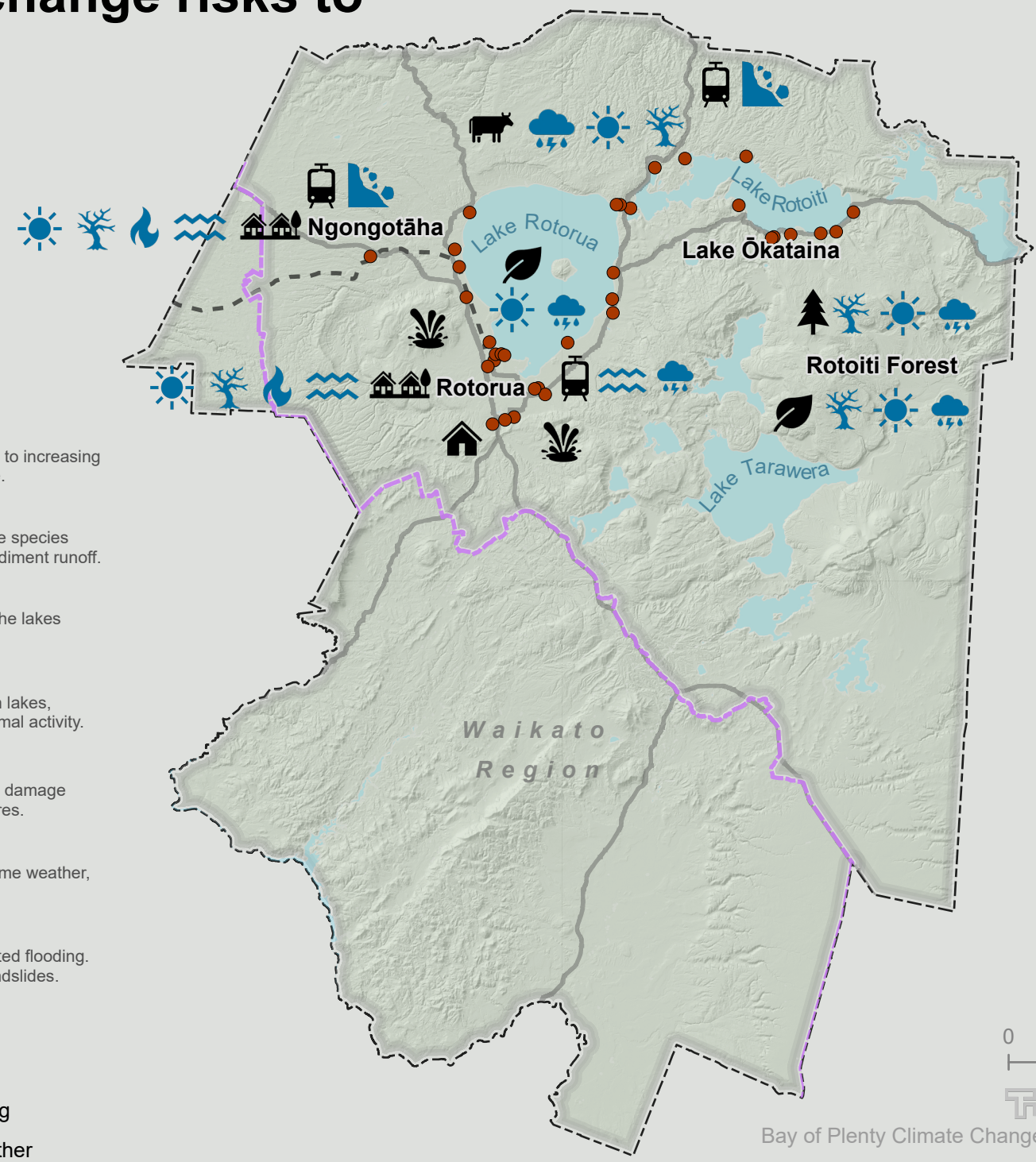
- Marae locations
- State highway
- - - Railway
- ▭ Regional boundary

## Elements at risk

- Communities and settlements**  
Lakeside settlements within the Rotorua District may be exposed to increasing rainfall related flooding, high groundwater levels, drought and fire.
- Native ecosystems**  
The many lakes of the district may experience increasing invasive species and reduced water quality due to increased temperatures and sediment runoff.
- Cultural heritage**  
Many marae are located near rivers and in low-lying areas near the lakes and may be exposed to increasing rainfall related flooding.
- Tourism**  
Rotorua's tourism may be impacted by worsening water quality in lakes, fire risk to forests and changing groundwater impacts on geothermal activity.
- Agriculture**  
Farms on hill country may face increased loss of productivity and damage from erosion, extreme events, drought and increasing temperatures.
- Forestry**  
Forestry may experience increasing damage from flooding, extreme weather, landslides, drought, and fire risk.
- Transport**  
Rotorua Airport may face increased disruption due to rainfall related flooding. State Highways may be exposed to increased disruption from landslides.

## Hazards

- |  |                        |  |                 |
|--|------------------------|--|-----------------|
|  | Increased temperature  |  | Landslides      |
|  | Drought                |  | Inland flooding |
|  | Increased fire weather |  | Extreme weather |



0 5 10 km



Bay of Plenty Climate Change Risk Assessment

\* This map does not represent a comprehensive identification of locations of hazards and elements at risk for the district.

Figure 5.3: Snapshot of climate change risks to Rotorua District