State of the environment

Monitoring and reporting in New Zealand

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Ministry for the Environment

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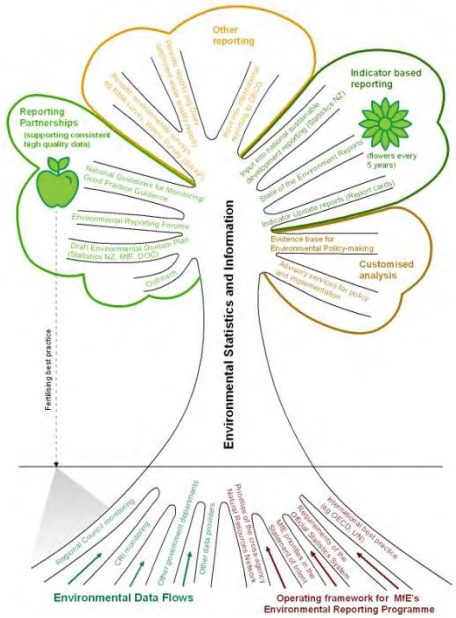
Manatū Mo Te Taiao

Overview

- National environmental reporting programme
- National environmental indicators
- Examples of recent state and trends

National environmental reporting programme



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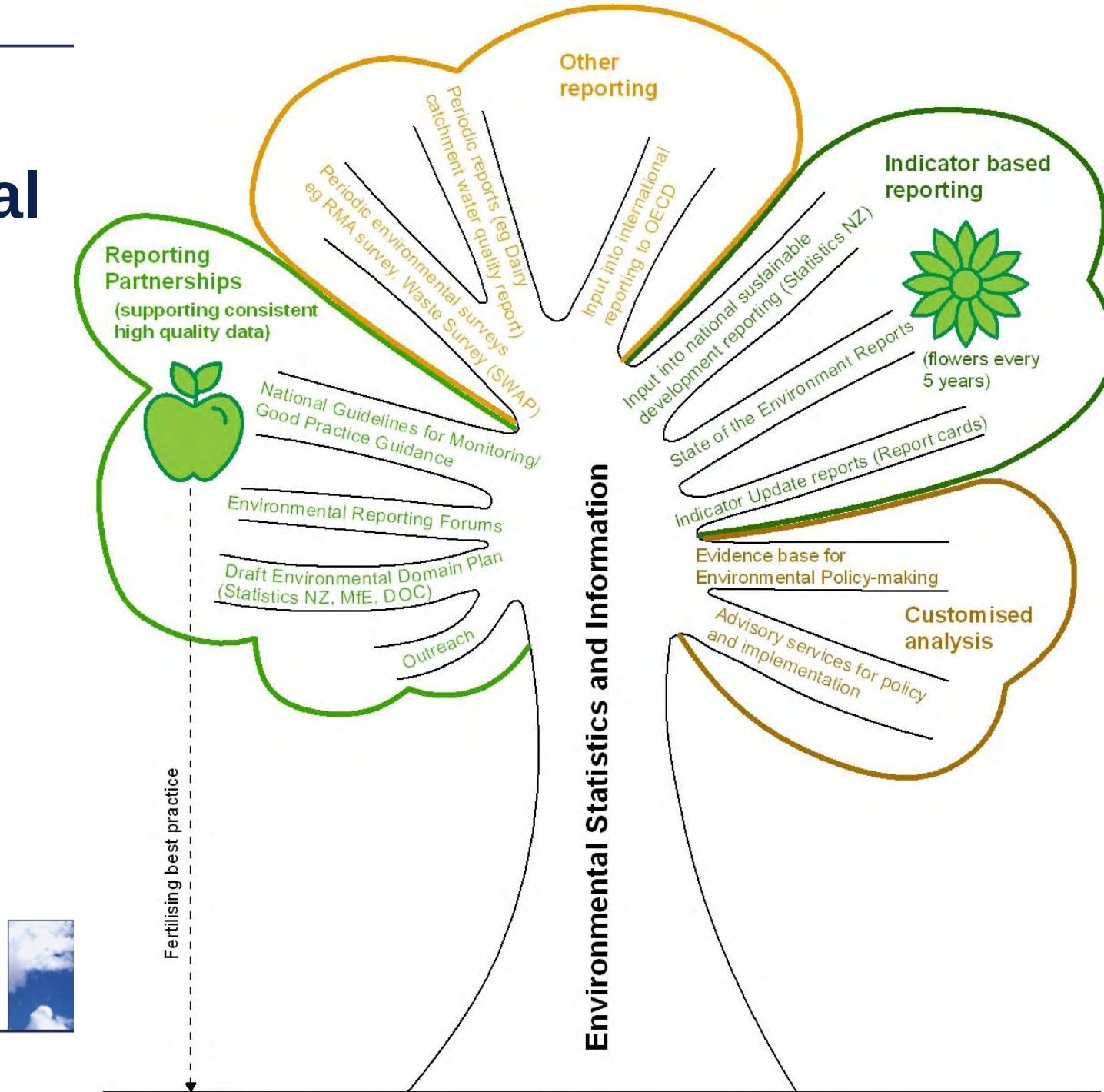


Programme objectives

- Provide accessible, high-quality information
- Report NZ's environmental performance internationally
- Support sustainable development reporting
- Improve the quality, consistency & coverage of environmental data in NZ

National state of the environment report - 2007

The national environmental reporting programme uses a core set of environmental indicators to provide cost-effective, practical and meaningful information on high-priority issues for the environment.

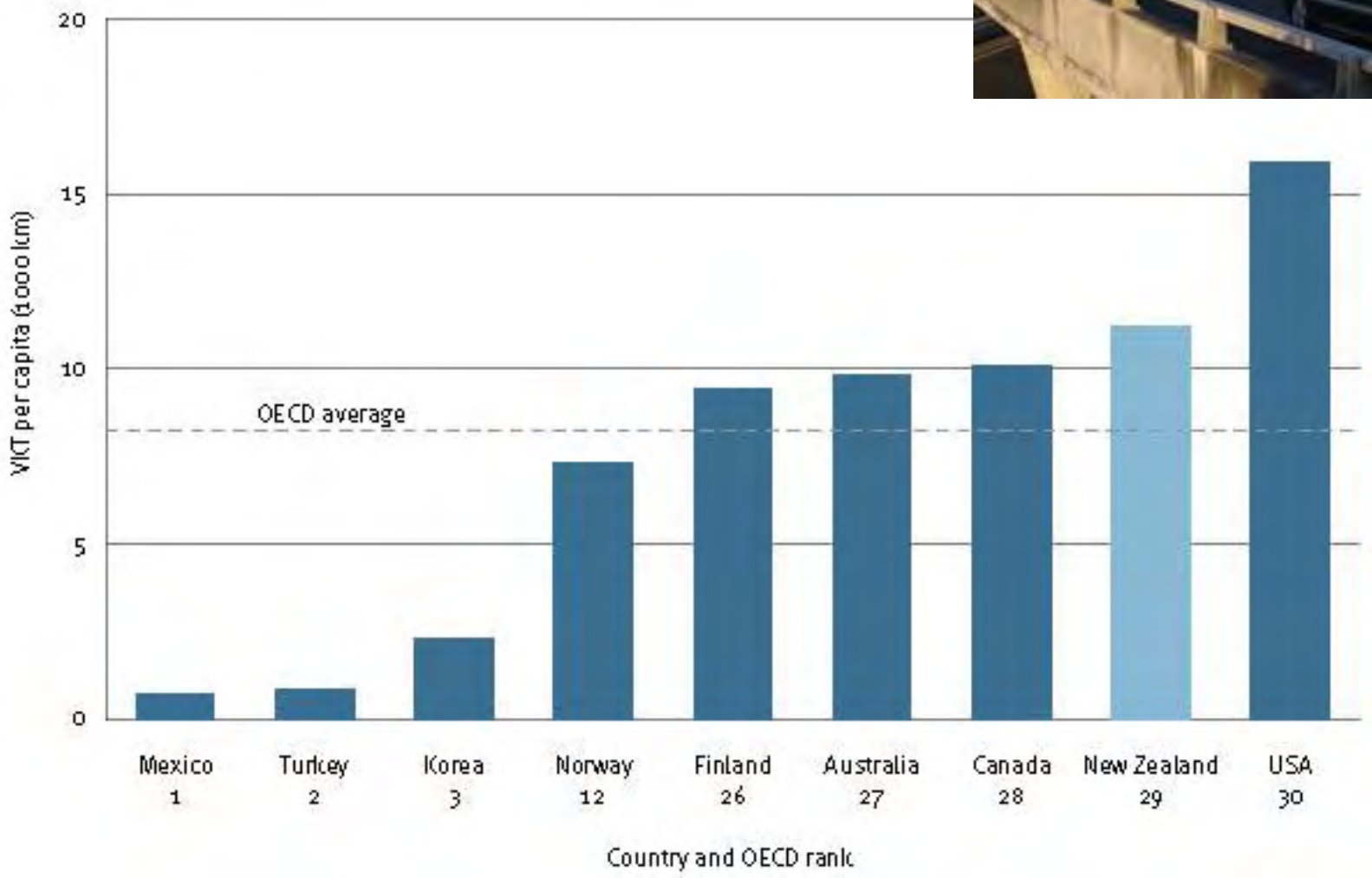
National Indicators (1)

Consumption	Household consumption expenditure
Transport	Vehicle-kilometres travelled (VKT)
Energy	Energy supply Energy demand
Waste	Solid waste disposal
Air	Air quality
Atmosphere	Greenhouse gases Stratospheric ozone
Land	Land cover Land use Soil health Erosion risk

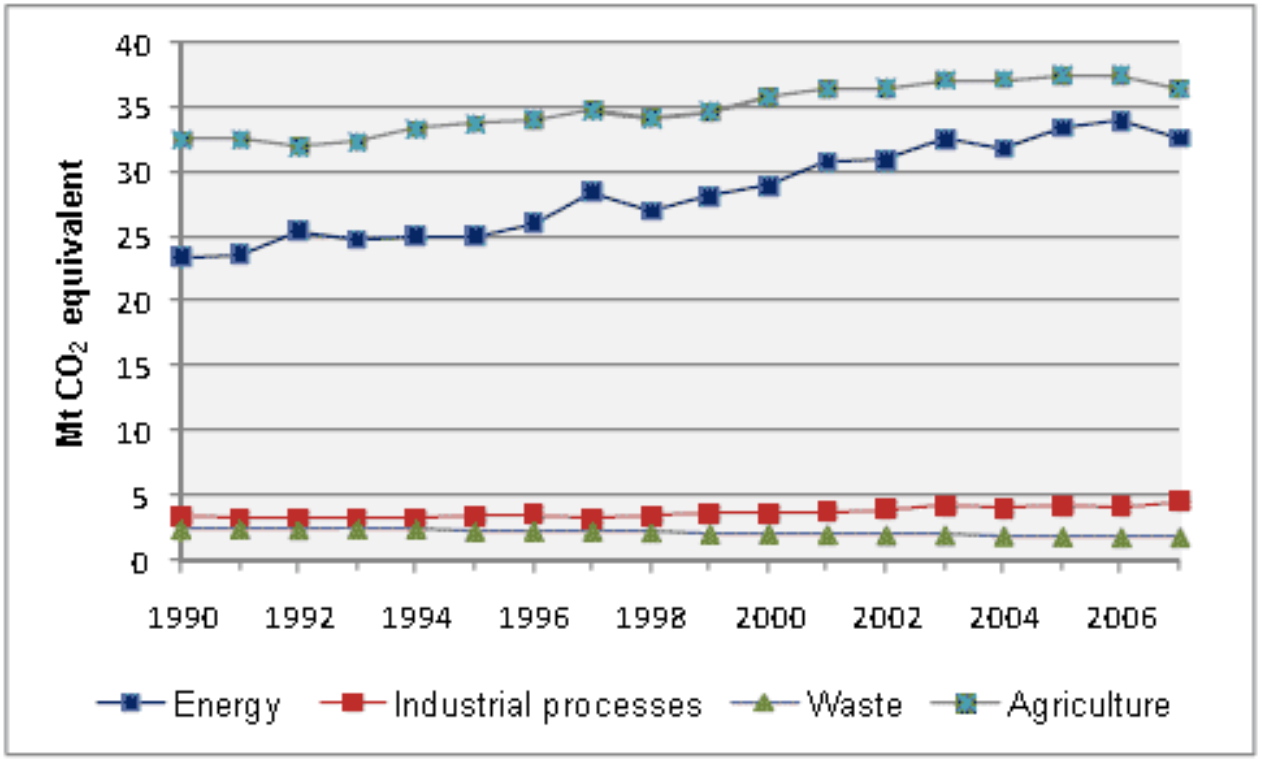
National indicators (2)

Fresh water	River water quality Lake water quality Groundwater quality Recreational water quality Freshwater demand
Oceans	Marine protected areas Fishing activity Recreational water quality
Biodiversity	Native land cover Indicator species

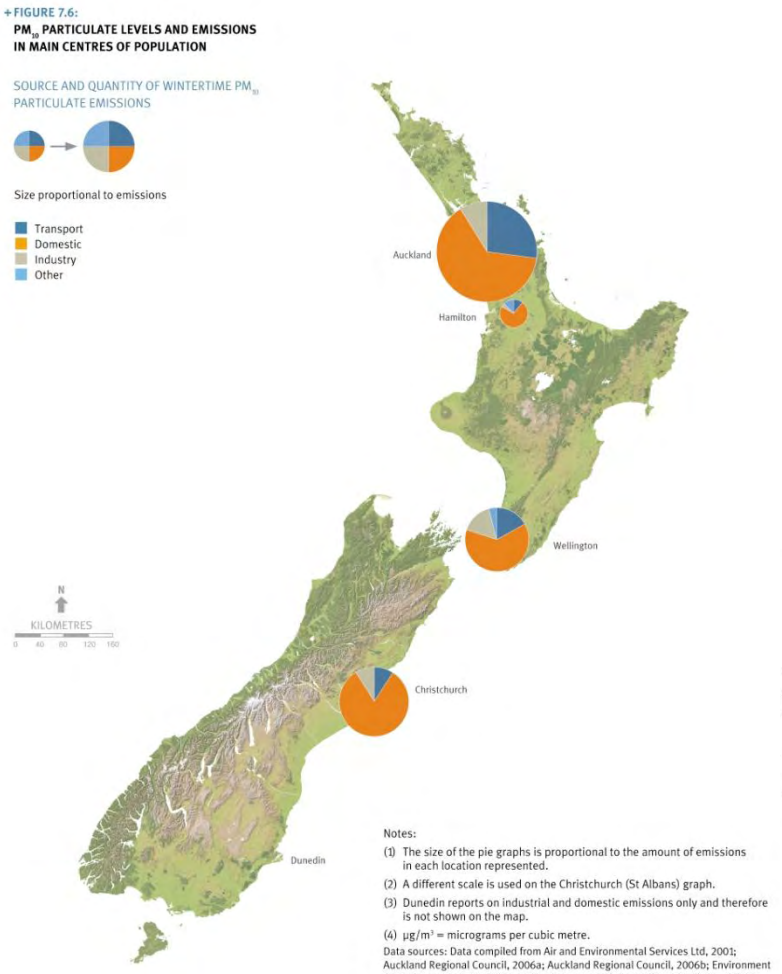
Vehicle Kilometres Travelled

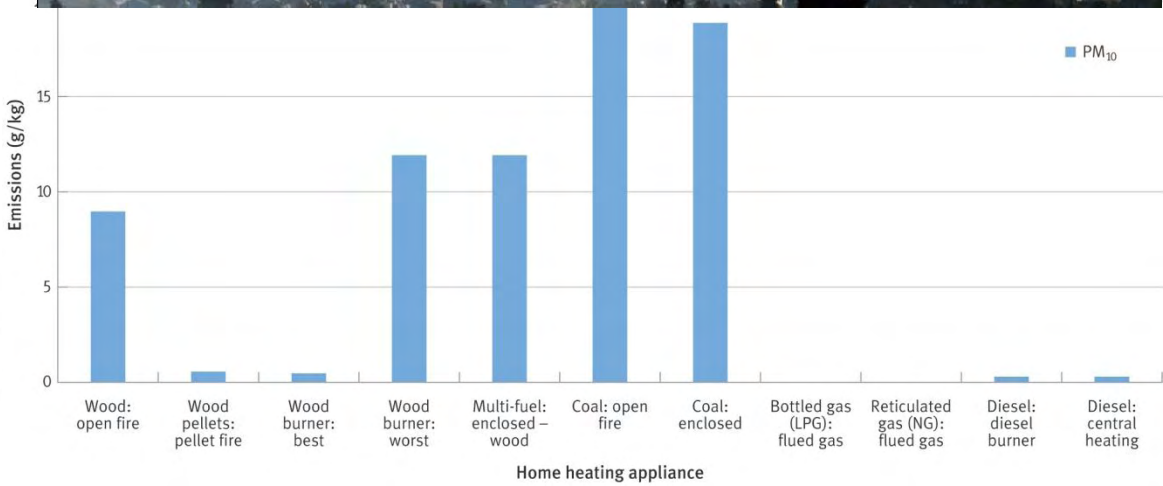


Greenhouse gas emissions

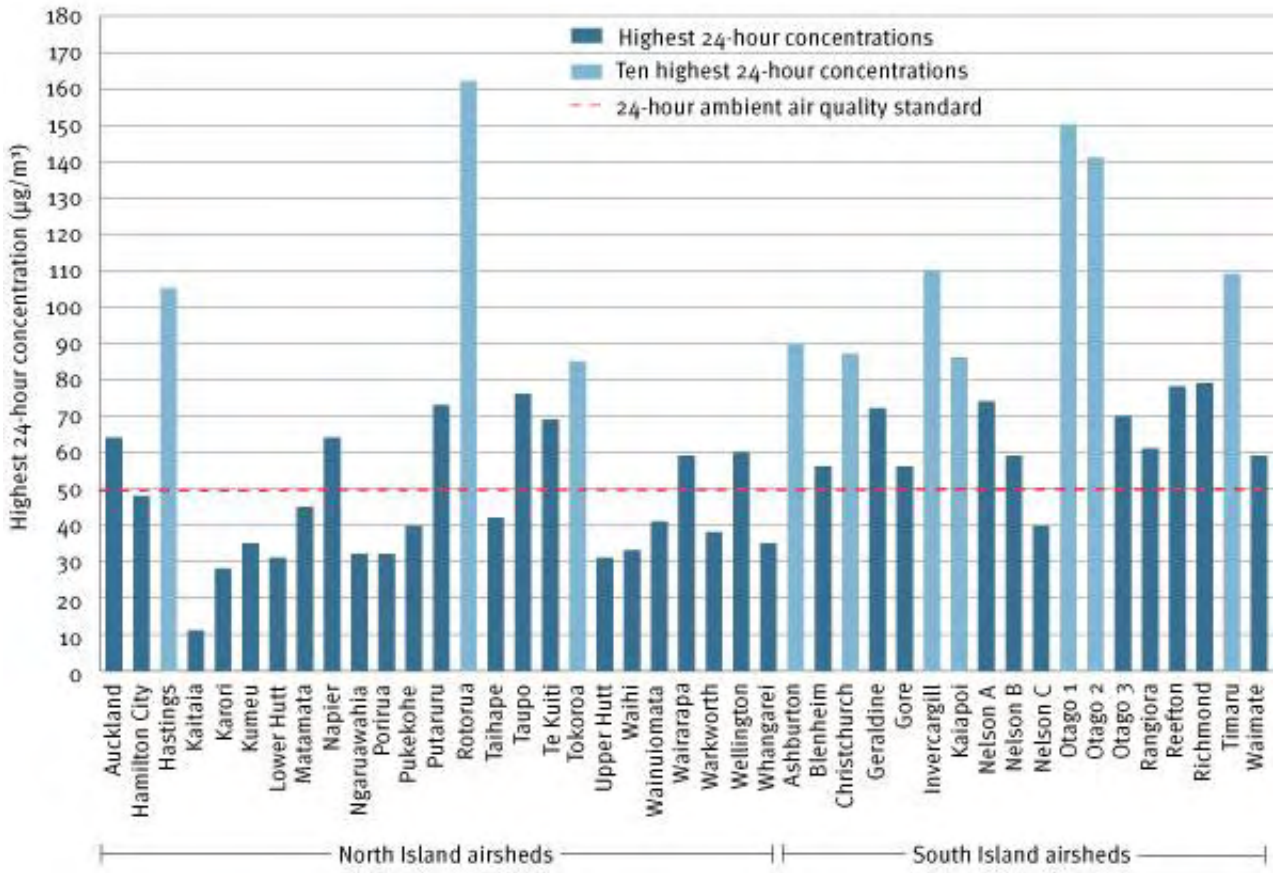


Air Quality – PM_{10}





Air quality – PM_{10}



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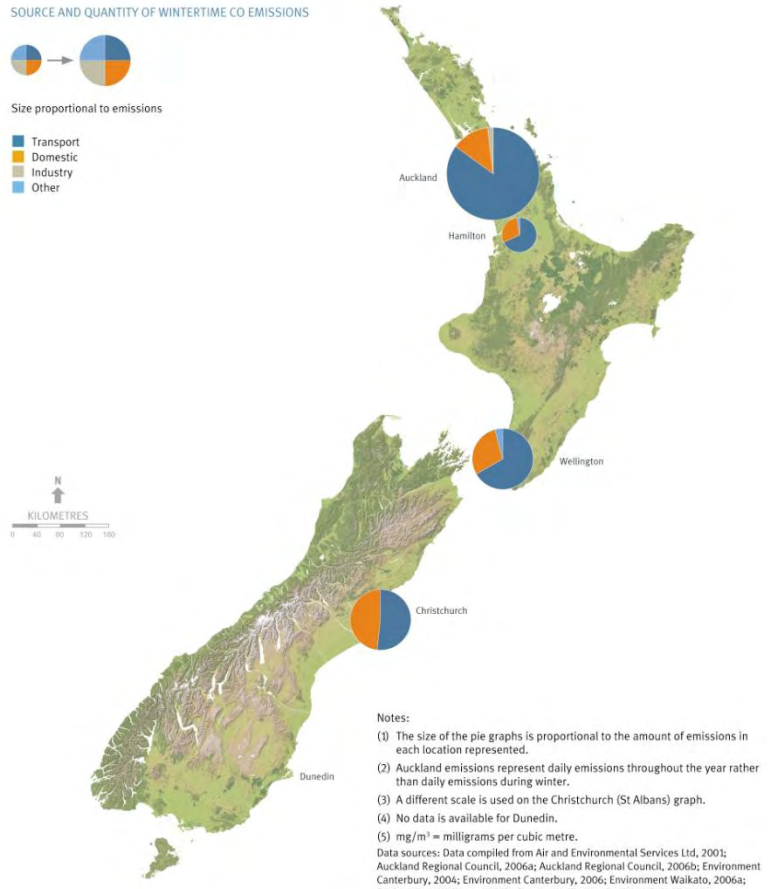
Air Quality - CO

+ FIGURE 7.10:
CARBON MONOXIDE (CO) LEVELS AND EMISSIONS IN MAIN CENTRES OF POPULATION



Notes:

(1) The size of the pie graphs is proportional to the amount of emissions in each location represented.

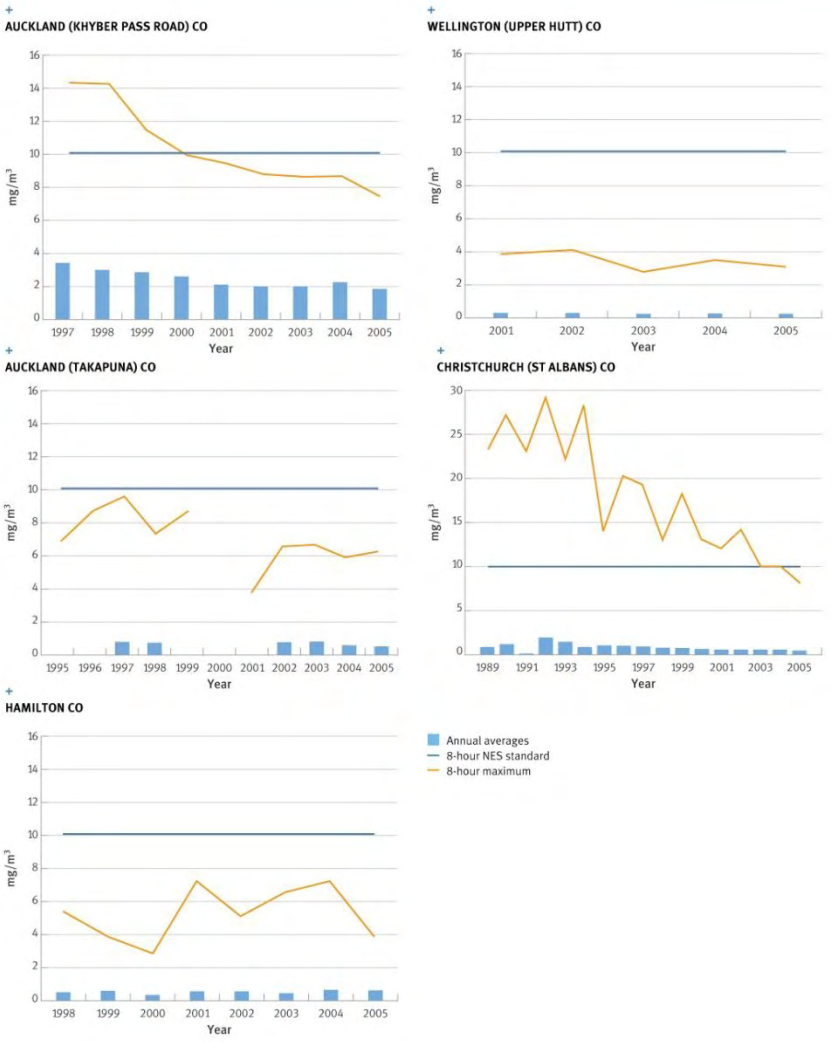
(2) Auckland emissions represent daily emissions throughout the year rather than daily emissions during winter.

(3) A different scale is used on the Christchurch (St Albans) graph.

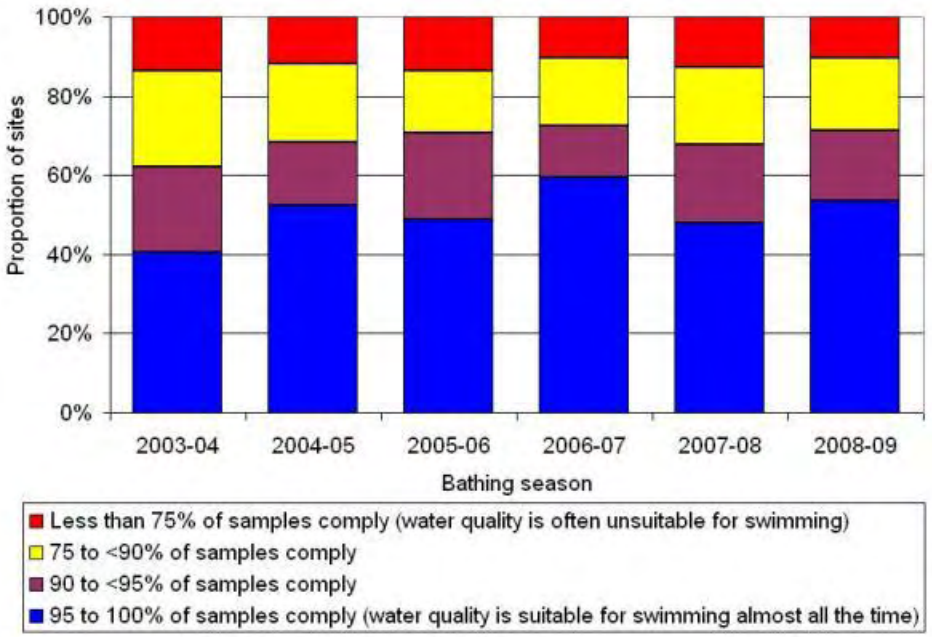
(4) No data is available for Dunedin.

(5) mg/m^3 = milligrams per cubic metre.

Data sources: Data compiled from Air and Environmental Services Ltd, 2001; Auckland Regional Council, 2006a; Auckland Regional Council, 2006b; Environment Canterbury, 2004; Environment Canterbury, 2006; Environment Waikato, 2006a; Environment Waikato, 2006b; Greater Wellington Regional Council, 2005.



Freshwater swimming holes



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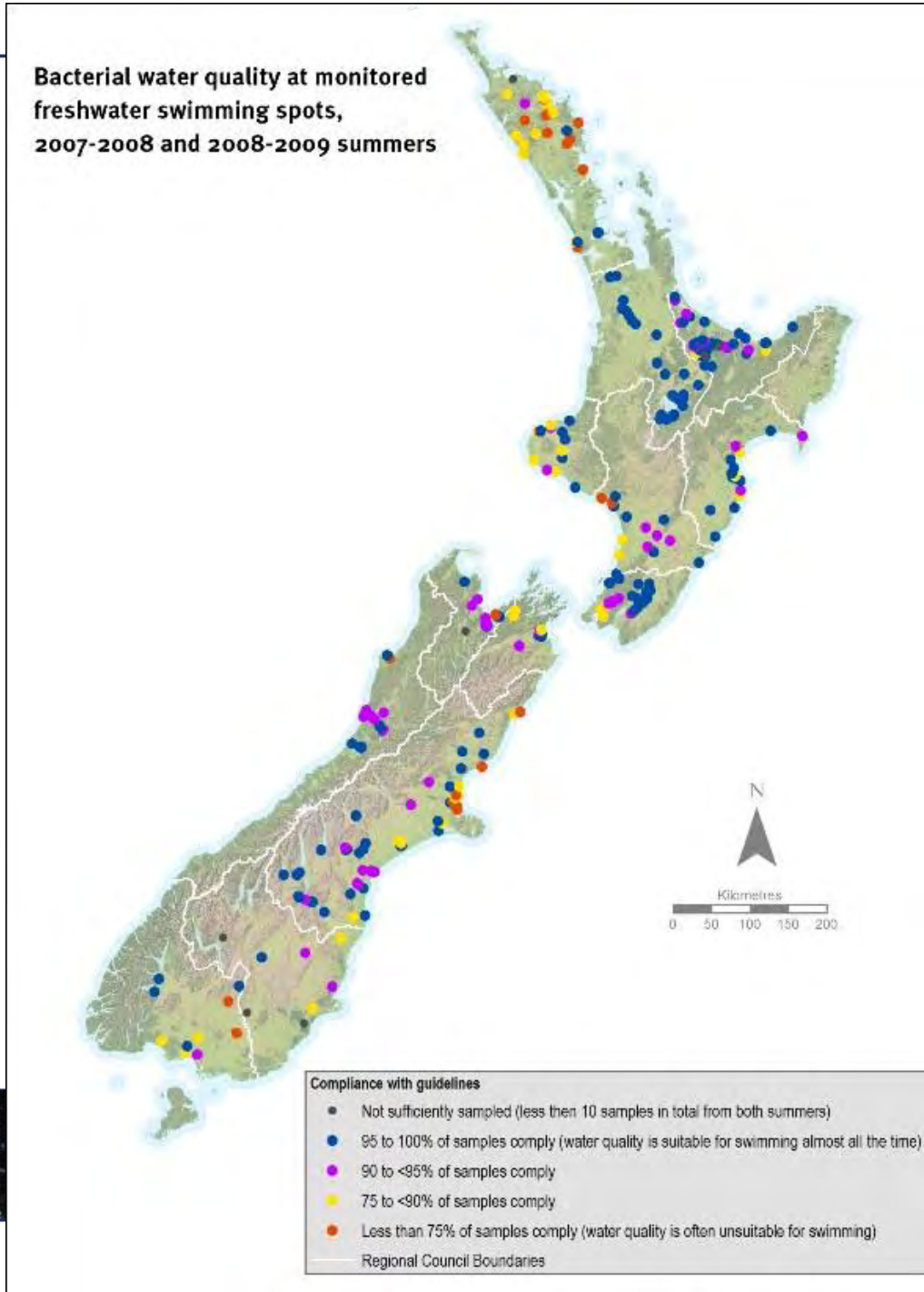
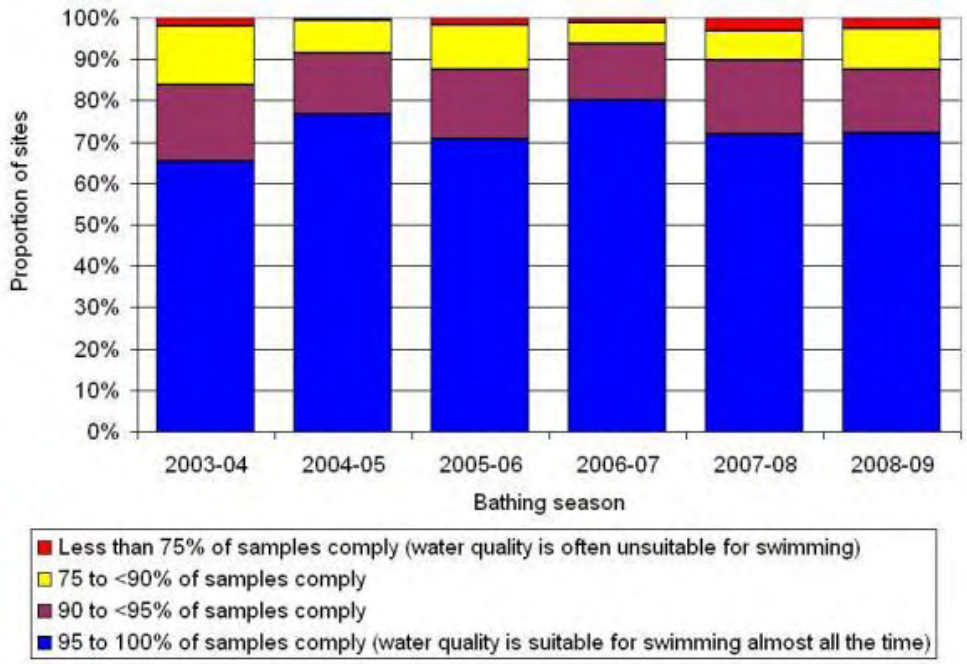
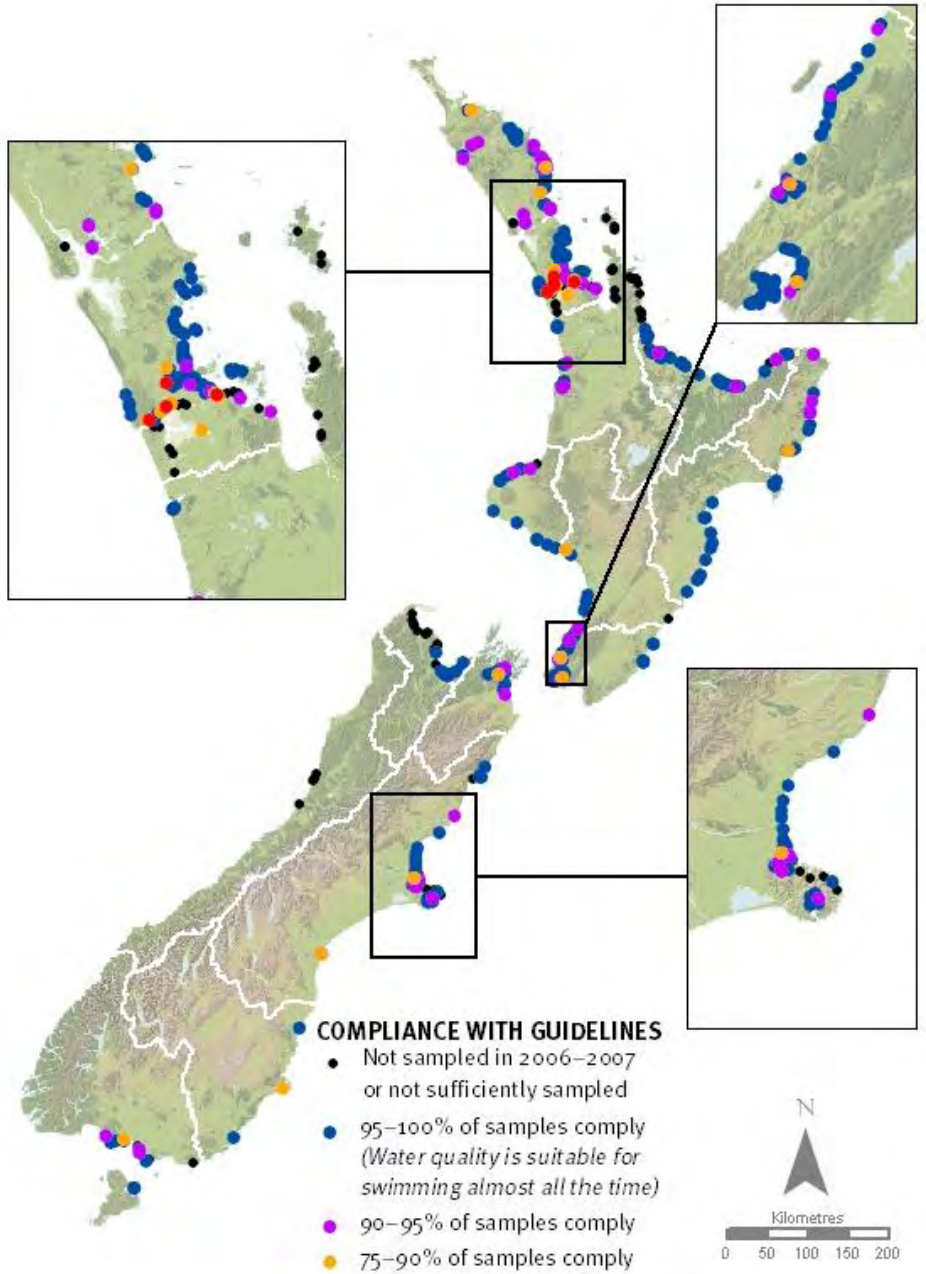


Coastal recreational water quality





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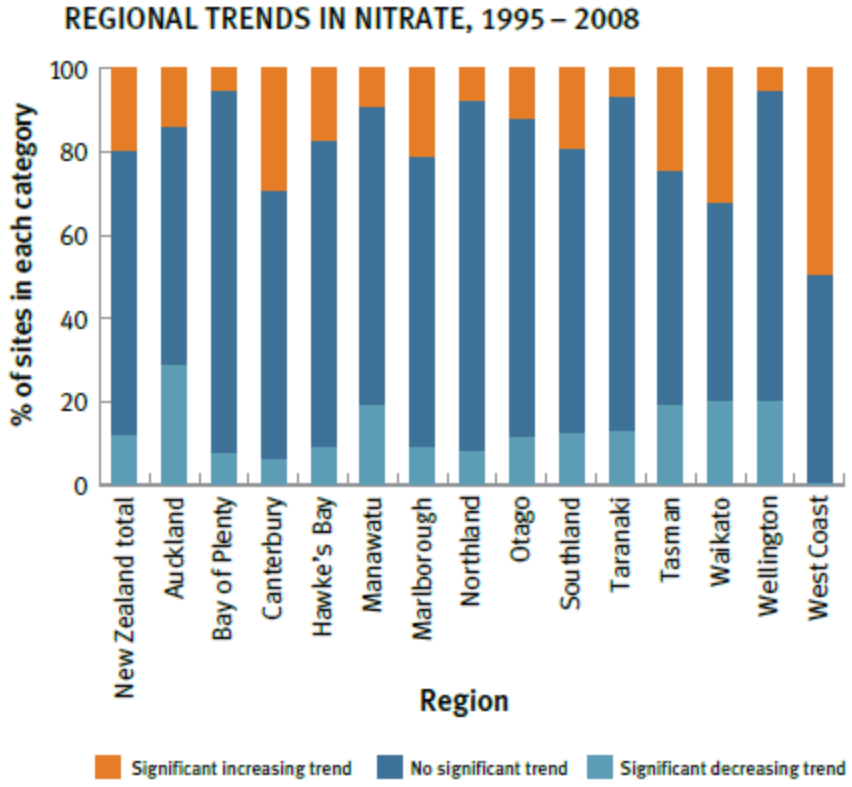
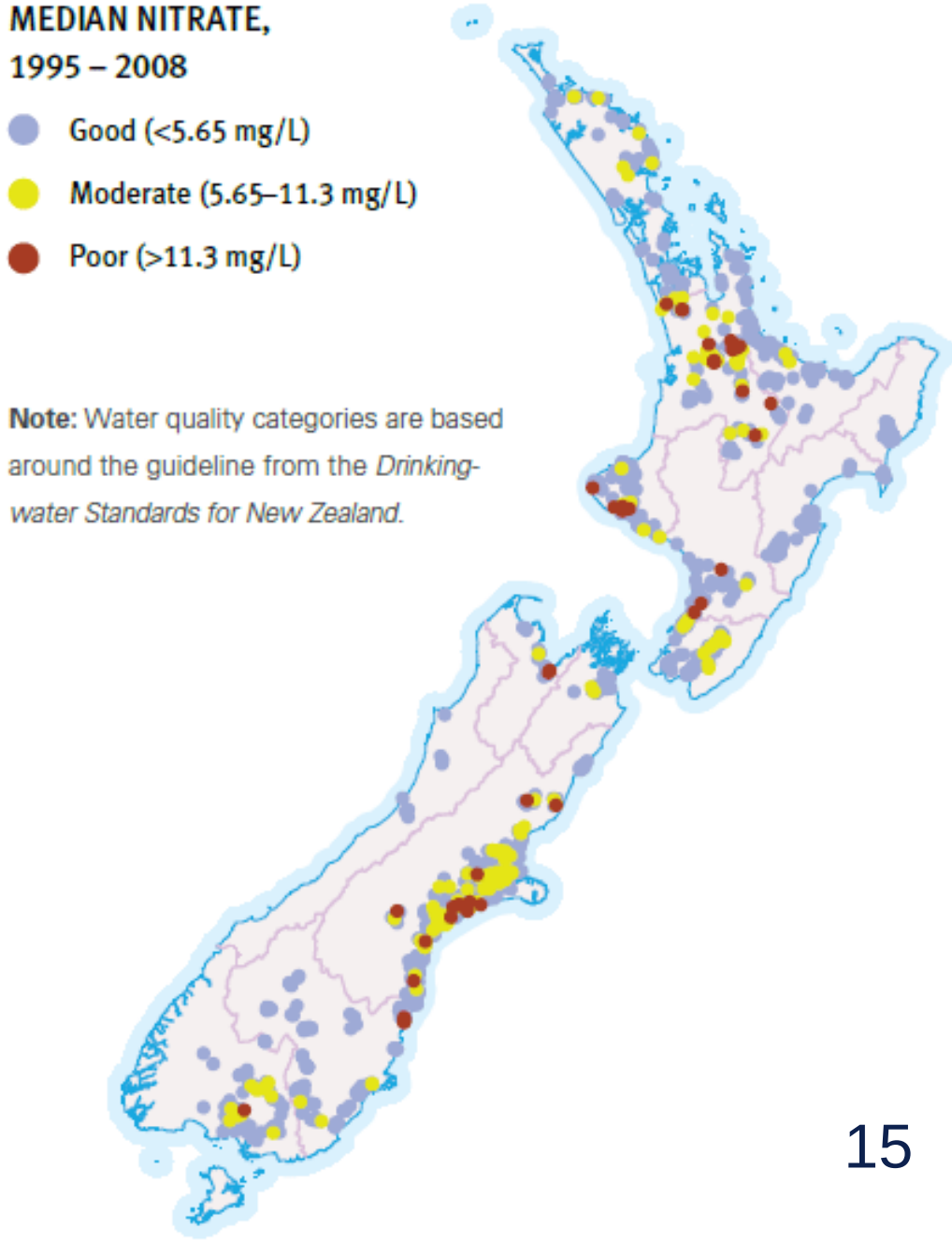
Groundwater quality





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What else?

- Technical guide to the national indicators
- Review of regional-level, national-level and OECD indicator programmes
- Creation of ‘family’ of reporting products
- 3-monthly newsletters to community of interest
- 6-monthly environmental reporting forums
- Guidelines and best practice guides
- Dependable freshwater monitoring and reporting
- Cultural monitoring

Want to find out more?

- http://www.mfe.govt.nz/environmental-reporting/index.html
- http://www.mfe.govt.nz/publications/ser/