

# Scenario modelling of fresh water in Te Awarua- o-Porirua Whaitua

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# What is the scenario modelling and how can you use it?

- We can't and don't monitor everywhere
- Use known patterns in water and contaminant generation, transport and removal
- Assume changes in land use, application of interventions and their performance

# What is the scenario modelling and how can you use it?

- Explore the levels of effort to reach different objectives
- Look for the big patterns
- Results graded (A-E) and arrows indicate changes within a band
- Draw on your own and others' knowledge

# *E. coli*

- Setting objectives for *E. coli*
- Levels of effort for different objectives
  - Rural
  - Urban
  - Drivers of change



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# Ammonia toxicity

- Setting objectives for ammonia
- Levels of effort for different objectives
  - Rural
  - Urban
  - Drivers of change

# Nitrate toxicity

- Setting objectives for nitrate
- Levels of effort for different objectives
  - Rural
  - Urban
  - Drivers of change

# Zinc toxicity

- Setting objectives for zinc
- Levels of effort for different objectives
  - Rural
  - Urban
  - Drivers of change

# Copper toxicity

- Setting objectives for copper
- Levels of effort for different objectives
  - Rural
  - Urban
  - Drivers of change