



Regulating the way urban activities affect water quality

# Outline

- Who to regulate?
- How to regulate?
- How does this fit with discharge limits?

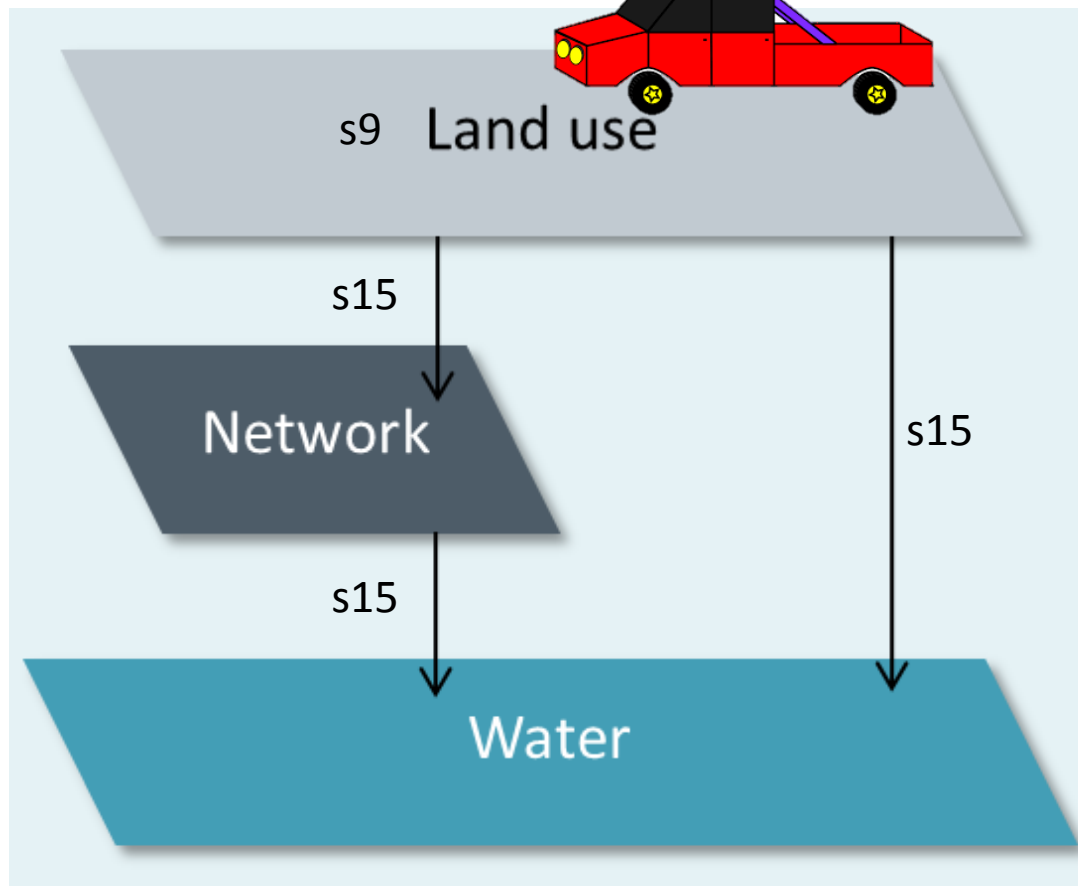
# Who to regulate?

- Sources of contaminants in urban environment
  - Stormwater networks = TA owned, operated by WWL
  - Wastewater networks = TA owned, operated by WWL
  - Other networks:
    - State highways = NZTA
    - Railways = KiwiRail
  - Discharges from new development – wastewater and stormwater
  - High risk activity = Landowner
  - Low risk activity = Landowner



# How to regulate?

- How do the contaminants reach water?
  - Generated by a land use
  - Discharge to a stream or the coast, or
  - Discharge to a network and then to a stream or the coast
- The tools GWRC has:
  - RMA section 15 = control discharges
  - RMA section 9 = control land use

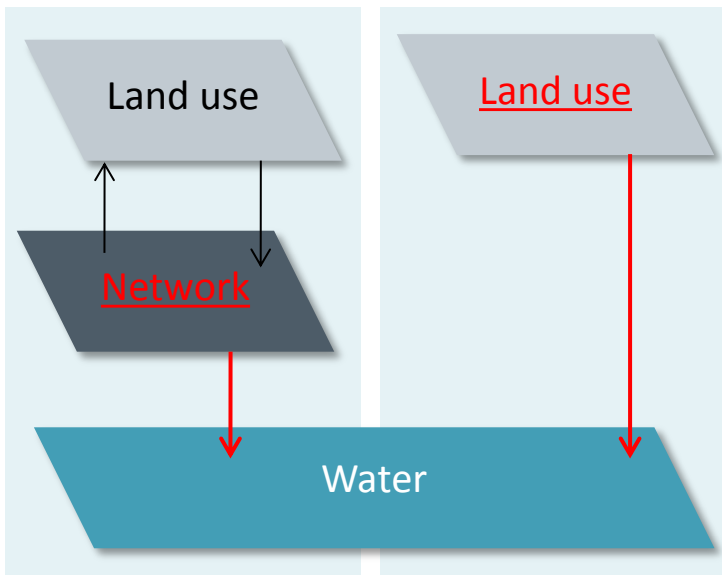


# Networks

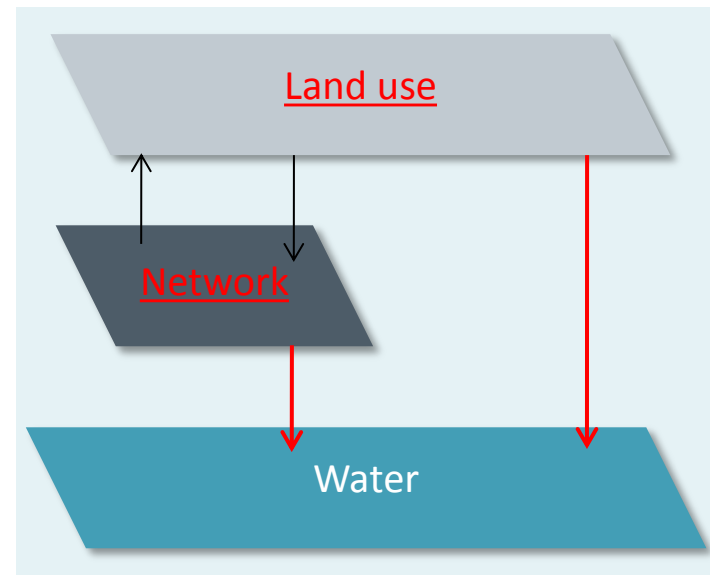
- TA/WWL stormwater and wastewater networks
- Other networks:
  - NZTA highways
  - Railway corridor
- Discharges from new development

# How to regulate land use?

Option 1



Option 2

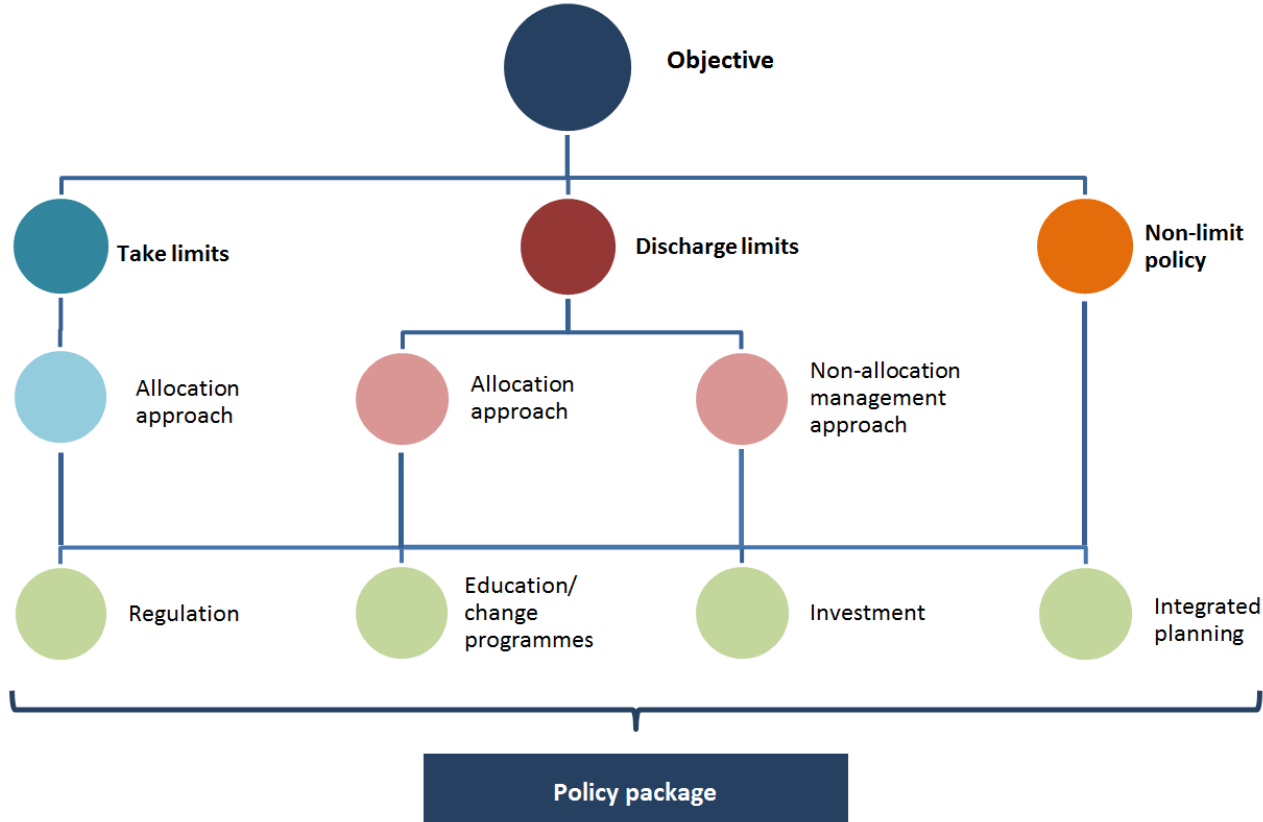


# High risk activities

- Tend to be ‘industrial and trade’ activities
  - Industrial and trade ≠ farms
- Also car parks
- Stormwater contamination risk because of activities on the site
- Used elsewhere as a standard approach

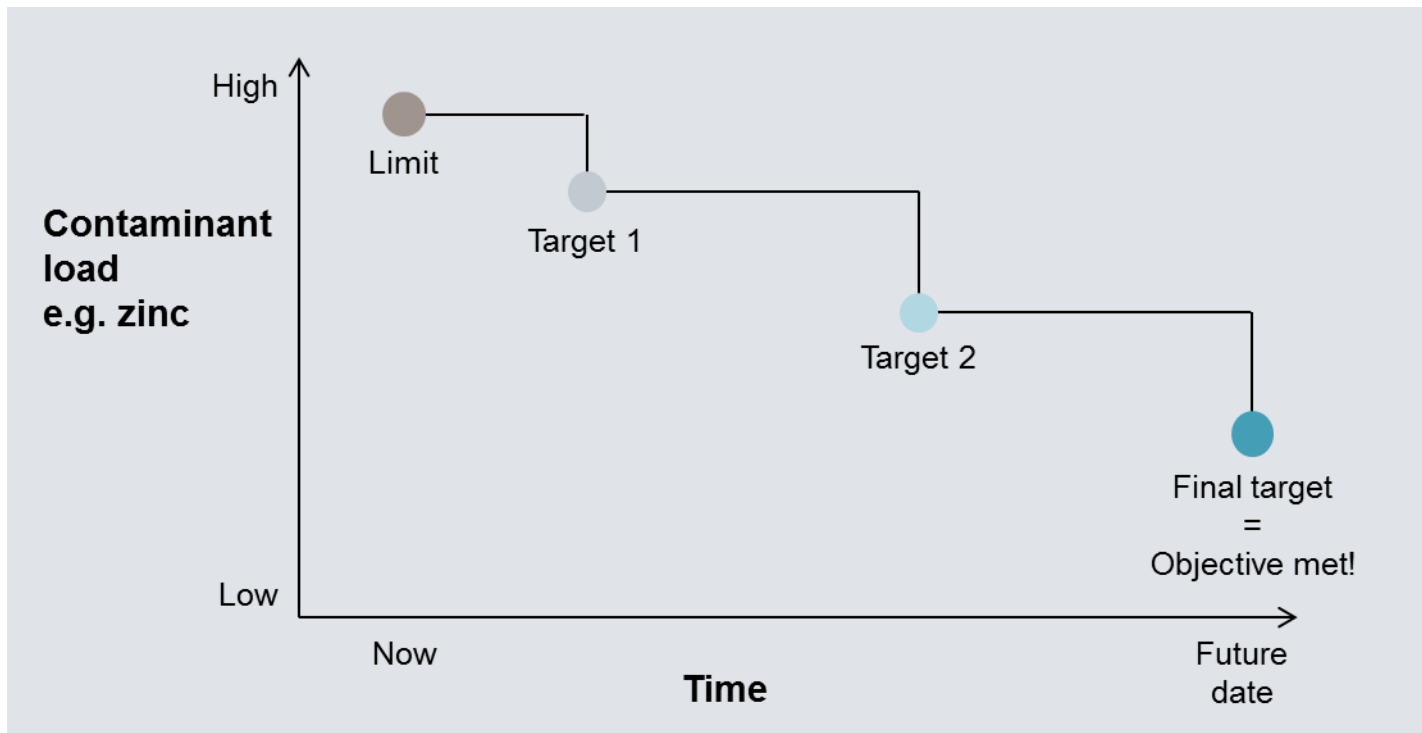


# How does this fit with discharge limits?



# How does this fit with discharge limits?

- Old discharges = continue or legalise now, improve in time
- New discharges = limits apply now
  - Subdivision allocated piece of limit?
  - Prohibited activity if can't meet limit
  - Consent to new developers, then vested to TA/WWL when complete



# How does this fit with discharge limits?

- Activities need to meet limits, therefore regulation:
  - Networks: consents to discharge, must follow load reduction pathway and times
  - New discharges: good management practice immediately
  - High risk activities: land use consent
  - Low risk activities: permitted activity with discharge standards