

# Policy Options and Scenarios



# Policy Framework

- Values - attributes
- Objectives
- Policies
- Methods to implement policies and achieve objectives

# Values and Objectives

- What we value
- Objectives - what we want to achieve
- Freshwater Objectives- what we want our waterbodies to look like

# Policies

- Simply a description of what we are going to do and how we are going to do it

# Methods = Actions

- Investment
- Regulation
- Education

# Investment

- Infrastructure - hard and soft
- Programmes
- Incentives
- Range of scales - government, local government, industry, community, individual

# Regulation- rules

- Water take, and discharge limits
- Water allocation
- Discharge (contaminant) allocation
- Discharge standards
- Land use practices

# Education

- General or targeted
- Provided by range of agencies and scales
- Individual upskilling



# Consensus

- We may find it hard to agree if we try to step through the policy framework in a linear fashion
- It helps (sometimes) to come at the problem from both ends
- Testing scenarios helps

# Scenarios

- Tell us whether a particular policy will achieve an objective we have in mind
- And/or
- Tell us what a particular policy will achieve (positive or negative)

# Example - pathogens

- Values - recreation, mauri, human health
- Attribute - *e. coli*
- In a FMU the *e. coli* level is in “c band”. Meets national bottom line for secondary contact, does not meet primary contact requirement
- Where to set objective????????

# Example

- 1<sup>st</sup> scenario includes stock exclusion, and produces primary contact quality over 70% of FMU. Downstream of MW discharge- no change
- 2<sup>nd</sup> scenario includes discharge standards, and more stringent requirements on discharges from drains. Primary contact over 90% of FMU.
- 3<sup>rd</sup> and 4<sup>th</sup> scenario etc etc
- Now we can have a conversation

# Scenarios

- The “answer” is likely to come from a number of scenarios
- Provide information that enable you to set freshwater objectives i.e. make value judgements
- Test management/policy options in terms of “cost and benefit”