

# Integrated assessment framework

## What it is

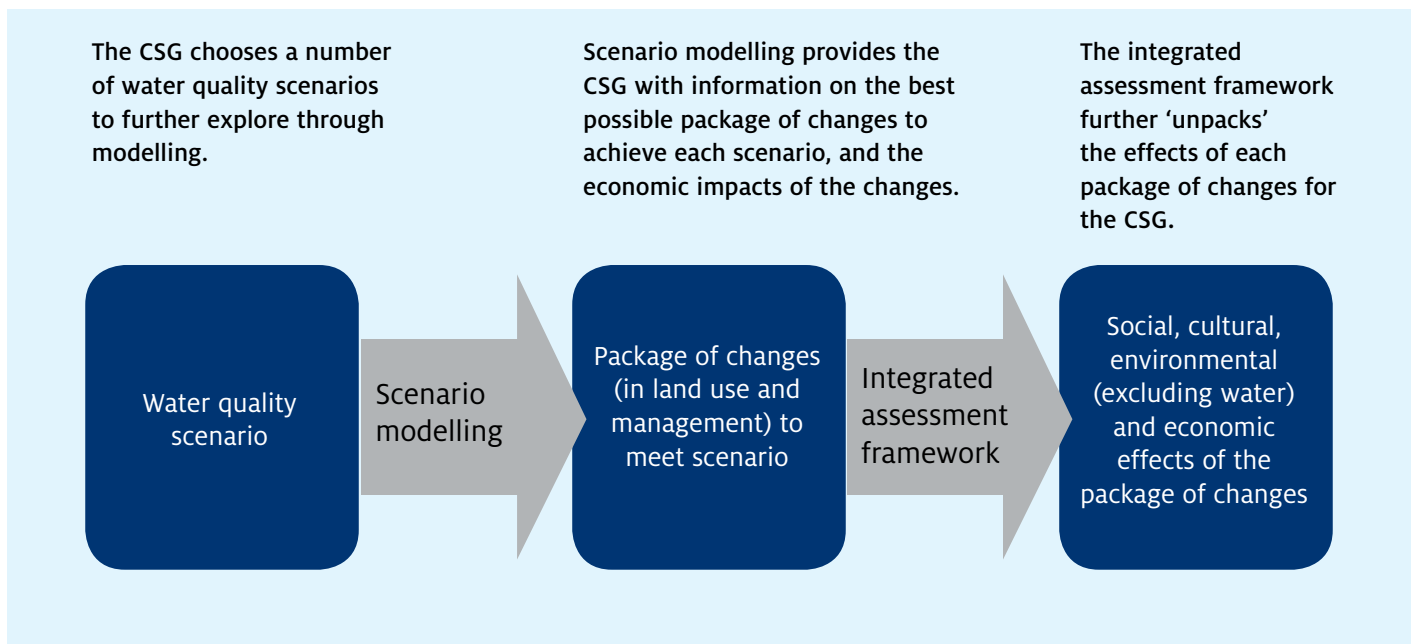
The integrated assessment framework provides a means to assess the social, cultural, economic and environmental effects on the wider community of changes required to meet water quality scenarios the Collaborative Stakeholder Group (CSG) is exploring.

It combines these measures into a single 'integrated assessment'.

The CSG will use results from the integrated assessment framework to help them make decisions while developing the plan change.

## How it all fits together

The CSG is using scenario modelling of water quality scenarios to help them develop the plan change. The integrated assessment framework provides the CSG with more information on the effects of each scenario, as shown below.



## What it provides

The integrated assessment framework contains a number of indicators.

A range of parties have been involved, and sources of information used, to develop the indicators. This includes the CSG, Waikato and Waipa River iwi, the Technical Leaders Group, the CSG's policy selection criteria, Waikato Progress Indicators and the Waikato River Authority's report card.

Social indicators	Environmental indicators	Economic indicators	Mātauranga Māori indicators
<ul style="list-style-type: none"> <li>Vibrant resilient communities (ngā hapori manawaroa)</li> <li>Employment (type and diversity) (momo mahi, mahi kanorau)</li> <li>Infrastructure (hanganga)</li> <li>Recreation use (ngā mahi a te rēhia)</li> </ul>	<ul style="list-style-type: none"> <li>Regional ecological monitoring of streams (mauri)</li> <li>Riparian (pareparenga o te wai)</li> <li>Wetland (rohe kōreporepo)</li> </ul>	<ul style="list-style-type: none"> <li>Value added (\$m) (whaipāinga)</li> <li>International exports (\$m) (hokohoko tauwhenua)</li> <li>Employment (Modified Employee Counts) (ngā mahi)</li> </ul>	<ul style="list-style-type: none"> <li>Waitemata (water clarity)</li> <li>Te rere (flow)</li> <li>Paemakariri (temperature)</li> <li>Mātauranga ki ngā wai kaukau (knowledge of swimming places)</li> <li>He kai pai (edible food)</li> <li>Te nui o ngā kai i te wai (abundance of fish species)</li> <li>Ngā tarukino me ngā ika rawaho i te wai (presence of pest weeds and pest fish)</li> <li>Au putea (economic benefit of water)</li> </ul>

A panel (including Technical Alliance members and Waikato Regional Council staff with collective experience in science, social science and policy) receives the modelling outputs.

Many of the indicators, such as 'Recreation use', are qualitative and based on a number of sources of data. For such indicators, the panel will evaluate the data available to inform the indicator.

For each indicator, the CSG will receive a trend and associated narrative. This will help them understand and consider the benefits and costs of the environmental, economic, social and cultural effects that may occur in a scenario.


## How it's used

The CSG will receive integrated assessment framework information before the October to November 2015 engagement period.

They will use the information to help them to:

- compare the effects of different water quality scenarios
- identify objectives which act as a transition pathway to achieving water quality targets, and to develop what the transition might look like
- identify where interventions (to mitigate particular undesirable effects) could be required.

## More information

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