

# Questions from the Regional Forum

## Workshop 4

The questions raised by the Regional Forum members during the course of their work are recorded and will be shared on the People, Water and Land website along with responses as they become available.

## **The role and work of the Forum**

How can the Forum make sure our recommendations are fit for purpose now and in the future?

## **Policy, consents and compliance**

When we think of economic impact who do we think about? people now, future generations, the water itself (te mana o te wai)

Is one water a better way of describing the three (or four waters)?

What happens when a Territorial Local Authority is non-compliant? Are they fined?

Are some problems TLAs experience, inherited or related to challenging infrastructure issues?

If the Environment Court is not in a position to define degradation and overallocation is this a significant restriction on its ability to act? What is the difference between degradation and overallocation?

What is the potential for using marine reserve designation to protect estuaries?

## **Land management**

Is the Oreti Southland's principal source of gravel?

## **Science**

What are the causes of e-coli contamination?

What is well-head protection?

Is cyanobacteria an indication of eutrophication?

What factors influence levels of cyanobacteria?

How many sites in Southland are swimmable?

Does water from the Oreti river flow into aquifers at certain points?

What is a cumex?

What was the impact of extraction of water at Makerewa on the New River Estuary?

What does the hydrodynamic diagram show?

Would there be algal blooms if there were trees planted on the bank providing shade?

Does Public Health South data on water related diseases, identify how people were infected?

Can we hear about the physiographics from Clint Rissman direct?

Why does the northern part of the Waituna catchment have a lesser ability to retain nitrogen?

How does the physiographics work relate to Overseer and LUCI?

How can physiographics be used to give guidance on e-coli? (e.g. in Northern Waiau area)?

Are there rivers in Southland which are not monitored but which are also potentially degraded?

Should Murihiku be included in monitored waterbodies?

Of drinking water bores which are monitored, how many exceed safe drinking water limits?

Understanding that nitrogen losses from agricultural land are higher in winter, is this nitrogen retained with the estuary for long periods and detectable at other times of the year or are levels only elevated during the winter?

What toxic algal sites are there on beaches?

How long would it take to have a positive impact on the estuary? Is it too late?

What remediation options for the estuary could be explored?

Do nitrogen and other losses impact on spawning sites for sea fisheries?

Would it be more effective to focus on estuaries which are in better condition and where positive change may be more realistic to achieve?

Is more sediment being observed not only within the estuary but also at the south end of Oreti Beach?

## **Mātauranga Māori**

Could cultural monitoring indicators and processes be utilised by other members of the community as a tool to help overcome fear?

What does anti-coagulant refer to?

How does Mātauranga Māori relate to / balance with western science?

What do actions on the ground relating to Mātauranga Māori look like - e.g. monitoring by whānau?

Who does "Our people" refer to when Iwi use this term?

How does cultural monitoring work in relation to the Council's monitoring programme?

## **Industry, community and other stakeholders**

What does overflow in the ICC system refer to? Where does water from different parts of the system mix?

How do quotas work?

How is water treated to provide drinking water for Invercargill city?

What is the composition of the water which is being discharged from the wastewater treatment plant?

Would water quality outcomes be better if stormwater was not entering the sewerage system?