

Coastal Special Interest Group (C-SIG)

Key issues and research priorities



Key issues



Key research priorities

Recognise &
incorporate
Mātauranga
Māori

- Identify working examples of Mātauranga Māori and science in collaboration
- Identify cultural health indicators (CHI)
- Consider how CHI could be used in a limits or standards-based framework

Achieve nationally
consistent &
effective
monitoring &
reporting

- Develop nationally consistent frameworks for monitoring, including the use of cost-effective technologies (eg, MEMP)
- Identify relevant indicators to describe state and condition and assess change in the coastal marine environment (eg, estuarine trophic index)
- Support data exchange and dissemination



Key research priorities cont..

Understand
the response
of coastal
ecosystems
to stressors

- Characterise the CMA (eg, what habitats do we have and how much?)
- Identify stressors and understand their effects (synergistic and cumulative)
- Identify indicators of health and environmental thresholds (eg, tipping points)
- Establish limits and standards for stressors, incl land-based activities that impact CMA

Understand
the impacts
of climate
change &
ocean
acidification

- Forecast type of environmental change and identify ecosystems or biodiversity at risk
- Undertake co-ordinated, cost-effective monitoring of climate change and ocean acidification
- Consider where regional influences (eg, nutrient run-off) may exacerbate effects of climate change

