Minutes of Whakaraupō / Lyttelton Harbour

Science Advisory Group

Wednesday 8th February 2017
ECan, 200 Tuam Street

Meeting title	Whakaraupō Science Advisory Group – Meeting 5
Date	Wednesday 8th February 2017
Time	1:30 – 4pm
Venue	ECan, 200 Tuam Street
Invited	Deirdre Hart, Donald Couch, Ian Lynn, Tim Davie, Bianca Sullivan, Terri Young, Islay Marsden
In attendance	Deirdre Hart, Donald Couch, Ian Lynn, Tim Davie, Bianca Sullivan, Terri Young, Islay Marsden
Apologies	

Item	Action

1. Apologies
 	
    a.   There were no apologies.
 	
    b.   Donald Couch was welcomed to the Science Advisory Group representing Ngāti Wheke. A Rūnunga meeting is due on Sunday 12th February where formal agreement on the Ngāti Wheke SAG representative will be sought.
 	
    c.   It was agreed that Lesley Bolton-Ritchie would be a valuable member of the group and that an invitation to attend would be extended. In particular, Lesley's experience and knowledge of working in Whakaraupō would be invaluable re. reviewing sections of the Issues and Options paper.
	TD/TY – to speak to Lesley re. Joining SAG and reviewing Issues and options paper sections

2. Confirmation of minutes / actions outstanding a. Minutes from 25th January confirmed with no corrections.	

3. Issues table
 	
    a.   Review of the discussion at the last SAG meeting re. mahinga kai relating to all issues and to address this through text rather than have individual issue category.
 	
    b.   DC expressed the importance of including mahinga kai and other cultural health values more explicitly in the issues table.
 	
    c.   DC has suggested six marine mahinga kai species as indicators of cultural health – pipi, tuatua, tuaki (cockle), kuku (mussels), pioke (rig) and patiki (flounder), but also stressed the
	TY – reformat the issues table to reflect discussions
	
	All – to draft text around your allocated drivers (see issues table)

importance of recognising that these species aren't just indicators, but form key objectives in the plan in terms of enhancing stock quality / quantity (access).

d. The discussion about the definitions of indicator / issue / driver was revisited and how mahinga kai species (terrestrial, freshwater and marine) fit into the framework.

e. The structure of the issues and options report was discussed with the suggestion that each mahinga kai species should have a side box describing the ecology of the species and the environmental conditions they require to thrive. This is recognised as an important gap in our knowledge.

f. It was agreed that the format of the issues table should be revised to more strongly reflect the values of cultural, ecological and socio-economic health. The revised format should rebalance the level of 'issue' v's 'driver', with the detail re. drivers/causes described in the report narrative.

g. Cultural health section:
   i. Issue – Degradation of mahinga kai – separate f/w, land and marine (use legal definition). Traditional and contemporary mahinga kai. Specifics of drivers of decline for each mk sps. In side boxes.
   ii. Issue – Loss of taonga
   iii. Issue - Visibility/recognition of cultural landscapes (sites of significance)
   iv. Issue – Ability to practice kaitiakitanga (legal and regulatory infrastructure)

h. Ecological health section:
   i. Issue - Habitat loss/degradation
   ii. Issue – Contamination/pollution
   iii. Issue - Climate change
   iv. Issue – Hazards

i. Social/economic health:
   i. Issue - Managing a natural and working landscape
   ii. Issue - Hazard resilience and risk reduction
   iii. Issue - Resilience to climate change

j. A suggested structure for the report
   i. Introduction
   ii. Issues (table)
   iii. Drivers
   iv. Side boxes on mahinga kai sps.
   v. Gaps in knowledge / research priorities
   vi. Actions
   vii. Conclusions

4. Knowledge gaps, emerging issues, research questions
 	
    a. 'Pocket science', and the non-systems based approach to doing science in the harbour creates issues re. understanding harbour dynamics as a whole. Research needs to be integrated.
 	
    b. There was no time to work through this agenda item so members are asked to prepare this in time for the next meeting. Please identify key gaps in knowledge / research and prioritise them in order of importance.
	All – to identify the key gaps in knowledge / research needs for your area

5. Identify main opportunities for intervention / priority actions a. Postponed.	
6. Any other business	

Next meeting: Date: Thursday 23rd February 1.30-4pm

Location: Rakahuri meeting room, 200 Tuam Street