Date: Monday, 19 November 2018  
Time: 1:00pm  
Meeting Room: Reception Lounge  
Venue: Auckland Town Hall  
301-305 Queen Street  
Auckland

Hauraki Gulf Forum

OPEN MINUTE ITEM ATTACHMENTS

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<td>23</td>
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<td>43</td>
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Note: The attachments contained within this document are for consideration and should not be construed as Council policy unless and until adopted. Should Councillors require further information relating to any reports, please contact the relevant manager, Chairperson or Deputy Chairperson.
Request for video recording of the Hauraki Gulf Forum meetings, presented to the Hauraki Gulf Forum, 19 November 2018

Good afternoon Chair, Deputy chair, and members of the Hauraki Gulf Forum.

Thank you for the opportunity to address you. I will not take up much of your time, for I have a simple request.

I am here today on behalf of all who treasure the Gulf but do not have the opportunity to attend the Forum’s meetings, and yet are very keen to keep up-to-date with developments affecting the Hauraki Gulf.

I am aware there is a need to improve the public’s knowledge of the issues affecting the Gulf – and that the various matters that the Gulf Forum are considering need to be more widely known.

To this end I am requesting that the meetings of the Forum be video recorded, so that they are available for a wider audience to view at more convenient times.

The location of the meetings, and that they are held during business hours, does not allow many to attend who might like to do so, especially so for those who live outside Auckland City.

I believe this initiative would go a long way to informing more people, and hopefully inspiring them to become involved with caring for and protecting the Gulf. For instance, the presentations scheduled for today cover very interesting matters which deserve a wider audience, which could be tapped into if the meetings were video recorded and made available for public viewing.

Members of the Forum, thank you for your time, and for your consideration of my request.

Lee Short
Motutapu Restoration Trust

Auckland’s Ancient Flannel Sanctuary

Motutapu.org.nz
Vision

To re-establish the natural and historic landscapes of Motutapu.
About

- Established in February 1994 to restore and enhance the natural, historic and recreation values of Motutapu.
- Restoration plan was prepared by the Department of Conservation in consultation with Ngai Tai ki Tamaki and interested groups. The plan was approved by the Auckland Conservation Board in August 1994.
- Activities include creating native forest, restoring wetlands, translocating native species and historic site protection and restoration.
- The aggregate value of the Trusts contribution to Motutapu has been independently calculated as exceeding $70million.
- Volunteer-led project with significant benefits to the Hauraki Gulf Marine Park and New Zealand.
Achievements

- Established and maintain an on-island nursery that produces c15,000 stems each year.
- Planted +500,000 stems to create +100 ha of planted native forest.
- Rescued large areas of native forest from invasive weeds.
- Fenced off forest remnants on the coastal fringe and inland sites to protect habitat.
- Enabled bellbird, kākāriki, Coromandel brown kiwi, takahe, tieke, pateke, whitehead, shore plover, koura and red-finned bully to establish and thrive.
- Restored the historic Reid Homestead in Home Bay for use as a visitor centre.
Achievements

• Restored the wharf at Home Bay to allow public ferry sailings.
• Restored and interpreted some of the many military and farming buildings and sites.
• Developed the 'Walk Motutapu' network of walking tracks and bridges. Volunteers continue to maintain these tracks to Department of Conservation standards.
• Established the annual DUAL multisport event.
• Built up a database of more c4,000 volunteers.
• Volunteers contributed 32,000 hours to restoration in 17/18 year.
• Established an on-island Ranger role.
Plan: Ecological restoration

- Species translocations
- Weed control and eradication
- Increase nursery productivity and planting rate
- Biodiversity monitoring and research
- Remote sensing biosecurity network
Plans: Historic heritage

- Plotting room complex restoration
- Gun emplacement restoration
- Restore military features
- Establish a heritage orchard
- Protect archaeological sites
- Maintain the Reid homestead as a visitor & education centre
- Interpretation and stories
Plans: Volunteers

- Provide accommodation for volunteers
- Increase volunteer opportunities
- Grow volunteer base
- Increase youth volunteering
- Establish a Youth Ambassador programme
- Training programme in key areas to expand volunteer leadership
Proud moments

- NZ Association of Event Professionals, Best Partnership award, 2015
- Society for Ecological Restoration Australia award, 2016
- Designers Institute of NZ, Best Design Awards, bronze, 2017
- NZ TV Awards 2018, Best Sports Programme - TBC
- The passion demonstrated by volunteers every day
Acknowledgements

- Department of Conservation
- Rotary Club of Newmarket and other clubs
- Philanthropic and business sector
- Volunteers from Auckland and around the world
- Other conservation trusts
- On-island partners
- Our trustees
Hauraki Gulf Forum – Chairperson’s Report

Te take mō te pūrongo / Purpose of the report
1. To provide an update from the Chairperson on recent and upcoming activities of the Forum.

Whakarāpopototanga matua / Executive summary
2. The past three months have seen quite a lot of activity that Deputy Chair Moana and I have been involved in, representing the Forum.
3. Broadly our focus reflects the first of the Strategic Issues 2018 document Members approved at our last meeting. Work continues among constituent parties on the second and third strategic issues - ‘Restoring water quality values’, particularly sedimentation, and we have our first focused presentation on ‘Recognising those critical marine values and ecosystems through advocating for protection, restoration and enhancement’ from Fisheries New Zealand at this meeting.

Improving integrated management - Central government engagement
4. I am very hopeful that the meeting we held jointly with the Ministers of Conservation and Fisheries on 29 October marks a new commitment to gaining more systematic and fullsome participation in the Forum’s work by central government. Thanks to Andrew Baucke for helping to arrange that meeting after a very productive meeting we had with him somewhat earlier.
5. You have heard the Minister of Conservation say she is keen to attend Forum meetings from time to time and this was echoed by the Minister of Fisheries. We made our expectation of greater commitment by central government very clear and senior officials were there to witness the Ministers’ agreement with this expectation.
6. In discussing the state of marine life and fisheries in the Gulf, the Minister of Fisheries noted that he had been adjusting quotas downwards for some relevant species recently. We pointed out that it has been a long time since scientific evaluation of the state of fish stocks via tagging had been undertaken in the Gulf and that, in any case, the Gulf needed to provide systematic protection of entire habitats / eco-systems if we are to have any prospect of restoring stocks to levels sufficient to return to sustainable use by all interested stakeholders. We noted the importance of healthy stocks of natural predators such as snapper and crayfish for that to be possible. This led to a discussion about marine reserves and protected areas that we hope will be continued next year. Minister Sage was particularly supportive of greater areas of marine protection.
7. As noted, Fisheries NZ will present to the Forum at this November meeting, and I’ve requested a further, more detailed presentation about the direction of the Ministry in February.
8. The Minister of Conservation advised that a paper to Cabinet was “imminent” recommending the setting up a Ministerial Advisory Group as a response to Sea Change – Tai Timu Tai Pari. We have no further details yet other than an assurance from Minister Sage that there was no intention for the Advisory Group to pick up responsibilities already held by the constituent parties to the Forum – i.e. no intent to duplicate effort. We will advise Forum members as soon as we know more on this.
Improving integrated management – Tangata whenua participation

9. Deputy Chair Moana led a meeting with senior management of Te Punu Kokiri in the Auckland region on 12 November. We discussed more effective support for tangata whenua members of the Forum to assist all of us to fulfil our objective to recognise the ‘historic, traditional, cultural and spiritual relationship of tangata whenua with the Hauraki Gulf’. TPK will be fully supportive in the task of facilitating and supporting tangata whenua participation in our strategic issues.

10. Meanwhile Deputy Chair Moana has also been considering how to more effectively utilise tangata whenua technical officer support hours to create greater capacity for participation in projects, meetings etc.

Improving integrated management – Forum Operations

11. Interim Executive Officer Katina Conomos has been tireless in her work for the Forum and her attention to detail and strategy is excellent. She has assisted Moana and I and Jacques Victor, GM Strategy for Auckland Council in the task of finding a new Executive Officer. If all goes well in that regard, I will be able to announce an appointment to that role at our meeting on 19 November or in the following few days.

12. In preparation for the agenda items around marine management, Katina organised a meeting of technical officers from the Waikato Regional Council, Auckland Council and DOC. As Katina has outlined in the work programme report, we will reinstate regular meetings of the Technical Officers to help plan for each Forum meeting from here forward. We will expect Fisheries NZ to attend these meetings in future and call on District Council technical staff when appropriate to particular topics.

Communications by the Forum with the organisations represented

13. The Forum is made up of people from different positions and levels in the organisations they represent – politicians, appointees and officials who are representatives of their agency. While communicating with the Forum Membership is straightforward, I am mindful that the Executive Officer and I sometimes need to communicate with the agency as an entity separately. We have had staff of some constituent organisations tell us there is scope for confusion in communications among staff as things stand. When our new Executive Officer is in place we will work on a clarifying communication channels between the “Forum” and its “Constituent Parties”.

Stakeholder engagement

14. Deputy Chair Moana and I have been putting effort into meeting with a variety of stakeholders – reactively and proactively. I have included a schedule of our meeting activity at the end of this report.

15. We have met with Kelly Tarltons and Auckland Whale and Dolphin Safari. We met with Nick Hill, CEO of Auckland Tourism, Events and Economic Development to raise his awareness of the Forum and its role. We discussed using the Americas Cup as an opportunity to highlight sustainability and showcasing the potential of the Gulf.

16. On 31 October I had the opportunity to spend a day on Sanford’s Tengawai trawler in the outer Gulf to see first-hand some of their commercial fishing practices, and there will be a follow up meeting to discuss my impressions with Sanford’s Operations Manager on 23 November.

17. Deputy Chair Moana facilitated the Stories of the Noises event on 25 November attended by approximately 60 people, which presented findings from recent scientific studies on and around the Noises islands. Speakers included botanist Ewan Cameron, Chris Gaskin from Northern New Zealand Seabirds Trust, Don McFarlane from the Auckland Zoo, Louis Furney from the Auckland Museum, and Tim Haggitt from Leigh Marine Laboratory. Richelle Kahui-McConnell presented alongside a number of rangatahi who had experienced a day on the Noises working alongside a number of scientists.
18. At the Forum’s meeting on 20 August, Ross and John Duder suggested that a copy of the Sea Change summary document be distributed to the recreational boating clubs in an effort to get them to be more active in promoting the health of the Gulf. Work has continued on that suggestion to build engagement between the Hauraki Gulf Forum and the recreational boating community with collation of the details of the boating and yacht clubs in a database and the development of communications for use by the clubs.

19. In October Minister of Conservation Eugenie Sage and Auckland Mayor Phil Goff launched “Pest Free Waiheke”, a 7 year, $11m project funded jointly by their organisations and Foundation North to help the community to rid Waiheke of mammalian pests, notably stoats and rats [there are no possums]. Apart from its intrinsic value in restoring flora and fauna on Waiheke, success will contribute to reducing the risk of re-infestation on neighbouring pest free islands.

Hauraki Gulf Marine Park Seminar

20. The annual seminar hosted by the Auckland War Memorial Museum on 5 September was considered very successful by all the folk I spoke to afterwards. There were some marvellous presentations around “Finding a Voice” for the Gulf – some of the most powerful being those with very visual or aural messages from the heart. I particularly recommend Mike O’Donnell and Jamie McDell among the presentations which are now available online at http://gulfjournal.org.nz/seminar-talk?seminar-name=2018-finding-a-voice

21. Congratulations again to those awarded Holdaway Awards - former Chair of the Forum, John Tregidga and father and daughter, Steve and Riley Hathaway.

Coastal Resources Ltd dumping consent

22. As Members are aware, the Environmental Protection Authority requested advice from the Forum in relation to the Coastal Resources Ltd. dumping consent. I did a summary of input from Forum members and supported the submission made by the Aotea Great Barrier Local Board.

23. While we have just been invited to present at the hearing, which is scheduled to commence on Wednesday 28 November 2018, we do not yet know exactly when we will be called. Any Forum Members who wish to join us for the presentation are welcome to do so. The hearing will be held in the Kiwi Ballroom on the ground floor, Jet Park Airport Hotel and Conference Centre, 63 Westney Road, Mangere, Auckland until 31 November and then from Monday 3 December 2018 it will continue in Central Auckland until the hearings are completed.

Schedule of meetings attended by the Chairperson and Deputy Chairperson

24. This table outlines the meetings that Deputy Chair Moana and I have been involved in since our last formal Forum meeting.

<table>
<thead>
<tr>
<th>Date</th>
<th>Meeting</th>
<th>Attendees</th>
</tr>
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<tbody>
<tr>
<td>Tuesday, 31 July 2018</td>
<td>When did John meet with Kelly Tartons</td>
<td>John</td>
</tr>
<tr>
<td>Monday, 27 August 2018</td>
<td>Meeting with Brad Kirner and Cat Lea from Auckland Whale and Dolphin Safari for briefing on research activity that occurs onboard.</td>
<td>John, Moana, Katina</td>
</tr>
<tr>
<td>Monday, 27 August 2018</td>
<td>Meeting with Fiona MacMillan, General Manager Corporate Communications, Sandford to discuss Sandford’s operations in the Gulf.</td>
<td>John, Katina</td>
</tr>
<tr>
<td>Monday, 27 August 2018</td>
<td>Meeting with Chris Gaskin, Northern New Zealand Seabirds Trust to discuss new publication regarding Seabirds Threats, and upcoming Seabirds seminar.</td>
<td>John, Katina</td>
</tr>
<tr>
<td>Date</td>
<td>Meeting</td>
<td>Attendees</td>
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<tr>
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<tr>
<td>Tuesday, 4 September 2018</td>
<td>Forward planning meeting with Executive Officer.</td>
<td>John, Moana, Katina</td>
</tr>
<tr>
<td>Tuesday, 4 September 2018</td>
<td>Meeting with Marine Park Posters creative team to discuss poster projects and concepts.</td>
<td>John, Katina</td>
</tr>
<tr>
<td>Wednesday, 5 September 2018</td>
<td>Facilitation of Hauraki Gulf Marine Park Seminar at Auckland War Memorial Museum.</td>
<td>John, Moana, Katina</td>
</tr>
<tr>
<td>Sunday, 16 September 2018</td>
<td>Attended Pest Free Waiheke launch at the pan tribal Piritahi Marae</td>
<td>John</td>
</tr>
<tr>
<td>Thursday, 20 September 2018</td>
<td>Meeting with Raewyn Peart, EDS to discuss contents of EDS report.</td>
<td>John, Moana</td>
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<tr>
<td>Thursday, 20 September 2018</td>
<td>Meeting with Nick Hill, CEO of ATEED</td>
<td>John, Moana</td>
</tr>
<tr>
<td>Tuesday, 2 October 2018</td>
<td>Forward planning meeting with Executive Officer.</td>
<td>John, Moana, Katina</td>
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<tr>
<td>Tuesday, 2 October 2018</td>
<td>Meeting with Auckland Council staff to discuss recruitment processes.</td>
<td>John, Moana, Katina</td>
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<tr>
<td>Saturday, 6 October 2018</td>
<td>The Hauraki Gulf Watershed Launch</td>
<td>Moana</td>
</tr>
<tr>
<td>Wednesday, 10 October 2018</td>
<td>Meeting with Andrew Baucke, DOC, to discuss tangata whenua appointment and remuneration processes.</td>
<td>John, Moana, Katina</td>
</tr>
<tr>
<td>Wednesday, 24 October 2018</td>
<td>Meeting with Auckland Council staff for shortlisting of Executive Officer applicants.</td>
<td>John, Katina</td>
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<tr>
<td>Wednesday, 24 October 2018</td>
<td>Meeting with Technical Officers to scope and discuss reports for 19th November Forum meeting.</td>
<td>John, Katina</td>
</tr>
<tr>
<td>Thursday, 25 October 2018</td>
<td>Stories of the Noises event, hosted by Foundation North.</td>
<td>Moana, Katina</td>
</tr>
<tr>
<td>Monday, 29 October 2018</td>
<td>Meeting with Minister of Conservation and Minister of Fisheries and senior officials.</td>
<td>John, Moana, Katina</td>
</tr>
<tr>
<td>Wednesday, 31 October 2018</td>
<td>Spend a day on Sanford’s Tengawai trawler in the Hauraki Gulf.</td>
<td>John</td>
</tr>
<tr>
<td>Wednesday, 7 November 2018</td>
<td>Executive Officer interviews conducted</td>
<td>John, Moana</td>
</tr>
<tr>
<td>Monday, 12 November 2018</td>
<td>Meeting with Marty Rogers and Martin Mariassoue from Te Puni Kōkori to discuss the forward work programme of the Forum.</td>
<td>John, Moana</td>
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</table>

Ngā tūtohunga / Recommendation/s

That the Hauraki Gulf Forum:

a) receive the written report from the Chairperson.
| Author       | John Meeuwsen – Chairperson, Hauraki Gulf Forum |

Ngā kaihaina / Signatories
Inshore Fisheries Management

System overview and Update on the Status of fish stocks in the Hauraki Gulf Region

Steve Halley
Fisheries Manager Inshore
Tīnā Tāngaroa
Overview

1. Fisheries New Zealand established 2018 - scope, purpose and structure
2. Fisheries Management historical context
3. Overview of the current fishery management system
4. Fishery management tools and how they are used
5. Fisheries management planning
6. What we know about Hauraki Gulf stock levels and updates to sustainability measures
1. Fisheries New Zealand established 2018 - scope, purpose and structure

Fisheries New Zealand: high-level structure
Fisheries System Focus Areas and Work Programme

**OUR VISION:**
Abundant and sustainable fisheries, thriving communities, and a healthy marine environment for the benefit of all New Zealanders

New Zealand’s fisheries management system is highly regarded globally. The expectations of the New Zealand public and our markets about how our fisheries are managed are changing. There are opportunities to innovate and improve how the system works now and in the future, to meet these new expectations.

A significant programme of fisheries reforms to the quota management system is in development. These reforms will drive innovation and changes in the way fishers behave and operate. They will also result in much more data and information to manage fisheries, unlocking a shift towards an ecosystem-based approach to fisheries management.

To deliver on the opportunity of ecosystem-based fisheries management, we are focusing in the short-term on the foundations of the system. An ecosystem-based approach to managing fisheries is our direction. It moves us from managing stocks towards a more integrated approach that considers species, environmental interactions and community values. To get there, we need to focus on building the foundations of trust, innovation and agility within the system. We are doing this through the new platform of Fisheries New Zealand.

6 Strategic Shifts to achieve key outcomes -

- **Increasing Trust and Transparency**
  - Better and more accessible information about the management of our marine environment.

- **Improving Engagement**
  - New Zealanders have more ways to engage on how fisheries are managed.

- **Supporting Innovation**
  - More innovation in fishing and fisheries management.

- **Agile Decision Making**
  - Smarter use of science and data, supporting more responsive decision making.

- **Aligning Incentives**
  - Simple, adaptable rules that incentivise good practice.

- **Ecosystem Performance**
  - A pathway to improved environmental and ecosystem performance.
Key Change Initiatives for Fisheries New Zealand

- Improved public access to information
- Review of stakeholder engagement in fisheries management
- Delivery of Digital Monitoring Program
- Review of strategies and plans to mitigate the environmental effects of fishing (seabirds, Hoio, set nets)
- Fisheries planning – national frameworks & local area plans
2. Fisheries Management historical context

- 1960s and 70s policy encouraged expansion of the NZ fishing industry and the introduction of more efficient trawl technologies saw inshore fisheries depleted by the 1980s
- Early 1980s - needed to find a better way to manage commercial fisheries
- Setting catch limits and allocation of ‘individual harvest rights’ to fisheries was designed to alleviate classical problems and foster incentives to look after the resources
- Individual transferable quota (ITQ) for deep-water in 1983 and important inshore species in 1986
- System leads to reduction of the fleet over time
- ITQ to Maori under fisheries settlement 1992
- ITQs now cover 100 species groups in 600+ stocks/units
3. Overview of Fisheries Management System

Our fisheries management framework is provided by the Fisheries Act 1996.

A ‘use’ statute – obligation to provide for use of resources while ensuring sustainability.

Act defines utilisation – to enable people to provide for their social, economic, and cultural well-being (conserving, using, enhancing, developing).

Fishing in the Hauraki Gulf provides total economic value of $122M and employment in the commercial fishing sector for 1200 (Barbera 2012).
**Sustainability** – to meet future needs and avoid, remedy, mitigate adverse effects of fishing on the aquatic environment.

Fisheries are renewable resources and can continue to produce for future generations.

Two constraints on renewability -

- Sustainable management of harvest
- Ensuring the environment remains productive
Sustainable use can be maximised by managing fish stocks at a level of a population that provides an optimal level of catch for the long term—the MSY (note pristine biomass levels allow no fishing).

Theoretically MSY is between 20-40% of the unfished biomass but by introducing the Harvest Strategy Standard we now target higher levels of biomass typically 35-50+. Achieving these targets will benefit the ecosystem.
The Total allowable Catch (TAC) is the sustainable annual catch for each fishstock that can be taken collectively by all fishing sectors. The TAC is set so to maintain a fishstock at or above a level that can produce the maximum sustainable yield (so consistent with International obligations). The TAC is allocated between fishing sectors – commercial, recreational and customary fishers.
4. Fishery management tools and how they are used

- The principal Fisheries Management tool is the setting of catch limits and is supported by:
  - Closed areas – Protect areas of importance to fisheries management by minimising catch of juvenile fish and reduce inter-sector conflict eg Harbours, inner Hauraki Gulf and 2 nm trawl closures
  - Closed seasons – conflict resolution and to restrict harvest to when in peak condition.
  - Prohibited species – protects rare or endangered species from the impacts of intentional fishing.
  - Gear restrictions – protects young fish and reduce the effects of fishing on the environment eg mesh sizes – 150 mm trawl cod end compared with general 100 mm cod end.
  - Tools such as mataitai reserves to provide for Maori customary use and management.
Closed areas, seasons and mesh restrictions in the Hauraki Gulf Marine Park area
Protected species – Black Petrel / Takoketai

NZ seabird risk assessment -
- Takoketai - species at Highest risk from fishing activities
- Risk - mainly from commercial long lines, particularly in HGMPA

Black Petrel Working Group formed 2014 –
- "work together to ensure black petrels and other seabirds thrive alongside fishing operations in the Hauraki Gulf."
- Action plan – to improve mitigation on board vessels - instituted Seabird Smart Training – Seabird Liaison officers work with fishers to develop Seabird Management Plan’s for each vessel
- Performance monitored through voluntary on-board cameras and observers
Benthic protection areas

A Benthic Protection Area (BPA) is a form of marine protection intended to protect the benthic habitat from fishing by restricting bottom-impacting fishing activities. BPAs cover about 28% of New Zealand’s marine area, noting that most are almost entirely in deep-water.

Protection may be necessary because

- How unique or rare are the benthic communities (case study Spirits Bay)
- The function they serve in marine production

We are aware of concerns particularly concerning marine production and are considering a new objectives based framework to better address benthic fishing impacts.
Impact of fishing on marine production is complex

The development of Ecosystem Approaches to Fisheries has been long on the wish-list both in New Zealand and overseas.

The problem is the multi-jurisdictional nature of the issue and that the information needs to directly incorporate ecosystem or community dynamics into stock assessments are largely beyond what can practically be achieved at the current time; this as much true in New Zealand as anywhere else in the world.
5. Fisheries management planning

Fisheries management policy in New Zealand is implemented through a series of National Fisheries Plans. These specify high-level and operational objectives for fisheries. Objectives are used as a basis for specifying required services including management, research and compliance activities. Performance against targets and objectives is reviewed annually. Protected and vulnerable species are managed through risk-based plans:

- NPOA-seabirds
- NPOA-sharks
6. What we know about Hauraki Gulf stock levels and updates to sustainability measures

### Status of Stocks relevant to HGMP

<table>
<thead>
<tr>
<th>At or above target</th>
<th>Below target</th>
<th>Not known</th>
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</thead>
<tbody>
<tr>
<td>Skipjack tuna, kahawai, gurnard, barracouta</td>
<td>Snapper, tarakihi, John dory, crayfish</td>
<td>Trevally, Jack mackerel, English mackerel, flatfish, leatherjacket, grey mullet, rig, parore</td>
</tr>
<tr>
<td>Actions include ongoing catch and effort monitoring</td>
<td>Actions – catch &amp; effort monitoring; age structure monitoring for snapper, tarakihi; assessment updates; rebuilding plan for tarakihi implemented 2018 to achieve target in 10 years, including TAC reduction; for John dory a TAC reduction in 2018; for crayfish a TAC reduction in 2018 and consulting on amateur bag limit reduction</td>
<td>Actions – ongoing monitoring; TAC reduction for flatfish in 2018 to align with recent catch levels although abundance increasing; assessment for trevally in 2020</td>
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Case study – Snapper

2013 Stock assessment
- accepted biomass target of 40% $B_0$ which is double the previous target
- stock is rebuilding (>60% increase in biomass (red line) since QMS entry) but still not at target
- uncertainty about longer-term biomass trajectory because recruitment influenced by factors out of our control

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<th>By stock</th>
<th>$B_0$ ('000 t)</th>
<th>$B_{2013}$ (%$B_0$)</th>
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<td>137 (108, 176)</td>
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<td>HAGU</td>
<td>220 (192, 246)</td>
<td>24 (19, 29)</td>
<td>168 (137, 206)</td>
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<td>BOP</td>
<td>86 (63, 112)</td>
<td>6 (3, 9)</td>
<td>148 (104, 209)</td>
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<td>HAGUBOP</td>
<td>306 (288, 325)</td>
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<td>167 (139, 201)</td>
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<th>By area</th>
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<th>$B_{2013}$ (%$B_0$)</th>
<th>$B_{2013}$ (%$B_{2000}$)</th>
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<td>EN</td>
<td>96 (85, 111)</td>
<td>20 (16, 25)</td>
<td>130 (108, 159)</td>
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<td>HG</td>
<td>211 (197, 227)</td>
<td>21 (17, 26)</td>
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<td>BP</td>
<td>64 (53, 74)</td>
<td>7 (5, 10)</td>
<td>145 (114, 185)</td>
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<td>HGBP</td>
<td>276 (258, 292)</td>
<td>18 (15, 22)</td>
<td>165 (136, 199)</td>
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</tbody>
</table>

$B_{2000}$ was taken as $B_{1999}$ for ENLD and EN, and as $B_{1988}$ for other stocks and areas.
SNA continued....

Rebuilding plan

- Aim to rebuild to 40% $B_0$ by 2040, with intermediate milestone of 30% $B_0$ by 2025
- Signalled moving towards equivalent allocation between commercial and rec sectors
- Next Assessment in 2022 to check progress
- Research trawl surveys (abundance of young snapper) and catch sampling to understand recruitment
- Based on sea surface temperatures, it is likely there were several strong recruitment years recently
- Industry have adopted a move-on rule to reduce catch of undersized snapper
- Mandatory reporting of sub-legal snapper to quantify potential waste
- Reporting by skippers validated by cameras and we are confident undersized catch is within the allowance set

The future

- DM will improve knowledge of catch and enable better monitoring and assessment
- More timely info will enable more responsive management
- Current allocation of ITQ as proportion of the catch limit means that management adjustments for sustainability purposes do not require buying back quota and catch limit changes can be responsive to the science
<table>
<thead>
<tr>
<th>Item 12</th>
<th>Accumulated funds as at 30 June 2018</th>
<th>$101,569</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Expenditure</strong></td>
<td>Forecast</td>
<td>Actual to end of October</td>
</tr>
<tr>
<td>State of the Environment report (assumes 3 x annual contributions of $50,000)</td>
<td>$50,000</td>
<td>$2,073</td>
</tr>
<tr>
<td>Communications (Annual report, seminar, website, gulf journal)</td>
<td>$40,000</td>
<td>$31,445</td>
</tr>
<tr>
<td>Education project (Marine park posters)</td>
<td>$10,000</td>
<td>-</td>
</tr>
<tr>
<td>Facilitation of responses to issues</td>
<td>$10,000</td>
<td>-</td>
</tr>
<tr>
<td>Administrative and travel expenses</td>
<td>$5,000</td>
<td>$1,254</td>
</tr>
<tr>
<td>Administrative authority expenses</td>
<td>$147,250</td>
<td>$58,999</td>
</tr>
<tr>
<td>26/12/2017 Auckland Council contribution offset (as received 10 Aug 2018)</td>
<td>-</td>
<td>$21,514</td>
</tr>
<tr>
<td><strong>Total expenditure</strong></td>
<td>$262,250</td>
<td>$107,900</td>
</tr>
<tr>
<td><strong>Revenue</strong></td>
<td>Forecast</td>
<td>Actual to end of October</td>
</tr>
<tr>
<td>Constituent Party contributions (2018/19)</td>
<td>$262,270</td>
<td>$262,270</td>
</tr>
<tr>
<td>Sponsorship (extends the Gulf Festival project)</td>
<td>$20,000</td>
<td>-</td>
</tr>
<tr>
<td><strong>Total revenue</strong></td>
<td>$282,270</td>
<td>$262,270</td>
</tr>
<tr>
<td><strong>Revenue less expenditure</strong></td>
<td>$20,016</td>
<td>$155,196</td>
</tr>
<tr>
<td><strong>Accumulated funds as at end of October 2018</strong></td>
<td>-</td>
<td>$356,736</td>
</tr>
</tbody>
</table>

Reconciliation

Funds required for reconciliation of 2018/2019 (assumes 100% of budgeted expenditure for 2018/2019 is committed) | $155,170 |

Uncommitted funds as at end of October 2018 | $356,736 |

Accumulated funds as at end of October 2018 | $356,736 |

All costs are presented exclusive of GST

Hauraki Gulf Forum Financial Report

as at end of October 2018

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