



Summary of progress on Te Mahere Rima Tau in 2021/22

A collective approach supported by the mahi
of numerous individuals and organisations

Presented by Bruce McKinlay and Trudi Webster
on behalf of the Hoiho Technical Group

Purpose



Progress on actions in Te Mahere in 2021/22

- Summary of highlights / lowlights / projects
- Complexity: tracking, multiple projects and people
- Full report available online

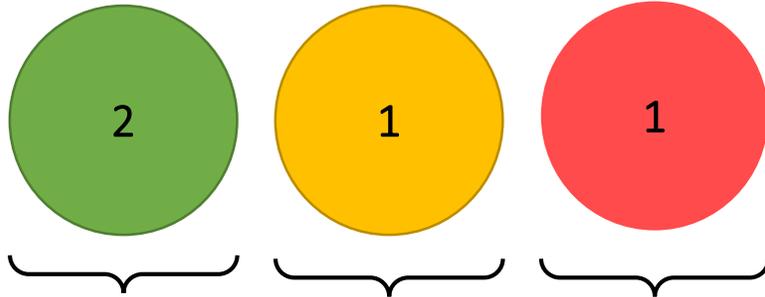
Priorities for 2022/23

Strategic Priority X

XXXXXX

The icon shows which of the 5 themes the priority falls under

The Strategic Priority is described here



Number of actions with **significant progress**

Number of actions with **some progress**

Number of actions **not started**

- XXXXXXXX
- XXXXXXXX

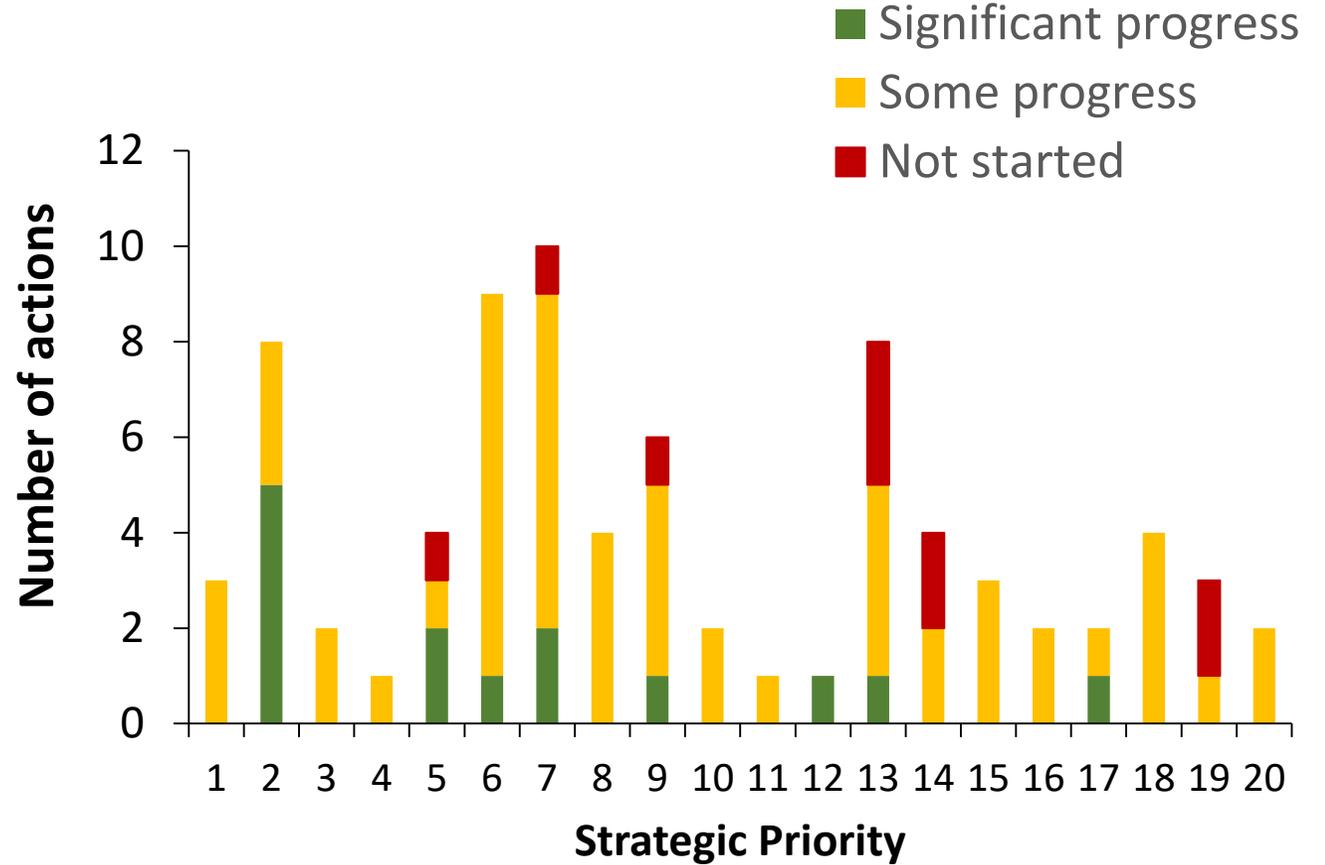
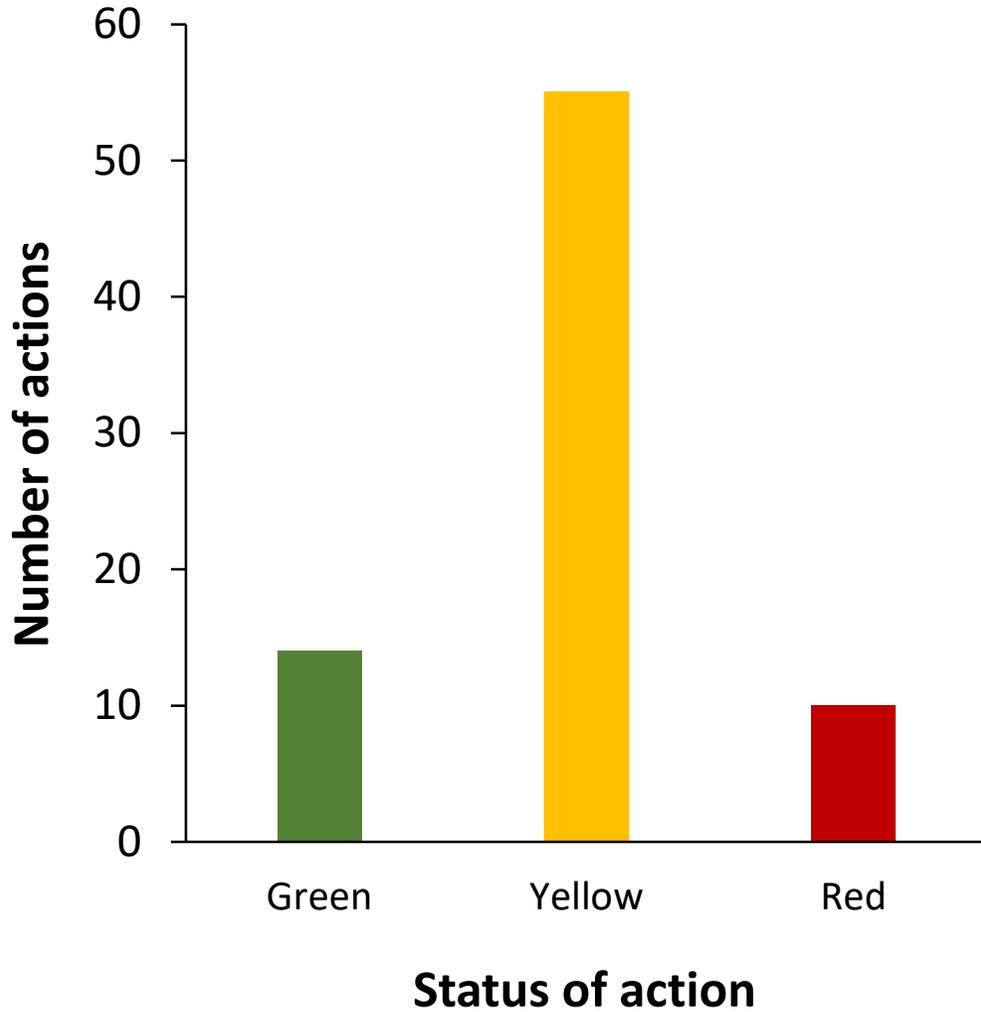


A summary of the highlights, lowlights and projects that have taken place this year under this strategic priority

How to interpret the summary of progress under each of the strategic priorities on the following slides

SUMMARY OF PROGRESS

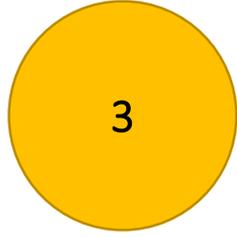
79 actions in 2021/22





Strategic Priority 1

Intervene and care for sick, injured or underweight hoiho to improve survival and breeding success.

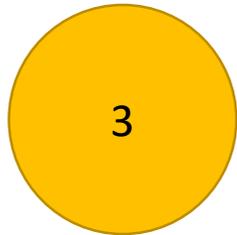
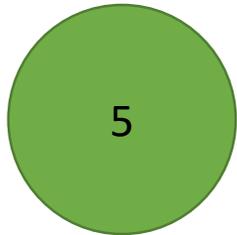


- Additional funding and rangers for organisations (e.g. JFN)
- Building conservation management programme, including new rehabilitation facility (Rakiura)
- Still no overarching system – HGG investigating business partnership



Strategic Priority 2

Minimise the impact of disease and unexplained mortality events on hoiho



- New chick management protocol (review in progress)
- Malaria action plan (review in progress); mosquito proof rehab (Rakiura)
- Analysis of respiratory distress syndrome
- PhD completed: malaria spatial/temporal dynamics (Otago Uni)
- Development of malaria warning system (Landcare)
- Pathogen discovery postdoc (Massey /Otago Uni)
- Vet coordinator and disease reporting



Strategic Priority 3

Follow appropriate kawa and tikaka for treatment of all hoiho

2

- New chick management protocol (review in progress)
- Overarching tikaka protocol not developed
- Dispensation submitted and awaiting approval (dispensation approved for dolphins – sets precedent)



Strategic Priority 4

Investigate and develop additional intervention options to improve breeding success and survival

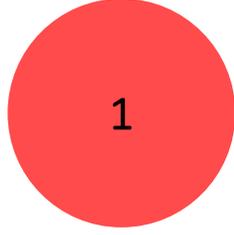
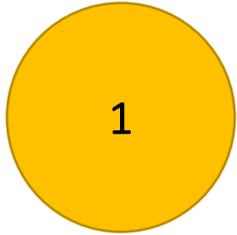
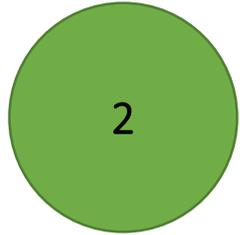
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- Improvements to fostering of chicks
- Development of egg management
- Improvements to disease treatment (increased chick survival rates)



Strategic Priority 5

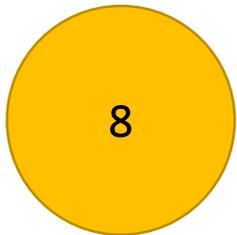
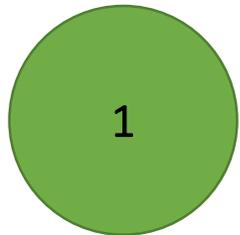
Ensure monitoring programmes, including cultural monitoring tools, provide quality information to support management decisions



- Monitoring protocol, increased efforts (e.g. Green Is)
- NZ Threat Classification released (increased qualifiers)
- Additional sites monitored and ongoing planning (Rakiura)
- Review completed on Subantarctic monitoring & objectives
- Disruption of trips to Subantarctic
- Cultural monitoring to enhance management (not started)

Strategic Priority 6

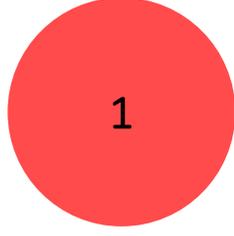
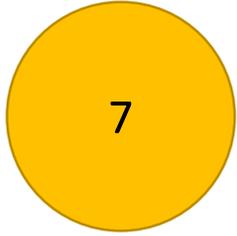
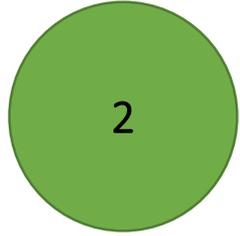
Ensure bycatch does not threaten hoiho



- Workshops & liaison with fishers & industry (e.g. potting, green LEDs)
- Fisheries Liaison programme (trawl / setnet)
- Setnet observer coverage: ECSI: 24%, SCSI 22%
- Fine scale position & electronic monitoring on vessels (phased rollout)
- Project underway to characterise fisheries overlap with hoiho
- Improved alert system for reporting bycaught hoiho
- Special permits enable alternate spearfishing method
- Info provided for fisheries risk assessment (AEBR)
- Voluntary closure around Whenua Hou (4nmi)

Strategic Priority 7

Protect and support marine habitats and ecosystems that nourish hoiho

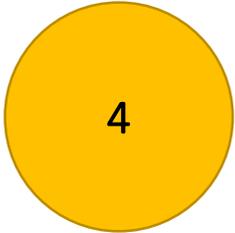


- ORC Regional Policy Statement working groups
- Workshop & planning to identify Significant Natural Areas (ORC / ES)
- PhD completed: marine distribution of hoiho (Otago Uni)
- MSc completed: foraging around Rakiura (Otago Uni)
- Research paper released on foraging in Auckland Is.
- Submissions: Climate Change Commission advice to Government
- Report on Rakiura hoiho tracking (Eudyptes)
- Multibeam analysis of foraging area overlap (Otago Uni)
- Advice for various marine resource consent applications
- MVSc underway: predator injuries (Massey Uni)
- Research on predation from sea lions (not started)



Strategic Priority 8

Ensure marine pollution, disturbance and noise do not threaten hoiho



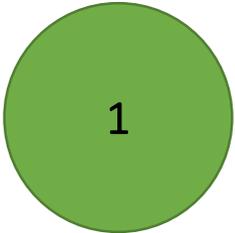
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- Annual meeting and report DCC 3 Waters Wastewater liaison group, and relationship building (CDC, SDC)
- Review on impact of sedimentation on seabirds (Northern NZ Seabird Trust)
- Liaison with marine scientists (ORC, ES)
- Mercury testing conducted (chicks)

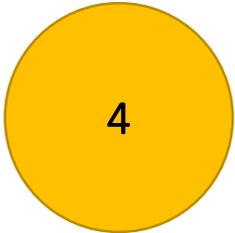


Strategic Priority 9

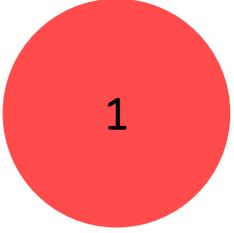
Reduce the impact of tourism and recreation activities to ensure they do not threaten hoiho



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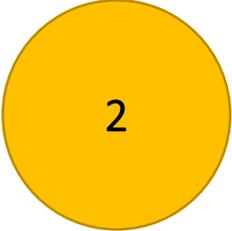
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- Extended spatial closure at Boulder Beach, closure of Tavora, partial closure at Sandfly Bay
- Install barrier & sign at Katiki Point (Moeraki runaka, TRoNT)
- Track re-alignment plan at Sandfly Bay
- Advocacy and reporting (summer rangers)
- Volunteers at Nugget Pt, but minimal at Curio Bay
- Education / advocacy press releases & social media
- Reduced visitors (visitor counters)
- DOC compliance App - incident recording
- Submissions to CDC on vehicles on beaches
- Economic analysis of the value of hoiho not started



Strategic Priority 10

Eliminate mortality from dogs



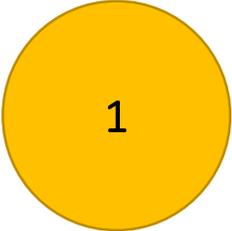
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- DOC Compliance App to aid enforcement & improve processes
- Submission to DCC on dog control
- Revitalise *Lead the Way Programme*
- PhD underway: review of messaging & recommendations (Otago Uni)



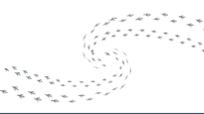
Strategic Priority 11

Provide opportunities for Kai Tahu to exercise kaitiakitaka



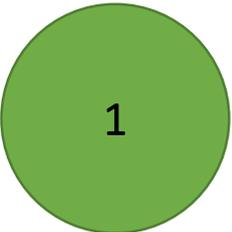
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- Kaitiaki ranger at Katiki Pt
- Interpretation panel installed at Katiki (Moeraki runaka, TRoNT)



Strategic Priority 12

Minimise stress and disturbance from research and management activities



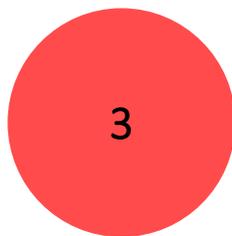
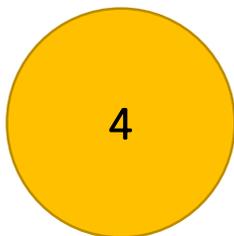
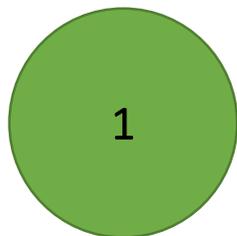
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- Disturbance only when direct benefit for hoiho managed through Wildlife Act permissions and operational protocols & SOPs



Strategic Priority 13

Effectively control mammalian land-based predators at hoiho breeding sites

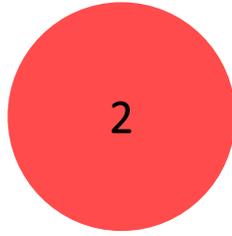
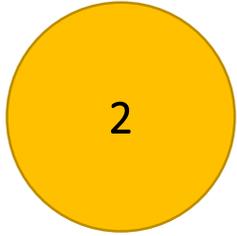


- Auckland Islands: feasibility trials, but wider project deferred
- Cooperation with PF Dunedin, PF2050, Halo Project and OPBG to develop tools & best practice
- PF Rakiura: partnership with Landcare & new project team
- Additional trap coverage (e.g. Long Pt, Papanui)
- Support development of thermal camera technology (Cacophony Ltd, RMLT)
- Monthly checks and pig control in North Otago, pig control at Hina Hina
- Implementation of management tools from kaitiaki (not started)
- Identification of employment opportunities for Kai tahu (not started)
- Weka predation analysis (not started)



Strategic Priority 14

Provide habitat on land that protects hoiho and buffers against natural events and other impacts

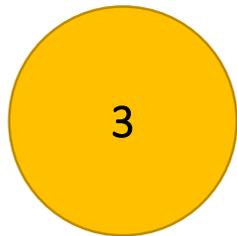


- Continuous site based management to manage risk (e.g. firebreaks, fire plans, stabilising cliffs, ensuring tracks in eroding dunes, planting to reduce run-off, removal of pooled water)
- Continuous site based management to optimise habitat (e.g. tracks for hoiho, nest boxes, shade, flood protection)
- Ensure public conservation land prioritises hoiho conservation (no progress)
- Engage with landowners to ensure statutory protection of habitat (no progress)

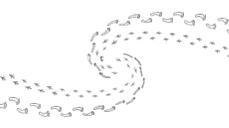


Strategic Priority 15

Protect hoiho and habitat from the negative effects of stock and browsers

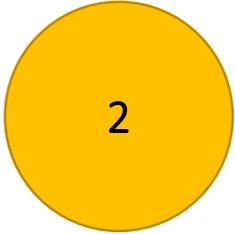


- Ongoing liaison about stock with landowners & fixing fences
- Site based implementation of wild browser control
- Possum control (including via PF2050, PF Dunedin, OPBG, Halo Project)
- Improved and coordinated rabbit control (ORC)



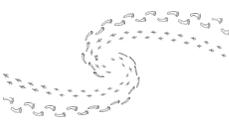
Strategic Priority 16

Prioritise and support resourcing of hoiho conservation



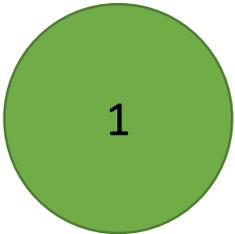
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- Limited funding available, applied for by organisations (e.g. JFN)
- HGG advocating to move to sustainable funding & business partnership

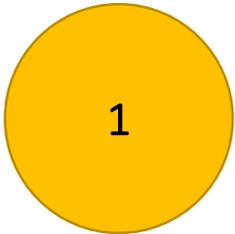


Strategic Priority 17

Support delivery of hoiho conservation through effective communication and collaboration



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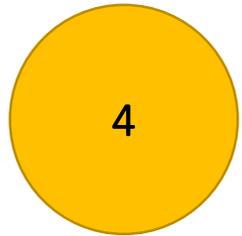
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- Communication mechanisms:
 - pre-/post- season meetings
 - regular email updates
 - annual symposium
 - Kaitiaki roopu & Whenua Hou committees
 - working groups (e.g. fisheries info group, disease, AEWG)
 - advisory groups (e.g. Okia, Te Rere)
- Collaboration with local Government: ORC RPS working groups, Significant Natural Areas workshop (ORC / ES), reports to ORC councillors / executive, liaison with biodiversity and marine teams



Strategic Priority 18

Ensure Kāi Tahu is engaged in decision making from the flax roots to governance



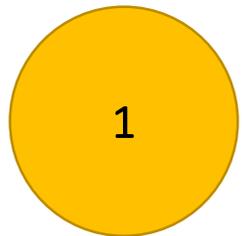
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- Crown Treaty partnership
- HGG/ HTG partnership
- Kaitiaki roopu, Whenua Hou Committee, RMLT, Papatipu rūnaka
- On the ground involvement (e.g. Kaitiaki ranger at Moeraki)

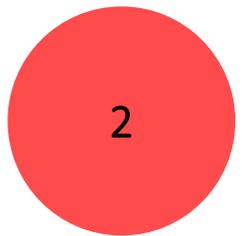


Strategic Priority 19

Ensure research is strategic, well coordinated and includes Mātauranga perspectives



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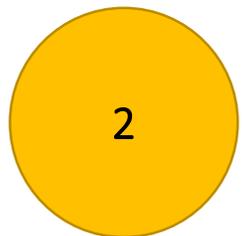
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- Coordination and identification of research through Te Mahere
- Dissemination of research at Symposium and through updates
- Mātauranga Māori based research opportunities (not found)
- Opportunities for Kai tahu to undertake research (not found)



Strategic Priority 20

Ensure accurate, usable and accessible data contributes to hoiho conservation

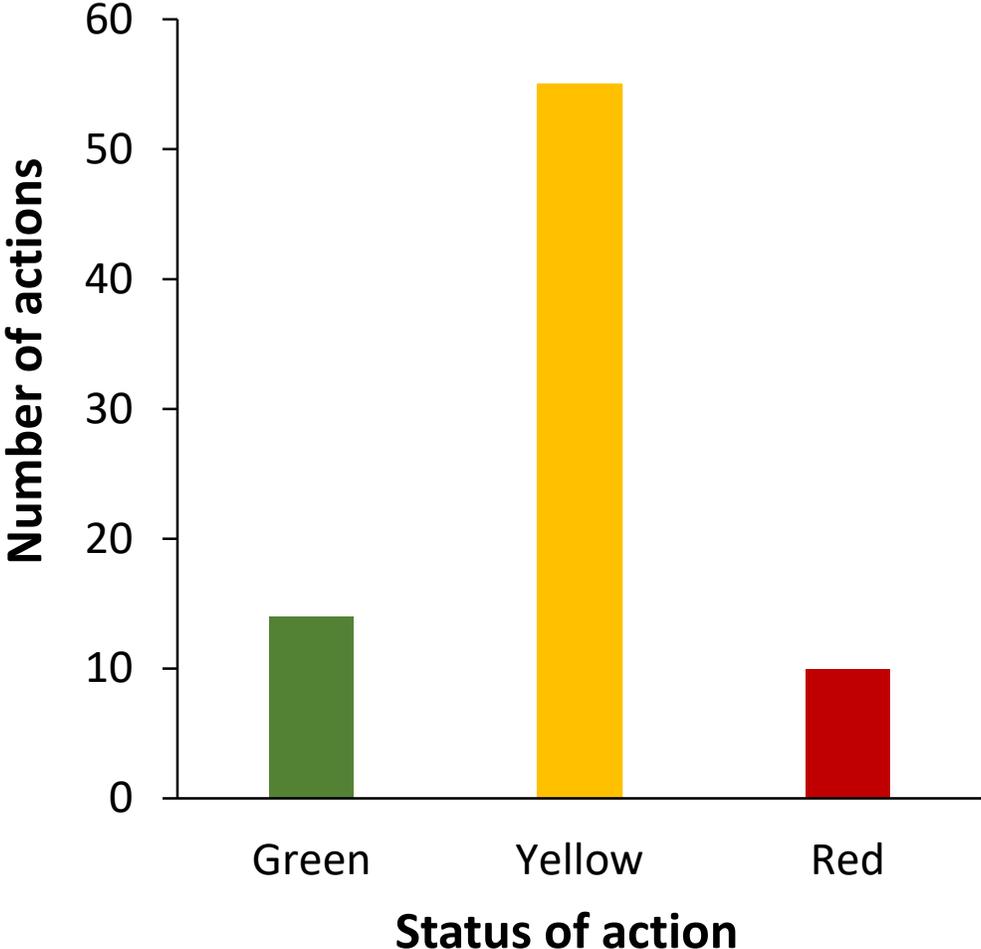


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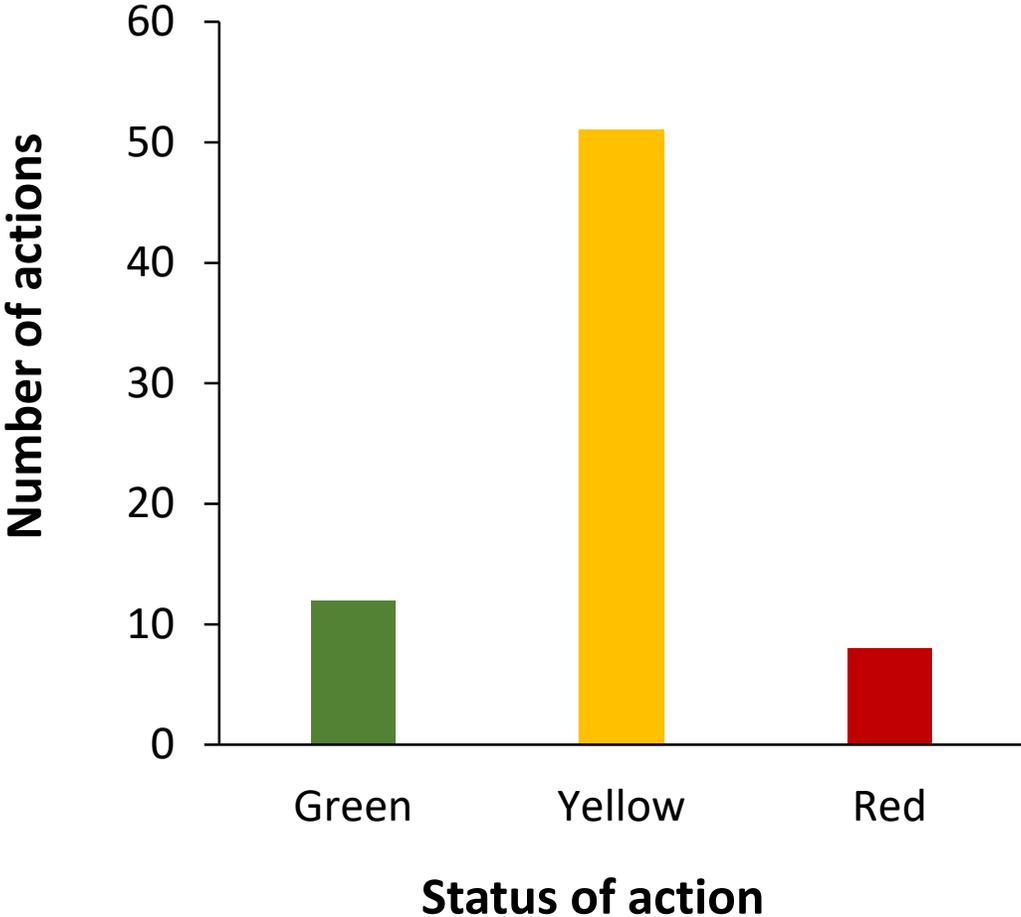
- Permit conditions to set standards for data, case by case
- Data collection and sharing (e.g. shared googledrive, database)
- Project to groom hoiho database
- Diseases monitored via vet coordinator

THIS YEAR COMPARED TO LAST YEAR

This year: **79 actions**



Last year: **71 actions**



PRIORITIES FOR 2022/2023



- Progress MBIE application led by papatipu runaka to weave together Mātauraka Māori & western science to support recovery of hoiho
- HGG to progress sustainable resourcing & business partnership
- 100% electronic monitoring coverage (setnets)
- Plan and resource work to improve outcomes for hoiho on Rakiura (including Whenua Hou)
- Rehab facility fully up and running on Rakiura
- Engagement with local Government on policy design and implementation and identification of significant natural areas
- Progress research into chick respiratory distress syndrome
- Pathogen discovery postdoc (including samples from Rakiura)
- Complete reviews of malaria plan & chick management protocol



Please send any additional feedback on progress this year or priorities next year to the Hoiho Technical Group:

hoihofeedback@doc.govt.nz

Progress report & summary presentation will be available at:

www.doc.govt.nz/hoiho-recovery