Hauraki Gulf Update









SCIENCE
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Globally significant marine mammal habitat







33 species of marine mammals







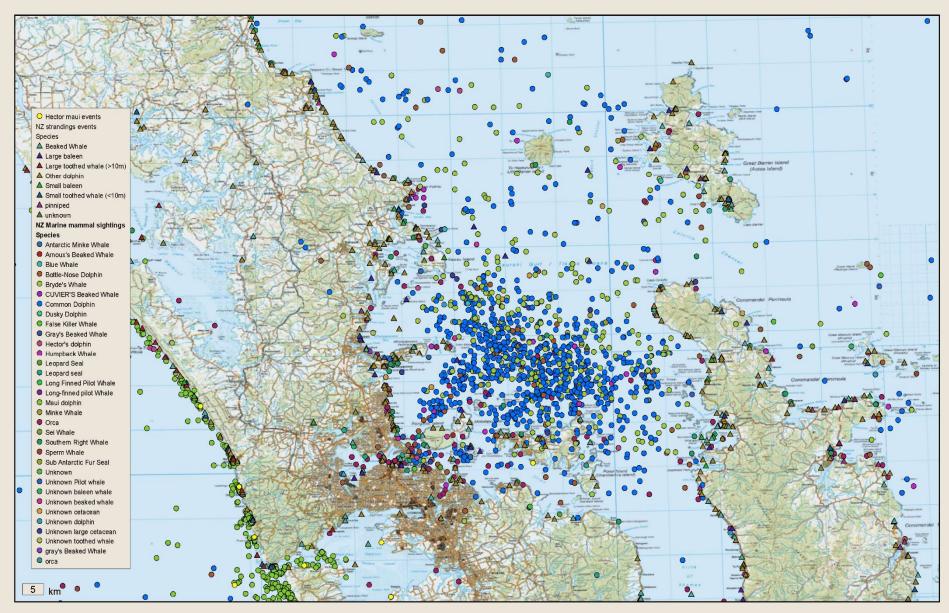
A third of the world's marine mammal species that visit annually







At least six species of cetaceans are resident



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Mammal stranding and sightings events



Globally significant seabird & shorebird habitat



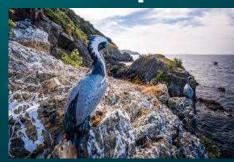




Over 70 seabird species – 20% of world's seabird species







27 seabird species breed in the Gulf, 60% endemic





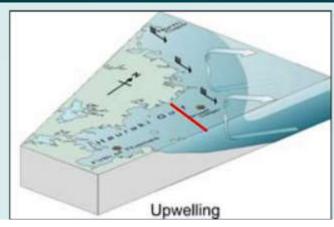


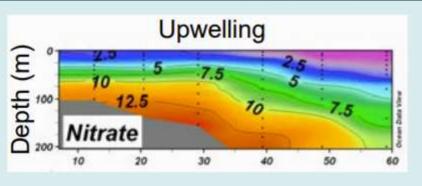
132 bird species Firth of Thames. 35,000 waders visit each year

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Highly productive marine ecosystem







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Significant range of coastal & underwater habitats







1.2 million hectares of water space, coastal shallows to deep shelf







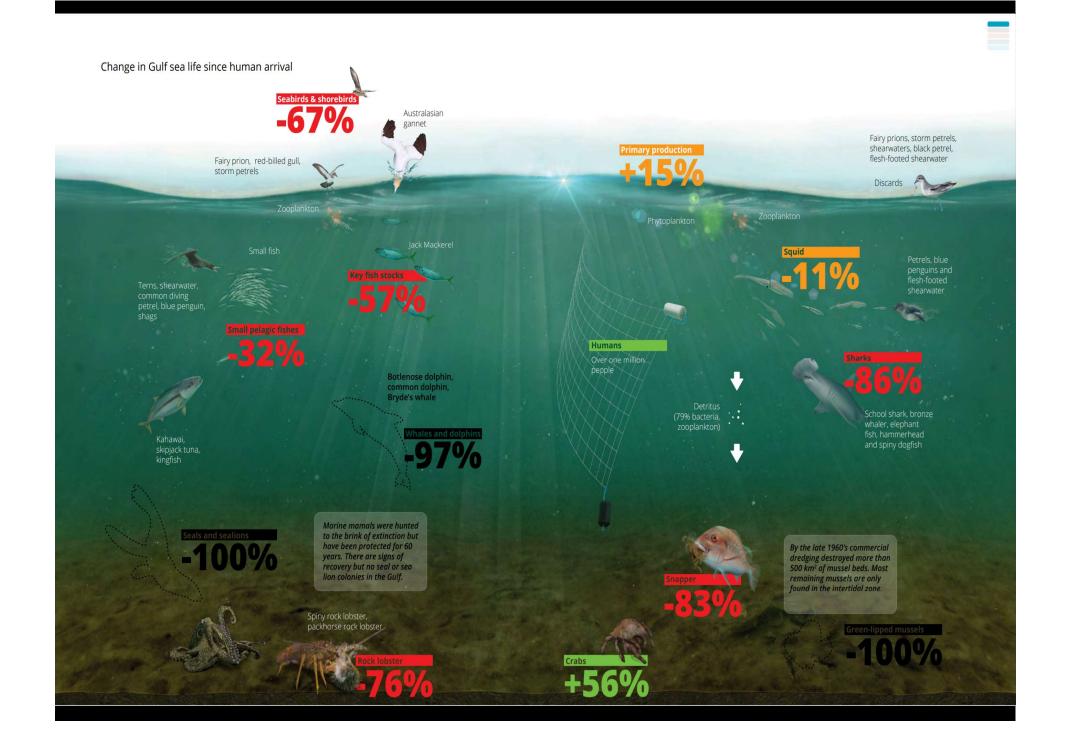
Complex coastline with 100's of islands - inshore and offshore







Influenced by warm current from Australia – immigrant species





Hauraki Gulf has lots of problems



We are slow to sort out the problems





Revitalising the Gulf

Government action on the Sea Change Plan



Government Strategy in response to the Sea Change -Tai Timu Tai Pari - Hauraki Gulf Marine Spatial Plan

June 2021



May 2017 – SeaChange Plan

June 2021 Government Response

6 years!







1. Fisheries Management

- Formulate a fisheries plan by June 2022 that aims to restore fish abundance within the Gulf, with advice from a stakeholder Advisory group
- Removing some bottom trawling
- Freezing commercial scallop dredging footprint, banning recreational dredges
- More intertidal harvesting controls, e.g. seasonal closures

Greater mana whenua and regional involvement in fisheries

management



1. Active Habitat Restoration

Establish a habitat restoration framework in 2021



Mussel beds versus bare seafloor

- 6 times the productivity same as a rain forest
- 4 times more mobile critters crabs, worms, snails etc
- 10 times more small and juvenile fish
- 3 times more types of species
- Removes excess nitrogen from the water
- Before 1950's mussels production around 16,000 tonnes of small fish a year
- Now only 20 tonnes of small fish a year

(McLeod et al. 2012, McLeod et al. 2014)

3. Aquaculture

Reduce impediments to aquaculture 2023

4. Marine Biosecurity

• Support regional marine biosecurity initiatives.



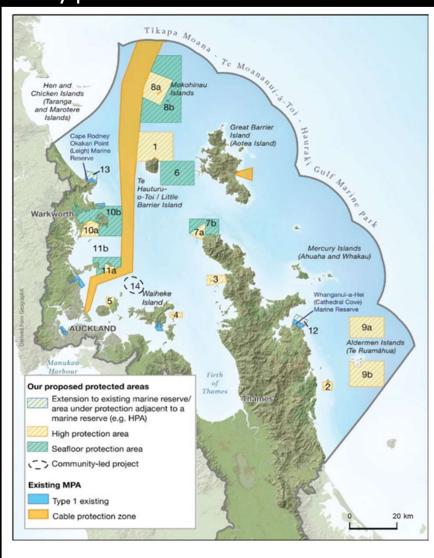




5. Marine Protection

- 11 new high protection areas allow customary practices new laws 2024
- 5 seafloor protection areas
- 2 marine reserve extensions
- Protection from 6.6% to 17.6% of Gulf





6. Protected Species

- Reducing threats to nesting seabirds on islands
- Improving fishing bycatch measures
- More research and monitoring
- All done in next three years



7. Ahu Moana

- Pilot projects in 2021 to improve fisheries and conservation in local areas
- Mana whenua and local community ambitions
- Supported by fisheries regulation
- Framework by 2023



8. Governance

- Cross agency implementation group
- Determine a future governance framework which includes Treaty negotiation outcomes.



Other Issues for Yachties

The *proposed*Clean Hull Plan-He tai ora

an inter-regional marine pathway-management plan









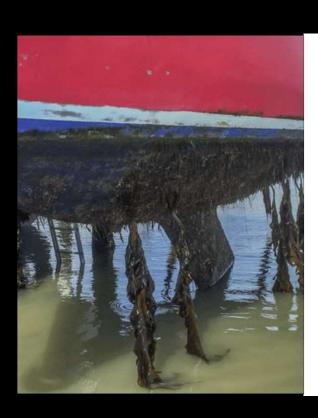






Proposed Clean Hull Plan Rules

- Applies to ALL marine craft that are moored or berthed in water, but not trailer boats
- Any associated "in-water" gear or equipment
- Any marine structures, except marine farms
- The upper North Island out to 12 Nautical miles



Includes four potential rules for boat and marine-structure owners:

- 1. Craft must meet a biofouling standard when moving the proposed standard is 'slime layer and barnacles only'.
- 2. Gear and equipment must be free of fouling and sediment.
- 3. Operators to provide information in relation to hull maintenance and craft movements.
- 4. A fourth potential rule would require a marine pathway risk management plan for high-risk structures, such as significant ports, wharves, marinas, and haul-out and cleaning facilities (except where covered by a recognised biosecurity programme).

Proposed Clean Hull Plan Rules

- Introduction of hull cleaning rules
- Introduction of hull cleaning and antifouling standards
- If biofouling on hulls exceeds threshold, boat only allowed to be moved to be cleaned.
- Compliance and enforcement funded by Govt and owners



Significant Environmental Issues

• Toxic copper leaching from vessel hulls in Auckland's marinas was the single largest source into Auckland's marine environment, over 3 tonnes a year.







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