



# Aerial Surveillance Complementary Capability Workshop

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# Biosecurity - Current Maritime Challenges

## Pre-border

- Identifying and managing threats
- Awareness of vessel movements
- Compliance with biosecurity requirements

## In NZ waters

- Vessel movements between NZ ports
- ‘internal pathway’ for the spread of unwanted marine organisms.

## Threat Vectors

### Biofouling



Ballast water



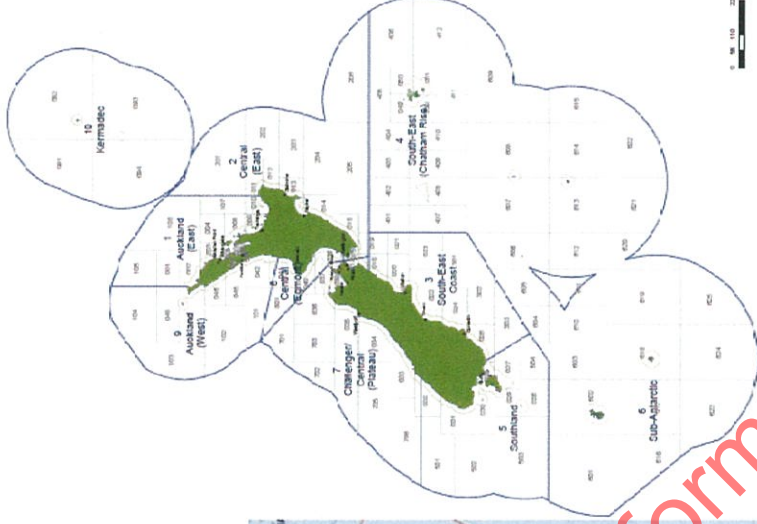
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## Fisheries Current Maritime Challenges

... a global responsibility

- NZ Fisheries Waters
- Western & Central Pacific
- Southern Ocean and Antarctica
- NZ fishing vessels and NZ Nationals



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## Future Challenges

### Biosecurity

- Spread of pests and disease globally
- Increased trade flows, global supply chains
- Diminished/non-existent biosecurity systems in other countries
- Mitigating risks pre-border with timely information

IF YOU FIND ONE OF THESE  
IN YOUR GARDEN:



### Fisheries

- Contestability over the use of the domestic maritime domain (fish vs non-fish)
- Eco-system and environmental pressures
- South Pacific region's fisheries and wider security concerns
- ***MPI decision making will need to be supported by timely, robust and cohesive information***



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## Aerial Surveillance

### Current

- Part of a suite of tools
- Awareness of vessel or other human activity
- Independent verification of vessel location and activity
- Environmental and eco-system information
- Evidence collection for prosecutions
- A deterrent to non-compliance

### Challenges





# Fixing current air surveillance



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