Marine Biosecurity

Exclusion, eradication or effective management of risks posed by pests and diseases to the economy, the environment and human health

Unlike “traditional” pollutants, marine pests and diseases can have irreversible national scale impacts

- Asian kelp affects natural habitats
- Sea squirt affects mussel culture
- Sea squirt clogs salmon farm nets
What we are grappling with now

- **Styela** – removal in Picton and some of Nelson

- **Sabella** – removal in Nelson searching Waikawa

- **Undaria** – slowly spreading
Others on their way

- Pyura
- Eudistoma
Marine Biosecurity Partnership
Partnership support

- X1 Partnership Forum
- X4 Management Committee meetings
- X2 Iwi 8 meetings
- Monthly project management and reporting
Public awareness and networking

Website
Newsletters
Media
Networking
Projects

- Regulatory solutions
- Science support
- Monitoring
- Incidents
- National links
Raroa, Manini, Prince of Tides – good news stories
Ongoing risks
Incursion responses

Manini
Raroa
Prince of Tides
Spirit of Independence
Nelson *Sabella* finds
Picton *Styela*
Waikawa *Sabella* and *Styela*
Publications

• Vessel Hull Fouling as a Marine Biosecurity Indicator In the Top of the South 2013 Survey
• Management of the Clubbed Tunicate, *Styela clava*, in Picton October 2013
• Incursion Response Manual Version 2.6 January 2014
• Operations Manual 2.6 January 2014
• Newsletters x4
Reports

Policy package
Intertidal cleaning
Regional pathways plan
Berth agreements
Incursion and near miss register
Sabella response options
Business Plan
2014/2015
Focus on regional pathways
Commercial vessels
Recreational vessels
2014/2015

Projects $60,000 54%
Regional Coordination $35,000 32%
Engagement $15,000 14%
Engagement $15,000

- Operating $730 (5%)
- Website $2,500 (17%)
- Media $1,450 (9%)
- Networking $10,320 (69%)
Projects $60,000

- Incident response $6,700 (11%)
- Incident readiness $4,450 (7%)
- Survey and monitoring $0 (0%)
- Science support and technical solutions $15,000 (25%)
- Links to national developments $3,450 (6%)
- Pathways Plan $34,400 (51%)
What does the law allow?

- Regional pest management plans x2
- Regional pathway plan x1
- Regional coastal plans x3

What are the operational requirements?

Intelligence

Surveillance

Operational response

Infrastructure

Systems and processes

Enforcement

Awareness and socialisation
Effective vector management

• Engages the full range of stakeholders in reducing biosecurity risks
• Identifies high risk vessels
• Inspects high risk vessels and other vectors
• Removes the risk or excludes the high risk vector from the region
• Allows low risk vessels to move freely with a minimum of compliance requirements