

Group Marine Biosecurity Plan

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Peel Ports
More Than Ports



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Plan Objectives

- Discuss the **business risks** INNS pose to port marine operations
- Highlight the **pathways for the introduction and transfer** of INNS across marine environments
- **Educate and raise awareness of marine biosecurity** amongst Peel Ports Group employees and port stakeholders
- Provide tools to facilitate **best practice biosecurity management measures** during project or maintenance works across Peel Ports Statutory Harbour Authority areas to reduce the introduction and transfer of INNS
- **Embed biosecurity management** into all marine projects and large-scale Group developments



Pathways of INNS transfer in port marine environments

- Biofouling
- Hull cleaning
- Vessel layups
- Ballast water transfer
- Plant and equipment
- Navigational aid cleaning
- Dredge material
- Marine litter
- Aquaculture
- Accidental/deliberate introduction of INNS
- Recreational vessels
- Water sports
- Terrestrial pathways
- Contractors
- Climate change



Ballast water transfer and biofouling removal

- Restrictions on in-water hull cleaning
- Requirements for vessel layup's
- Ballast exchange in accordance with Ballast Water Management Convention



Picture: Nicole Read Peel Ports

Plant equipment

- Dredging contract requests a biosecurity RA
- Increased awareness of check clean dry
- Biosecurity risk assessment for port works
- Conditions on marine works licence

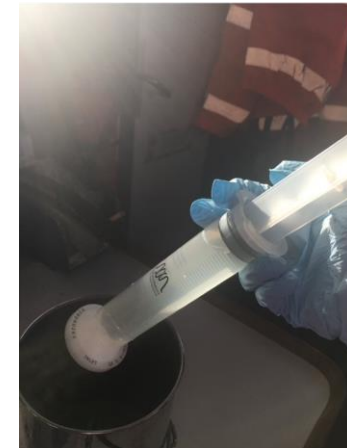
Recreational activities

- Holding workshops with local marinas to understand local IAS control measures and educating port leisure users.
- With the help of the Angling Trust Peel Ports has installed check- clean-dry signs
- Annual port leisure user meetings



Picture Chris Davies Peel Ports

Baseline data collection



Next steps



- **Peel Ports:**
 - Training developed
 - MEIN on website for common risk activities
 - Implementation across projects teams etc as well as marine
 - Biomatrix shells – biodiversity enhancement

- **Industry level:**
 - UKMPG/BPA environmental guide
 - PIANC WG218 report

Collaboration opportunities?

Thanks for listening!

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