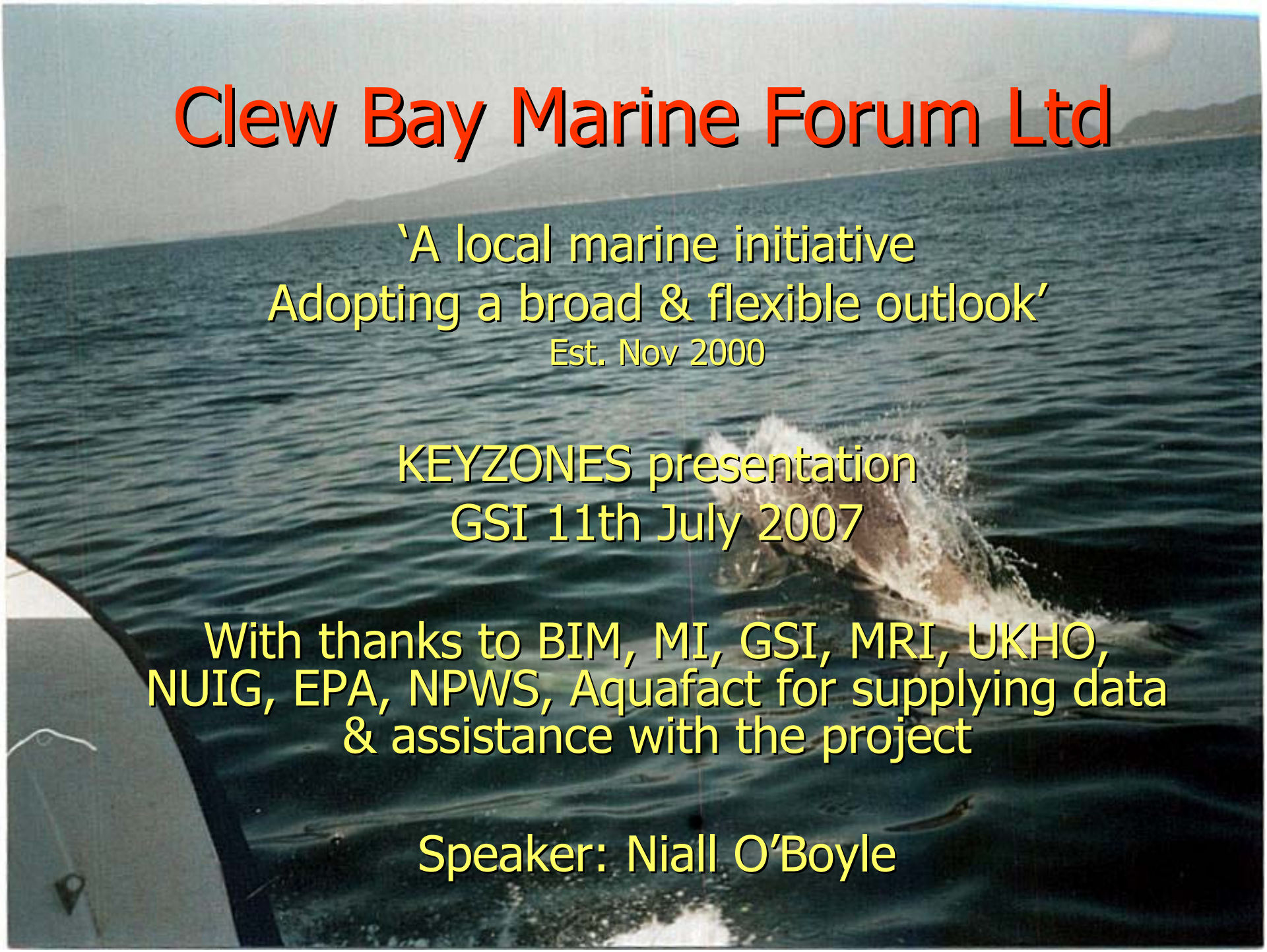


# Clew Bay Marine Forum Ltd

'A local marine initiative
Adopting a broad & flexible outlook'
Est. Nov 2000

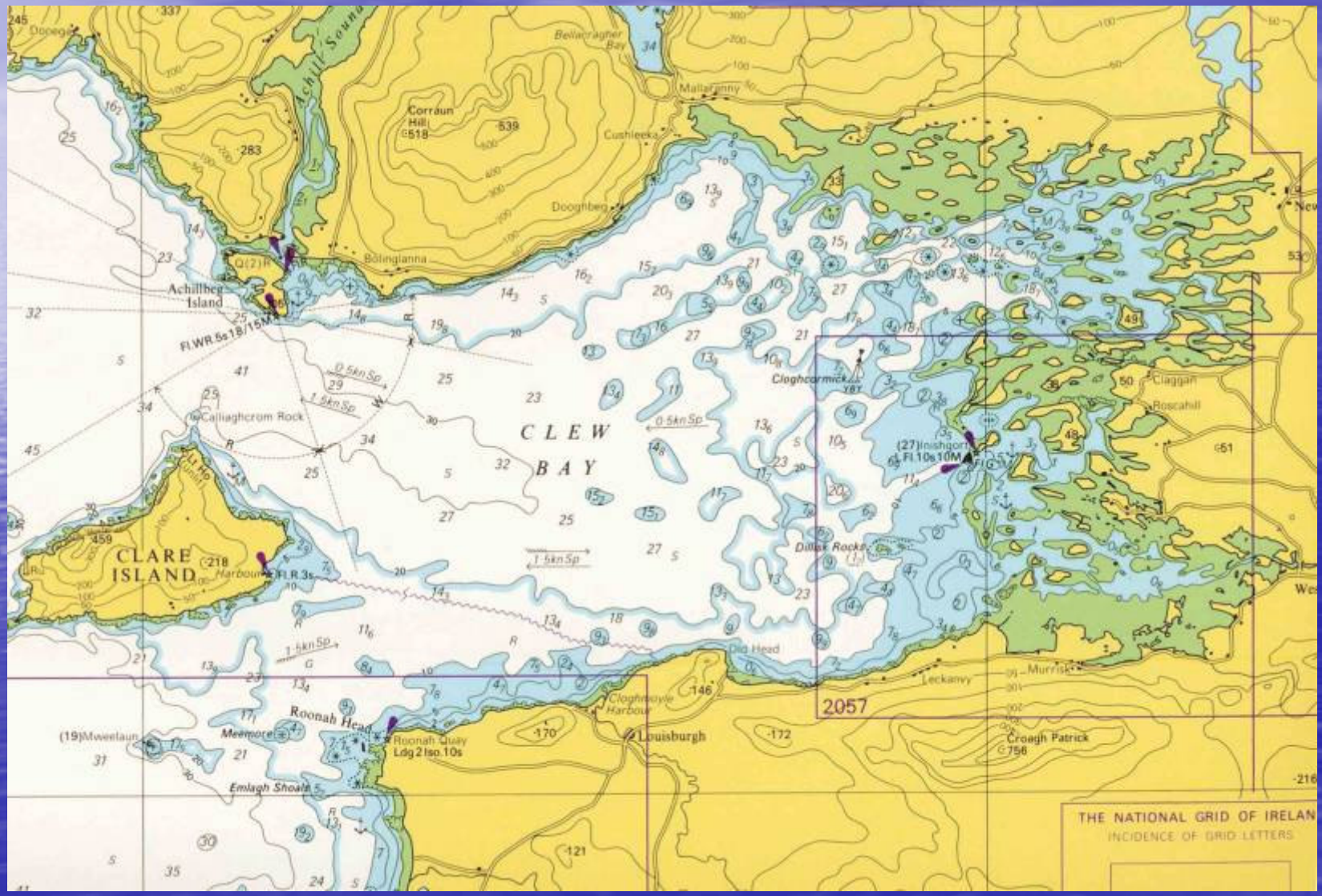
KEYZONES presentation
GSI 11th July 2007

With thanks to BIM, MI, GSI, MRI, UKHO, NUIG, EPA, NPWS, Aquafact for supplying data & assistance with the project

Speaker: Niall O'Boyle

# Carrying capacity

# Clew Bay
## Area of activity



# Why KEYZONES

Opportunity to :-

- Review & assemble existing data
- Compile archived data to provide a clearer picture of the Bay.
- Identify additional data requirements
- Develop scientific model to underpin a predictive bay management strategy – Providing an effective management tool

Our Requirements :-

- Enhance co-ordination of aquaculture management
- Model increases in production areas for oyster & mussel farms
- Determine optimum stocking densities
- Determine optimum shellfish harvest time in relation to growth rates & meat contents
- Model climate change scenarios
- Model impacts of sewage, leachate & other pollution sources on shellfish farms

Additional questions :-

- How accurate will carrying capacity model be given data limitations?
- How will the model be kept updated?
- What management structures will make use of the model?

# Improving Bay Management

More effective bay management could be achieved by coordinating an area based management approach.

Requires an adequately funded lead strategy group

Aims:-

- Identify management decisions required to manage bays or marine zones.
- Identify marine management zones & model their temporal & spatial uses
- Determine how best to use scientific tools and identify which tools are required to underpin zone management decisions
- Determine & devise coordinated protocols for statutory & management monitoring requirements
- Determine structures for bay management that utilise local desires for inclusion & promote integration of marine & terrestrial activities
- Identify conflict reduction measures for multi use areas