CLIMATE & AIR QUALITY

- Shipping goods by sea has the lowest carbon transport footprint.
  Ship 1% rail 10% road 100%

- Macro & Micro Climate issues will be discussed

- The New Port will require less vessels and ship movements as boats will be bigger, fewer, more efficient and environmentally friendly

- Existing and future port air quality regarding dust and fumes will be studied and compared

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PARTNERS IN SUSTAINABLE DEVELOPMENT

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AIRBOURNE NOISE

- Survey Existing Noise from Shipping, Loading / Unloading and Transport of Goods to and from the Port

- Port Activity Noise is now being generated in the existing dock area i.e. within city area

- Noise from the New Port will be moved seaward

- Port Operations at the new location will be undertaken with more modern, quieter equipment

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UNDERWATER NOISE

- The amount of underwater construction noise from the proposed dredging, drilling, blasting and pile driving will be studied

- The effects of such underwater noise on fish (salmon and eel) and marine mammal (seals, porpoises and dolphin) and their behaviour will be studied

- The effects of shallow water and the soft muddy/sandy bottom in the area to dampen underwater noise transmission are being studied

- Noise control measures appropriate to the construction of the project are being developed in conjunction with the wildlife contributors

SITE AMBIENCE AND VIEWS

- Location of view for analysis of proposed harbour development
- Analysis to examine the existing and potential impact on the view

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P. C. Roche and Associates
landscape architects and site planners

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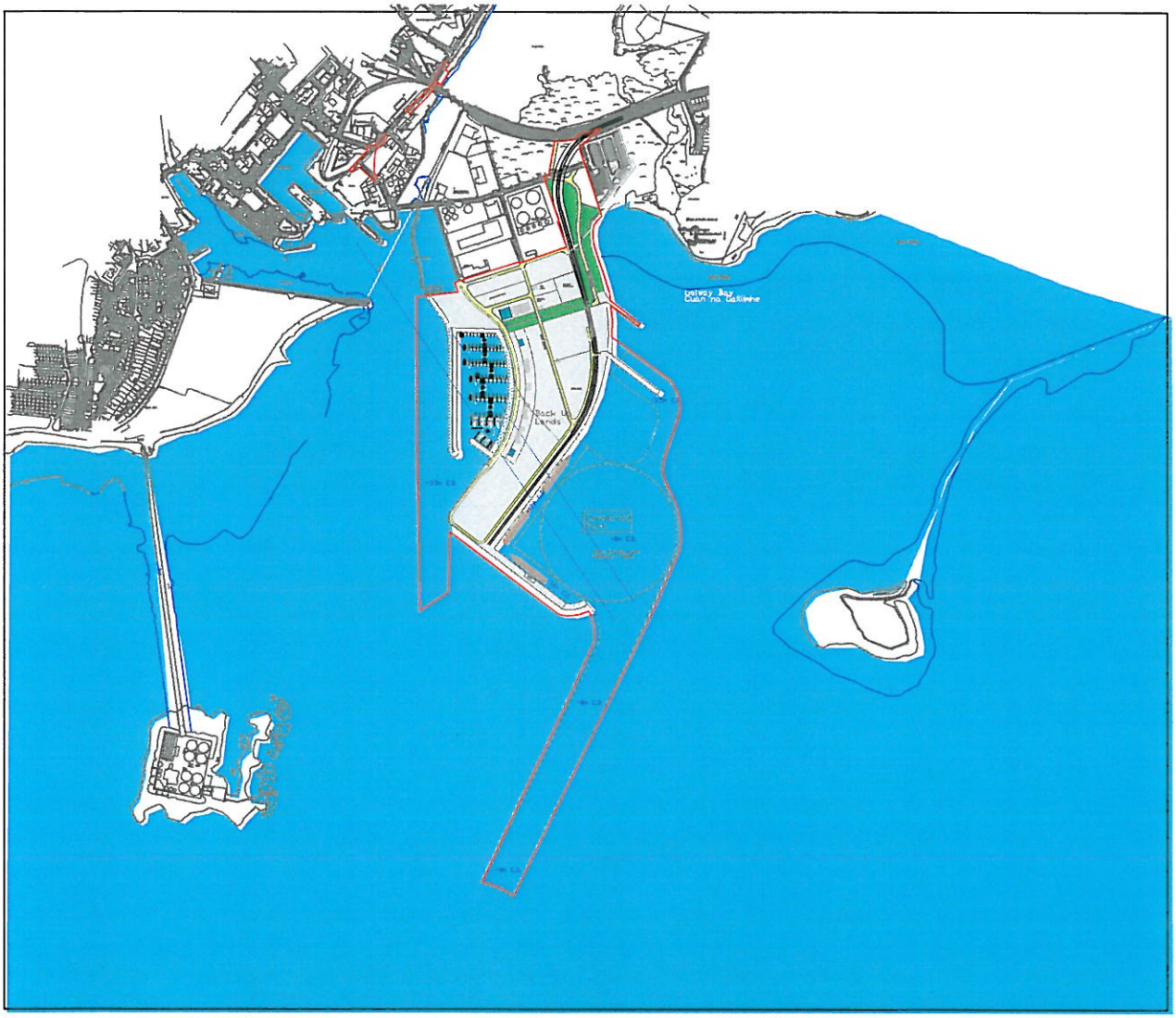
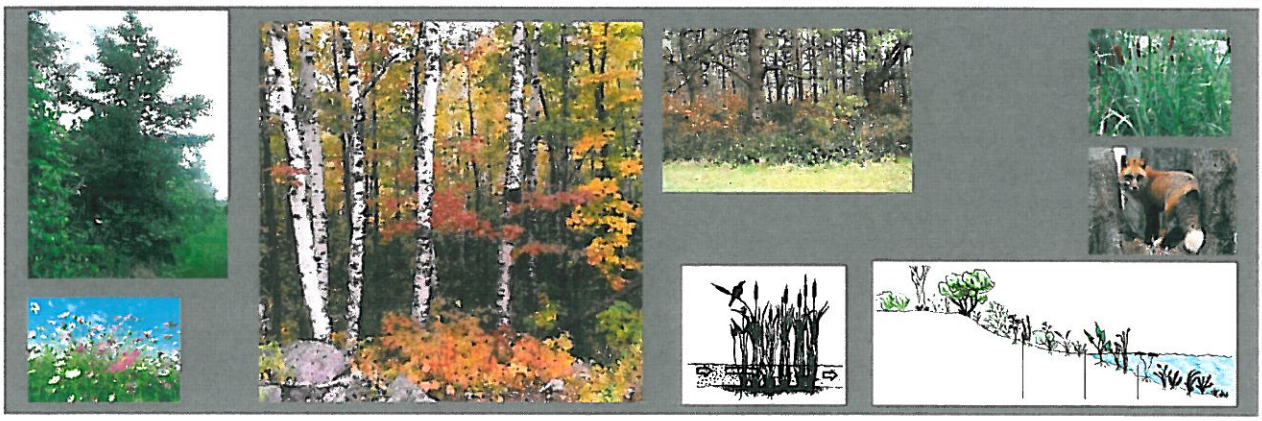
LANDSCAPE MASTERPLAN AND WILDLIFE CORRIDORS





Galway Harbour Company

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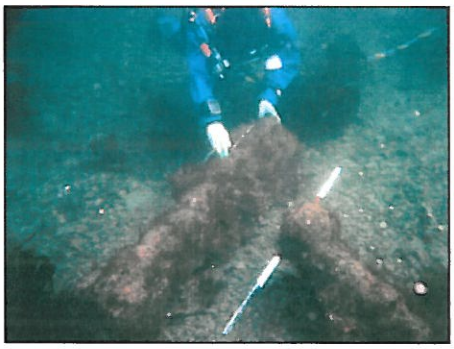
Archaeology and Cultural Heritage

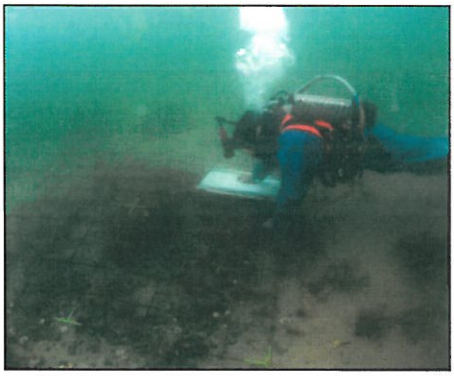
Terrestrial & Underwater Archaeology

Underwater Geophysical Survey



Geophysical Anomalies – Possible Shipwrecks

Archaeological Dive Truthing



Sediment Depth – Possible Shipwrecks

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Archaeology and Cultural Heritage

Research Study, Field Study, Geophysical Analysis and Dive Survey

Record of Monuments and Places

Topographic Files, National Museum of Ireland

Aerial Photography

Shipwreck Inventory of Ireland

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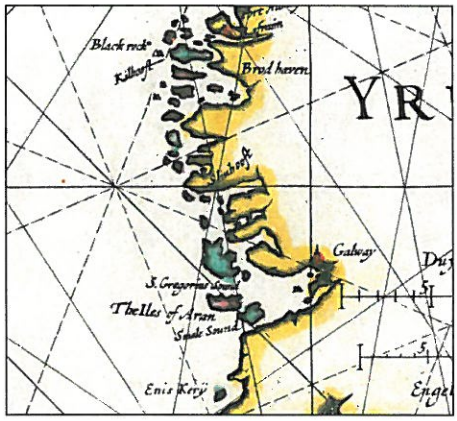
Archaeology and Cultural Heritage

Intense Archaeological Activity – Maritime & Terrestrial



Cartographic / Photographic Sources

Lough Atalia Bridge

Shoreline Field Assessment

Preservation Methods

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ARCHITECTURAL STUDIES OBJECTIVES

- New Harbour to be visible, accessible and attractive.
- Provide a form appropriate to its bay setting.
- Maintain its umbilical cord to the city.
- Establish connections to the city and waterfront routes.
- Respond to its nearest land boundaries.
- Provide for the public realm.
- Create a new maritime identity in the bay.
- Provide a positive arrival for Cruise Passenger traffic.
- Separate pedestrian, vehicular and rail movement.
- Exploit its amenity, recreational, leisure and event potential.

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RODDY MANNION ARCHITECTS

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ARCHITECTURAL STUDIES VISION

- Re-establish its maritime visibility in a modern expanded city.
- Retain its visual and symbolic connection to the city centre.
- Extend the city's network of waterfront amenity routes, leisure facilities and recreational areas.
- Provide a welcoming hand to all sailing craft.
- Create a new harbour identity and portscape.
- Be outward looking and with a view to the future.

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CONCEPTUAL IMAGES

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VOLVO OCEAN RACE

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