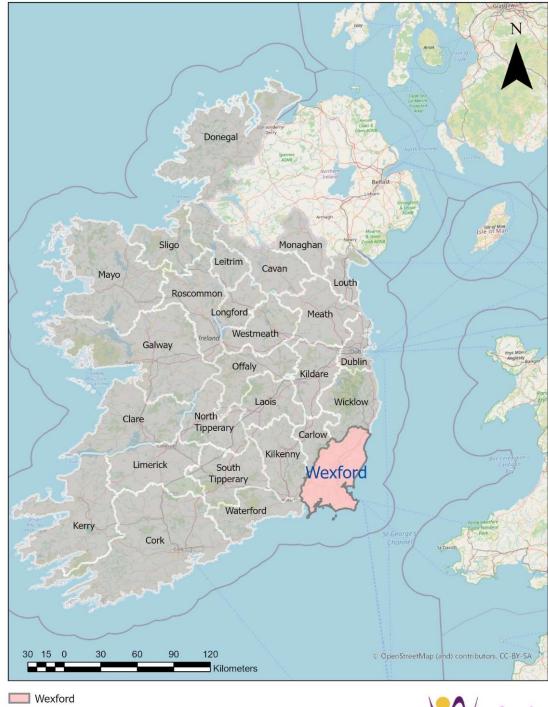




- 1. Overview of the Wexford Coastline
- 2. Challenges
- 3. Coastal Erosion A Case Study
- 4. Piers and Harbours
- 5. Beaches
- 6. In summary...



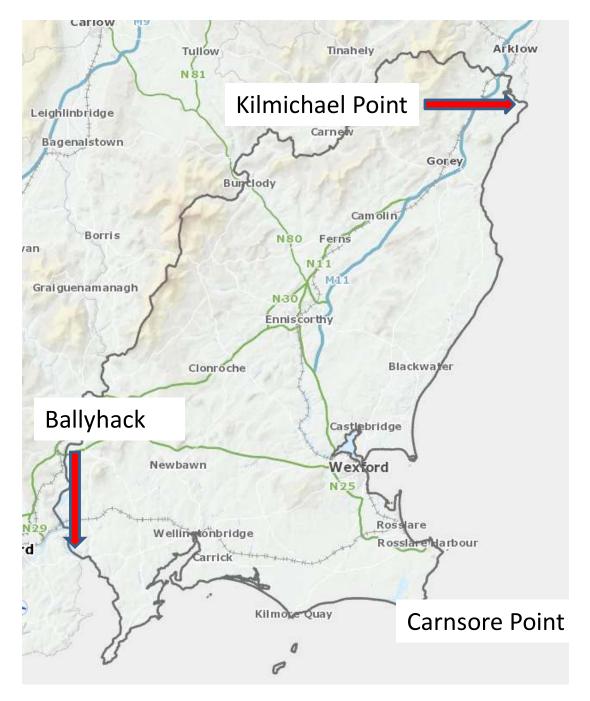
1. Overview

- Long sandy beaches.
- "sunny south east"
- 260km coastline.
- 211km soft coastline.
- Many challenges around erosion and impacts from climate change.

Wexford

Ireland County Boundaries

County Council Date: 15/06/2021 16:35



Overview

- Over 70 beaches
- 6 blue flag beaches
- 2 blue flag marinas
- 9 green coast beaches
- 11 harbours



Arklow Tullow Tinahely ighlinbridge Bagenalstown Gorey Courtown Bunclody Camolin Borris N80 Ferns ai guenamanagh Cahore Enniscorthy Blackwater Clonroche Killurin Ross Castlebridge Newbawn rdWexford Ballyhack Wellingtonbridge Rosslare Rosslare Harbour St Helen's Fethard Carne Dunc. Quay Kilmore Quay Slade

Overview

- 11 piers/harbours.
- WCC operates
 New Ross Port.

- 4,355 properties
- 5.8% of 74,107 properties.
- Not all of these properties are at risk.
- Monitor!



Seaview, Kilmore

- 65km of public road
- 1.7% of total 3,823km
- Not all of these roads are at risk.
- Monitor!



Hook Head

- 177 national monuments.
- 4% of total4,259.
- Not all at risk.
- Record
- Responsibility of National Monument Service



Clonmines, Wellingtonbridge

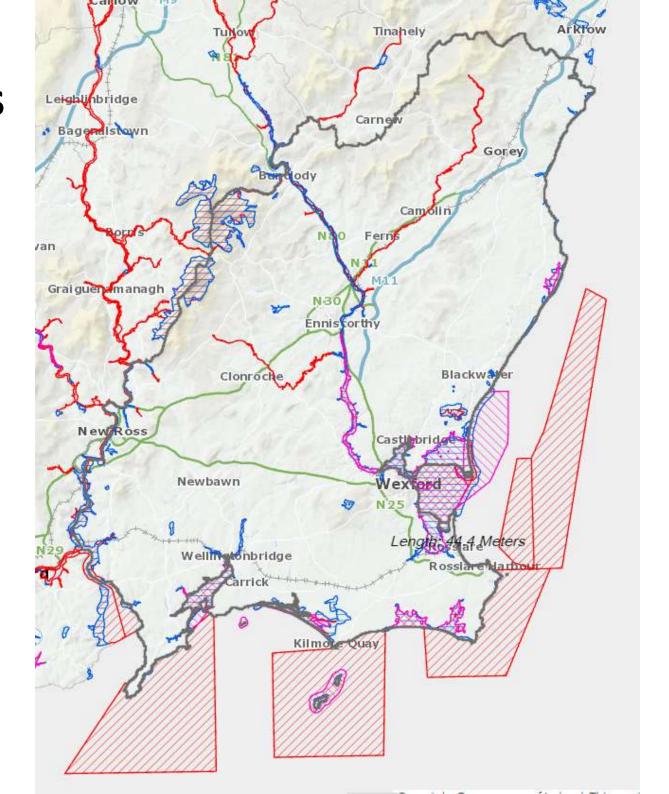
- CHERISH project looks at vulnerable coastal heritage (GSI).
- High resolution surveying.
- Monitors the condition of the site and the impact of erosion and storminess.



Glascarrig Medieval Settlement 1193

Protected Areas

- Environmental areas.
- Natura 2000 sites.
- Work cannot have significant impact on these sites.





Planning Context

- County Development
 Plan 2022 2028.
- Chapter 12
 - Coastal Zone
 Management and
 Marine Spatial
 Planning.
- Sets out the planning framework for future development in this area.
- Must consider impact of climate change.

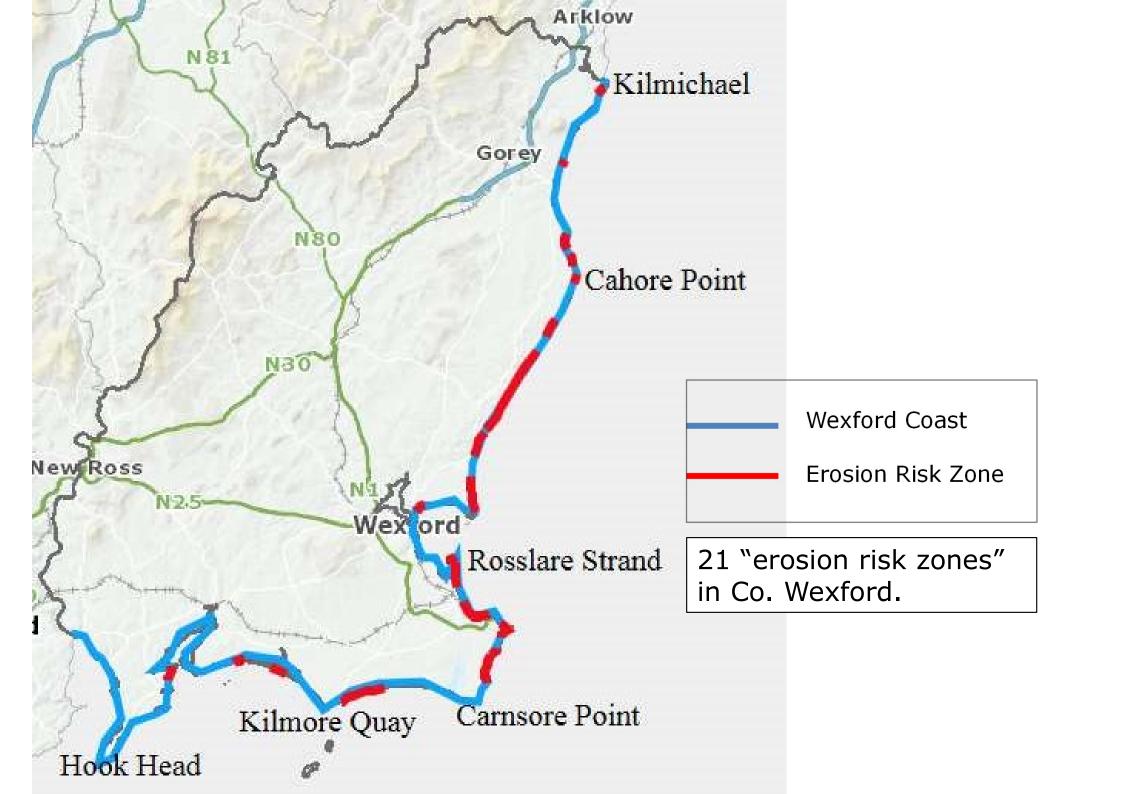


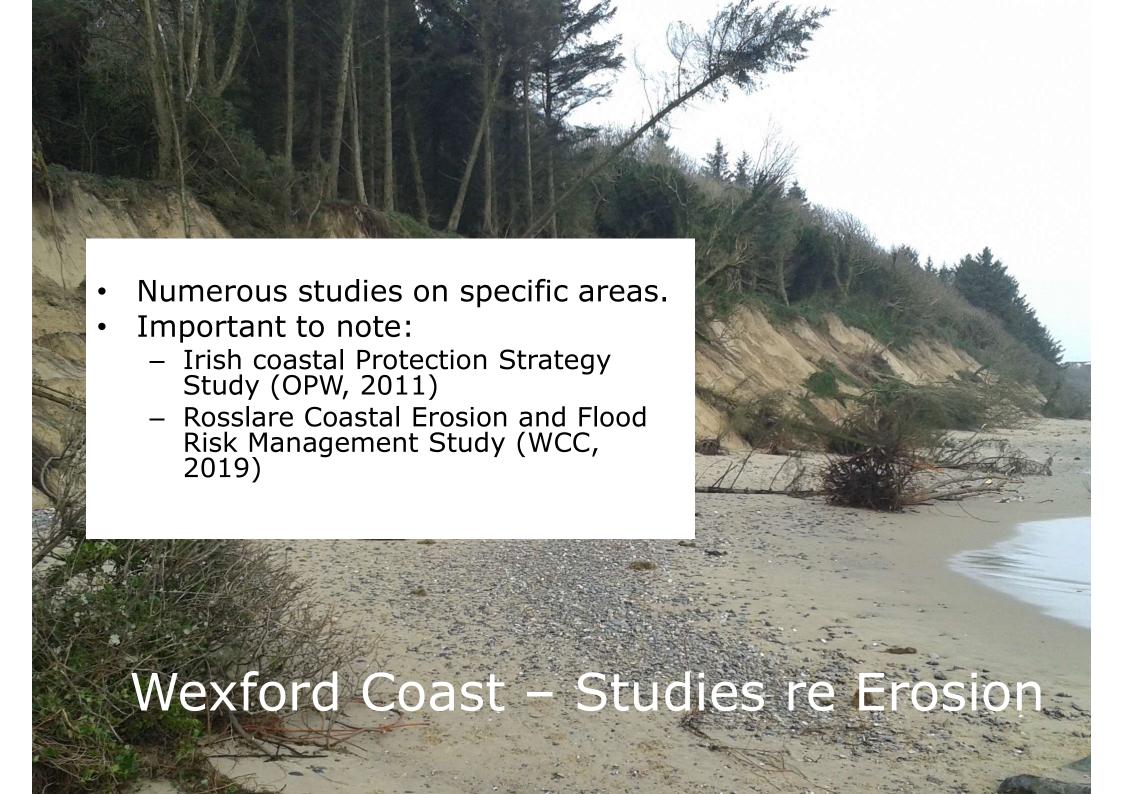
2. Challenges

- Coastal erosion (land lost to sea)
- Coastal flooding (low lying areas)
- Sea level rise.
- Increased frequency and intensity of storms.
- Increased risk to assets
- properties, farms, beach and access, roads, power, telecoms, water...



Seaview, Kilmore









Donaghmore



Donaghmore – coastal works

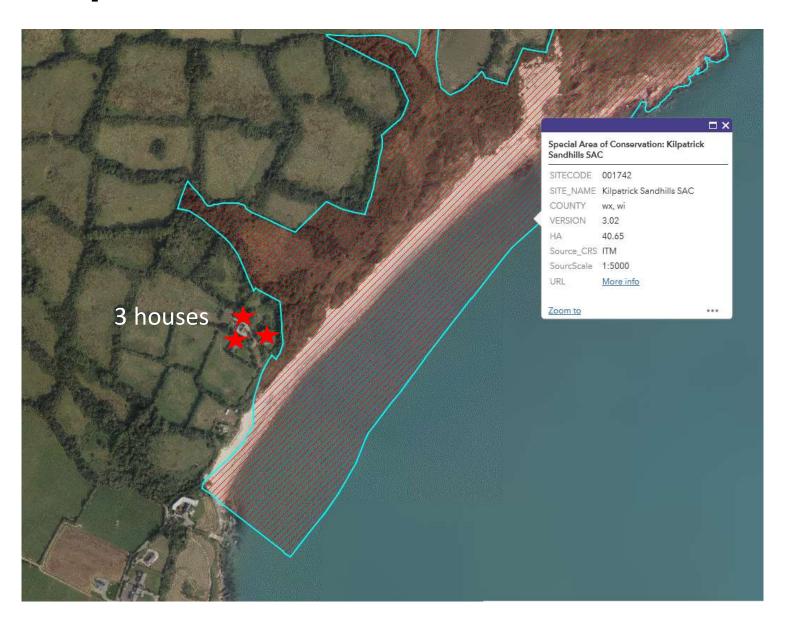


Kilpatrick

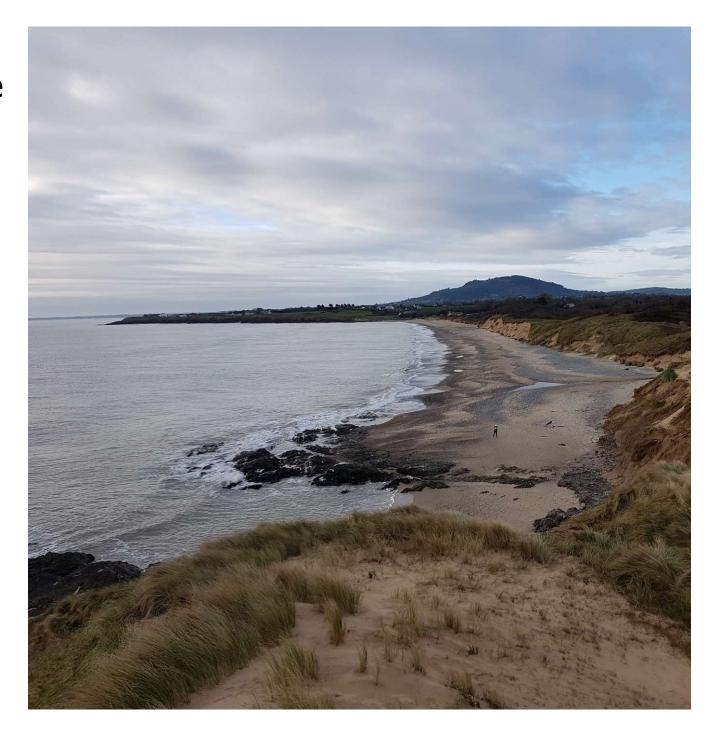




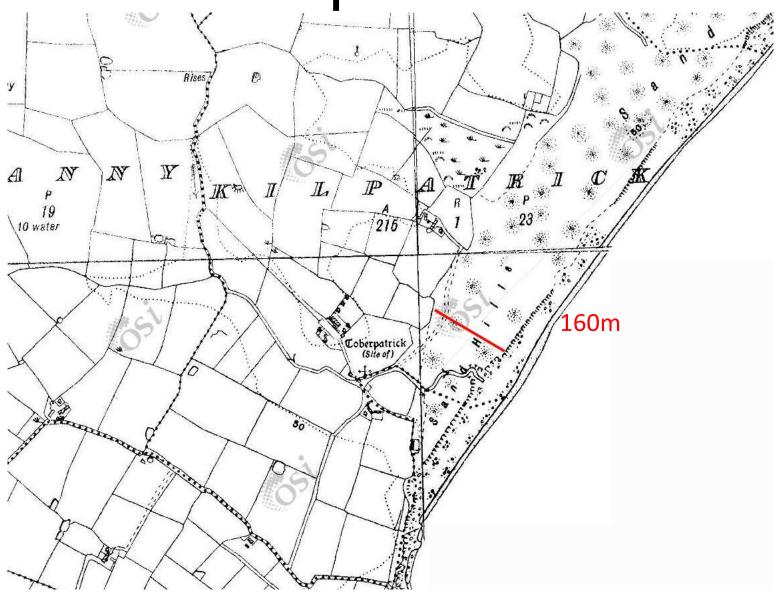
Kilpatrick Sandhills SAC



- Land around the houses is separately owned.
- We did consider new road but there were issues with land title.
- Residents of 3 houses have no direct vehicular access to their properties.



OS Map ca.1900



OS Map 2019







Dec 2006

Feb 2007



Courtown



Courtown (J. Hinde) - 1960s

Courtown - 2021



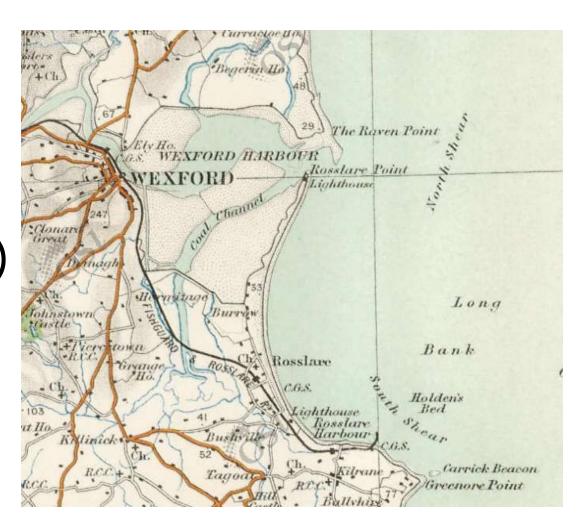






3. Coastal Erosion – A Case Study

 Rosslare Coastal Erosion and Flood Relief Scheme (CEFRS)



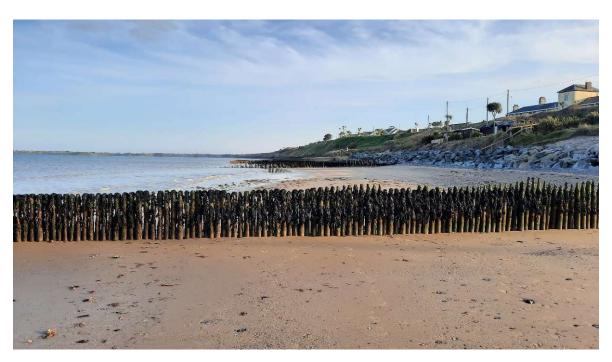
Rosslare CEFRS

- Problem of shifting sands in harbour documented back to 1709.
- Successful coastal protection 1950s to 1990s.
 - Timber groynes
 - Rock Revetments
 - Rock groynes
 - Import sand 275,000m³



Rosslare CEFRS

- 2014-2019: minor erosion scheme developed in to major erosion and flood scheme.
- 2019 completed;
 - Rosslare Erosion and Flood Risk Mgmt Study.
 - Business Case Analysis Report



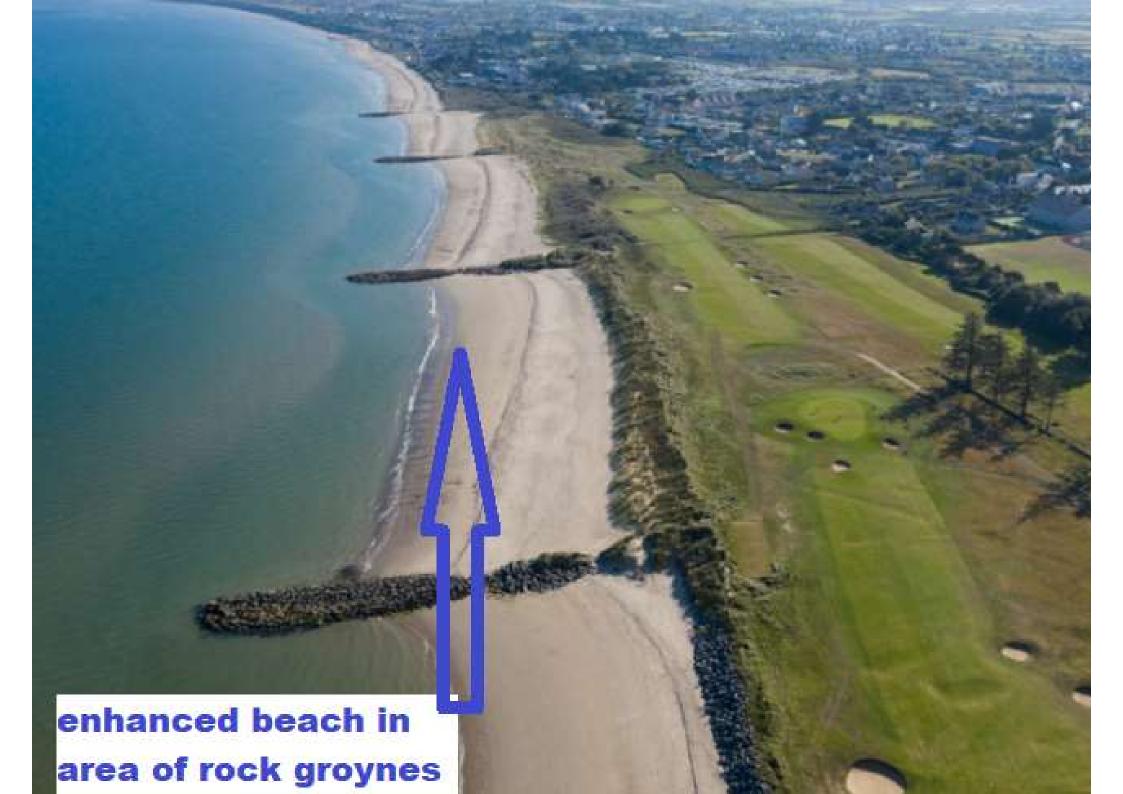
Remnants of 1950s timber groynes

Background to current scheme

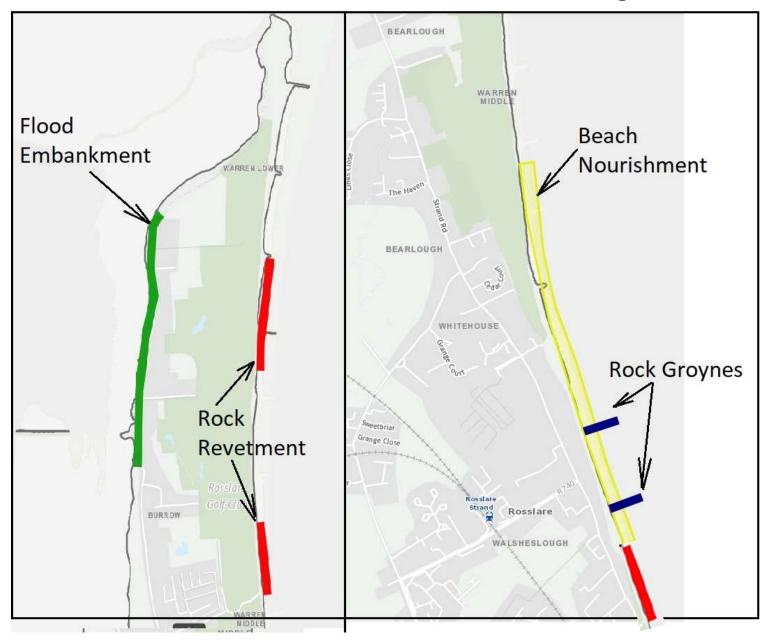
- 2020: funding of €8m from OPW.
- 2021: tender / appoint consulting engineers
- 2022: design work underway.



Note the different sand levels at either side of groynes



Erosion and Flood Options



Rosslare CEFRS Stages...

	Stage	Description	Timeframe	
	Stage I	Options Assessment/ Preliminary Design	2022/2023	
	Stage IIA	Planning / Development consent	2023	
	Stage IIB	Detailed Construction Design	2023/2024	
	Stage III	Tender Process	2024/2025	
	Stage IV	Construction (ca. 18 months)	2024/2026	
	Stage V	Handover of Works	2026/2027	

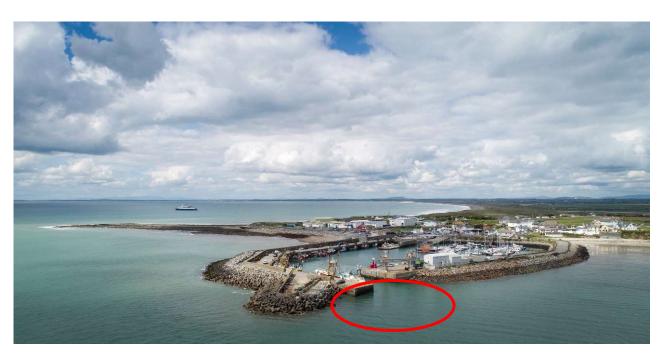




Harbours – Civil Eng. Works

- Identify repair works.
- Coastal Engineer inspect and assess.
- Statutory consents

 e.g. foreshore,
 dumping at sea,
 planning,
 environmental.
- Apply to Dept of Ag, Food & Marine for funding.



Kilmore Quay Dredging of Approach Channel



Harbours – Civil Eng. Works

- Depending on complexity (structural, tidal, H&S, environmental) – appoint consultants.
- Design and prepare tender documents.
- Tender and contract award.
- Construction and sign off.
- Funding recoup monies from Dept.





Kilmore Quay - Dredging of approach Channel

 To improve navigation and safety at approach to harbour.

 2020: Removal of 15,600 tonnes of sand/gravel at Kilmore Quay hbr.

- Material was placed in sea off Baginbun.
- Foreshore consent, dumping at sea permit, archaeology, mammal observation.



Kilmore Quay - Dredging Approach Channel

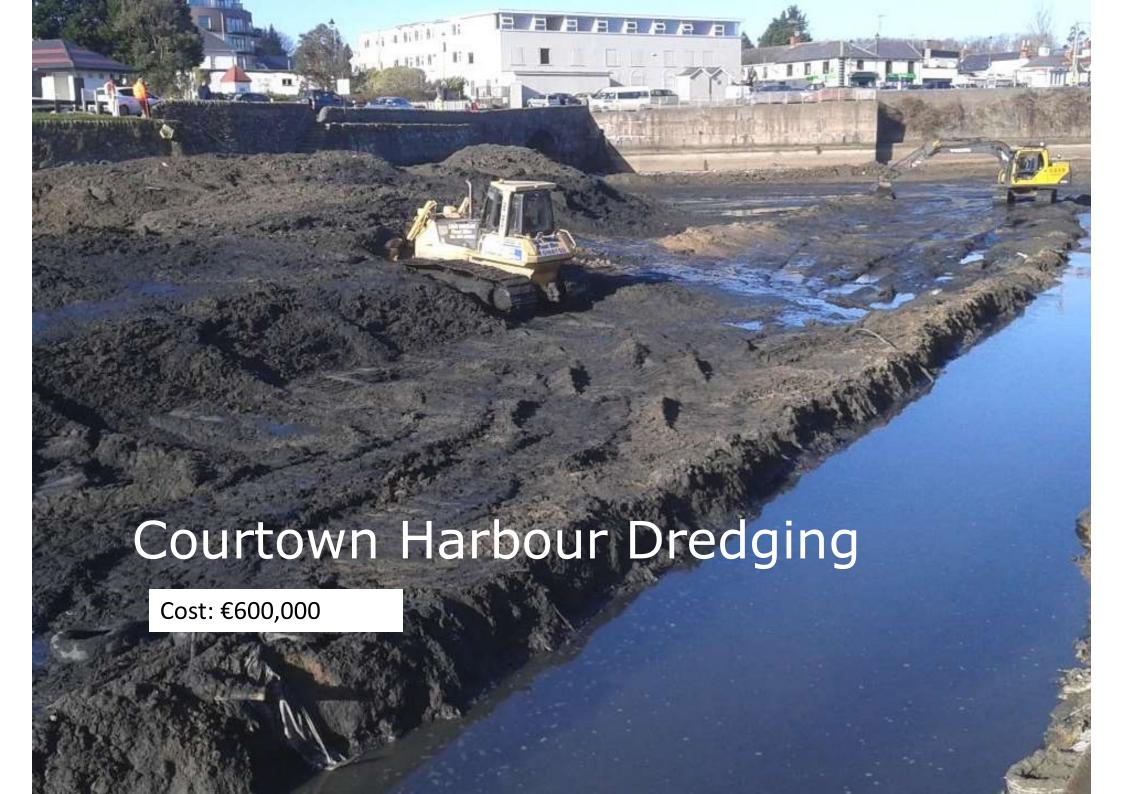


Slade Harbour – Remedial Works to Middle Pier



Duncannon – Structural Repair Works













Classification of Beaches

- Designated: covered by legislation, water quality, Wexford CC report to EPA (8 no.)
- Blue Flag: awarded by An Taisce (6 no. 2022)
 - Environmental Education and Information
 - Water Quality
 - Environmental Management
 - Safety Services
- Green Coast: awarded by An Taisce (9 no.)
 - Water Quality
 - Community involvement
- Bye Law Beaches (35 no.)

Wex CC - Role and Responsibility

- Bathing water quality
- Access / boardwalk
- Water safety
- Signage
- Toilets
- Traffic and car parking
- Regulate area (e.g. beach bye laws)
- Litter
- Etc...











View Gallery

Мар

Report Issue

Curracloe

Wexford

Regulated Bathing Water



Curracloe is a rural peaceful fine-sand beach with a relatively gentle slope. The sand type is soft and windblown and often covers the wooden walkways. The sand dunes extend between 100m and 300m to the rear (west) of the beach. Curracloe beach is within The Raven Special Protection Area which is an important bird site and part of the Wexford Slobs and Harbour complex. Curracloe beach is a popular fishing spot and is also used by a limited number of surfers, windsurfers and canoeists. The bathing area is approximately 1.0 km long and 0.2km² in area.

Bathing Season Awards & Amenities









Weather Met Éireann

Tides

Marine Institute

1st High	1st Low	2nd High	2nd Low
05:30	11:30	18:10	

Predictions

Choose a date

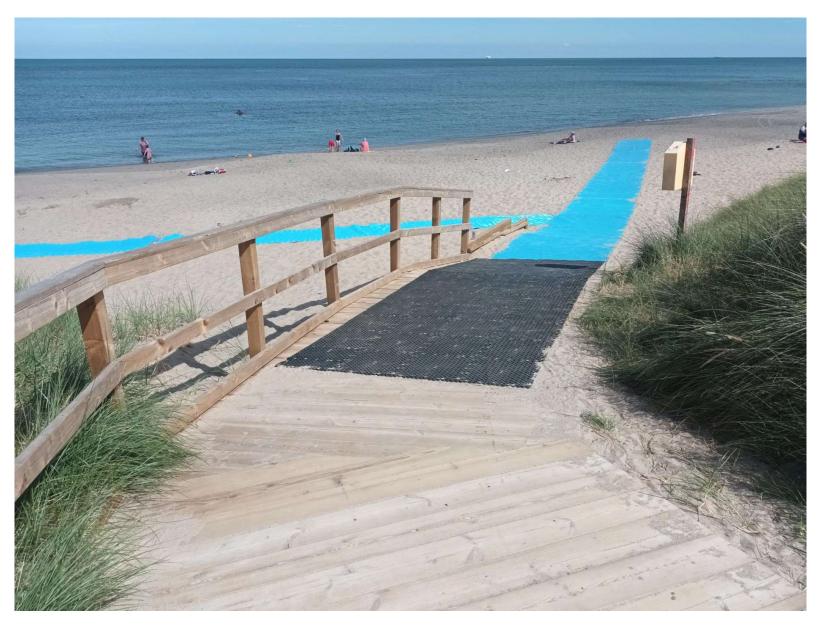
Lifeguard Information

Click here to view lifeguard information

Beach Wheelchair – 7 beaches

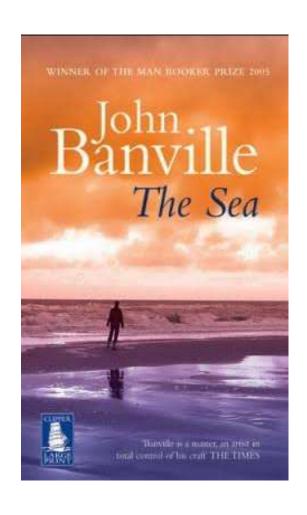


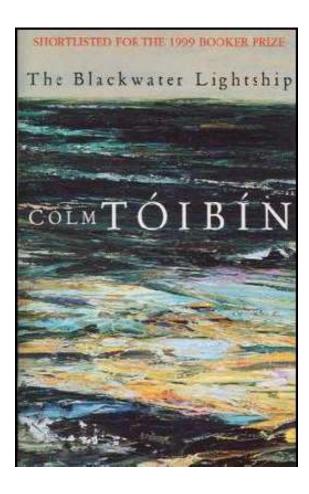
Rosslare Hbr – beach mat

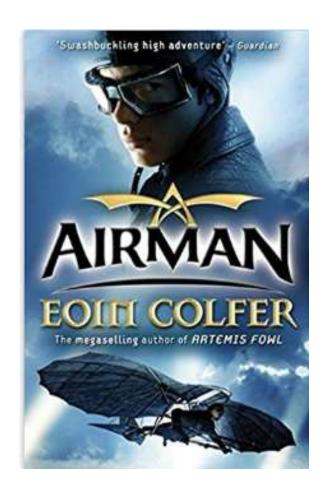




Wexford's Coast featured in:

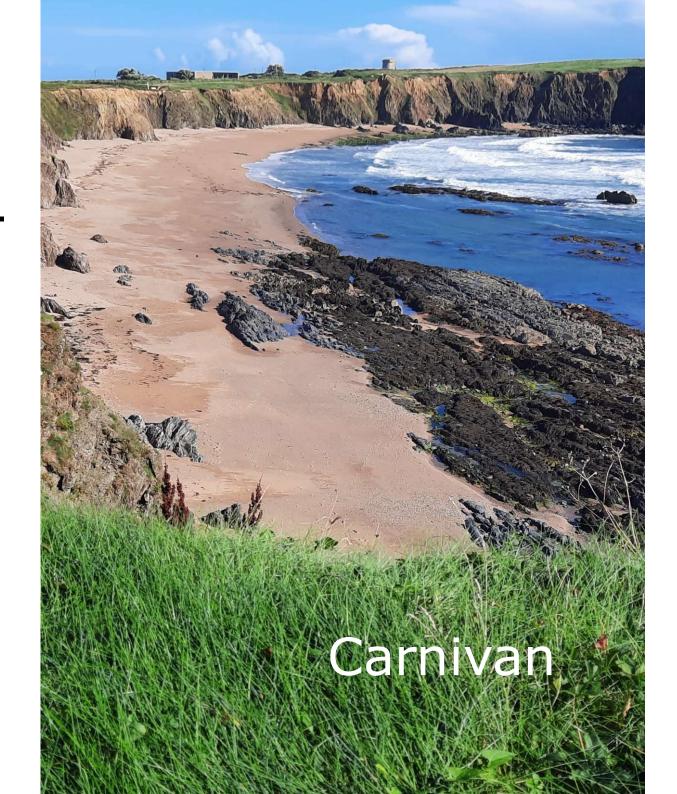






In summary;

- Extensive 260km.
- Used for many purposes – amenity, leisure, work etc.
- Many challenges around coastal erosion.
- We continuously monitor the coast.



In summary;

- We are progressing schemes for atrisk areas (dune restoration).
- There will be some areas where it is not economically viable to carry out coastal protection.



