

COMHAIRLE CONTAE FHINE GALL

FINGAL COUNTY COUNCIL

MARINE & COASTAL MANAGEMENT

STRATEGIC POLICY COMMITTEE MEETING

WEDNESDAY 22nd MARCH 2023

Item 04

Councillor K. Power – Analysis of Coastal Erosion from Balbriggan to Howth

“That the Chief Executive conducts and analysis on the impact of Coastal Erosion on the coastline from Balbriggan to Howth to facilitate an understanding of where remedial works are required before significant, irreparable damage occurs.”

Response

Since 2020 Fingal County Council has engaged with the Office of Public Works on the development of a National Coastal Monitoring Survey Programme. This is with a view to developing a best practice approach to coastal monitoring and ultimately appropriate responses to coastal change. Six pilot locations for this programme have been identified strategically located around the Irish Coastline including the Rogerstown Outer Estuary. The pilot programme is ongoing and the data currently being assembled and/or considered for inclusion in the programme include:

- Bathymetric Surveys, from the high water mark (HWM) to 20m below mean sea level.
- Aerial photography surveys are being to be carried out annually, and following significant storm events. The surveys will extend from the approximate low water mark (LWM) to a minimum of 200m landward of the HWM.

- LiDAR surveys of Portrane are being carried out extending from the LWM to a minimum of 200m landward of the HWM.
- Topographic Surveys and the installation of more wave buoys and tidal gauges.
- Terrestrial Laser Scanning.

When the analysis of this pilot programme is available, it is planned to extend monitoring to the entire coastline and to commission survey work in line with the approved methodologies.

Source: Kevin Halpenny, Senior Parks & Landscape Officer