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COMHAIRLE CONTAE FHINE GALL
FINGAL COUNTY COUNCIL

Email: Corporate.Services@fingal.ie

County Hall
Swords
Co. Dublin

Wednesday 15 March 2023

To Each Member of the Marine and Coastal Management Strategic Policy Committee

Dear Members

A meeting of the **Marine and Coastal Management Strategic Policy Committee** will be held in the at **4.30 pm** on **Wednesday, 22nd March, 2023** to consider the following Agenda:

Yours Faithfully

Nikki Halleran
Meetings Administrator
Corporate Services

A G E N D A

1 Confirmation and Re-Affirmation of Minutes of Marine and Coastal Management SPC meeting held on 30th November 2022

2 Preservation of the Dunes - Velvet Strand, Portmarnock.

3 Braymore Wind Park Project

MOTIONS

4 **Councillor K. Power - Analysis of Coastal Erosion from Balbriggan to Howth**

"That the Chief Executive conducts an 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."

5 **Councillor D. Healy - Policy for Management of Beaches and Dunes**

"That this Committee, learning from positive experience on beaches in Fingal and elsewhere, develops a policy for the management of beaches and dunes aimed at protecting them from erosion, and encouraging the growth of dunes and beaches as coastal protection for developed areas of Fingal, particularly in the context of rising sea levels."

6 **Councillor B. Dennehy - Power Generated by Off-Shore Turbine Farms**

"That the Chief Executive confirms that the demand required to use all the additional electrical power generated from the planned offshore wind turbines farms currently exists within the state."

7 **Councillor P. Mulville - Special Amenity Area Orders for Rogerstown, Malahide and Baldoyle Estuaries**

"That the Chief Executive, given the recent making of the new County Development Plan, outlines her best estimate as to when the process can commence to put in place Special Amenity Area Orders (SAAO) for Rogerstown, Malahide and Baldoyle Estuaries given the urgent need for Special Amenity Area Orders designations as vital to aid the conservation of these European sites and the habitats, flora and fauna that they have been designated to protect, given the Climate and Biodiversity Emergency declared by Dáil Éireann in May 2019, and the recent pressing recommendations of the Citizens' Assembly on Biodiversity Loss in November 2022."

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Comhairle Contae Fine Gall
Fingal County Council

Minutes of Marine and Coastal Management Strategic Policy Committee

Wednesday, 30th November, 2022

PRESENT

Councillor Eoghan O'Brien (chair)
Councillor Adrian Henchy
Councillor Brian Dennehy
Councillor Robert O'Donoghue
Councillor Tom O'Leary
Councillor Paul Mulville
Councillor Karen Power
Councillor Ann Graves
Maire O'Brien PPN
James Magrane IFA

The Area Chairperson, Eoghan O'Brien , presided.

OFFICIALS PRESENT

David Storey, Director of Services; John Daly, Senior Engineer; Kevin Halpenny, Senior Parks Superintendent; Catherine O'Donovan, Senior Executive Officer; Hans Visser, Executive Parks Superintendent; Maria Hand, Senior Staff Officer

MCM/16/22 (Agenda Item No 1)
Confirmation and Re-Affirmation of Minutes of Marine and Coastal Management SPC held on 15th September 2022

The minutes were proposed by Cllr O'Brien and seconded by Cllr O'Donoghue.

The minutes of the meeting held on 15th September 2022, were AGREED.

MOTIONS

MCM/17/22 (Agenda Item No 2)
Councillor B. Dennehy - Protection Measures - Dunes - South Beach, Rush

It was agreed to ask RPS to bring report to next SPC meeting.
Report **Noted**

MCM/18/22 (Agenda Item No 3)
Maire O'Brien - Co-ordinated response to Coastal Erosion

It was agreed to look for an update from the OPW on the Pilot Coastal Monitoring Survey Programme and to bring it to this SPC when available.
Report **Noted**

The Meeting concluded at 17:36

CHAIRPERSON DATED

COMHAIRLE CONTAE FHINE GALL

FINGAL COUNTY COUNCIL

MARINE & COASTAL MANAGEMENT

STRATEGIC POLICY COMMITTEE MEETING

WEDNESDAY 22nd MARCH 2023

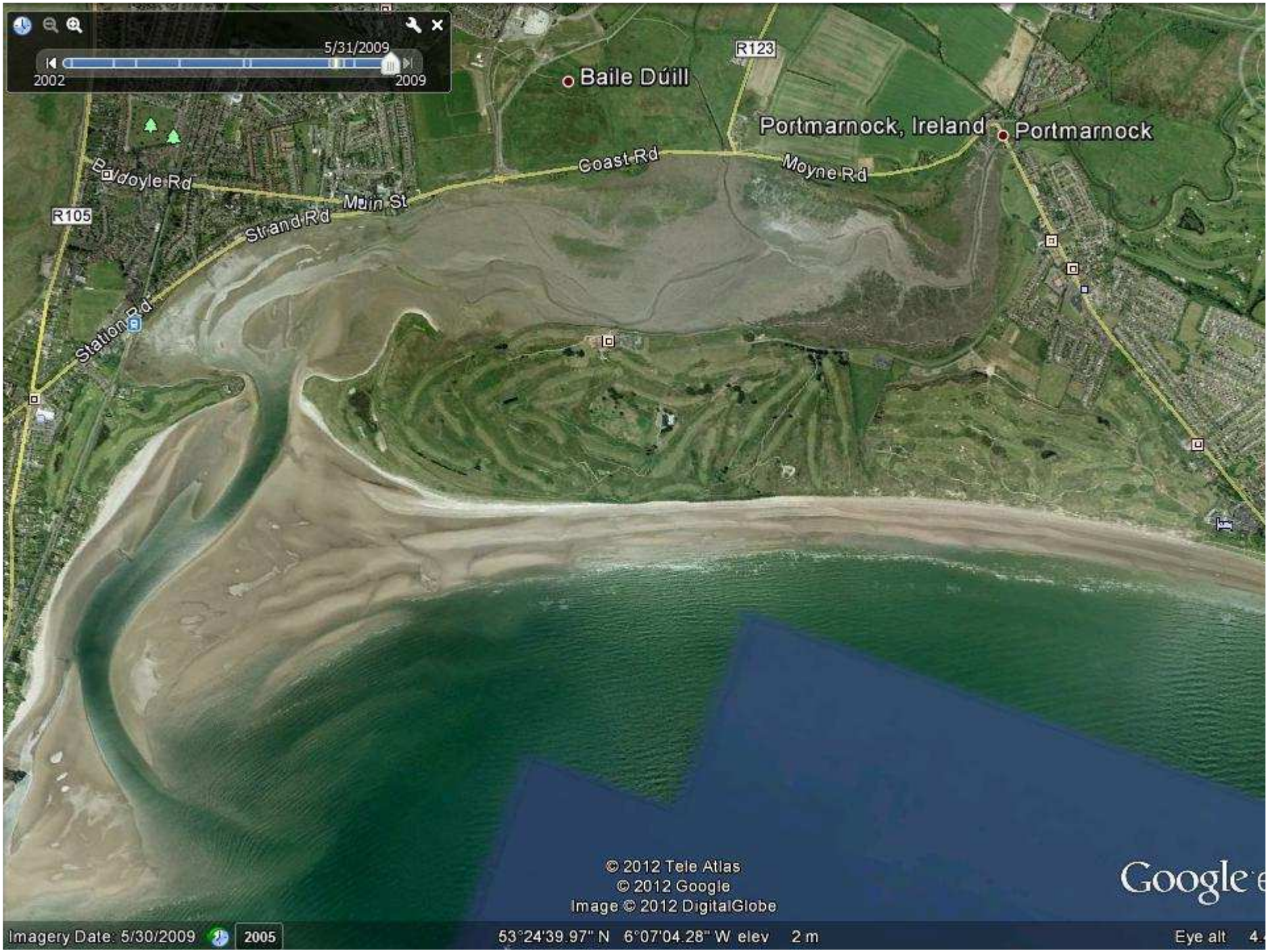
Item 02

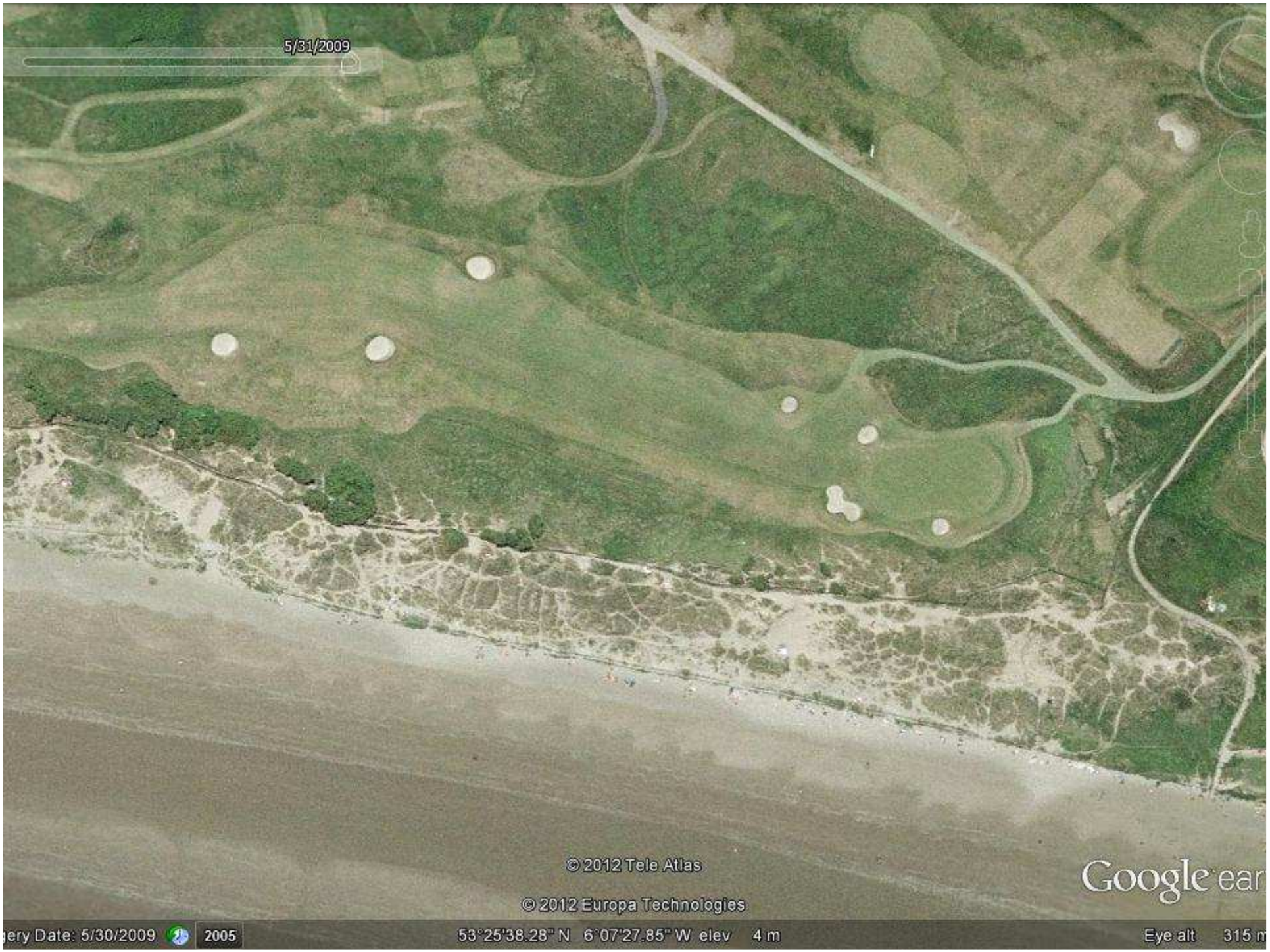
Preservation of the Dunes - Velvet Strand, Portmarnock.

Response

This report will be presented at the meeting.


Portmarnock Beach
Improvement works.


5/31/2009
2002
2009
Baile Dúill
R123
Portmarnock, Ireland
Portmarnock
Baldoyle Rd
Coast Rd
Moyne Rd
Main St
R105
Strand Rd
Station Rd
© 2012 Tele Atlas
© 2012 Google
Image © 2012 DigitalGlobe
Google
Imagery Date: 5/30/2009
2005
53°24'39.97" N 6°07'04.28" W elev 2 m
Eye alt


5/31/2009
© 2012 Tele Atlas
© 2012 Europa Technologies
Google ear
ery Date: 5/30/2009
2005
53°25'38.28" N 6°07'27.85" W elev 4 m
Eye alt 315 m


Hot
Coffee


2000





Sleeper revetment and fencing

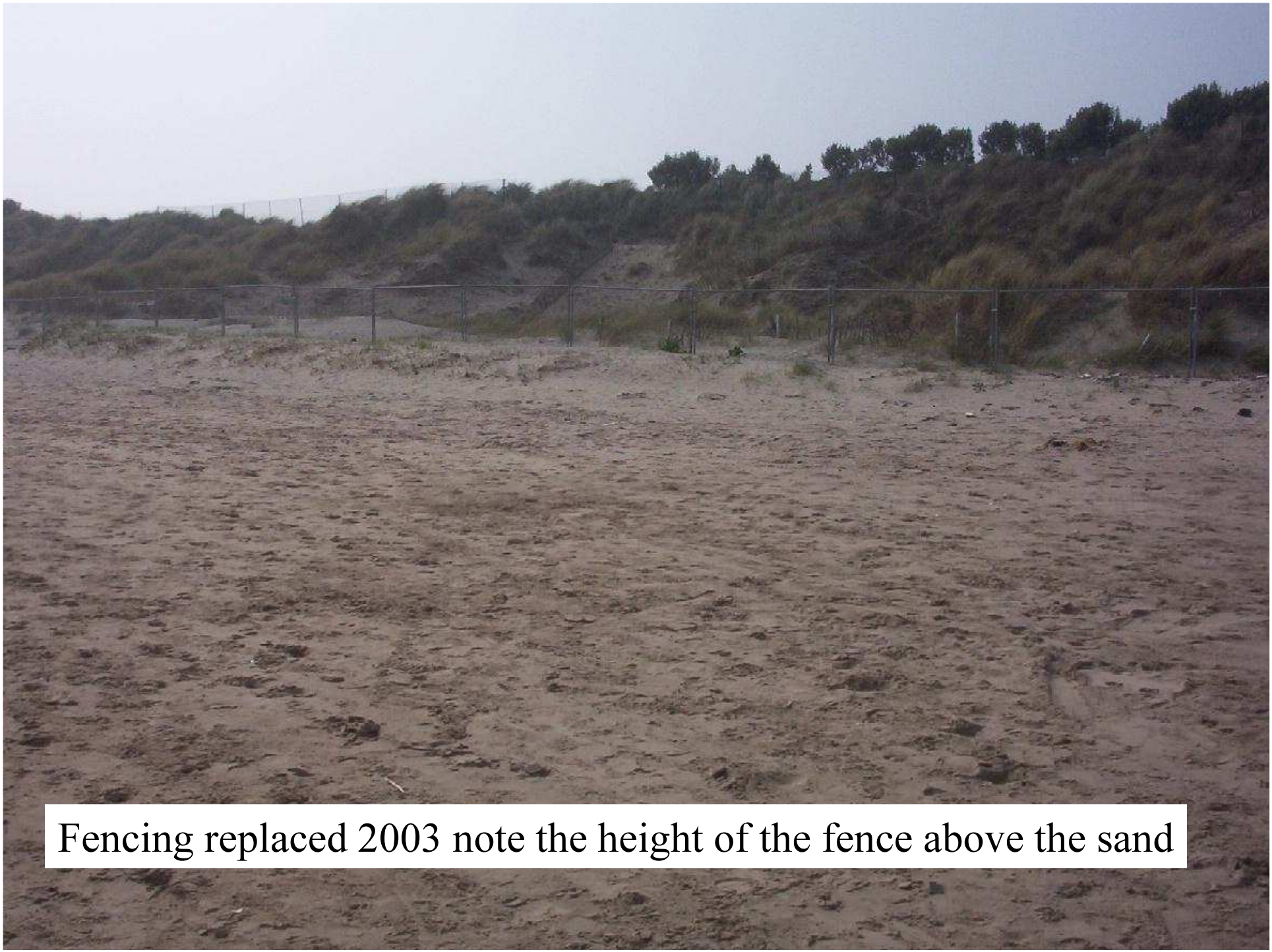
During the storm 31 Jan. 2001







29/2/02 note the sand filling up behind the sleeper fence

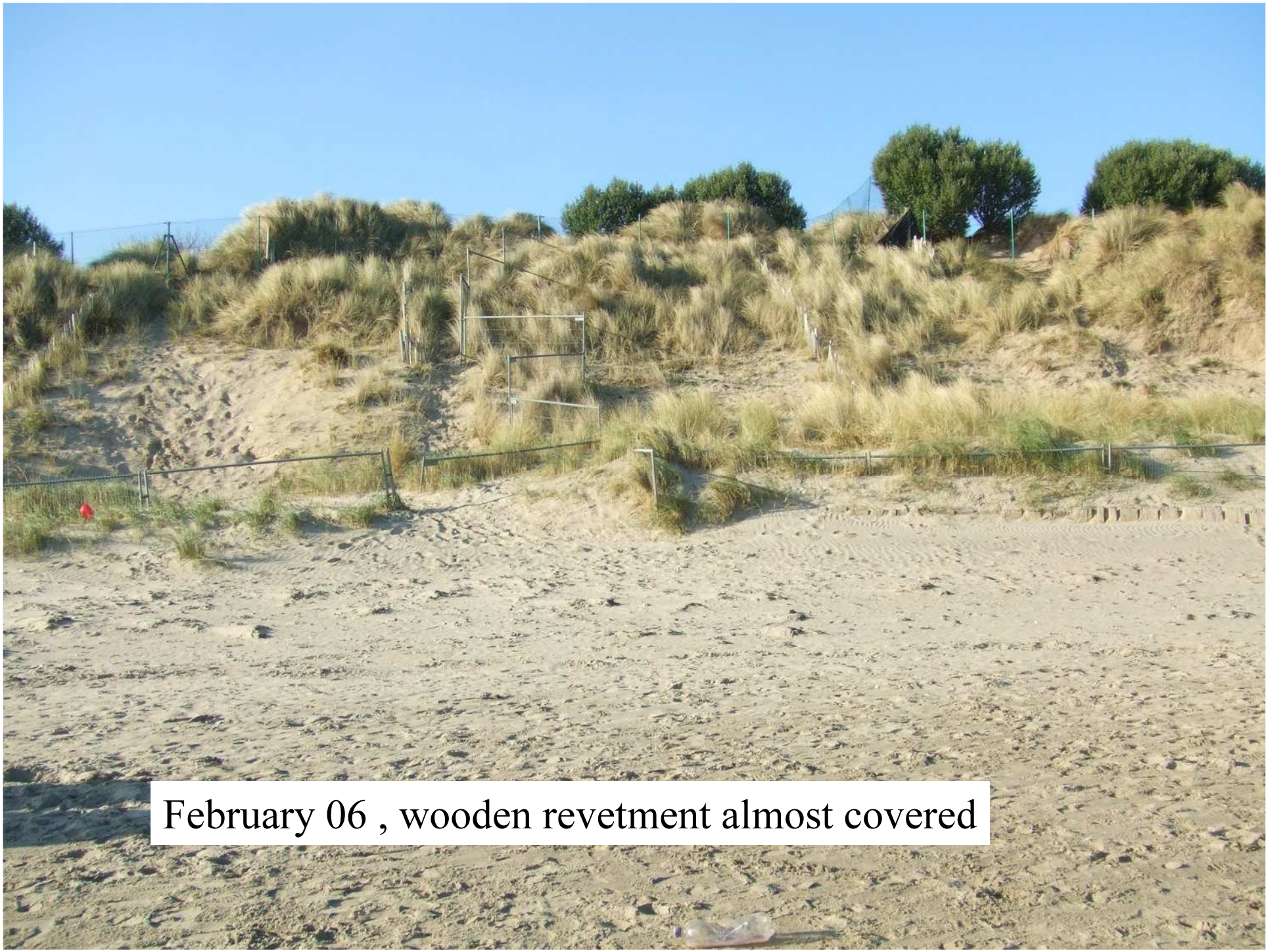


Fencing replaced 2003 note the height of the fence above the sand


October 04



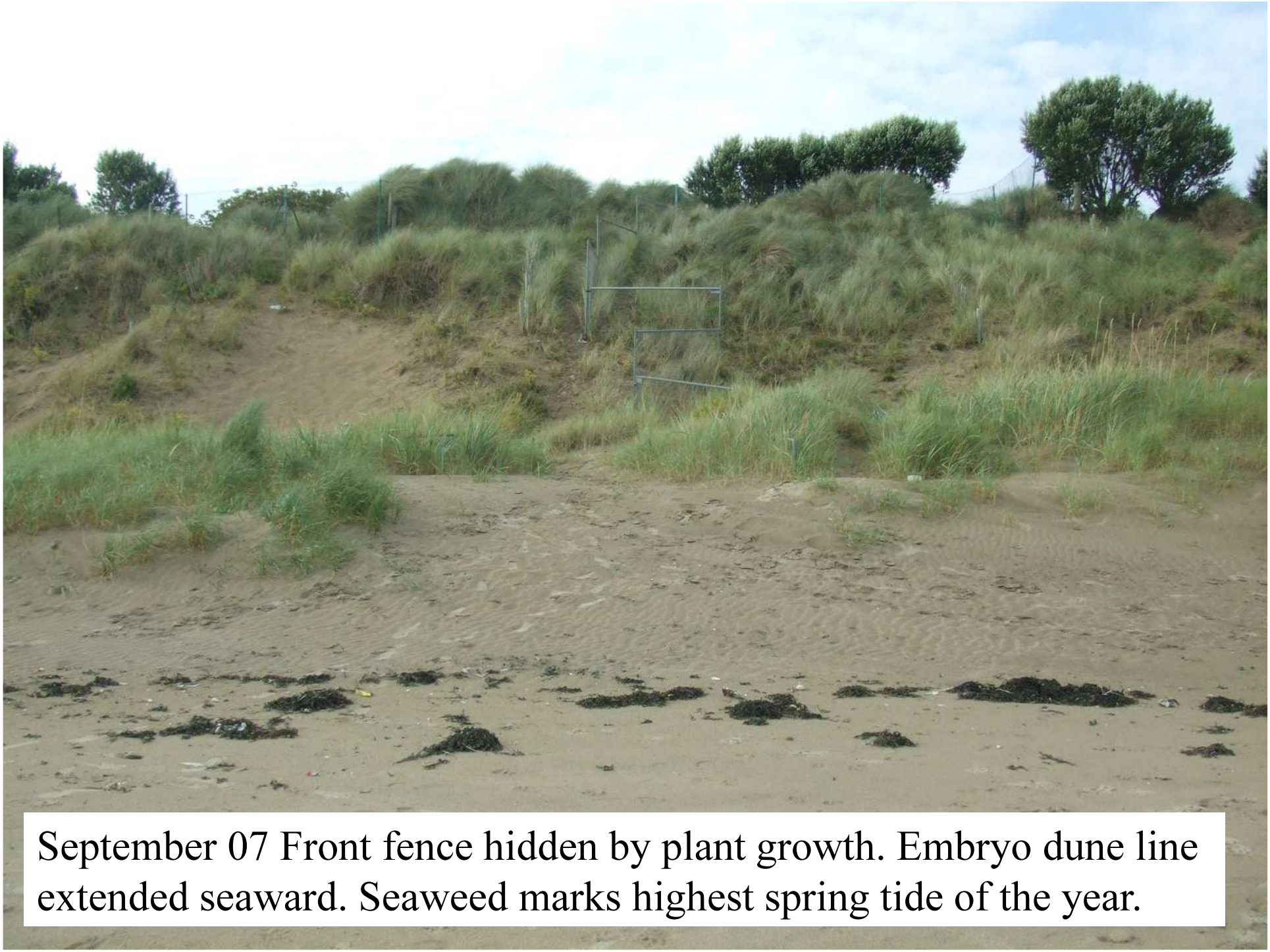
May 05 Sand had accumulated to cover ½ height of fence.
Note end of wooden revetment



February 06 , wooden revetment almost covered

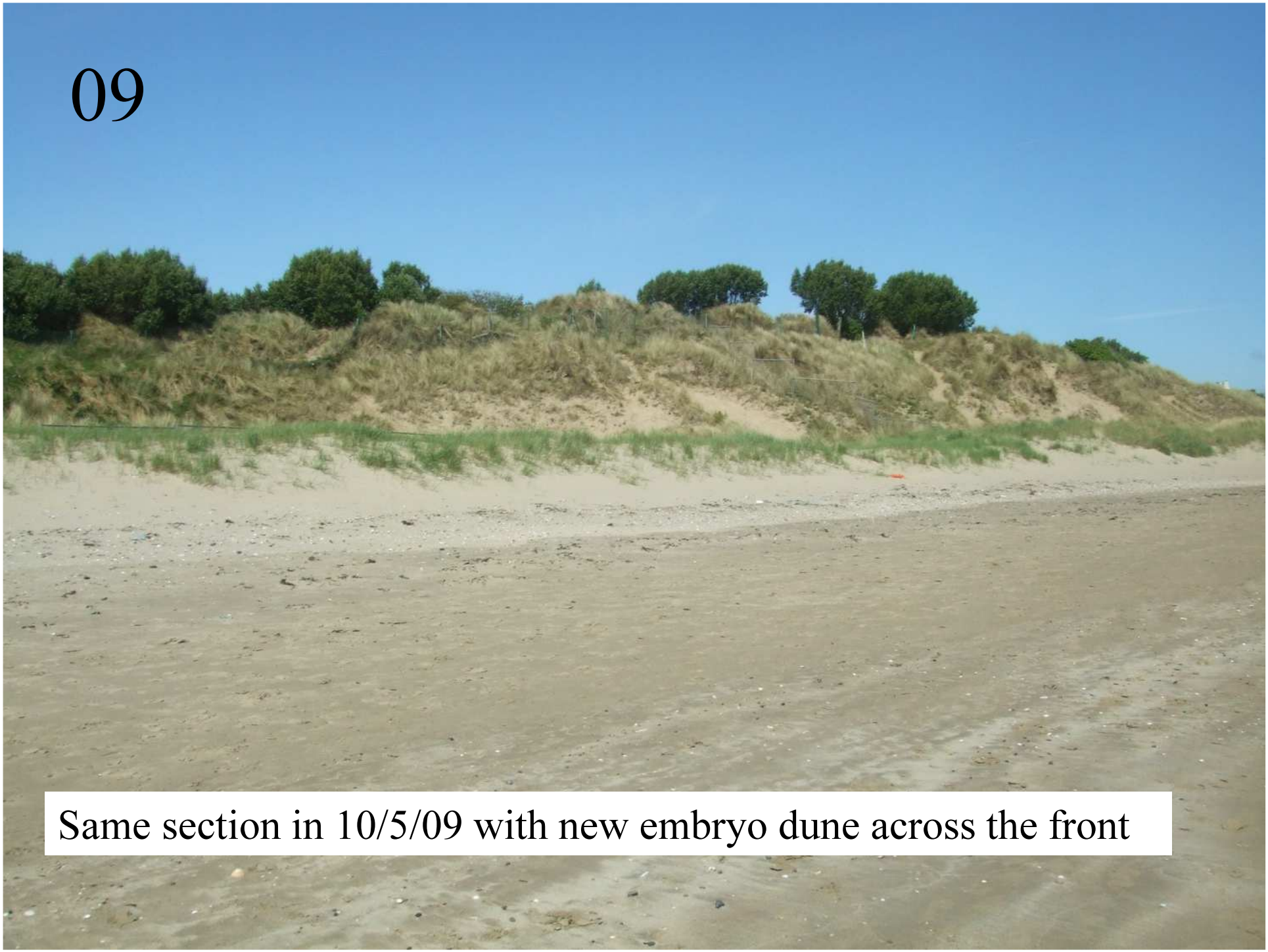


May 07 Sand accumulation, plants established to create a double line of embryo dunes. Fence has almost disappeared.



September 07 Front fence hidden by plant growth. Embryo dune line extended seaward. Seaweed marks highest spring tide of the year.


08
10/3/08


09
Same section in 10/5/09 with new embryo dune across the front


September 2010


October 11


October 11



Clean-up 2011 seaweed moved from tideline to base of dunes


4 June 2011


14 Oct 2011


October 2011






Spring 2011


Jan 2014


November 2017


June 2018


November 2022


10 Dec 2022



Roots of plants held along the line planted by Climate Action group


17/4/2018


19/03 2018



Dune violets in the dunes one of many different dune flowers

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FINGAL COUNTY COUNCIL

MARINE & COASTAL MANAGEMENT

STRATEGIC POLICY COMMITTEE MEETING

WEDNESDAY 22nd MARCH 2023

Item 03

Braymore Wind Park Project

Response

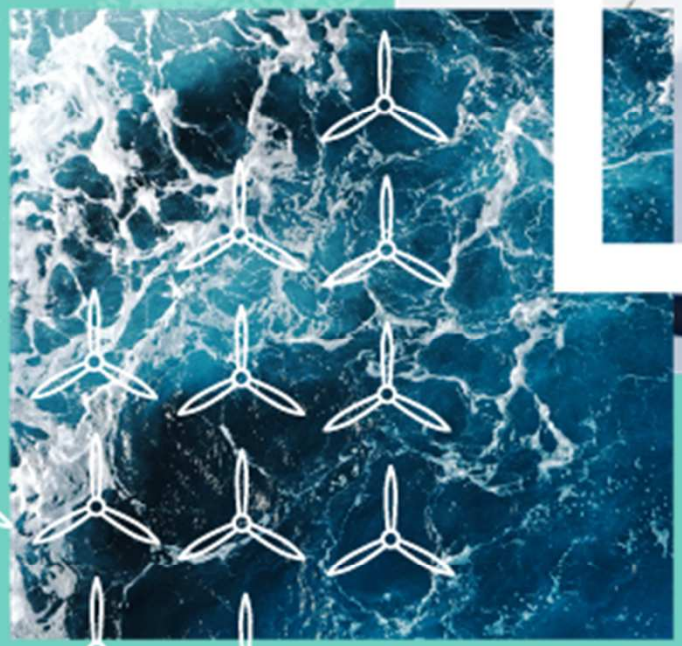
This report will be presented at the meeting.

nta Wind Park

nty Council – Marine and Coastal
nt SPC

023





e
newables

We are the leading developer and operator of wind power in Ireland, we have 27 wind farms across the island of Ireland. We are the largest operator of community funds having invested €14 million since 2002.

e
tricity

We supply over 720,000 customers with green renewable energy and natural gas, as well as energy efficient and rooftop solar installations

e
ermal

We own and operate four thermal power plants, totaling 1,292 MWs, including Ireland's most efficient, Great Island Power Station.

NEWABLE ENERGY PIONEER

nd Ireland's clean energy champion

/ operational renewables fleet

gest in the UK and Ireland:

hore wind (2GW);

hore wind (0.5GW);

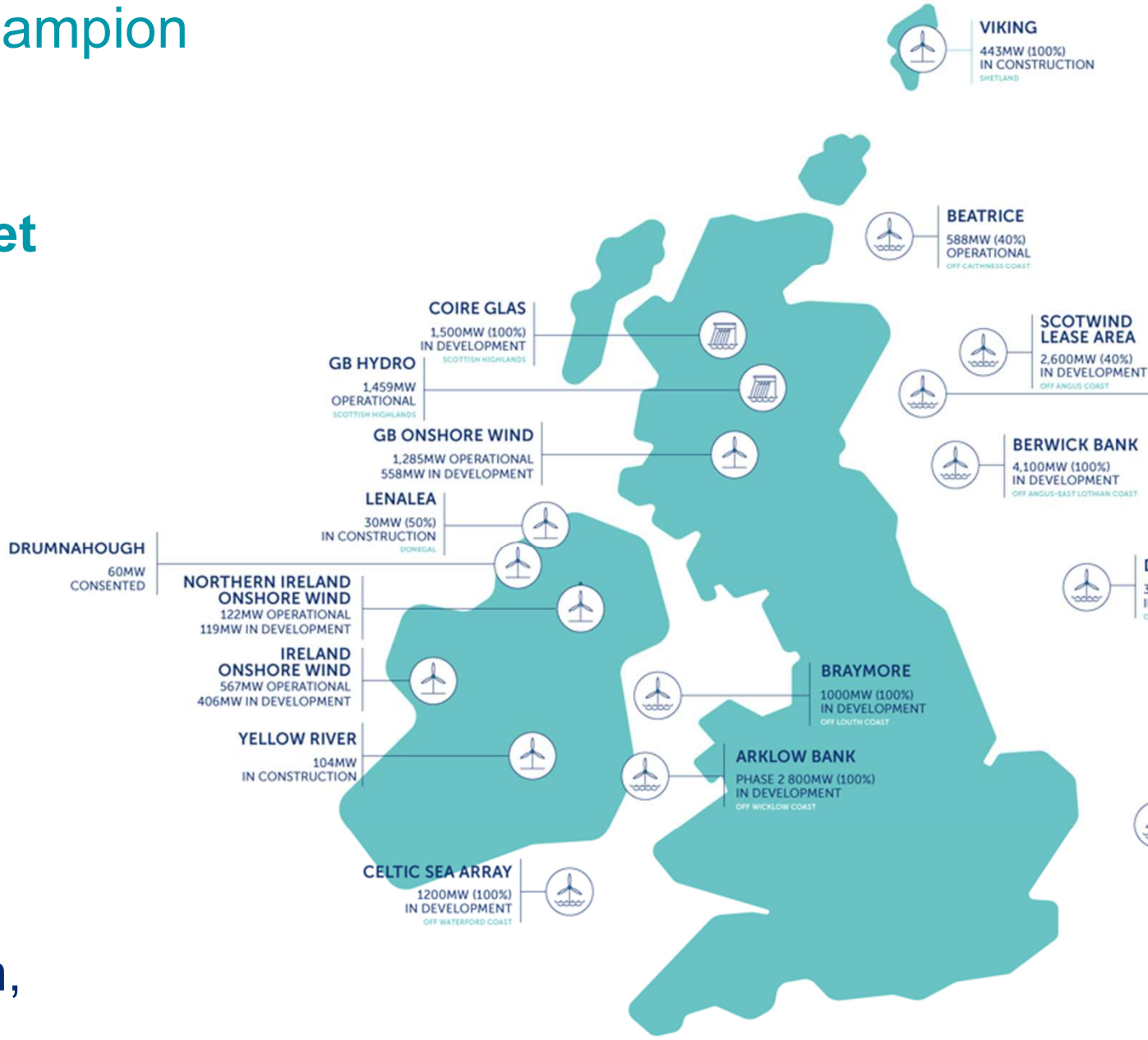
ro power (1.5GW).

apital investment over next 5

leading **11GW secured**

in the UK and Ireland.

onal interests in Europe, Japan,



nd's Targets

ction Act, 2023

Neutrality by 2050

duction in emissions by 2030

ctricity from renewables

V onshore wind

ctricity from renewables

V offshore wind

V onshore wind / 8GW Solar



Targets

onshore wind

onshore wind
estment in offshore wind in Ireland
rkloW Bank: 800MW
etanta: ~1GW
eltic Sea Array: ~1.2GW

2030
tial offshore investment / floating technology
 before 2050



EFITS

W of green renewable energy

er 1 million homes powered annually

er 1 billion kg of carbon offset annually

timillion euro annual community fund

creation and local investment

sitive contribution to Ireland’s Climate Action Targets





hore Ambition

k – Phase 1

W, located off Arklow, Co. Wicklow
hore Licence / OGI /OMF consent achieved
re consent via ABP
ng operation 2029

nd Park

1GW, located off Drogheda, Co. Louth
shore Licence secured
ting consent 2024

Array

GW, located off Dungarvan, Co. Waterford
shore Licence applied for March 2019
ting consent 2025



ore Policy Framework

erating Ireland's
ore Energy Programme
Statement on the
work for Phase Two
re Wind
023

Change of direction on offshore wind farms ra investors' fears

Energy industry experts warn that the governm policy shift will make it much harder for Ireland targets

Ireland likely to miss 2030 renewable energy targets due to offshore wind policy U-turn

Mid-process move to centralised plan-led system leading to uncertainty among international wind energy investors

ing of Projects

ed
rojects
ed
ens April ‘23

Phase 2

- Pre-2030
- Plan-led ie: DMAP zones
- Balance to meet 5GW
- Follows grid capacity
- Initial 700MW

Phase 3

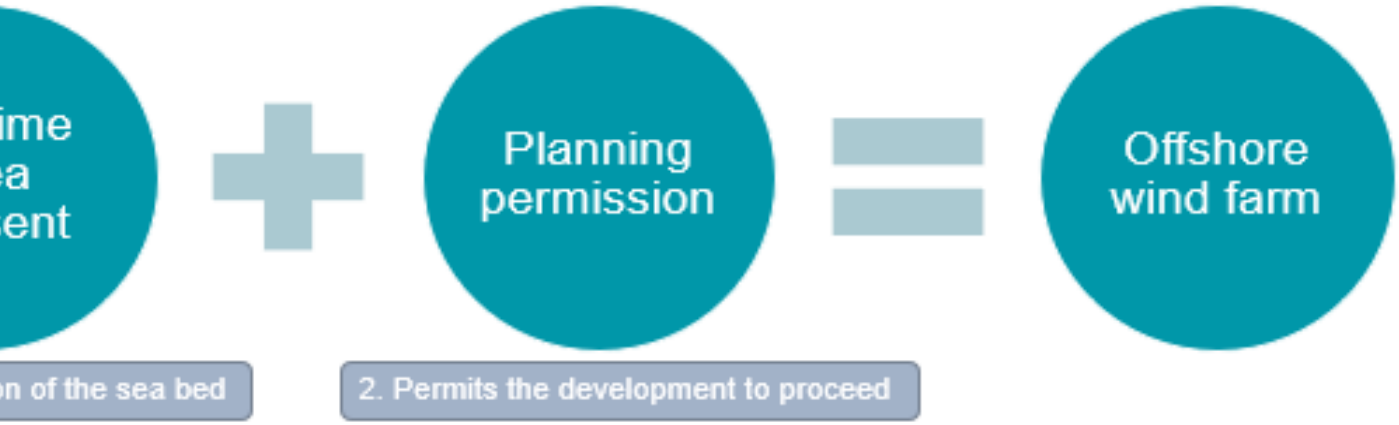
- In development by 2030
- 2GW Floating
- Potential for H2

Phase 4

- Post 2030 -En regime
- OREDPII will g DMAPS
- Consultation o
- Policy stateme

senting process

of Consents



Consent (MAC)

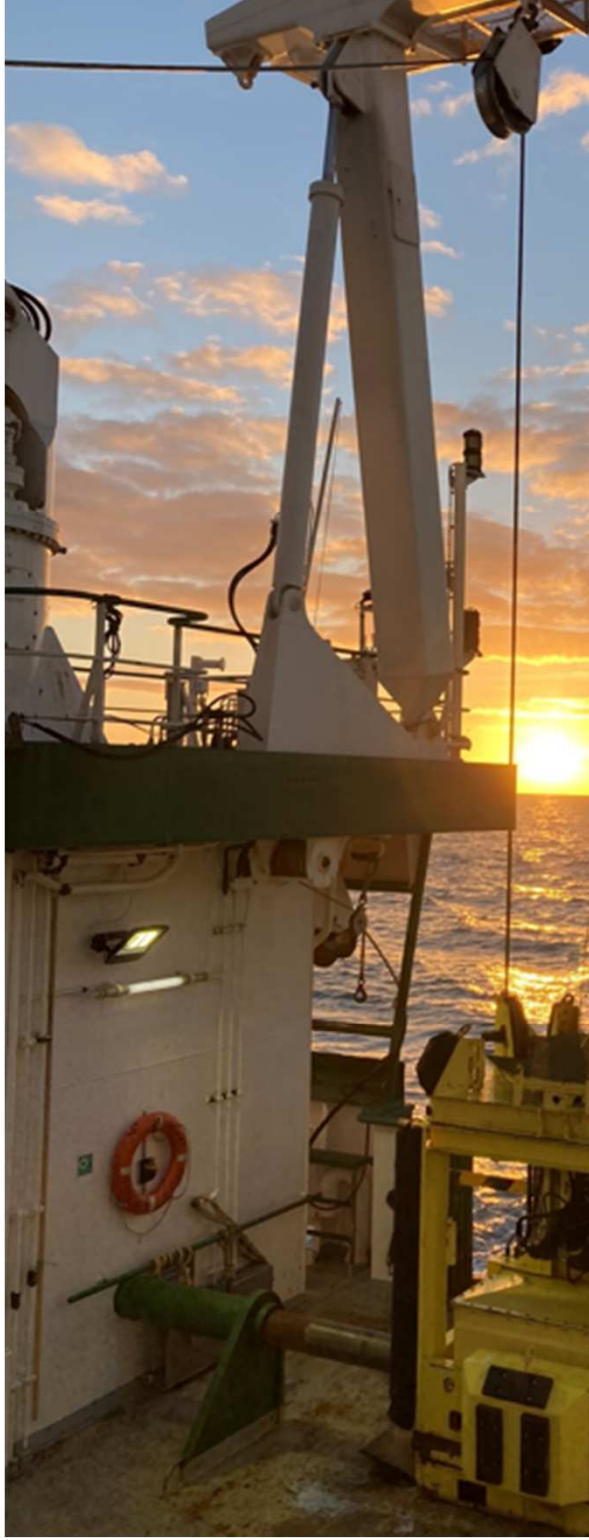
ime Area Regulatory Authority

on of the seabed

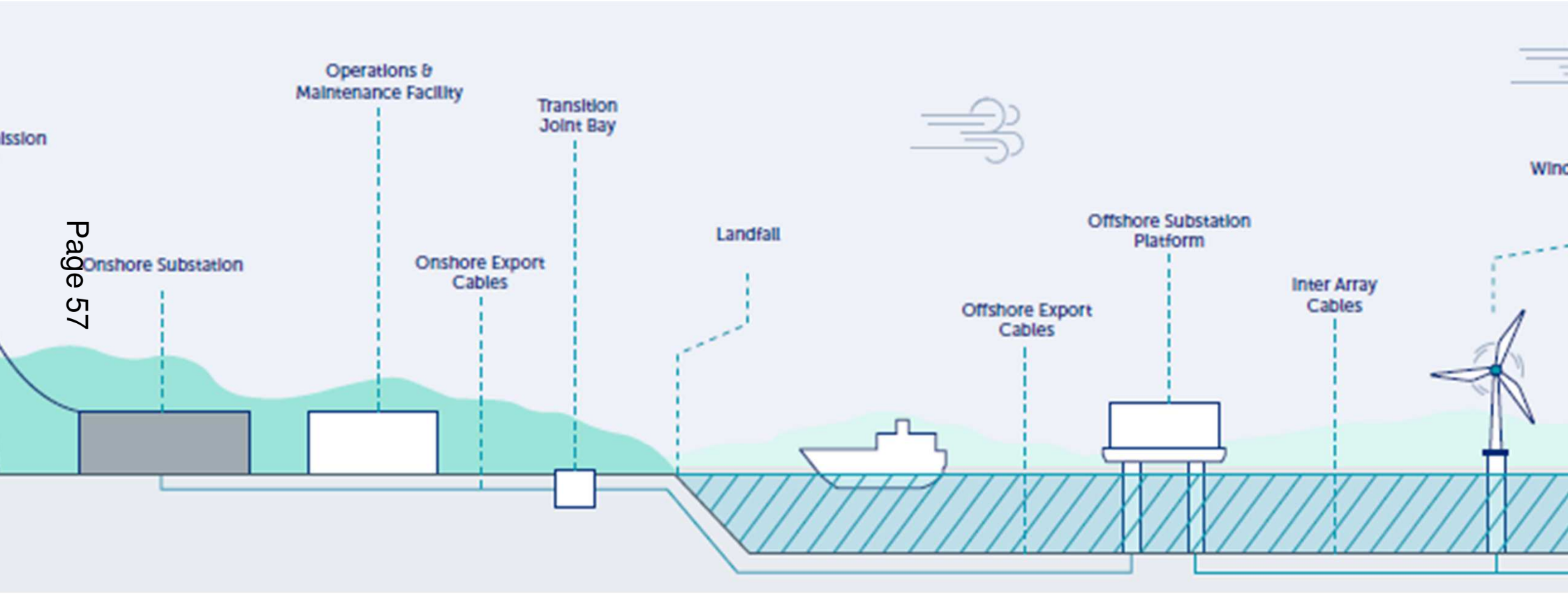
eking to construct and operate a
publicly owned part of the
need to apply for a MAC

Planning permission

- Similar to historic process for development permission(s)
- Apply to An Bord Pleanála
- Enables construction and operation of the offshore wind farm (and associated infrastructure)
- Subject to EIA and AA procedures – i.e. Environmental Impact Assessment Report and Appropriate Assessment documentation will be prepared with EIA Scoping in advance.



PONENTS OF AN OFFSHORE WIND FA



NTA WIND PARK

ed off the coast of Drogheda, Co.
approximately 18km from shore

hore Licence in place for survey
Clogherhead to Balbriggan

ed water depths 36m - 57m

otential export cable corridors to
enewable energy to shore under
sment



GRESS TO DATE

& marine mammal surveys complete, other
ronmental surveys ongoing

eries Liaison Officer appointed – consultation
oing, Stakeholder & Community Engagement.

MAC public consultation – May 2022

ect re-branded on basis of feedback – Nov 2022

al offshore Geotech surveys completed - early
2. Geophys survey and Metocean devices –
oyed Q3 2022. Geophys survey – 2023.



ATIONS & MAINTENANCE
ITY (OMF)

t base for both the onshore and offshore
ts of the wind park

ant job opportunities (technicians, control room
rs, vessel crew, warehouse staff,
stration...)

pact, ‘Nearly Zero Energy Building’ and low
construction methods

unities for connection with local community

n – assessment of options ongoing – proximity
ore wind farm is key criteria.



NTA WIND PARK TIMELINE

re
ed 2021

Construction begin (2-3 year timescale)

First Energy

Consent

Secure ORESS

Community Benefit Fund established

urvey

Apply for Planning to ABP

Timeline is for indicative purposes only. This sequence of events is subject to change.



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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

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FINGAL COUNTY COUNCIL

MARINE & COASTAL MANAGEMENT

STRATEGIC POLICY COMMITTEE MEETING

WEDNESDAY 22nd MARCH 2023

Item 05

Councillor D. Healy – Policy for Management of Beaches and Dunes

"That this Committee, learning from positive experience on beaches in Fingal and elsewhere, develops a policy for the management of beaches and dunes aimed at protecting them from erosion, and encouraging the growth of dunes and beaches as coastal protection for developed areas of Fingal, particularly in the context of rising sea levels."

Response:

There are currently no plans for the Council to develop a policy for the management of Beaches and Dunes in Fingal. A policy of this nature may be more appropriate to the Development Plan process. It may however be worth considering the preparation of "best practice guidance" for works relating to the ongoing maintenance carried out or supported by the Council to aid the protection of beaches and sand dune systems in Fingal.

Source: Kevin Halpenny, Senior Parks & Landscape Officer

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FINGAL COUNTY COUNCIL

MARINE & COASTAL MANAGEMENT

STRATEGIC POLICY COMMITTEE MEETING

WEDNESDAY 22nd MARCH 2023

Item 06

Councillor B. Dennehy – Power Generated by Off-Shore Turbine Farms

"That the Chief Executive confirms that the demand required to use all the additional electrical power generated from the planned offshore wind turbines farms currently exists within the State."

Report:

The Commission for Regulation of Utilities is Ireland's independent energy and water regulator. The CRU's role in energy is to maintain security of supply, ensure efficient network delivery and promote competition and innovation in the generation and supply of electricity and supply of natural gas. As part of this role, the CRU jointly regulates the all-island wholesale Single Electricity Market with its counterpart in Northern Ireland, the Utility Regulator.

If the Motion is passed the terms therein will be forwarded to the Commission for Regulation of Utilities and when a reply is received the members will be informed.

COMHAIRLE CONTAE FHINE GALL

FINGAL COUNTY COUNCIL

MARINE & COASTAL MANAGEMENT

STRATEGIC POLICY COMMITTEE MEETING

WEDNESDAY 22nd MARCH 2023

Item 07

Councillor P. Mulville – Special Amenity Area Orders for Rogerstown, Malahide and Baldoyle Estuaries

"That the Chief Executive, given the recent making of the new County Development Plan, outlines her best estimate as to when the process can commence to put in place Special Amenity Area Orders (SAAO) for Rogerstown, Malahide and Baldoyle Estuaries given the urgent need for Special Amenity Area Orders designations as vital to aid the conservation of these European sites and the habitats, flora and fauna that they have been designated to protect, given the Climate and Biodiversity Emergency declared by Dáil Éireann in May 2019, and the recent pressing recommendations of the Citizens' Assembly on Biodiversity Loss in November 2022."

Response:

It is anticipated that significant survey work will be commissioned at these designated sites over the coming two to three years in line with the provisions of the Fingal Biodiversity Action Plan and specifically the ongoing management of these areas. It is further expected that this data will as appropriate be directly relevant and necessary to the proposed SAAO process.

Source: Kevin Halpenny, Senior Parks & Landscape Officer