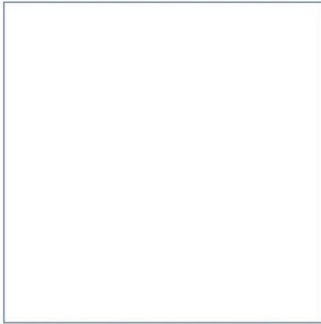
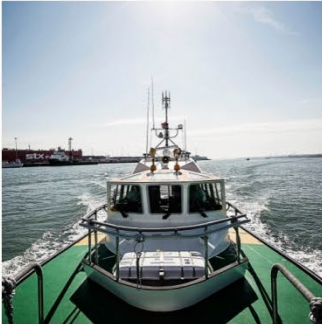
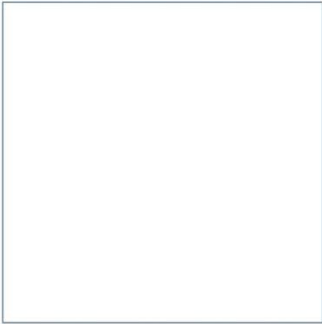
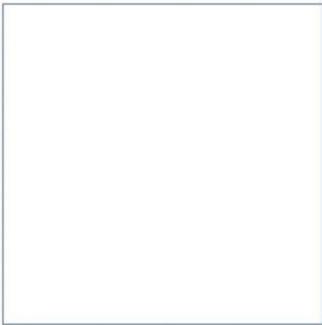


Port of Mostyn

Mostyn Energy Park Extension

Compensation Monitoring Plan

April 2025



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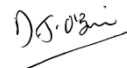
Compensation Monitoring Plan

April 2025



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ABPmer

Quayside Suite, Medina Chambers, Town Quay, Southampton, Hampshire SO14 2AQ
 T: +44 (0) 2380 711844 W: <http://www.abpmer.co.uk/>

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1 Introduction

ABPmer has been commissioned by the Port of Mostyn (PoM) to provide the required ongoing technical support to discharge Marine Licence CML2283 conditions for the Mostyn Energy Park Extension (MEPE) Project. This includes the preparation of a Compensation Plan (this report) in order to discharge the following CML2283 condition:

- 3.32.1 The Licence Holder must submit a Compensation Monitoring Plan to the Licensing Authority for written approval at least 6 weeks prior to commencement of the Licensed Activities. No Licensed Activities may be undertaken prior to written approval from the Licensing Authority.

The compensation sites at Mostyn and Warwick (also known as Marsh Row) will be monitored as part of the future monitoring schedule for the MEPE Project which covers the 7 year period of the Marine Licence CML2283. The location of these compensation sites are shown on Figure 1 and Figure 2.



Figure 1. Scrape back area at Mostyn



Figure 2. Foreshore remedial area at Warwick

The basis of the Compensation Monitoring Plan is the proposed monitoring plan that was included in the draft Habitat Compensation Plan that was prepared during the licence determination process (ABPmer, 2024). Further details of the compensation sites are provided in the Compensation Plan that has been prepared separately to discharge CML2283 condition 3.31.1 (ABPmer, 2025a). The ongoing monitoring of the wider estuary is set out in the Monitoring Plan that has been prepared separately to discharge CML2283 condition 3.30.1 (ABPmer, 2025b).

2 Monitoring Plan

The Compensation Monitoring plan is set out in Table 1. Walkover surveys at each of the compensation sites will be undertaken to confirm that the compensation measures have been implemented and to provide evidence of the improvements made to estuary habitat. The need for further walkover surveys beyond year 3 following the completion of the compensation works will be agreed with NRW Advisory in response to the reported findings as required. The estuary LiDAR surveys will be undertaken as part of ongoing monitoring as set out in the Monitoring Plan (ABPmer, 2025b).

Table 1. Compensation monitoring plan

Task	Frequency	Extent	Analysis	Reporting
EB1 – Estuary LiDAR survey	Twice in every 5 year period (i.e., approximately every 2 to 3 years).	Between a straight line joining Hilbre Point to Point of Ayr and OSGB Northing 369000.	Difference map of elevation change to previous survey. A zoomed in map of the elevation change at each of the compensation sites will also be prepared.	Reporting in Annual Report of ongoing monitoring.
Walkover ecology survey	<ul style="list-style-type: none"> ▪ Pre-construction*; ▪ Post-construction*; ▪ 1 year post-construction; and ▪ 3 years post-construction#. 	Mostyn scrape back area (Figure 1) and Warwick foreshore remedial area (Figure 2).	<p>Fixed-point photographic surveys of each compensation site.</p> <p>Phase 1 intertidal habitat mapping using a global positioning system (GPS) at each site.</p> <p>Collection of particle size analysis (PSA) samples from lower-, mid- and upper shore levels across 5 transects at each site (i.e., a total of 15 samples to be collected from each site).</p> <p>Topographic survey using RTK GPS along each of the 5 transects at each site.</p> <p>Contamination analysis of 3 samples at each site (suite of contaminants to be confirmed by NRW Advisory) during pre-construction survey only.</p> <p>Infaunal core sampling and analysis of up to 5 samples from Warwick foreshore remedial site where a viable core can be collected (i.e. areas of softer sediment)^.</p>	Reporting in a brief survey report following the completion of each walkover survey.
<p>* The initial pre- and post-construction surveys will be undertaken within a 3 month period before and after the compensation works have been completed.</p> <p># A review of survey data collected at year 3 will be undertaken in consultation with NRW Advisory to decide if any further monitoring is required.</p> <p>^ NRW Advisory has confirmed that infaunal sampling is not required to meet any marine licence conditions.</p>				

3 References

ABPmer, (2024). Mostyn Energy Park Extension, Habitat Compensation Plan, ABPmer Report No. R.4687, for Port of Mostyn, December 2024.

ABPmer, (2025a). Mostyn Energy Park Extension, Compensation Plan, ABPmer Report No. R.4838, for Port of Mostyn, April 2025.

ABPmer, (2025b). Mostyn Energy Park Extension, Monitoring Plan, ABPmer Report No. R4837, for Port of Mostyn, April 2025.

4 Abbreviations/Acronyms

CML	Construction Marine Licence
GPS	Global Positioning System
LiDAR	Light Detection and Ranging
MEPE	Mostyn Energy Park Extension
NRW	Natural Resources Wales
OSGB	Ordnance Survey Great Britain
PoM	Port of Mostyn
PSA	Particle Size Analysis
RTK	Real-time Kinematic

Cardinal points/directions are used unless otherwise stated.

SI units are used unless otherwise stated.

Contact Us

ABPmer

Quayside Suite,
Medina Chambers
Town Quay, Southampton
SO14 2AQ

T +44 (0) 23 8071 1840

F +44 (0) 23 8071 1841

E enquiries@abpmer.co.uk

www.abpmer.co.uk

