

Marine Licence with introductory note

The Marine and Coastal Access Act (2009)

Licence Holder: Seaweedology

Company Number: 12794046

Suite 3, 90-92 High Street
Henley-In-Arden
England
B95 5BY

Establishment of a 4 hectare seaweed farm
off the coast of Tenby and Caldey Island,
Pembrokeshire

Licence Number:

DEML2041

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the coast of Tenby and Caldey Island,
Pembrokeshire**

Marine Licence number: DEML2041

Introductory note

This introductory note does not form a part of the marine licence

The main features of the marine licence are as follows.

Establishment of a 4 hectare seaweed farm off the coast of Tenby and Caldey Island, Pembrokeshire.

The status log of the marine licence sets out the marine licence history, including any subsequent marine licence variation(s)

Status log of this marine licence		
Description	Date	Comments
Application	Duly made 10/09/2020	Application received and considered to be duly made
Date licence determined	10/11/2021	Determination date

Related marine licences or applications under determination

Not applicable.

End of introductory note.

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MARINE LICENCE, NUMBER DEML2041

1 LICENCE DETAILS

1.1 Marine Licence

This is a licence granted by the Licensing Authority in respect of an application numbered **DEML2041** and duly made on **10 September 2020** and authorises the Licence Holder to carry on activities for which a licence is required under Part 4 of the Marine and Coastal Access Act 2009, (2009 Act). This licence should be interpreted in accordance with **Section 4**.

1.2 Licence Holder

The Licence Holder is the organisation set out below:

Organisation name: Seaweedology

Company number: 12794046

Address: Suite 3, 90-92 High Street, Henley-In-Arden, England, B95 5BY

1.3 Licence Validity

Licence Start Date	15 November 2021
Licence End Date	18 December 2025
Licence Issue Date	10 November 2021

1.4 Conditions

This licence is subject to the conditions set out in **Section 3**.

Signed:



For and on behalf of the Licensing Authority

2 LICENSED ACTIVITIES

2.1 Project

Establishment of a 4-hectare seaweed farm off the coast of Tenby and Caldey Island, Pembrokeshire.

The following Licensed Activities can be conducted within the Licence Period, within the Licensed Area and in accordance with the Approved Application and the Approved Supporting Documents:

Table 1 Licensed Activities

Activity 1 Deposit, maintenance and decommissioning of sea cubes, buoys, ropes, and monitoring equipment	
Type of Licensed Activity	Deposit/Removal
Description	Six sea cubes will be deposited to form the outline of the farm and they will sit at a depth of approximately 15-19 metres. Up to 525 buoys will be placed within the farm area, with seed line deposited between the buoys. The buoys will be marked in accordance with Trinity House guidelines. The ropes will be spaced at ten-metre intervals. Deployment of scientific equipment in accordance with the Marine Mammal Entanglement Plan detailed in condition 3.21.1 and the Passive Acoustic Monitoring Plan detailed in condition 3.21.3. Seaweed farm operations will only take place between October and April, and all farm infrastructure (except for the six outline buoys) will be removed by the 30 of April each year and will not be redeposited until after the 01 October. Decommissioning activities will include the reverse of the installation process, including the removal of the buoys, lines, followed by the marker buoys and the anchors.
Material types to be removed or deposited	Steel, Plastics, Concrete Other: Seaflex and Moorflex
Quantities/Dimensions	Seeded line: Up to 3900m Seacubes: six weights (anchors) Rope to mark area: Up to 1000m

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	Up to a maximum of 96 orange marker buoys and 429 grey marker buoys.
Activity 2 Removal of accidentally dropped objects pursuant to condition 3.7	
Type of Licensed Activity	Removal
Description, material types and quantities/dimensions	As approved by the Licensing Authority under condition 3.7.

2.2 Licensed Area

The Licence Holder is authorised to conduct the activities described in Table 1, bounded by the coordinates specified in Table 2:

Table 2 Coordinates

Longitude	Latitude
-4.6376848	51.647300
-4.6319098	51.647430
-4.6318577	51.646532
-4.6376326	51.646402

In the event of any discrepancy between the coordinates set out above and the plan attached at Appendix 1, the coordinates shall take precedence.

2.3 Approved Supporting Documents

Title/Description of Document	Date	Version No.
<u>Application Form</u>	01 December 2020	2
<u>Carmarthen Bay Report</u>	05 August 2021	4
<u>Consultation Response 3</u>	05 August 2021	3

<u>Biosecurity Plan</u>	15 February 2021	2
<u>Navigational Risk Assessment</u>	11 October 2021	3
<u>WFD Scoping Template Carmarthen Bay</u>	09 September 2020	1
<u>Construction Plan</u>	09 September 2020	1
<u>Location Map with Features</u>	09 September 2020	1
<u>Nautical Chart Small</u>	17 November 2020	1
<u>Nautical Chart Large</u>	17 November 2020	1

3 CONDITIONS

Notification and Inspection

3.1 Notification of Commencement

- 3.1.1 The Licence Holder must notify the Licensing Authority no less than **10 days** before the commencement of the Licensed Activities, or an individual phase of the Licensed Activities, is expected to commence.
- 3.1.2 The Licence Holder must notify Welsh Government Marine & Fisheries Division (Control & Enforcement Branch) no less than **10 days** before the commencement of the Licensed Activities, or an individual phase of the Licensed Activities, is expected to commence.
- 3.1.3 The Licence Holder must ensure that local mariners and fishermen's organisations are made fully aware of the Licensed Activities through local notices to mariners **10 days** prior to the commencement of the Licensed Activities.
- 3.1.4 The Licence Holder must notify the UK Hydrographic Office **10 days** before commencement of the Licensed Activities. The notification must include start and end date, work to be completed and coordinates of the working area (co-ordinates should be provided in WGS84).

3.2 Notification of Vessels

The Licence Holder must ensure that the details of the vessels utilised to undertake the Licensed Activities are submitted to the Licensing Authority and Welsh Government Marine & Fisheries Division (Control & Enforcement Branch) at least **24 hours** prior to the commencement of the Licensed Activities.

3.3 Notification of Agents/Contractors/Sub-contractors

The Licence Holder must ensure that details of any agent(s), contractor(s) or sub-contractor(s) utilised to undertake the Licensed Activities are submitted to the Licensing Authority at least **24 hours** prior to the commencement of Licensed Activities.

3.4 Notification of HM Coastguard

The Licence Holder must ensure that HM Coastguard is made aware of the Licensed Activities at least 24 hours prior to commencement by contacting The National Maritime Operations Centre at zone28@hmcg.gov.uk.

3.5 Inspection of Licensed Activities

The Licence Holder must allow Marine Enforcement Officers or any other person authorised by the Licensing Authority to inspect the Works at any reasonable time.

3.6 Notification of Completion

- 3.6.1 The Licence Holder must notify the Licensing Authority within **10 days** of completion of the Licensed Activities.

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3.6.2 The Licence Holder must notify Welsh Government Marine & Fisheries Division (Control & Enforcement Branch) within **10 days** of completion of the Licensed Activities.

3.6.3 The Licence Holder must notify the United Kingdom Hydrographic Office (UKHO) and Trinity House of the completion (**within 5 days**) of the authorised project or any part thereof in order that all necessary amendments are made to nautical charts.

3.7 Accident or Emergency

3.7.1 If, by reason of force majeure any substances or articles are deposited otherwise than as permitted as part of the Licensed Activities or in the Licensed Area full details of the circumstances shall be notified to the Licensing Authority within **48 hours** of the incident occurring.

3.7.2 If it is necessary for the Licence Holder to recover or remove any equipment, plant or machinery used to undertake the Licensed Activities that have been dropped as a result of an accident or emergency, the Licence Holder is permitted to do so provided that the methodology for such recovery or removal has been approved by the Licensing Authority.

3.8 Distribution of Copies of this Licence

The Licence Holder is required to ensure that a copy of this Licence is given to:

- All agent(s), contractor(s) and sub-contractor(s) whose names have been provided to the Licensing Authority under condition 3.3 and
- The Masters of any vessels and transport managers responsible for the vehicles employed in accordance of this Licence whose details have been submitted to the Licensing Authority under condition 3.2.

3.9 Inspection of Documents

Copies of this Licence shall be made available at the following locations:

- at the address of the Licence Holder specified in section 1.2;
- at any site office, located at or adjacent to the Licensed Area, used by the Licence Holder or its agent(s), contractor(s) or sub-contractor(s) responsible for the loading transportation or deposit of any substances or articles permitted as part of the Licensed Activities; and
- on board each vessel or vehicle carrying out Licensed Activities.

The documents referred to in this Condition shall be available at all reasonable times for inspection by officers appropriately authorised by the Licensing Authority and authorised Marine Enforcement Officers at the locations stated in that paragraph.

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Vessels, Plant and Equipment

3.10 Notified Contractors and Vessels only to Carry out Licensed Activities

Only those agent(s), contractor(s), sub-contractor(s) and vessels whose details have been notified to the Licensing Authority may operate under the terms of this Licence. Any changes must be notified to and be approved by the Licensing Authority in writing prior to any such agent, contractor, subcontractors or vehicles carrying out any Licensed Activities pursuant to or otherwise operating under this Licence.

3.11 Refuelling of Plant and Equipment

The Licence Holder must ensure that plant, vehicles and machinery are not refuelled on the foreshore or in the sea.

3.12 Equipment, Structures and Access

The Licence Holder must ensure that all equipment, temporary structures, access tracks, waste and/or debris associated with the Licensed Activities are removed on completion of the Licensed activities.

Safety

3.13 Removal of Deposited Material

If the Licensing Authority considers it necessary or advisable for the safety of navigation, the Licence Holder must remove any deposit specified by the Licensing Authority or Marine Enforcement Officers within one month of notice being given by the Licensing Authority, and shall not replace such material until the Licensing Authority has given its written approval.

Pollution control

3.14 Pollution Prevention

The Licence Holder must ensure that pollution prevention best practice is adhered to at all times. Any incidents must be reported to the Licensing Authority as soon as possible using the hotline number **0300 065 3000**.

3.15 Spillage of Pollutants

The Licence Holder must employ bunding, storage facilities and spill kits to contain and prevent the release of fuel, oils and chemicals associated with the plant, refuelling and construction equipment into the marine environment. Secondary containment must be used with a capacity of **no less than 110%** of the container's storage capacity

3.16 Prevention of Disposal of Man-made Debris

The Licence Holder must ensure that all reasonable precautions are taken to prevent the disposal of man-made debris to the marine environment. Such material must be removed immediately and be disposed of appropriately. If it is not possible to prevent manmade debris from entering the marine environment during the Licensed Activities, the Licensed Activities must cease immediately.

3.17 Biosecurity

- 3.17.1 The Licence Holder must ensure that equipment, machinery and PPE are washed with freshwater and/or thoroughly airdried before deployment and before moving between locations.
- 3.17.2 The Licence Holder must ensure any actions outlined in “Biosecurity Plan v2 dated 15 February 2021” are implemented. Any proposed changes to the actions outlined in the document must be submitted to, and approved in writing by the Licensing Authority prior to any changes being enacted.

Activity-specific Conditions

3.18 Ministry of Defence Notification

The Licence Holder must notify Pendine Range Control when in the vicinity of the Pendine Range. The notice must include details of the activity including dates and timings.

3.19 Navigation

- 3.19.1** The Licence Holder must ensure that the project exhibit such lights, marks, sounds, signals and other aids to navigation and to take such steps for the prevention of danger to navigation as directed by Trinity House.
- 3.19.2** The Licence Holder must provide notification to Trinity House detailing the availability of aids to navigation.
- 3.19.3** The Licence Holder must submit a Marine Emergency Action Card (MEAC) 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.
- 3.19.4** The Licence Holder must ensure that any actions outlined in the documents detailed in condition 3.19.3 are implemented as approved in writing by the Licensing Authority. Any proposed changes to the actions outlined in the documents must be submitted to, and approved in writing by the Licensing Authority prior to any changes being enacted.
- 3.19.5** The Licence Holder must submit the Operations and Maintenance plan (OMP) for inspections and recovery operations to the Licensing Authority for written approval.

The Operations and Maintenance Plan (OMP) must include the following:

- details of the deployments, and site layout;
- lighting and marking of the site;

- maintenance and inspection plans for the site, including frequency of visits; and
- monitoring and plans in the event of a problem including recovery arrangements.

3.19.6 The Licence Holder must ensure that any actions outlined in the documents detailed in condition 3.19.5 are implemented as approved in writing by the Licensing Authority. Any proposed changes to the actions outlined in the documents must be submitted to, and approved in writing by the Licensing Authority prior to any changes being enacted.

3.19.7 In the event of damage, destruction or decay of the authorised project, the Licence Holder must notify the Licensing Authority, Marine and Coastguard Agency, Trinity House, the Kingfisher Information Service of Seafish and the UKHO within **24 hours**.

3.19.8 The Licence Holder must ensure the lines and buoys (with the exception of buoys marking the 6 seacubes) are removed by 30 April each year and are not redeposited until after the 01 October. The yellow marker buoys (buoys at the corners) and seacubes must remain in the water for the duration of the licence. Seacubes that are not attached to the yellow marker buoys must be marked with a warning buoy whilst the farm is not operating.

3.20 Navigational Risk Assessment

The Licence Holder must ensure any actions outlined in “Navigational Risk Assessment dated 11 October 2021” are implemented. Any proposed changes to the actions outlined in the document must be submitted to, and approved in writing by the Licensing Authority prior to any changes being enacted.

3.21 Marine Mammal Entanglement Protocol

3.21.1 The Licence Holder must submit a Marine Mammal Entanglement Protocol (MMEP) to the Licensing Authority for written approval at least 6 weeks prior to the commencement of the Licensed Activities. No Licensed Activities may be undertaken prior to written approval from the Licensing Authority.

3.21.2 The Licence Holder must ensure that any actions outlined in the documents detailed in conditions 3.21.1 are implemented as approved in writing by the Licensing Authority. Any proposed changes to the actions outlined in the documents must be submitted to, and approved in writing by the Licensing Authority prior to any changes being enacted.

3.21.3 The Licence Holder must submit a Remote Video and Passive Acoustic Monitoring Plan to the Licensing Authority for written approval at least 6 weeks prior to the commencement of the Licensed Activities. No Licensed Activities may be undertaken prior to written approval from the Licensing Authority.

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- 3.21.4** The Licence Holder must ensure that any actions outlined in the documents detailed in conditions 3.21.3 are implemented as approved in writing by the Licensing Authority. Any proposed changes to the actions outlined in the documents must be submitted to, and approved in writing by the Licensing Authority prior to any changes being enacted.
- 3.21.5** The Licence Holder must submit annual Entanglement Reports discussing monitoring data collected and any recommended mitigation for future works, to the Licensing Authority by the 30 June each year for written approval.
- 3.21.6** The Licence Holder must undertake all mitigation identified in Entanglement Report detailed in condition 3.21.5 as approved by the Licensing Authority.
- 3.21.7** The Licence Holder must not carry out any further deposits after, 1 October 2022, 1 October 2023, 1 October 2024 without prior written approval from the Licensing Authority.

3.22 Site Visits

- 3.22.1** The Licence Holder must ensure no more than one site visit occurs every three weeks (excluding emergency visits).
- 3.22.2** The Licence Holder must ensure that the approved vessel routing plan, shown in Appendix 2 is adhered too during all site visits.
- 3.22.3** The Licence Holder must submit a log detailing the number of vessel visits to the site (including both routine and emergency visits) to the Licensing Authority by the 30 June each year.

3.23 Decommissioning

- 3.23.1** The Licence Holder must submit a Decommissioning Plan for the approval of the Licensing Authority at least **6 weeks** prior to commencement of the Licensed Activities. No work may be undertaken prior to written approval from the Licensing Authority.
- 3.23.2** The Licence Holder must ensure that any actions outlined in the document detailed in condition 3.23.1 are implemented as approved in writing by the Licensing Authority. Any proposed changes to the actions outlined in the documents must be submitted to, and approved in writing by the Licensing Authority prior to any changes being enacted.
- 3.23.3** The Licence Holder must ensure that all infrastructure and associated equipment are decommissioned prior 18 December 2025.

4 INTERPRETATION

In this Licence terms are as defined in section 115 of the Marine and Coastal Access Act unless otherwise stated.

- (a) **"2009 Act"** means the Marine and Coastal Access Act 2009;
- (b) **"Approved Application"** means the Marine Licence Application Form together with the Approved Supporting Documents;
- (c) **"Approved Supporting Documents"** means the documents supporting, or supplementary to, the Approved Application, submitted prior to the Licence Issue Date, listed in the Table at paragraph 2.3 above;
- (d) **"Commencement"** means the first undertaking of any Licensed Activities;
- (e) **"Force majeure"** may be deemed to apply when, due to stress of weather or any other cause, the master of a vessel determines that it is necessary to deposit the substances or articles because the safety of human life and/or of the vessel is threatened;
- (f) **"Licensed Activities"** means the activities authorised by this licence as specified in 2.1;
- (g) **"Licensed Area"** means the area within which Licensed Activities are authorised by this licence as specified in section 2.2;
- (h) **"Licence Holder"** means the person(s) or organisation(s) named in section 1.2 to whom this licence is granted;
- (i) **"Licence Period"** means the period beginning with the Licence Start Date and ending on the Licence End Date;
- (j) **"Licensing Authority"** means Natural Resources Wales acting on behalf of the Welsh Ministers;
- (k) **"Marine Enforcement Officers"** means the relevant officers appointed by Welsh Ministers under section 235 of the 2009 Act, contact details for whom are provided in section 5;
- (l) **"Marine Licence Application Form"** means the application form forming part of the application referred to in paragraph 1.1;
- (m) **"Method Statement"** means the Method Statement(s) forming part of the Approved Application or Approved Supporting Documents;

- (n) **“Works”** means any construction activities comprised in the Licensed Activities and, where the context permits, includes any plant, equipment or materials used to carry out those activities or operations but excludes monitoring, minor routine maintenance or other ongoing operational activities following completion of any construction activities;
- (o) all times shall be taken to be the time in Greenwich Mean Time (GMT) on any given day;
- (p) all co-ordinates shall be taken to be latitude and longitude degrees and minutes to six decimal places;
- (q) in the event of any discrepancy between the coordinates listed in paragraph 2.2 and the plan attached at Appendix 1, the coordinates shall take precedence.

5 CONTACTS

Except where otherwise indicated, the primary point of contact with the Licensing Authority and the address for returns, correspondence and requests for variations of the licence is:

Marine Licensing Team
Natural Resources Wales
Permitting Service
29 Newport Road
Cambria House
Cardiff
CF24 0TP

Tel: 0300 065 3000
Email: marinelicensing@naturalresourceswales.gov.uk

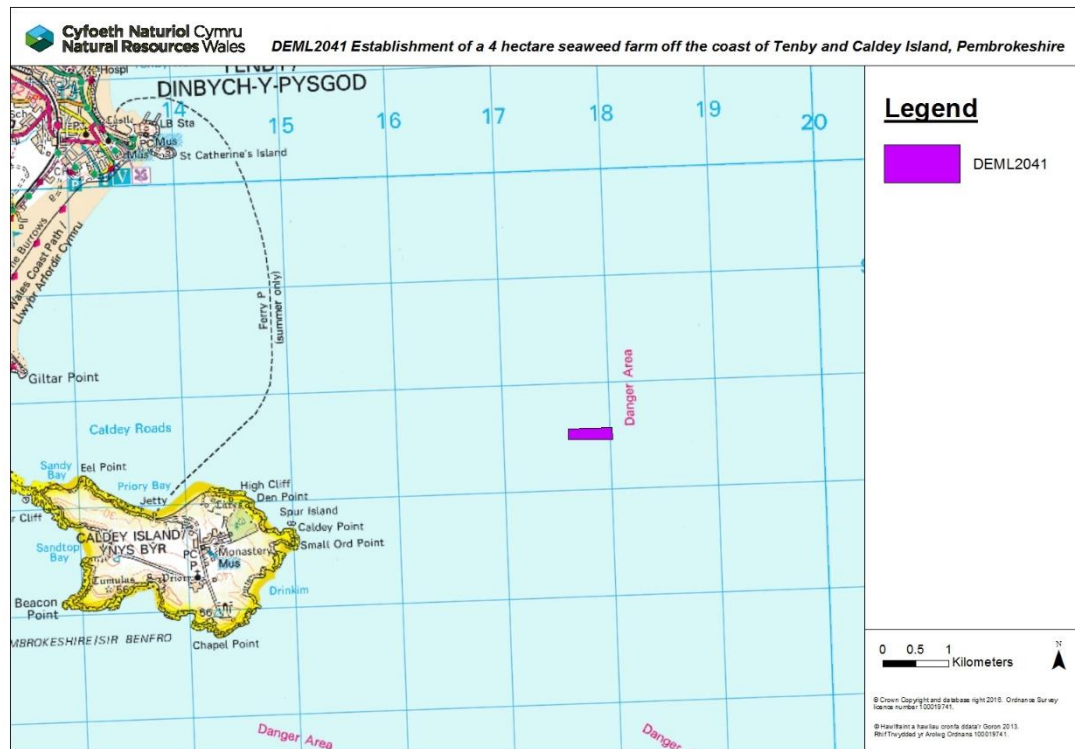
Welsh Government Marine Enforcement Officers may be contacted at:

Welsh Government
Suite 3
Cedar Court
Haven's Head Business Park
Milford Haven Pembrokeshire
SA73 3LS

Tel: 03000253500
Email: wfmccmpc@gov.wales

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Appendix 1 – Map showing location of DEML2041



Appendix 2 – Map showing the approved vessel routing plan

