

AQUACULTURE AND FORESHORE LICENCE APPLICATION FORM, for purposes of FISHERIES (AMENDMENT) ACT, 1997 and FORESHORE ACT, 1933

NB: The accompanying Guidance Notes should be read before completing this form.

Note: Details provided in Parts 1 and 2 will be made available for public inspection. Details provided in Parts 3 and 4 and any other information supplied will not be released except as may be required by law, including the Freedom of Information Act 1997 as amended.

USE BLOCK CAPITALS IN BLACK INK PLEASE

For Office Use

Application Ref. No. T04/155.

Date of Receipt (Dept. Stamp):



| Type of Applicant (tick one) | | |
|-------------------------------------|-----------------|-------------------------------------|
| Sole Trader | | <input type="checkbox"/> |
| Partnership | | <input type="checkbox"/> |
| Company | | <input checked="" type="checkbox"/> |
| Co-Operative | | <input type="checkbox"/> |
| Other | Please specify- | <input type="checkbox"/> |

PART 1: PRELIMINARY DETAILS

| Applicant's Name(s) | |
|----------------------------|---|
| 1. | Irish Mussel Seed Company Limited (IMSC) |
| Address: | 22 Church View Arklow County Wicklow |
| 2. | |
| Address: | |
| 3. | |
| Address: | |
| 4. | |
| Address: | |

| | |
|---|---|
| Contact in case of enquiries (if different from above) | |
| Contact Name | Kate Dempsey |
| Organisation Name (if applicable) | Irish Mussel Seed Company Limited |
| Address | 22 Church View Arklow County Wicklow |

PART 1: PRELIMINARY DETAILS

TYPE OF APPLICATION – please indicate relevant type of application
This Application Form is valid for each type of application - *See Guidance Note 3.1*

| | |
|--|-------------------------------------|
| (i) Aquaculture Licence | <input checked="" type="checkbox"/> |
| (ii) Trial Licence | <input type="checkbox"/> |
| (iii) Foreshore Licence, if Marine Based | <input checked="" type="checkbox"/> |
| (iv) Review of Aquaculture Licence | <input type="checkbox"/> |
| (v) Renewal of Aquaculture Licence | <input type="checkbox"/> |

TYPE OF AQUACULTURE

See Guidance Note 3.2

Indicate the relevant type of application with a tick.

(i) MARINE-BASED

- | | | |
|---|-------------------------------------|--------------------------|
| Finfish | <input type="checkbox"/> | Go to Parts 2.1 and 2.1A |
| Shellfish <i>Subtidal</i> | <input checked="" type="checkbox"/> | Go to Parts 2.2 and 2.2A |
| <i>Intertidal</i> | <input type="checkbox"/> | Go to Parts 2.2 and 2.2A |
| Seaweed/Aquatic Plants/Aquatic Fish Food | <input type="checkbox"/> | Go to Parts 2.3 and 2.3A |

(ii) LAND-BASED

- | | | |
|--|---|--------------------------|
| Finfish <input type="checkbox"/> | Shellfish <input type="checkbox"/> | Go to Parts 2.4 and 2.4A |
| Aquatic Plants <input type="checkbox"/> | Aquatic Fish Food <input type="checkbox"/> | Go to Parts 2.4 and 2.4A |

(iii) TRIAL LICENCE

- | | |
|--------------------------|---|
| <input type="checkbox"/> | Go to appropriate Parts as above and to Part 2.5. |
|--------------------------|---|

2.2 MARINE-BASED SHELLFISH AQUACULTURE

When filling out this section refer also to 2.2A and Guidance Note 3.3 for information on Conditions and Documents required with this application type

Proposed Site Location

- (i) Bay: **Waterford Harbour**
- (ii) County: **Waterford**
- (iii) OS Map No: **As per attached map (Site C)**
- (iv) Co-ordinates of Site: (please specify coordinate reference system used e.g. Irish Grid (IG) or Irish Transverse Mercator (ITM) or Latitude/Longitude [in which case specify whether ETRS89 or WG84 etc.]

| Site C (4.5 Ha) | | |
|---|--------|--|
| The area seaward of the high water mark and enclosed by the line drawn from Irish National Grid Reference point | | |
| E | N | |
| 271180 | 103045 | to Irish National Grid Reference point |
| 271280 | 102850 | to Irish National Grid Reference point |
| 271060 | 102760 | to Irish National Grid Reference point |
| 271015 | 102970 | to the first mentioned point |

- (v) Size of Site (hectares): **4.5 Ha Total**

(vi) Species (common and scientific name) and whether native or non-native species: (see Guidance Notes 3.3.1)

Mussels (Mytilus Edulis)

(vii) Whether production will be sub-tidal or inter-tidal?

Sub-tidal

(viii) Please supply details of (a) source of seed e.g. wild hatchery and location and (b) means of collection and introduction to culture.

(a) Sourced from IMSC seed settlement site, license application T32/27 refers (AL1260).

(b) Longlines

NB Importation of seed into the State or movement of seed within the State requires notification to the Marine Institute as per the Fish Health Authorisation Regulations – See Guidance Notes Section 6

(ix) Method of culture (rope, trestles – intensive; bottom – extensive; other)

Bottom culture

(x) Proposed number of lines/ropes/trestles as per site layout drawing

N/A

(xi) Proposed Production Tonnage: (Amount of seed being placed on the site)

| | | | | | | | | | |
|--------|---------|--------|---------|--------|---------|--------|---------|--------|---------|
| Year 1 | 280-350 | Year 2 | 280-350 | Year 3 | 280-350 | Year 4 | 280-350 | Year 5 | 280-350 |
|--------|---------|--------|---------|--------|---------|--------|---------|--------|---------|

(xii) (a) Please outline the reasons for site selection:

IMSC are licenced to grow mussel seed on longlines and for sale to the bottom culture industry

This site will be used as wet warehouse for seed and have the option to on-grow to full size.

This site has previously been considered by the Minister as appropriate for bottom culture T04/113A, T04/113B, T04/113C, T04/113D refers.

As previously determined by the Minister of Agriculture, Food and the Marine scientific advice is to the effect that the waters are suitable for the cultivation of mussels.

The area is located adjacent to the Waterford Harbour Shellfish Growing Waters Area. From a visual impact aspect, the views of the sites are obscured and limited from scenic routes.

As this is bottom cultivation no structures are used resulting in no visual impact.

As per the minister's consideration no significant effects arose regarding wild fisheries.

The proposed aquaculture should have a positive effect on the economy of the local area.

The Minister has already determined that the proposed aquaculture is not likely to have significant effects on the environment and that an Environmental Impact Statement is not required for this project.

The site is not located within the River Barrow and River Nore SAC (adjacent).

An Article 6 Appropriate Assessment has been carried out in relation to aquaculture activities in the SAC (attached) This document outlines how aquaculture activities in this SAC are being licensed and managed so as not to significantly and adversely affect the integrity of the River Barrow and Nore SAC.

The minister has also decided that the activity of mussel growing on these sites is consistent with Conservation Objectives.

The proposed activity on the site has previously been subject to public and statutory consultation, the minister found as follows;

Public access to recreational and other activities can be accommodated through mussel on-growing on the aforementioned sites.

Shellfish has a positive role in the ecosystem function in terms of nutrient and phytoplankton mediation as well as provision of habitat.

(b) If using trestles please outline the physical characteristics of the site which make it suitable for using trestles

N/A

(xiii) Is it intended that the product is for direct human consumption or half grown? Please specify

This site will be used for both wet warehousing and on-growing, where necessary and appropriate. Therefore, mussel will be both half grown and for human consumption.

(xiv) How will the visual impact issues of the flotation devices for the proposed application be addressed?

N/A

(xv) Is the site located in Designated Shellfish Waters Area? (Refer to Guidance Note 3.3.2)

Yes No

If yes give details.

See attached Shellfish Designation map no 35 for Waterford Harbour

If **no** outline the reasons why you believe the site suitable for the proposed aquaculture, notwithstanding its location outside Designated Shellfish Waters Area?

N/A

(xvi) Has the area been classified under Food Safety Legislation? (For Bivalve Molluscs) What is the current classification of the area for the proposed species applied for?

Unclassified, adjacent areas are classified B for mussels and A for oysters, please see attached map.

(xvii) Is the site located in/adjacent to a sensitive area e.g. SPA (Special Protection Area) or SAC (Special Area of Conservation) i.e. a Natura 2000 site? (Refer to Guidance Note 3.3.1- Natura 2000 sites)

This site is part of a group of 4 (A,B,C&D). Site D, the nearest site production area to the River Barrow and River Nore SAC is located over 5km from the south eastern-most point of the SAC boundary. As outlined in the Appropriate Assessment attached, the distance between the SAC and the application sites and the proximity to the shoreline (away from likely navigation channels) it was deemed that there are no likely ex situ effects on Qualifying Features of the SAC (i.e. new application sites south of Creadun Head are screened out).

(xviii) Are there known sources of pollution in the vicinity e.g. sewage outfall? Yes / No
If yes please give full details.

None other than those described in the Appropriate Assessment (Attached)

(xix) Methods used to harvest the shellfish and details of any subsequent processing of shellfish

Mussel dredger followed by washing in saltwater in plant on boat. As new technologies become available and feasible which act to better serve the ecology and sustainability of the sites IMSC wish to engage the use of these technologies. IMSC will consult the Department of Agriculture Food and the Marine in advance of such use of new technology to ensure appropriateness and gain permission for use.

(xx) Describe any proposed purification facilities to be used:

N/A – Wet Warehousing

Should mussel require growth to full size by IMSC shellfish safety guidelines will be strictly adhered to and measures put in place to facilitate purification.

(xxi) What are the main predators of the species to be cultivated?

Asterias Vulgaris (sea stars) and Green crab

(xxii) Describe the method(s) which will be used to control them

Active Monitoring: Sea Stars may be controlled by mops and Green Crab through potting

See Part 2.2A for details of documentation to be included with this application type

2.2A DOCUMENTATION REQUIRED FOR MARINE-BASED SHELLFISH AQUACULTURE

(to be included separately with a Licence Application for a new site or for a renewal or review of an existing Licence)

- 1. An appropriate Ordnance Survey Map (recommendation is a map to the Scale of 1:10,000/1:10,560, i.e. equivalent to a six inch map). Note: The proposed access route to the site from the public road across tidal foreshore must also be shown on the map.**
- 2. Scale drawing of the structures to be used and the layout of the farm.**
The proposed site drawings must illustrate all site structures above and below the water including mooring blocks. (recommended scales normally 1:100 for structures and 1:200 for layout) (See Guidance Note 3.3.2)
- 3. The prescribed application fee (See Guidance Note Section 4)**
- 4. If the applicant is a limited Company within the meaning of the Companies Act 1963, as amended, the Certificate of Incorporation and Memorandum and Articles of Association**
- 5. If the applicant is a Co-operative, the Certificate of Incorporation and Rules of the Co-operative Society**
- 6. Environmental Impact Statement (if required) in certain cases- See Guidance Notes Section 3.3.1**
- 7. Alien Species dossier (where required) – See Guidance Notes Section 3.3.1**

NOW COMPLETE PARTS 2.6, 3, 4 AND 5 PLEASE

**2.6 Employment, Qualifications, Experience, etc
TO BE FILLED IN BY ALL AQUACULTURE APPLICANTS**

(i) Please provide details of experience/qualifications of the applicant and any key personnel which are relevant to the aquaculture now proposed:

The applicant company holds an aquaculture licence for spat collection on longlines. All staff are experienced in aquaculture practice in relation to mussel production and cultivation.

Kate Dempsey

- **H Dip in Business in Aquabusiness**
- **Certificate of proficiency in Personal Survival Techniques on board ship**
- **Certificate of proficiency in Elementary First Aid on board ship**
- **Manual Handling**
- **Fetac Certificate in Aquaculture Level 5**
- **Occupational First Aid**
- **Computer Applications**
- **Information Technology Skills**
- **Safety at Sea**
- **Work Boat Handling**
- **Hatchery Production**
- **Shellfish On-growing Operations**
- **Finfish On-growing Operations**
- **Marine Engineering Processes**
- **Communications**
- **Constitutional Law 1&2**
- **Understanding of Irish legal system**
- **Contract Law**
- **Tort Law**
- **Equity and Trusts Law**
- **Labour Law**
- **Law of Evidence**
- **Land Law and Succession**
- **Administrative Law**
- **Judicial Law**
- **Family Law**
- **European Law**
- **Company Law**

Danny Dempsey:

- **Safety at Sea**
- **Work Boat Handling**
- **Certificate of proficiency in Personal Survival Techniques on board ship**
- **Certificate of proficiency in Elementary First Aid on board ship**
- **Over forty years' experience in the fishing industry as a skipper and boat owner in a diverse range of fishing projects.**

Daniel Dempsey Jnr

- **Skippers Ticket- Second Hand Full and a number of years as skipper and boat owner in a range of fishing activities.**

- **Radio Ticket**
- **3 Day Fire Fighting Course**
- **3 Day First Aid Course**
- **Sea Survival & First Aid**
- **Marine Fire Fighting, 5 Day Course**
- **Daniel also owns and runs a construction company and has many qualifications which are not directly related to this project, but which will benefit him in running the boat and the day to day operations.**

(ii) If a new application, please provide details of projected employment creation during first four years of the proposed aquaculture project:

(iii) In the case of a renewal please provide current and future details:

This relates to sites A, B, C & D.

FULLTIME JOBS

| | | | | | | | |
|---------|---|---------|---|---------|---|---------|---|
| Year 1: | 1 | Year 2: | 1 | Year 3: | 1 | Year 4: | 1 |
|---------|---|---------|---|---------|---|---------|---|

PART TIME JOBS

| | | | | | | | |
|---------|---|---------|---|---------|---|---------|---|
| Year 1: | 2 | Year 2: | 2 | Year 3: | 2 | Year 4: | 2 |
|---------|---|---------|---|---------|---|---------|---|

3. Will the product be processed or packaged?

YES

NO

4. If yes, give details: _____

PART 5: APPLICATION DOCUMENTATION

The following documents are enclosed with this application:

NB: Refer to Guidance Note Section 3.3 – Guidance on Application Documentation

| No. | DOCUMENTATION | YES | NO | N/A |
|-----|---|-----|----|-----|
| 1a | An appropriate Ordnance Survey Map (recommendation is a map to the scale of 1:10,000/10:10,560, i.e., equivalent to a six inch map) | ✓ | | |
| 1b | The proposed access route to the site from the public road across tidal foreshore must also be shown | | | |
| 2a | Scale drawing of the structures to be used (recommended scale normally 1:100 for structures). | N/A | | |
| 2b | Scale drawing of farm layout (recommended scale normally 1:200 for layout) | | | |
| 3 | The prescribed application fee | ✓ | | |
| 4 | Environmental Impact Statement (EIS), if required | N/A | | |
| 4a | Natura Impact Statement (NIS), if required | N/A | | |
| 5 | Water Quality Analysis Report, if appropriate | N/A | | |
| 6 | Decision of Planning Authority under the Planning Acts, if required | N/A | | |
| 7 | Copy of Licence under Section 4 of the Local Government (Water Pollution) Act, 1977 – Effluent Discharge, if required | N/A | | |
| 8 | If the applicant is a limited Company within the meaning of the Companies Act 1963, as amended, a copy of the Certificate of Incorporation and Memorandum and Articles of Association. | ✓ | | |
| 9 | If the applicant is a Co-operative, a copy of the Certificate of Incorporation and Rules of the Co-operative Society | N/A | | |
| 10 | Integrated Pest Management Plan, if required | N/A | | |
| 11 | Alien Species documentation, if required. | N/A | | |

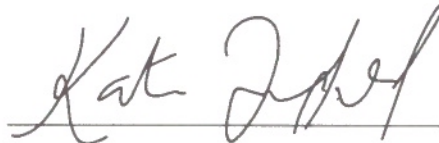
PART 5: DECLARATION AND SIGNING

NB: Refer to Guidance Note Section 3.5 and Section 4 - Guidance on Declaration and Signing and Annual Aquaculture and Foreshore Licence Fees

If this is a renewal/review have you met all licence conditions of the existing aquaculture licence? If applicable, explain why you have not complied with all conditions:

I/We hereby declare the information provided in Parts 1, 2, 3 and 4 above to be true to the best of my/our knowledge and that I am over 18 years of age. I/We enclose an application fee* of €95.23 with this application.

Signature(s) of Applicant(s):
(Please state capacity of persons signing on behalf of a Company/Co-op)



Kate Dempsey (Director)
Irish Mussel Seed Company Limited

Date: 7/08/2019

**NB All persons named on this licence application must sign and date this application form.
Only the existing licence holder(s) can apply for the renewal/review of an Aquaculture Licence.**

*Preferred method of payment is by cheque or bank draft. The fee should be made payable to the Department of Agriculture, Food and the Marine.

Refer to Guidance Note Section 4 - Guidance on Aquaculture and Foreshore Licence Fees

The application form should be forwarded, with the required documents and application fee, to:

**Aquaculture Licensing
Aquaculture & Foreshore Management Division
Department of Agriculture, Food and the Marine
National Seafood Centre
Clonakilty
Co. Cork
P85 TX47**



Irish_Mussel_Seed_Co_Site_3 _Application_Access_Map_1in12500



Ard na Molt

T04/155.

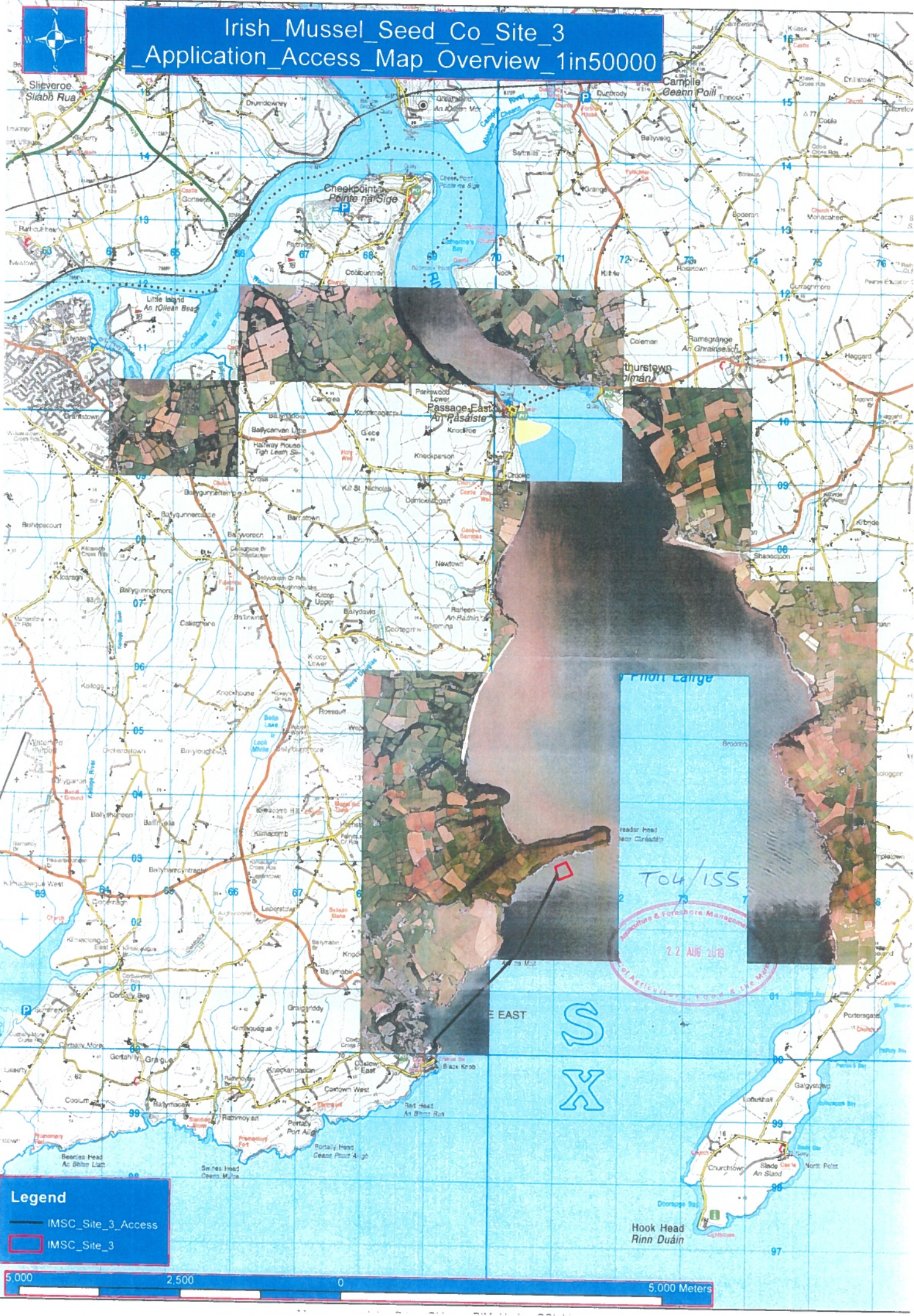


E EAST

Legend

- IMSC_Site_3_Access
- IMSC_Site_3

Irish Mussel Seed Co Site 3 Application Access Map Overview 1in50000



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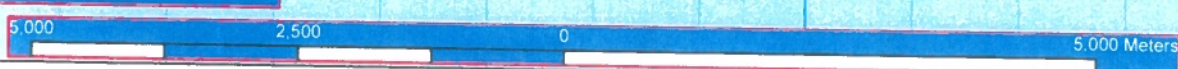
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2.2 AUG 2019

Department of Agriculture, Food & the Marine

Legend

- IMSC_Site_3_Access
- IMSC_Site_3



1 NO. SITE AT WATERFORD ESTUARY CO.WATERFORD

Co-ordinates & Area

Site T04/155A (4.4963 Ha)

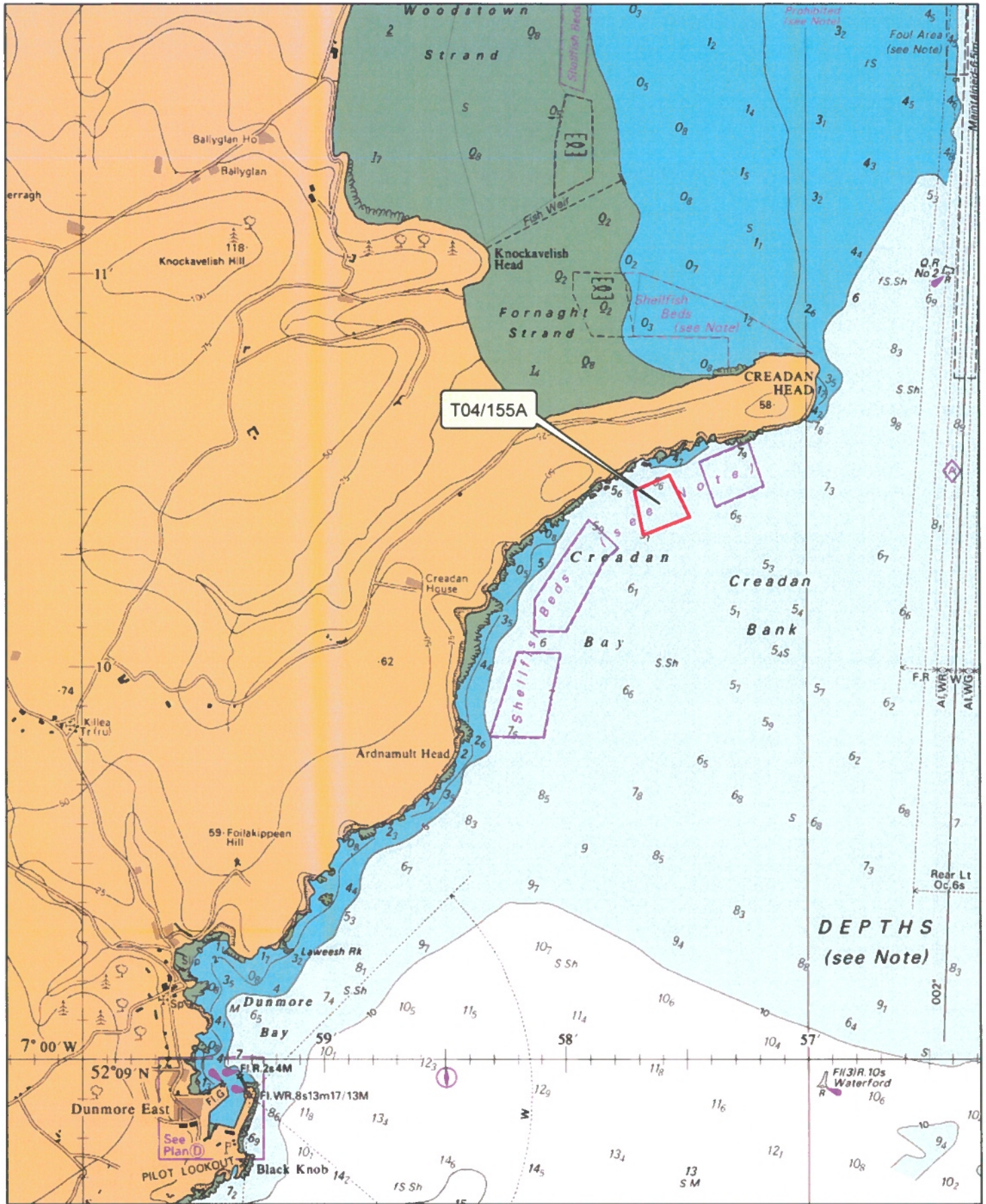
The area seaward of the high water mark and enclosed by a line drawn from Irish National Grid Reference point

271180, 103045 to Irish National Grid Reference point

271280, 102850 to Irish National Grid Reference point

271060, 102760 to Irish National Grid Reference point

271015, 102970 to the first mentioned point.



T04/155A

1:24,000

Aqua Culture Sites
 <all other values>
Site_Status
 [Red Outline] Application
 [Purple Outline] Licensed

Sites highlighted in red denotes Application
 Part of Admiralty Chart No =2046-0
 Not to be used for Navigation



**An Roinn Talmhaíochta,
 Bia agus Mara**
 Department of Agriculture,
 Food and the Marine

270000

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103000

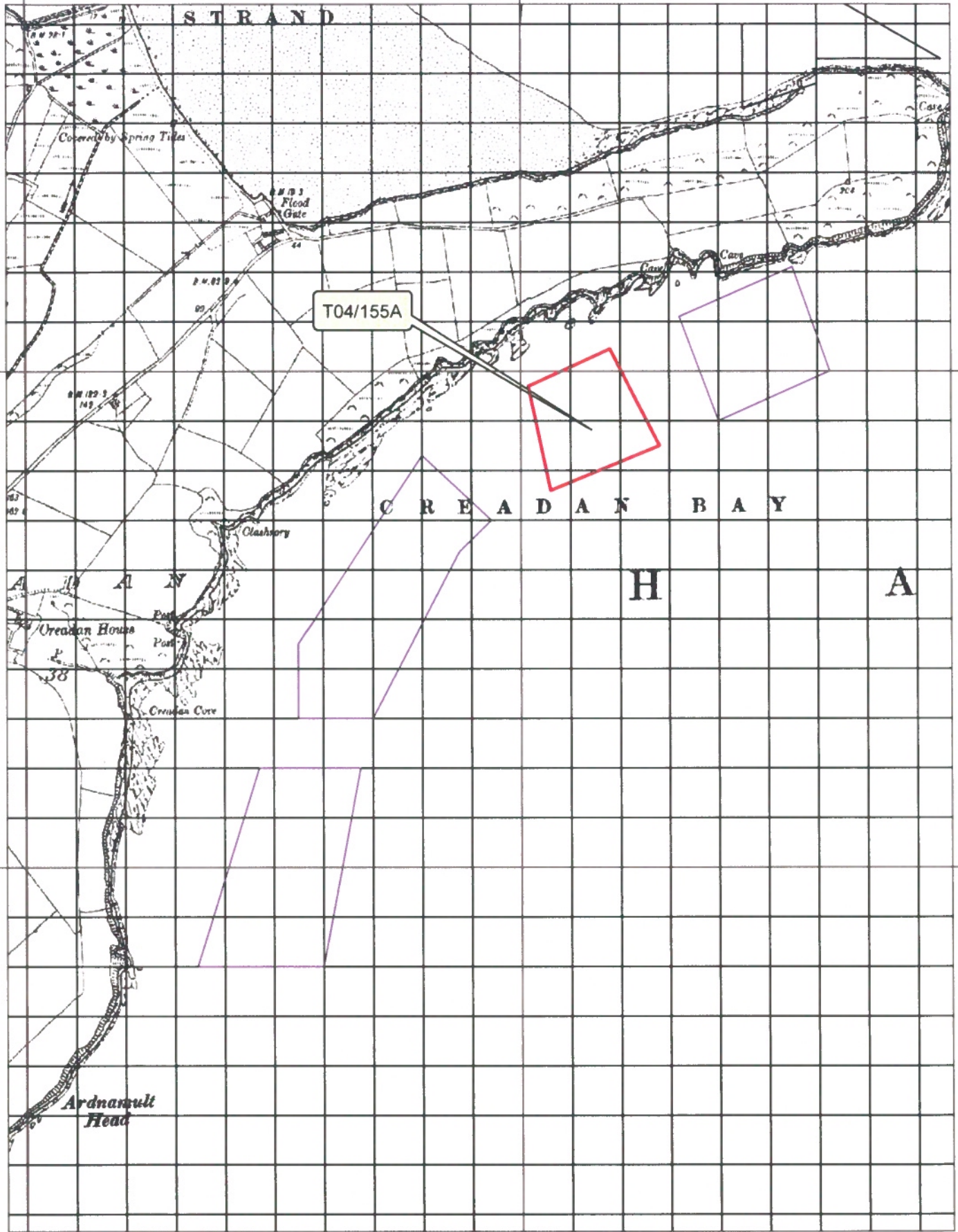
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1:10,560

- Aqua Culture Sites**
 <all other values>
- Site_Status**
- Application
 - Licensed
 - 100 Meter Reference Grid

Sites highlighted in red denotes Application

Ordnance Survey Ireland Licence No. EN 0076419
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 Bia agus Mara**
 Department of Agriculture,
 Food and the Marine