

**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. TS/196A

Date of Receipt (Dept. Stamp):

11 JUN 2015

Type of Applicant (tick one)

Sole Trader

Partnership

Company

Co-Operative

Other Please specify-

PART 1: PRELIMINARY DETAILS

Applicant's Name(s)

1. Dunmanus Bay Mussels Ltd.

Address:

**Dromduff West,
Bantry,
Co. Cork.**

2.

Address:

3.

Address:

4.

Address:

PART 1: PRELIMINARY DETAILS

Contact in case of enquiries (if different from above)	
Contact Name	Shane McCarthy
Organisation Name (if applicable)	Cronin Millar Consulting Engineers
Address	3 Westbourne Place, Cobh, Co. Cork.

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 type="checkbox"/> |
| (ii) Trial Licence | <input type="checkbox"/> |
| (iii) Foreshore Licence, if Marine Based | <input type="checkbox"/> |
| (iv) Review of Aquaculture Licence | <input type="checkbox"/> |
| (v) Renewal of Aquaculture Licence | <input checked="" 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: **Dunmanus**
- (ii) County: **Cork**
- (iii) OS Map No: **CK 130-05, CK 130-07, CK 130-08, CK 130-09, CK 130-11, CK 130-12**
- (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.]
See enclosed drawings
- (v) Size of Site (hectares): **1.85Ha**

(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.

Seeds will be collected via natural spat fall collection. Reusable Spanish spat collector rope will be suspended in late January and early February. This rope is reusable with a circa 25 year lifespan.

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)

Ropes (intensive)

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

4No. Longlines

(xi) Proposed Production Tonnage:

Year 1	70	Year 2	70	Year 3	70	Year 4	70	Year 5	70
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(xii) (a) Please outline the reasons for site selection:

Existing Site T05/196A

(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
Human Consumption

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

Existing Site

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

Yes

☒

No

☐

If yes give details.

Dunmanus Bay CK-DB-BB M.Edulis

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

(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?

Yes, Mussels, B (Classified Bivalve Mollusc Production Area in Ireland)

(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)

No

(xviii) Are there known sources of pollution in the vicinity e.g. sewage outfall?

Yes / No

If yes please give full details.

No

(xix) Methods used to harvest the shellfish and details of any subsequent processing of shellfish
When the mussels have grown to market size, the rope is hauled into the harvesting vessel and mussels are removed from the rope and the rope is washed and stored for reuse. The mussels are washed and graded and bagged into 1 tonne bags. The bags are then placed onto pallets for onward transportation. The New Zealand rope also has a lifespan of circa 25 years.

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

N/A

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

Asterias Vulgaris (sea stars), Nucella lapillus (dog whelk), jellyfish, fish larvae.

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

Active monitoring, bottom of roes (droppers) will be an adequate distance from the sea bed

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:

**Dunmanus Bay Mussels have been in operation for 11 years.
 Applicants operate similar sites in Inner Dunmanus Bay and Bantry Bay.
 Directors have over 20 years' experience operating in aquaculture development and management. The applicants already operate this site**

- (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:

Employment levels vary / will vary during the operational phase. Greatest employment will be created during thinning and harvesting phases.

FULLTIME JOBS

Year 1:	1	Year 2:	1	Year 3:	1	Year 4:	1
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PART TIME JOBS

Year 1:	2	Year 2:	2	Year 3:	2	Year 4:	2
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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:


Yes

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. I enclose an application fee* of **€63.49** with this application.

Signature(s) of Applicant(s):

(Please state capacity of persons

signing on behalf of a Company/Co-op)


Director

**Brian Murnane,
Director, Dunmanus Bay Mussels Ltd.**

Date: **14th May 2015**

NB All persons named on this licence application must sign and date this application form.

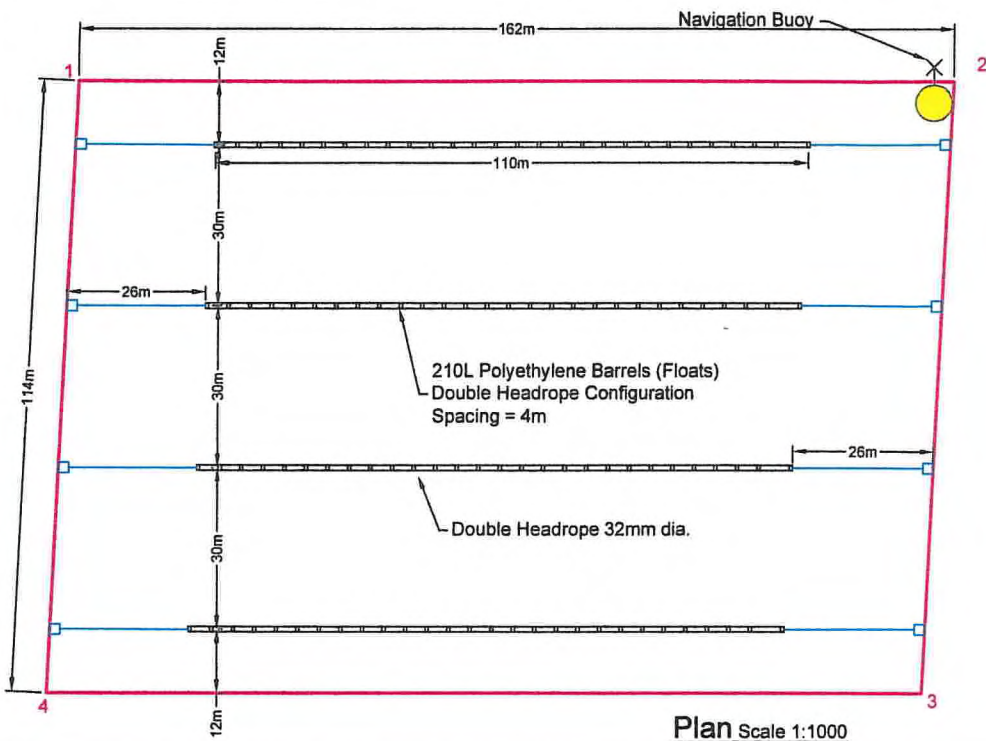
Only the existing licence holder(s) can apply for the renewal/review of an Aquaculture Licence.

*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.

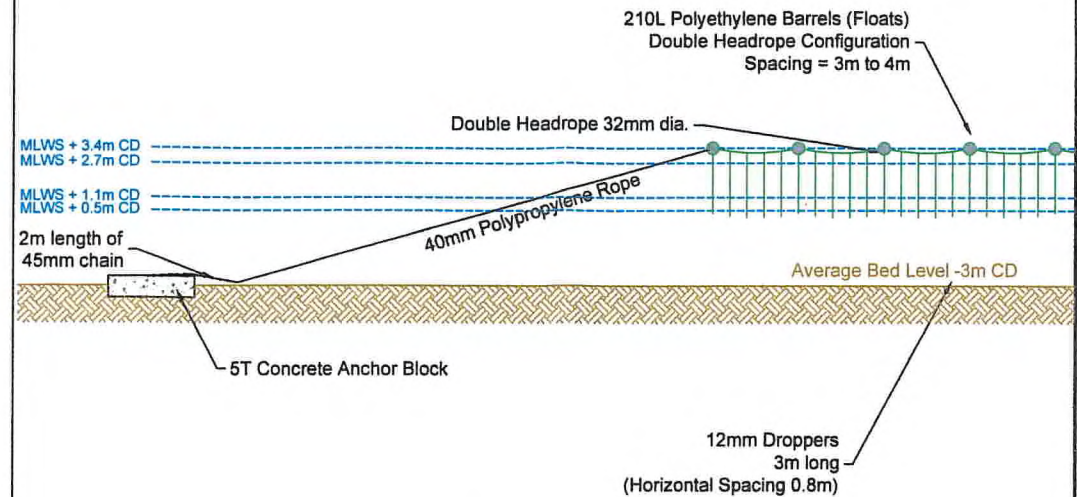
Refer to Guidance Note Section 4 - Guidance on Aquaculture and Foreshore Licence Fees

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**

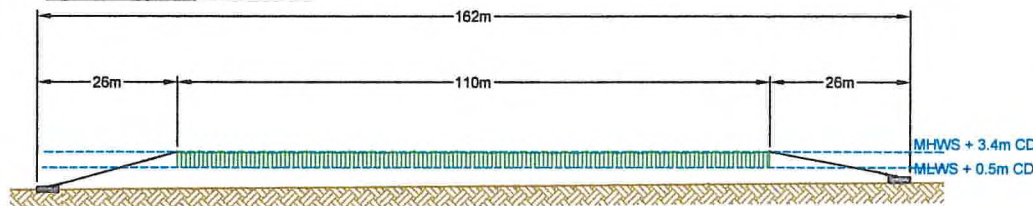


Plan Scale 1:1000



Elevation of Mussel Lines Scale 1:250

Section AA Scale 1:1000



Navigation Buoy Specification

Special Navigation "St Andrews Cross"
JFC Regular Navigation Buoy (NAV01)
Colour: Yellow
Top Mark: Radar Reflective c/w flashing light
Light Range: 2 Nautical Miles
Anchoring as per Longline System

Barrel Specification

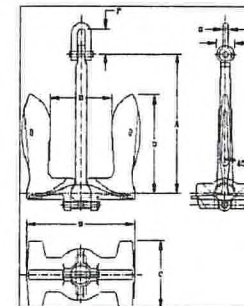
GEM Plastics Mussel Float

Length = 966mm
Dia. = 581mm
Weight = 10kg
Capacity = 210L

Material = High density polyethylene
Colour = Grey (ref. 17736)
Double Rope Attachment Points



Navigation Buoy Detail NTS



Typical Anchor Detail NTS



Barrell Detail NTS

Cronin Millar Consulting Engineers
Civil Marine Structural Environmental

3 Westbourne Place
Cobh
Co. Cork

Ph: 021 4815441
email: cork@cmce.ie
website: www.cmce.ie

This drawing to be read in conjunction with all other CMCE drawings and any other relevant information.

No dimensions are to be scaled from this drawing.

Unless noted otherwise, all dimensions are in millimeters and all levels are in meters from the noted datum.

Copyright reserved.

A	Renewal of Aquaculture Licence	13/05/15	SMC	AC	
Rev:	Description:	Date:	Drawn:	Checked:	

Client:

Dunmanus Bay Mussels Ltd.

Project:

Renewal of Aquaculture Licence
T05/196A

Title:

Layout Plan, Sections and Details

Scale:

Varies

Sheet Size:

A3

Date:

13/05/2015

Drawn By:

SMC

Checked By:

AC

Drawing No:

C601/196A/RA/3

Revision:

A

92000

93000

94000

42000

42000

41000

41000

40000

40000

39000

39000

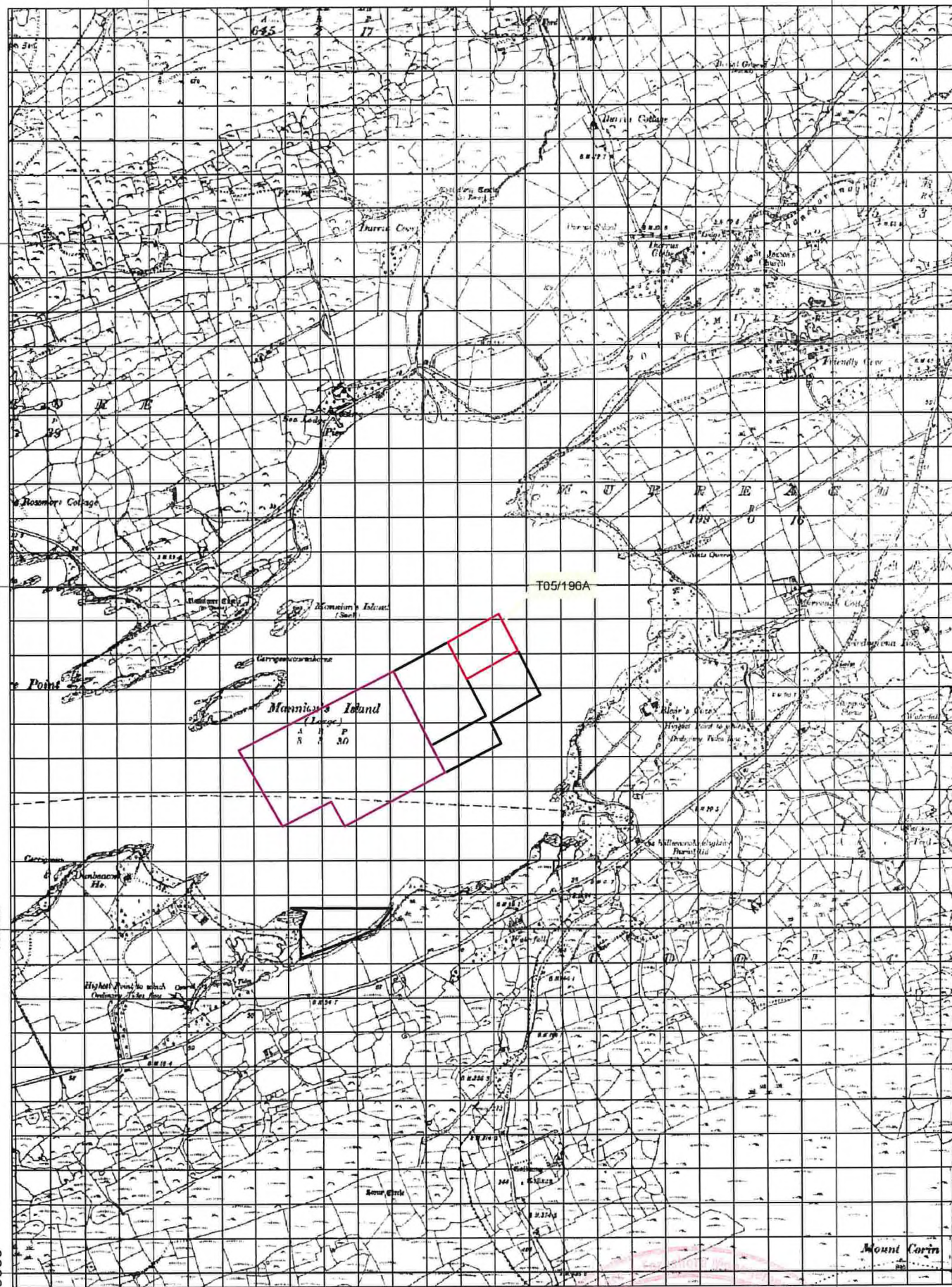
Aqua Culture Sites
 Site_Status
 Application
 Lapsed
 Licensed
 Refused
 Renewal
 Revoked
 Surrendered
 Withdrawn
 100 Meter Reference Grid

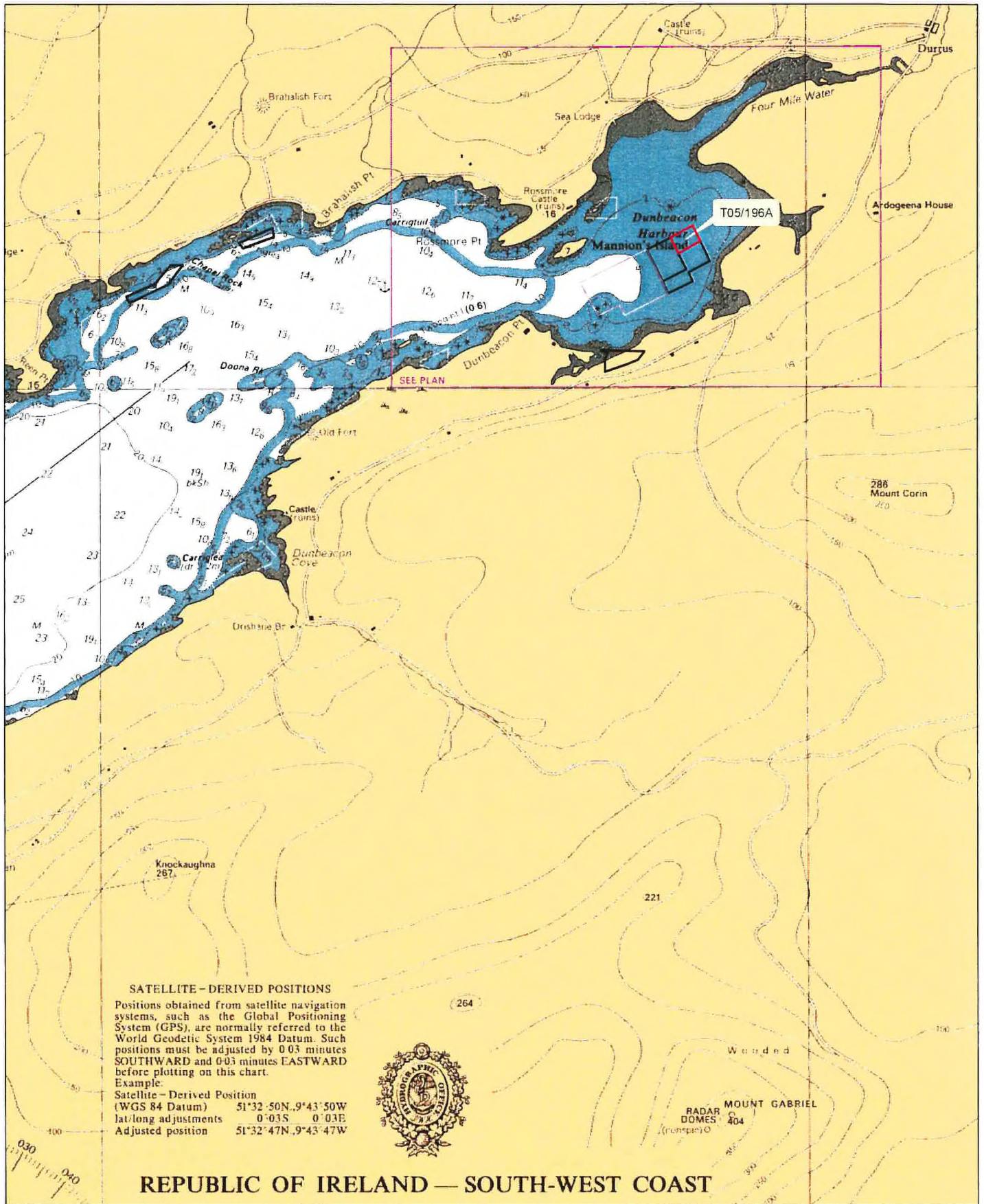
1:10,560

Sites highlighted in red denotes Application

Ordnance Survey Ireland Licence No. EN 0076413
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Department of
**Agriculture,
 Food and the Marine**
 An Roinn
**Talmhaíochta,
 Bia agus Mara**





Aqua Culture Sites
 <all other values>

Site_Status

- Application
- Lapsed
- Licensed
- Refused
- Renewal
- Revoked
- Surrendered
- Withdrawn

1:24,000

Sites highlighted in red denotes Application

Part of Admiralty Chart No 2552-0
 Not to be used for Navigation

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

8 JUL 2015

Dept. of Agriculture, Food & the Marine

1 NO. SITE AT DUNMANUS BAY CO.CORK

Co-ordinates & Area

Site T05/196A (2.0723 Ha)

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

092870, 040835 to Irish National Grid Reference point
093020, 040917 to Irish National Grid Reference point
093075, 040810 to Irish National Grid Reference point
092925, 40727 to first mentioned point.

