

**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.

T5/196.B

Date of Receipt (Dept. Stamp):



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:

Contact in case of enquiries (if different from above)	
Contact Name	Shane McCarthy
Organisation Name (if applicable)	Cronin Millar Consulting Engineers (Agent)
Address	Ivy Fort House, 5 Cathedral Place, Cobh, Co. Cork

PART 1: PRELIMINARY DETAILS

TYPE OF APPLICATION – please indicate relevant type of application	
This Application Form is valid for each type of application - <i>See Guidance Note 3.1</i>	
(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 checked="" 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

☐

Go to Parts 2.1 and 2.1A

Shellfish *Subtidal*

☒

Go to Parts 2.2 and 2.2A

Intertidal

☐

Go to Parts 2.2 and 2.2A

Seaweed/Aquatic Plants/Aquatic Fish Food

☒

Go to Parts 2.3 and 2.3A

(ii) LAND-BASED

Finfish

☐

Shellfish

☐

Go to Parts 2.4 and 2.4A

Aquatic Plants

☐

Aquatic Fish Food

☐

Go to Parts 2.4 and 2.4A

(iii) TRIAL LICENCE

☐

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.]
- | | | |
|----|-----------|----------|
| 1: | E:92,860; | N:40,455 |
| 2: | E:92,565; | N:40,300 |
| 3: | E:92,526; | N:40,370 |
| 4: | E:92,384; | N:40,300 |
| 5: | E:92,257; | N:40,520 |
| 6: | E:92,710; | N:40,750 |
- (v) Size of Site (hectares): **15 Ha.**

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

Mussels (Mytilus Edulis), Sea Urchin (Paracentrotus Lividus)

(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.

Mussels: Natural Spat Collection

Sea Urchin: Dunmanus Seafoods sea urchin hatchery.

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)

Longline Ropes - intensive

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

Mussels (existing): 23

Urchin (proposed): 5 (in bins)

(xi) Proposed Production Tonnage:

Year 1		Year 2	
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The potential yields from the various species will be investigated. A report regarding the yields will be forward to the Aquaculture and Foreshore Licensing Division when required.

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

The site is currently in operation by the applicant.

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

(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?

The site is already operational. The lines and flotation devices are currently maintained in an orderly fashion and the applicant will upkeep this maintenance, thus reducing the visual impact.

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

Yes ☒ No ☐

If yes give details.

Dunmanus Inner

~~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, Class A for sea urchins and Class B for mussels.

(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)

Adjacent to Dunbeacon Shingle SAC.

(xviii) Are there known sources of pollution in the vicinity e.g. sewage outfall? Yes / No

If yes please give full details.

Durru Waste Water Treatment System

(xix) Methods used to harvest the shellfish and details of any subsequent processing of shellfish
Barge with conveyor belts, grader and bagger. Mussels and sea urchin will be sold fresh to some markets and processed, cooked and packed for other markets.

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

None

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

Mussels: Jellyfish, seagulls.

Sea Urchin: Spiny starfish

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

None

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

2.3 MARINE-BASED SEAWEED/AQUATIC PLANTS/AQUATIC FISH FOOD AQUACULTURE

When filling out this section refer also to 2.3A 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.]

1:	E:92,860;	N:40,455
2:	E:92,565;	N:40,300
3:	E:92,526;	N:40,370
4:	E:92,384;	N:40,300
5:	E:92,257;	N:40,520
6:	E:92,710;	N:40,750

- (v) Size of Site (hectares): **15 Ha.**

- (vi) Species (common and scientific name):

Seaweed (Laminaria Saccharina, Alaria, Laminara Digitata, Palmaria Palmata),

- (vii) What is the source of plantlet? **Sourced from a disease free Irish hatchery (co be confirmed before sourcing).**

- (viii) Cultivation Method? **Longlines**

- (ix) Proposed total number of lines/ropes **2**

- (x) Proposed Production:

Year 1		Year 2		Year
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The potential yields from the various species will be investigated. A report regarding the yields will be forward to the Aquaculture and Foreshore Licensing Division when required.

- (xi) Reasons for site selection:

The site is currently in operation by the applicant.

- (xii) Provide detailed information on the techniques for cultivation in use or to be used. Are these techniques currently in use in the industry or are they new? Please give details;

Longlines – there are a number of trial sites in Ireland.

- (xiii) Methods used for harvesting. **Barge with conveyor belts.**

(xiv) Has the site sufficient space for the site structures including mooring blocks?

Yes

Please provide separately detailed drawings of both over and under water structures including moorings.
(See Guidance Note on Site Structures 3.3.2)

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

The site is already operational (T5/196). The lines and floatation devices are currently maintained in an orderly fashion and the applicant will upkeep this maintenance, thus reducing the visual impact.

(xvi) Is the site located in 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)

If Yes give details

Adjacent to Dunbeacon Shingle SAC.

See Part 2.3A for details of documentation to be included with this application type

2.3A DOCUMENTATION REQUIRED FOR MARINE-BASED SEAWEED/AQUATIC PLANTS/AQUATIC FISH FOOD AQUACULTURE

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

- 1. 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 on Site Structures)
- 2. 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, (e.g. pier or slipway) must also be shown on the map.
- 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**

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 9 years. Directors have over 20 years' experience each in aquaculture, including at 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:

Support existing jobs (1.5 x full time equivalent).

FULLTIME JOBS

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

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

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/We 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)

Brian Murnane DIRECTOR
Julie Murnane DIRECTOR

Date: 29/06/2013

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

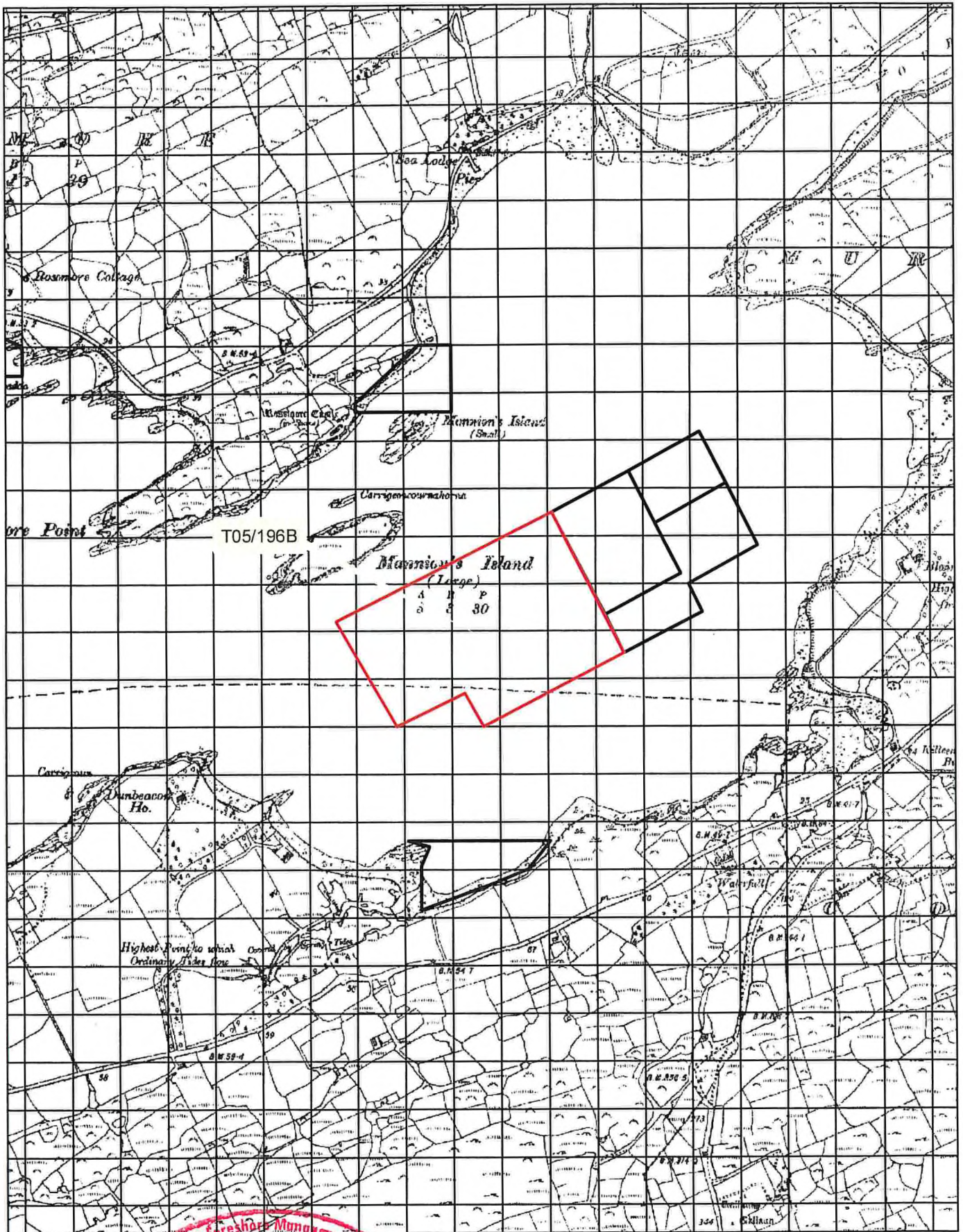
Only the existing licence holder(s) can apply for the renewal/review of an Aquaculture Licence.

*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**



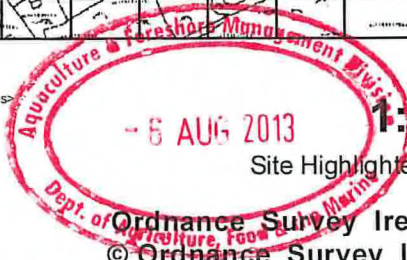
Aqua Culture Sites

<all other values>

Site_Status

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

100 Meter Reference Grid



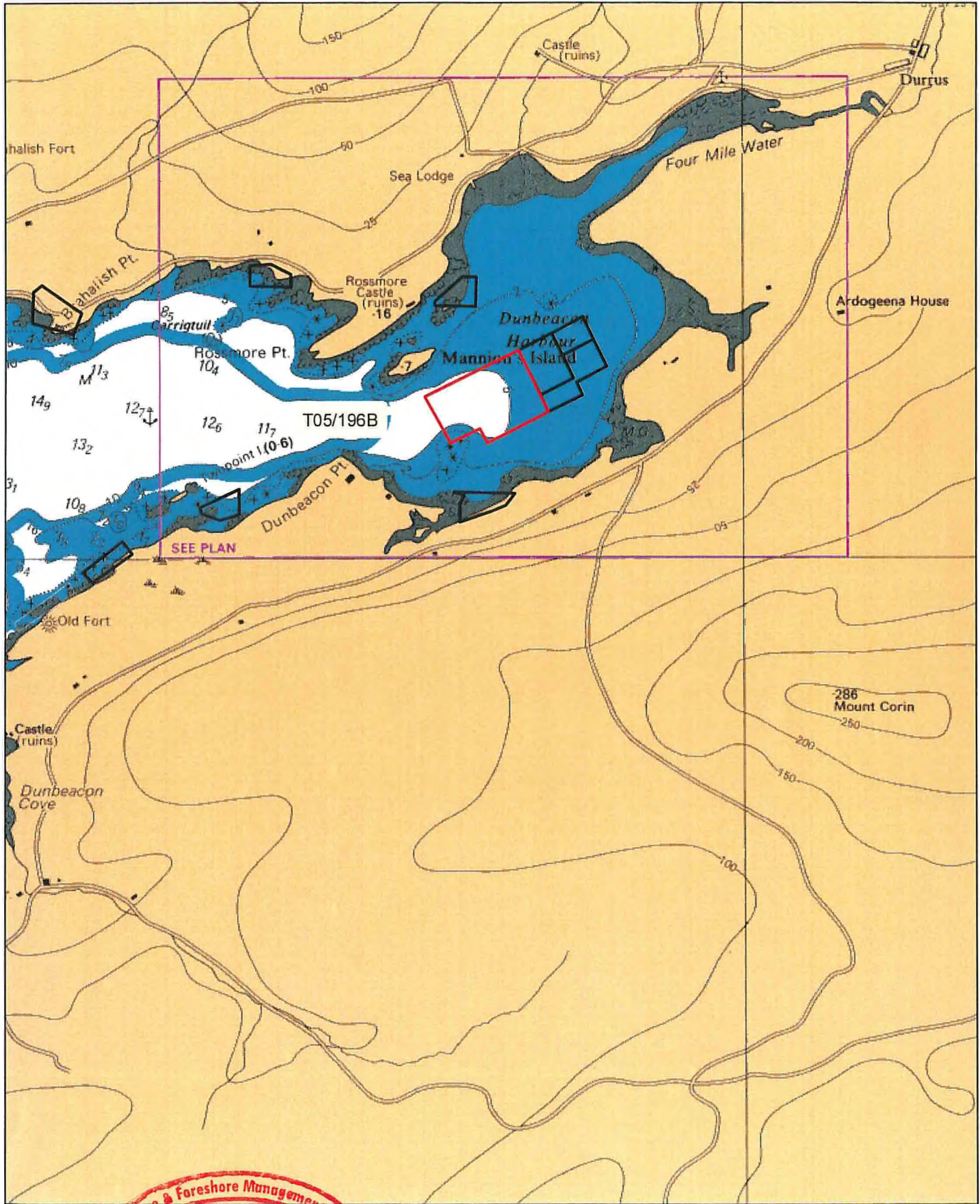
1:10,560

Site Highlighted in red denotes Application

Ordnance Survey Ireland Licence No. EN 0076413
© Ordnance Survey Ireland/Government of Ireland



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

Department of Agriculture, Food and the Marine
 - 6 AUG 2013
 Dept. of Agriculture, Food & the Marine

1:24,000

Site 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

1 NO. SITE AT DUNMANUS BAY CO.CORK

Co-ordinates & Area

Site T05/196B (15 Ha)

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

092860, 040455 to Irish National Grid Reference point
092565, 040300 to Irish National Grid Reference point
092526, 040370 to Irish National Grid Reference point
092384, 040300 to Irish National Grid Reference point
092257, 040520 to Irish National Grid Reference point
092710, 040750 to the first mentioned point.



This drawing is 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.

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Navigation Buoy Detail NTS

Barrell Detail NTG

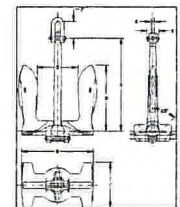
Navigation Buoy Specification

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 = 900mm
Dia. = 581mm
Weight = 10kg
Capacity = 210L

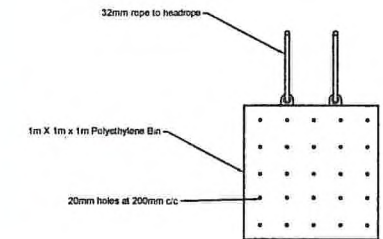
Material = High density polyethylene
Colour = Gray (ref. 17736)
Double Rope Attachment Points



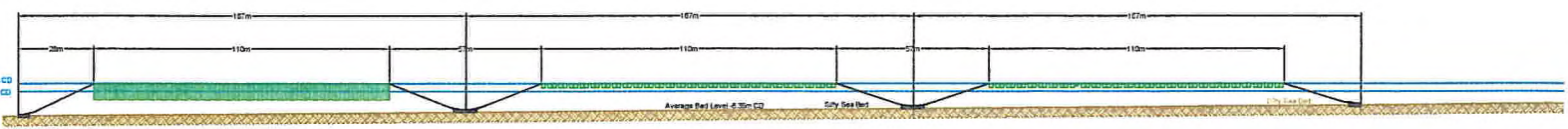
Typical Anchor Detail NTS



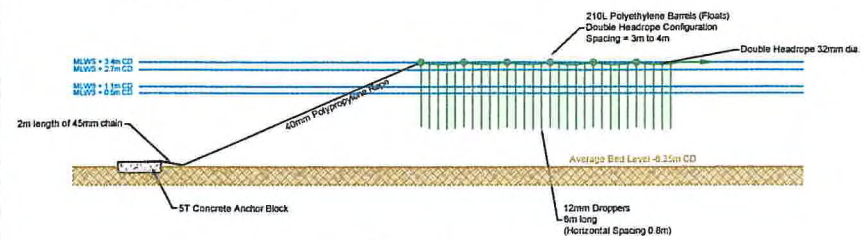
Plan Scale 1:1000



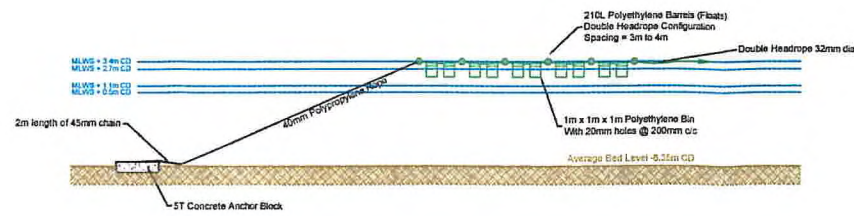
Urchin Bin Detail NTD



Section AA Scale 1:1000



Elevation of Seaweed Line/
Existing Mussel Lines Scale 1:250



Elevation of Sea Urchin Lines Scale 1:250

B	Ablation Excluded			11/07/12	SMC				A
A	Review of Aquaculture Licence			15/06/12	SMC				A
Rev.	Description			Date	Drawn				Che
Cronin Millar Consulting Engineers									
Civil		Marine		Structural		Environmental			
<div>The Mess Gorgefields Rd. Cash Co. Cork</div>						<div>P.O. 927 491, email: cork@cm.ie tel: 0474 927 491</div>			
Client: Dunmanus Bay Mussels Ltd.									
Project: Review of Aquaculture Licence									
Title: Layout Plan, Sections & Details									
Scale:		Sheet Size:		Date:					
Varies		A1		11/07/2012					
Drawn By:	SMC	Checked By:	AC	Drawing No:	C601/RA/3	Revise B			