

T05/623A application – Mr Dan O'Shea

Additional information hereunder to be read in tandem with the application form.

From: dan o shea <danosheamussel1@gmail.com>

Sent: 02 November 2021 16:19

To: Coakley, John <John.Coakley@agriculture.gov.ie>

Subject: Re: FW: Aquaculture and Foreshore Licence Applications T05/622, T05/623, T05/624, T05/625

hello john

regarding Tina s questions from sfpa

1

i have made a mistake on page 7 , it should be intertidal instead of subtidal

sorry

2

also question 2.. i made a mistake. page 8 should have been hand harvesting instead of bottom extensive.

sorry

3

there is no one growing winkles in the state or in europe .

I am hoping to be the first to successfully grow periwinkles in Ireland .

there are millions of winkle spat fall / seed/ every year, on exposed shores 90 % die due to waves crushing them after storms,

my plan.. if i could save even 1% of seed that are killed from wave action that crushes the seed, by hand picking the seed and relaying in sheltered areas to grow to full size,, the seed is only 2 or 3 mm in sizes .

I am not looking for an exclusive right to natural stocks. i looking for a licence to grow winkles

if the sfpa need more information please contact me again

regards

Dan o shea

Dear Deirdre,

In response to your request for clarifications please find responses in red.

How will wild picking and on-growing be organised at each site? Are some sites for picking of wild periwinkles and others for on-growing?

All sites are for on-growing and juvenile periwinkle seed production.

Are there going to be movements of wild periwinkles between proposed sites or other sites?

There will be no movements between sites.

Can details be provided on timelines relating to the growth cycle, life history stages and associated picking of wild periwinkle, subsequent on-growing and harvesting? Specifically:

Is the proposed picking of wild periwinkle a year round activity, or seasonal activity, or carried out according to some other timeline?

Juvenile periwinkles 2mm – 10mm will be collected from exposed local shores March to September, for the first year. to restock the site.

Due to excessive harvesting periwinkle numbers on shore are low, hence the need to restock initially. After two years of on-growing it is proposed that the site will be self-sustaining in terms of juveniles, once an adult breeding population is maintained.

Periwinkles spawn from December to February, with juveniles from 2mm – 5mm appearing on shore from February to June. In the first year they grow to 10mm. In the second year they grow to 12mm and some of the cohort begin to spawn. In the third year they grow to 15mm, with increased spawning within the population. In the fourth year they grow to >18mm and are then harvested, leaving behind the smaller periwinkles to spawn and restock the site.

Is the proposed harvesting of on-grown wild periwinkle a year round activity, or seasonal activity, or carried out according to some other timeline?

Periwinkles will be harvested at the end of each year, servicing the lucrative French Christmas market.

What will the lowest size limit be for on-grown wild periwinkles when harvested?

Periwinkles will be harvested at >18mm.

How many wild periwinkles (number/ weight/ density) are to be harvested per year for on-growing?

50kg to 100kg will be harvested for each site of 2mm – 10mm juveniles, but only for the first year. After the initial re-stock the site will be self-sustaining.

Where will these individuals be harvested from?

From exposed local rocky outcrops, only accessible by boat. These areas are heavily affected by storms, washing off and often crushing any juvenile seed.

Does the operator propose to use structures or some sort of containment system at the sites?

No structures or containment systems will be used. The sites selected are natural coves that provide shelter and a form of natural containment by their topography, suitable for supporting a self-sustaining managed periwinkle population.

Is there any planned supplemental feeding? If so, what sort of feed will be used and where is it sourced?

No, food for the periwinkles is in plentiful supply, both growing on site and washed in after storms.

Each of the sites have a thriving algal resource, of fast growing red and green seaweeds along with smaller microalgae to feed a managed population of periwinkles. In addition, storm cast brown seaweeds which are funnelled into the sites, these natural enclosures, are consumed by the periwinkles as the brown seaweed decomposes.

Yours,

Daniel O'Shea

(2)

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.

T05/623.

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. Dan O'Shea

Address:

Bawn, Adrigole, Beara, Co.
Cork

2.

Address:

3.

Address:

4.

Address:

Contact in case of enquiries (if different from above)	
Contact Name	
Organisation Name (if applicable)	
Address	

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 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 type="checkbox"/> | Go to Parts 2.2 and 2.2A |
| <i>Intertidal</i> | <input checked="" 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: **Bantry Bay** _____
- (ii) County: **Cork** _____
- (iii) OS Map No: **_84** _____
- (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 DOS 2

Hectares 3.8

Easting Northing

82181	48664
82281	48699
82305	48614
82450	48681
82594	48530
82498	48470
82459	48491
82503	48551
82441	48613
82312	48561
82227	48571
82181	48664

(v)

(vi) Size of Site (hectares): **_3.8** _____

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

Common Periwinkle (*Littorina littorea*)

(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. _____

Natural collection by hand _____

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 - extensive _____

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

_____ **None** _____

(xi) Proposed Production Tonnage:

Year 1	0	Year 2	0	Year 3	4	Year 4	4	Year 5	4
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(xii) (a) Please outline the reasons for site selection:

_____ **Sheltered site** _____

(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

_____ **Direct Human Consumption** _____

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

_____ **There are no structures** _____

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

Yes ☒ No ☐

If yes give details.

_____ **There is a mussel farm in the area** _____

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, B** _____

(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.

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

_____ **Hand harvesting** _____

(xx) Describe any proposed purification facilities to be used:
_____ **None** _____

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

_____ **Green crab** _____

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

**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:

I have been picking periwinkles and farming mussels for over 25 years

(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:

FULLTIME JOBS

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

PART TIME JOBS

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

CONFIDENTIAL

PART 3: APPLICANT DETAILS

PART 3 A. INDIVIDUAL(S)/SOLE TRADER(S)

(If necessary continue with extra page(s))

1. Name: Dan O'Shea



Personal Public Service No. _____

Date of Birth: _____

Telephone No. _____

Mobile No. _____

E-mail Address _____

3. Name: _____

Personal Public Service No. _____

Date of Birth: _____

Telephone No. _____

Mobile No. _____

E-mail Address _____

4. Name: _____

Personal Public Service No. _____

Date of Birth: _____

Telephone No. _____

Mobile No. _____

E-mail Address _____

	Total:

9. Provide an estimate of the value of production over the first (next if renewal) four years based on projected annual

12. If this application relates to a new site, please set out below the projected production plan to full production by quantities on an annual basis showing stock inputs, growth and harvest production

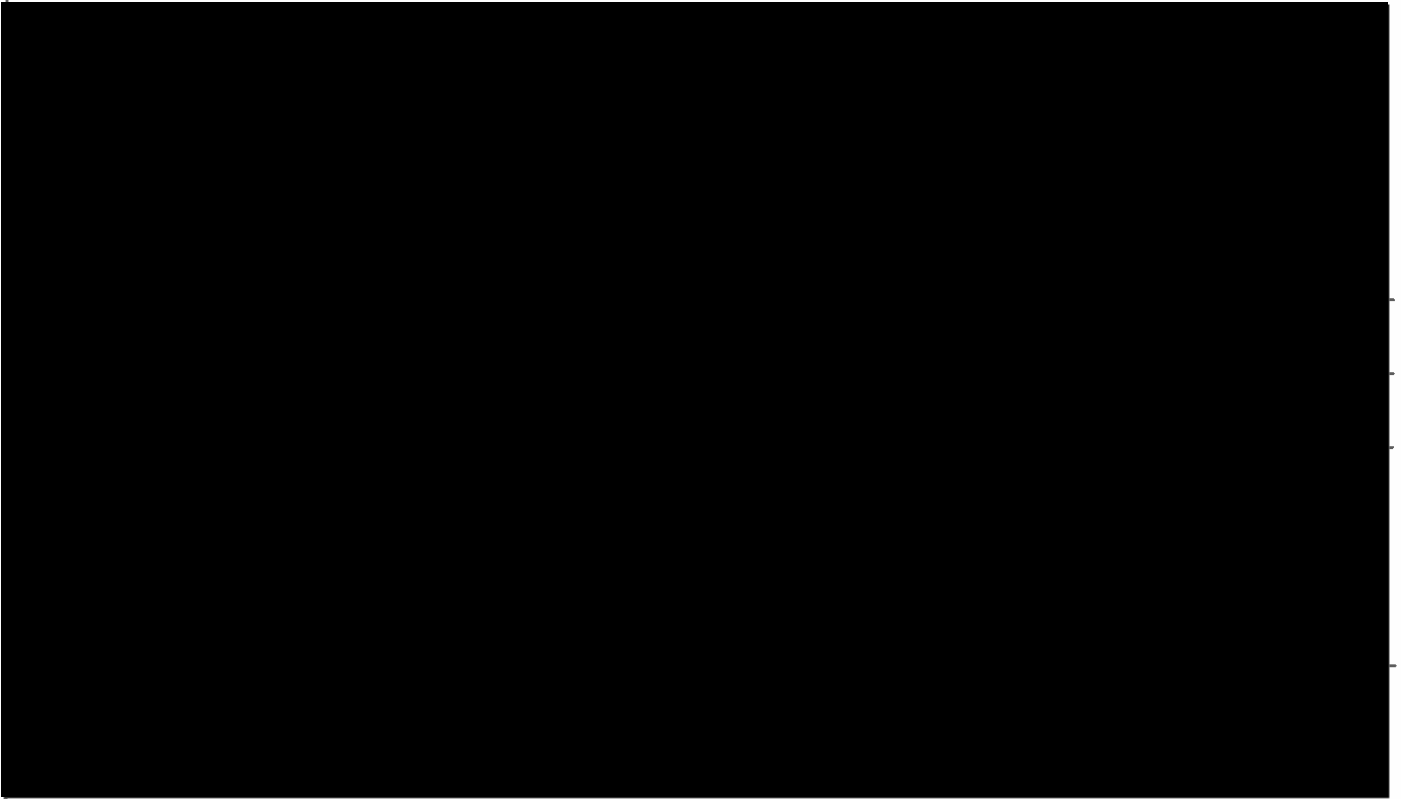
13. If this application relates to an existing site, please set out below the production by quantities on an

annual basis for the last 4 years showing stock inputs, growth, survival rates and harvest production

CONFIDENTIAL

PART 4 B. MARKETING

- 1.
- 2.



PART 5: APPLICATION DOCUMENTATION

The following documents are enclosed with this application:

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 € 96.23 with this application.

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

Dun O Sheep

Date: 17-5-21

**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**

1 NO. SITE AT BANTRY BAY CO.CORK

Co-ordinates & Area

Site T05/623A (3.29 Ha)

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

082181, 048664 to Irish National Grid Reference point
082281, 048699 to Irish National Grid Reference point
082305, 048614 to Irish National Grid Reference point
082450, 048681 to Irish National Grid Reference point
082594, 048530 to Irish National Grid Reference point
082498, 048470 to Irish National Grid Reference point
082459, 048491 to Irish National Grid Reference point
082503, 048551 to Irish National Grid Reference point
082441, 048613 to Irish National Grid Reference point
082312, 048561 to Irish National Grid Reference point
082227, 048571 to the first mentioned point.

82000

83000

49000

49000

48000

48000

82000

83000

Site_Status

- Application
- Licensed
- 100mgrid

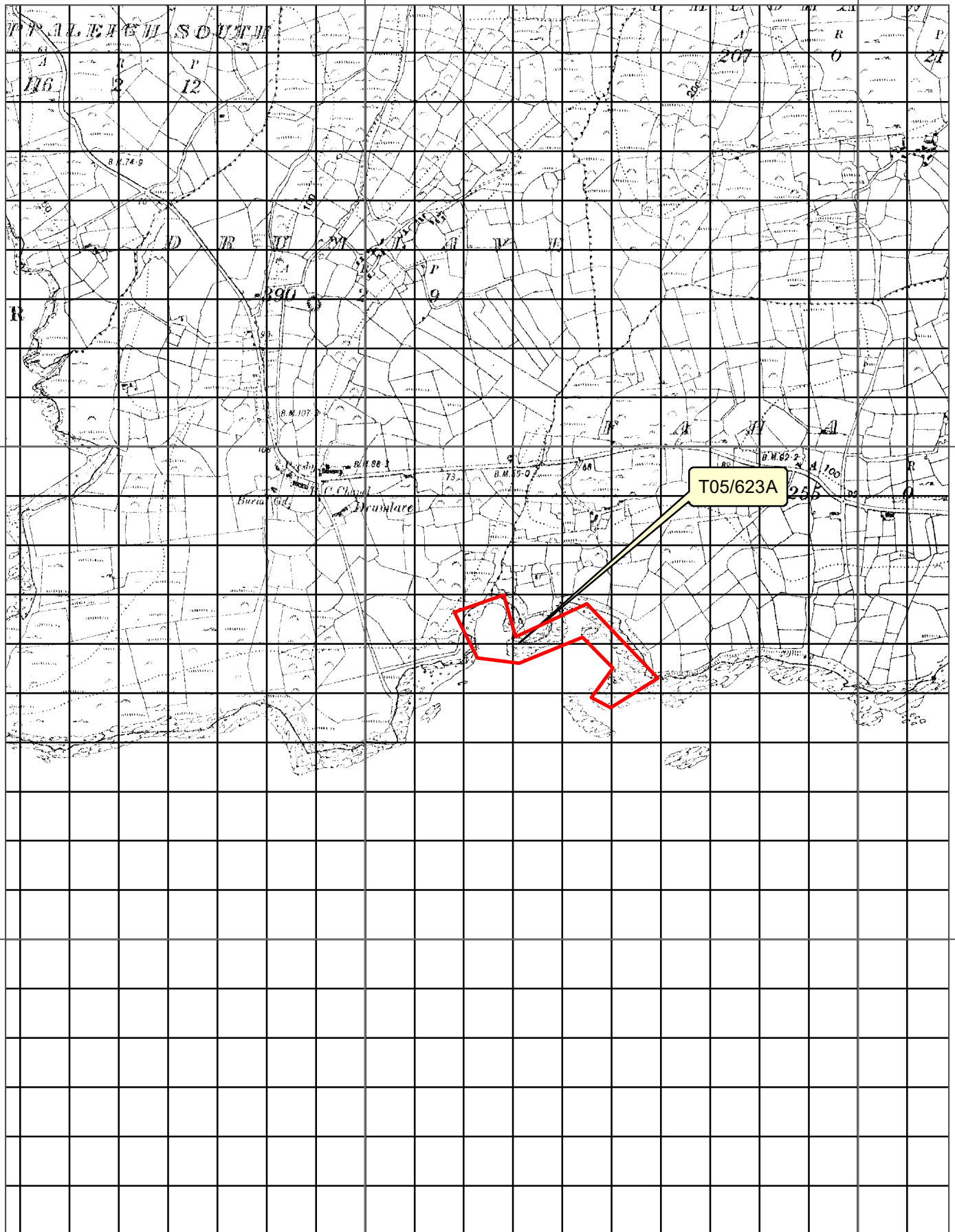
1:10,560

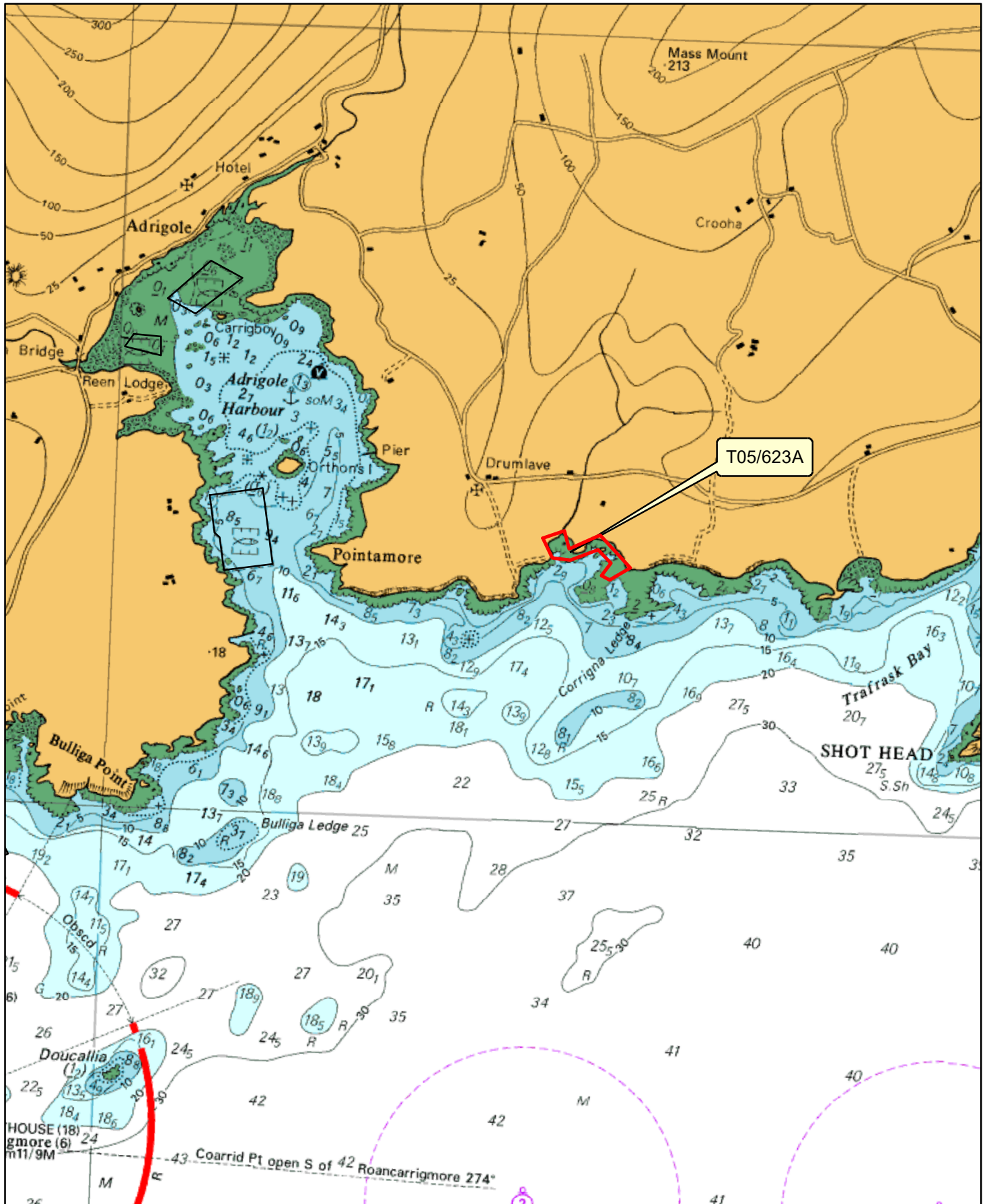
Sites highlighted in red denotes Application

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





1:24,000

Site_Status

Application
Licensed

Sites highlighted in red denotes Application

Part of Admiralty Chart No =1840-0
Not to be used for Navigation



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

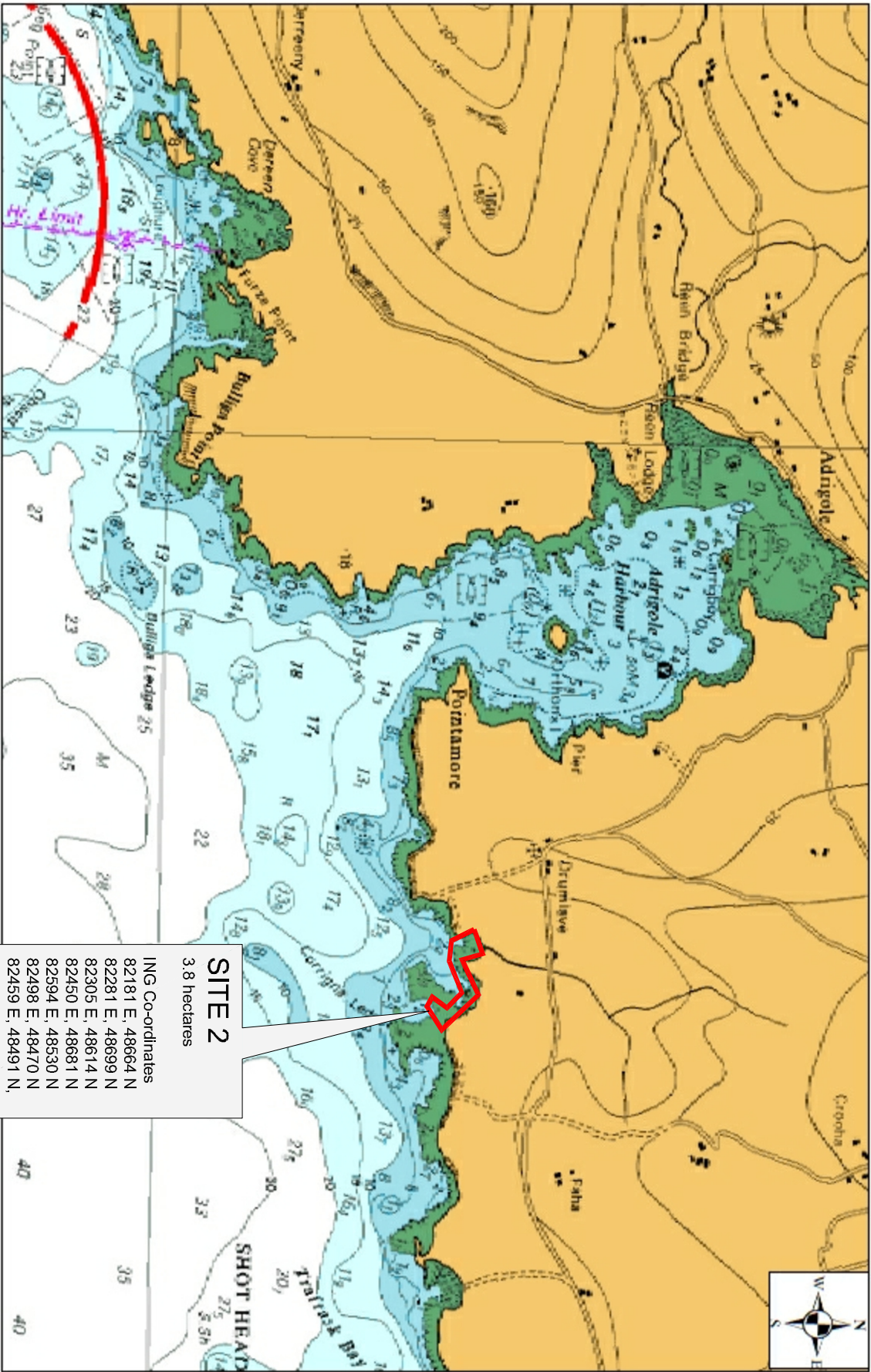



Chart - Site Site T05/623
Scale 1:24,000 @ A3

REV.	OS License: OS License EN 0079314 Admiralty Chart License Chart provided by client Admiralty Chart License no: 16976 Q		PROJECT: Aquaculture Licence Application Adrigole, Co. Cork	Appl No: T05/623	Scale: 1:24,000 @ A3	Drg No: T05/622-BAC2	Rev A
DATE	License Area: 3.8 ha ING Co-ordinates: 82381 E, 48664 N 82381 E, 48699 N 82450 E, 48614 N 82450 E, 48630 N 82459 E, 48470 N 82459 E, 48491 N		CLIENT: Daniel O'Shea	TITLE: SITE 2 B.A. Chart		Mark Gallagher Architect MRIAI Dip Eng BA Eyeries, Beara, Co. Cork +353. 86. 0858593	
MG	BY	Notes: 1. All dimensions are in metres unless noted otherwise 2. All levels are in metres related to Ordnance Datum 3. Co-ordinates to Irish National Grid. 4. Application Site outlined in RED					