



AQUACULTURE - LICENSING UNDER
FISHERIES (AMENDMENT) ACT 1997 as amended
and
FORESHORE ACT 1933 as amended

*Application Form for an Aquaculture and Foreshore Licence for
a single specific site.*

*If a Licence is required for more than one site a separate
application form must be completed for each site.*

Important Note

Section 4 of the Fisheries and Foreshore (Amendment) Act, 1998 (No. 54 of 1998) prohibits any person making an application for an Aquaculture Licence from commencing aquaculture operations until duly licensed under the Fisheries (Amendment) Act, 1997 (No. 23 of 1997), and provides that a breach of that prohibition will cause the application to fail.

A copy of an Environmental Impact Statement and Natura Impact Statement should be enclosed, if required, with all new, review and renewal applications. See Guidance Notes Section 3.

Aquaculture & Foreshore Management Division
Department of Agriculture, Food and the Marine
National Seafood Centre
Clonakilty, Co. Cork
P85 TX47
Telephone: (023) 8859500
Fax: (023) 8821782

Revised May 2018

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. _____

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. Bantry Marine Research Station Ltd.

Address:
Gearhies,
Bantry,
Co. Cork
P75 AX07

2.

Address:

3.

Address:

4.

Address:

PART 1: PRELIMINARY DETAILS

Contact in case of enquiries (if different from above)	
Contact Name	Julie Maguire
Organisation Name (if applicable)	Bantry Marine Research Station Ltd.
Address	Gearhies, Bantry, Co. Cork P75 AX07

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 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 type="checkbox"/> | Go to Parts 2.2 and 2.2A |
| Seaweed/Aquatic Plants/Aquatic Fish Food | <input checked="" 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. |
|--------------------------|---|

2.3 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: Bantry Bay
- (ii) County: Cork
- (iii) OS Map No: 84 and 85
- (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.]

Irish Grid

090440, 045330 to Irish Grid reference point
 090647, 045516 to Irish Grid reference point
 090647, 045625 to Irish Grid reference point
 090720, 045439 to the first mentioned point

- (v) Size (hectares): 6Ha

(vi) Species (common and scientific name):

Native macro algae: *Alaria esculenta* (winged kelp), *Ulva lactuca* (sea lettuce), *Palmaria palmata* (dulse), *Asparagopsis armata* (harpoon weed), *Saccharina latissima* (sugar kelp), *Laminaria digitata* (oar weed), *Fucus serratus* (serrated wrack)

(vii) What is the source of plantlet? Bantry Marine Research Station hatchery

(viii) Cultivation Method? long lines

(ix) Proposed total number of lines/ropes 17 lines

(x) Proposed Production:

Year 1	18.7T	Year 2	19T	Year 3	19T	Year 4	19T	Year 5	19T
--------	-------	--------	-----	--------	-----	--------	-----	--------	-----

(xi) Reasons for site selection: Existing site

(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:

Long lines (110m x 17) currently in use on the site

(xiii) Methods used for harvesting: Hand cut into 1T bins

(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? _We use grey LD2 buoys and SF40 floats_____

(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

_____ No _____

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

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:

Dr. Julie Maguire (Research Director)

Julie Maguire has a PhD in Marine Biology from University College Cork (awarded in 1998). As Research Director of BMRS, Dr Maguire has managed all the Stations research projects and managed the seaweed farm in Bantry Bay since the license was first awarded. Her main research interests lie in climate change mitigation particularly by using seaweed. Her main research efforts and subsequent projects are in; macroalgal cultivation and Integrated Multi Trophic Aquaculture (MABFUEL, NETALGAE, BIFF, ACCIPHOT, IDREEM, ECOFISH, SEAFOOD-AGE, Agrefine, Farm4More, EATFISH), and the extraction and quantification of bioactive compounds and bioplastics (SEABIOPLAS), research to improve products and services such as zero waste and traceability (ORION, LABELFISH, SEATRACES, BIOTECMAR), forecasting and monitoring (ASIMUTH, OSS2015, SAFI, AtlantOS, C-TEP, PRIMROSE, Co-Clime, Nanoculture). Some highlights from her career include she was awarded the Copernicus Masters Award for "Best service for European citizens" for her work on forecasting Harmful Algal Blooms in 2013 and in 2018 she gave a presentation at the European Parliament "Exploring the Use of Seaweed-Derived Biopolymers in Biomedical Technology". She has 28 peer reviewed publications and 2 best practice guidelines for seaweed harvesting in Europe and mussel fisheries management.

Dr Simona Paolacci (Researcher/Principal Investigator)

Dr Paolacci graduated in Environmental Sciences from Sapienza University of Rome (Italy) and has a research Masters in environmental Monitoring and Restoration. After completing her PhD in plant eco-physiology at University College Cork, she worked for three years as a post-doc also in UCC. She developed a phytoremediation system to treat aquaculture wastewater whilst producing a valuable, protein-rich plant biomass. She is interested in marine and freshwater aquatic ecosystems and plants restoration ability. Currently she is involved in a project investigating seafood traceability and compliance to EU seafood labelling legislation. In general, she is interested in environmental policy, and also enjoys using plants and algae to solve environmental issues.

Mr Mick Mackey (Researcher)

Mick Mackey studied Marine and Freshwater Biology at the Royal Melbourne Institute of Technology (RMIT) and the University of Tasmania between 1986 and 1988. After monitoring the phytoplankton and zooplankton of Melbourne's water supplies and streams for six years, he returned to Tasmania in 1995 to study the productivity of Antarctic sea-ice algae as part of his Honours Year. Mick spent the next 20 years working in Ireland and Antarctica researching various aspects of marine mammal and seabird biology, including a 2.5-year stint on Bird Island, South Georgia. He is currently working as a Research Scientist at the Station, where he is immersed in a wide variety of lab-based and field studies involving macroalgae, microalgae, marine invertebrates and fish.

Ms. Dee McElligott MSc. (Researcher)

Ms McElligott holds an MSc. in Geographical Information Systems and Remote Sensing and an undergraduate degree in Zoology. With over ten years' experience in marine research she has participated in EC FP, INTERREG and numerous nationally funded projects. Dee is currently involved in INTERREG projects delivering improved forecasts of HABs, microbial risks and climate impacts in aquaculture locations in a number of EU countries (PRIMROSE), and a project co-developing and co-producing a prototype marine ecosystem climate services (CoCLIME). Dee is also involved in a number of macroalgae based projects, including running trials for growing *Asparagopsis armata* onshore, the purpose of this is to produce an antimethanogenic product for delivery to the cattle industry.

- (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:

_____ We currently have 14 staff members and hope to increase this number if we can diversify the amount of species that we are currently allowed to grow on this site. _____

FULLTIME JOBS

Year 1:	10	Year 2:	11	Year 3:	12	Year 4:	15
---------	----	---------	----	---------	----	---------	----

PART TIME JOBS

Year 1:	4	Year 2:	4	Year 3:	4	Year 4:	6
---------	---	---------	---	---------	---	---------	---

PART 3 D. LIMITED COMPANY

Company Name: Bantry Marine Research Station Ltd.

Address: Gearhies, Bantry, Co. Cork, P75 AX07

Company Registered No. (CRO No.) 402087

VAT No. IE-6422087U

Phone No. 027 29180

E-mail Address: jmaguire@bmrs.ie

Please list below the names and Personal Public Service No's of the Directors of the Company

Name: Julie Maguire Personal Public Service No. 

Name: David O'Neill Personal Public Service No. 

Name: Dan Tierney Personal Public Service No. 

Name: _____ Personal Public Service No. _____

Please list below the names and Personal Public Service No.'s of the Shareholders in the Company and the percentage shareholding held in each case

Name: Cervellos Ltd Personal Public Service No. 

% Shareholding: 100% (owned equally by the three Directors above)

Name: _____ Personal Public Service No. _____

% Shareholding: _____

Name: _____ Personal Public Service No. _____

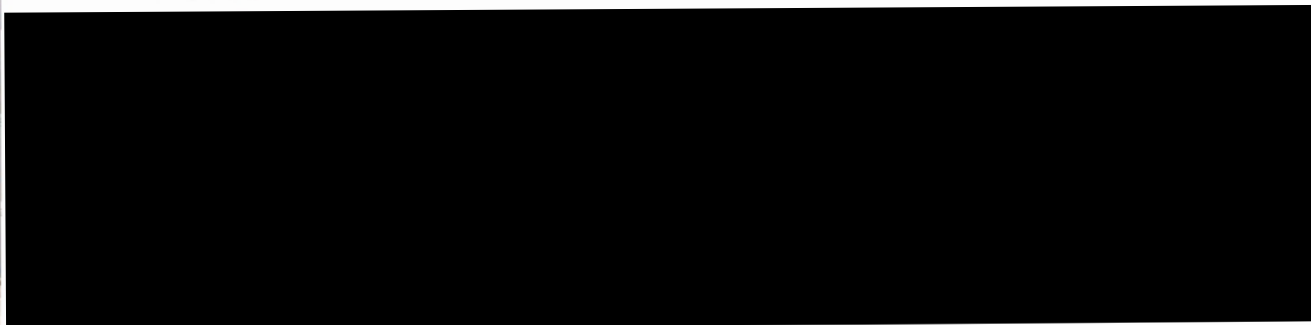
% Shareholding: _____

Name: _____ Personal Public Service No. _____

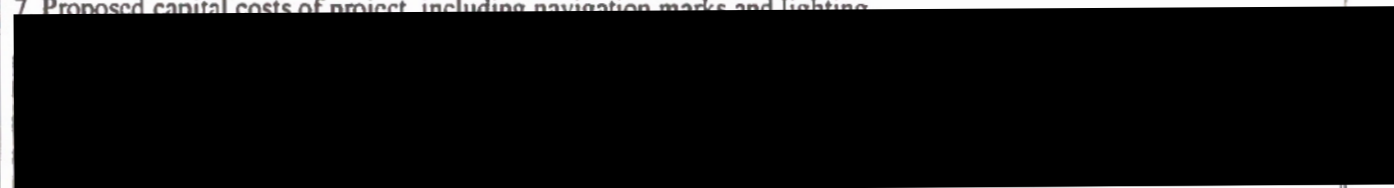
% Shareholding: _____

PART 3E DETAILS FOR CONTACT IF DIFFERENT FROM APPLICANT(S)**Contact in case of enquiries**

Contact Name	
Organisation Name (if applicable)	
Address	
Telephone No.	
Mobile No.	
E-mail Address	

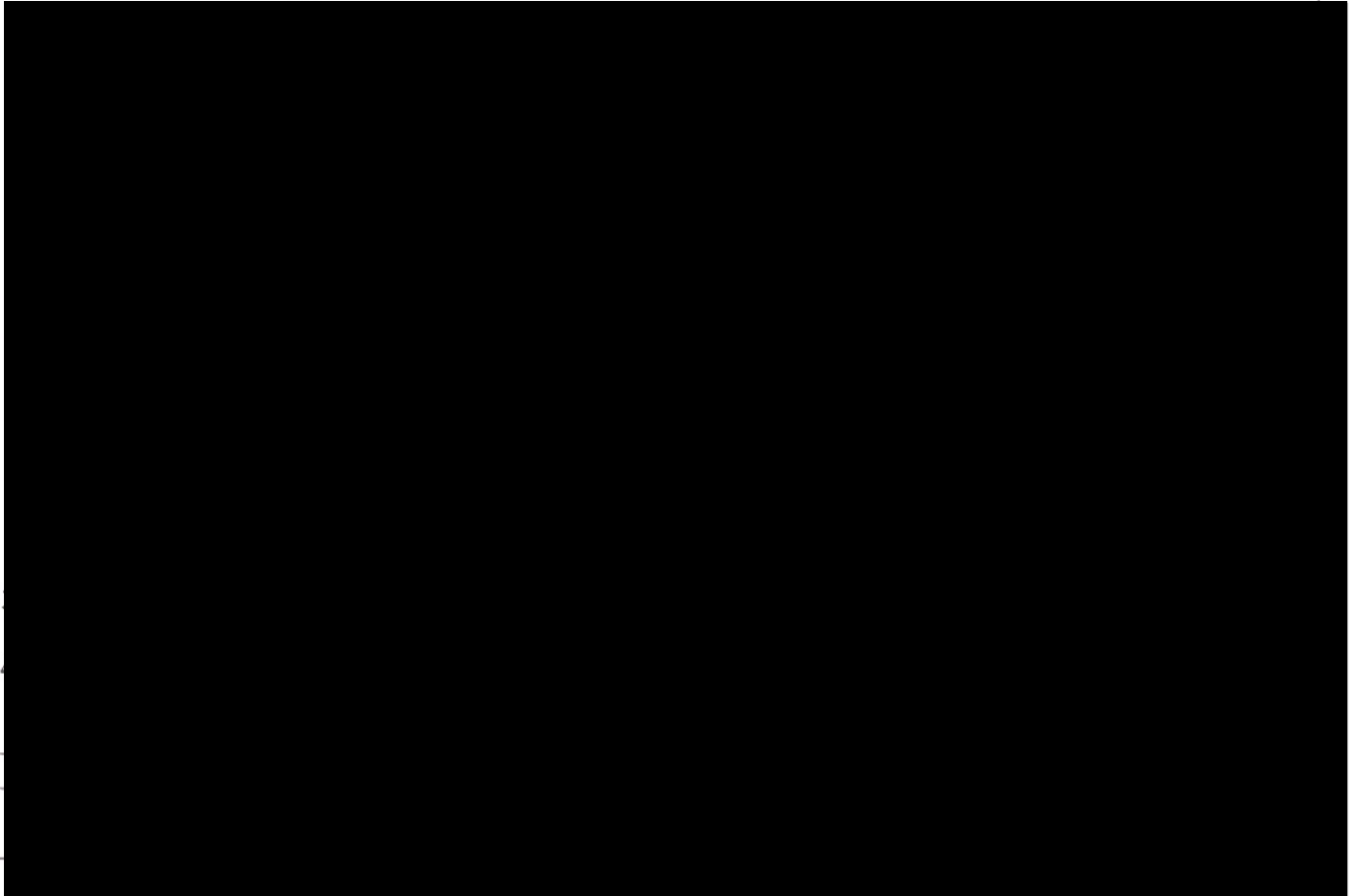
CONFIDENTIAL**PART 4: FINANCE AND MARKETING****PART 4 A. FINANCE**

7. Proposed capital costs of project, including navigation marks and lighting



CONFIDENTIAL

PART 4 B. MARKETING



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 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 and that I am over 18 years of age. I/We enclose an application fee* of € 63.49 (bank transfer) with this application.

Signature(s) of Applicant(s):

(Please state capacity of persons

signing on behalf of a Company/Co-op)


_____ Julie Maguire (Director) _____

Date: 17th August 2021

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 T05/547A (6 Ha)

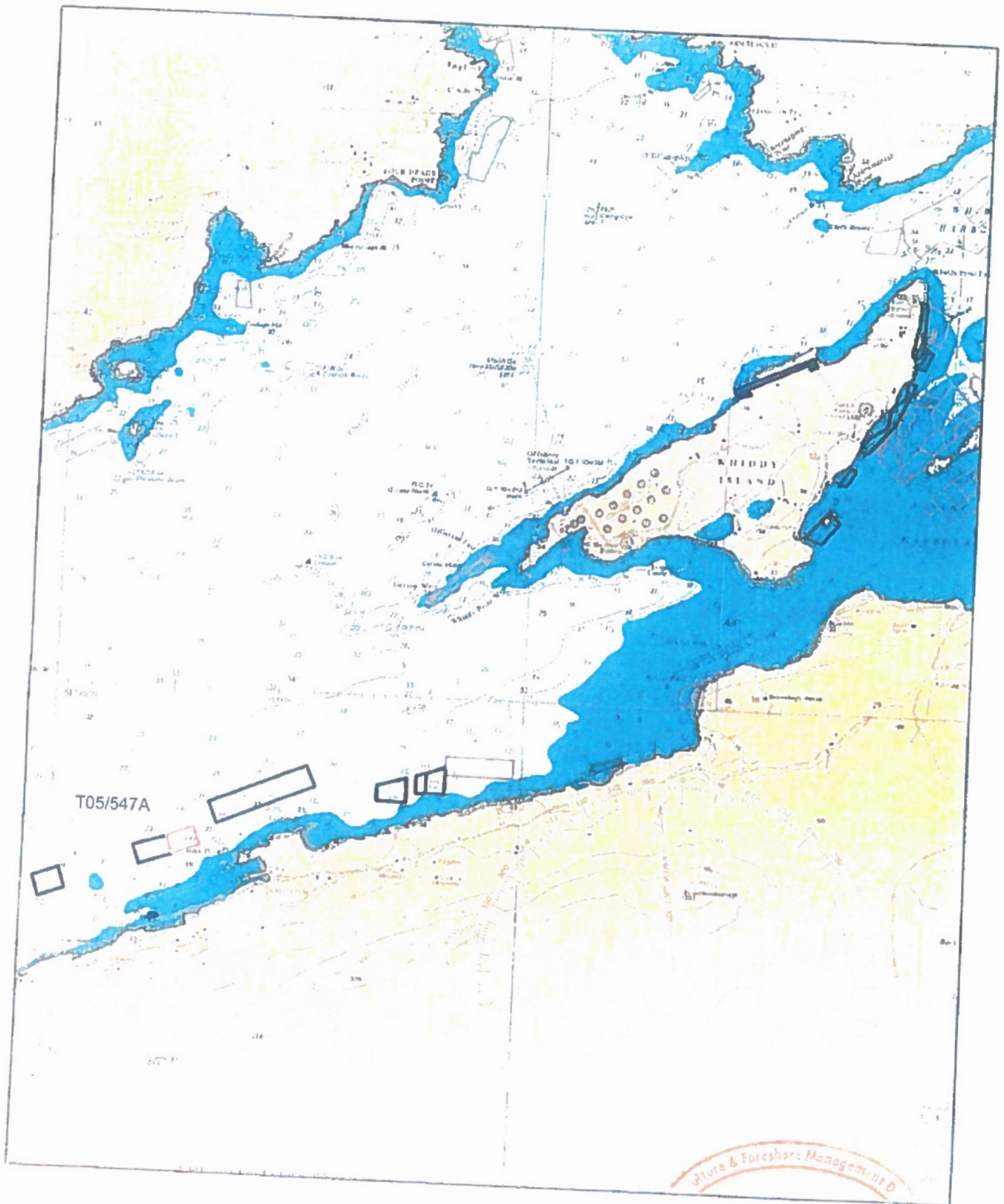
The area seaward of the high water mark and enclosed by a line drawn from Irish National Grid Reference point

090440, 045330 to Irish National Grid Reference point

090368, 045516 to Irish National Grid Reference point

090647, 045625 to Irish National Grid Reference point

090720, 045439 to the first mentioned point.



Scale 1:50,000
 1 inch = 1.25 miles
 1 centimetre = 0.39 miles

Site Highlighted in red denotes application

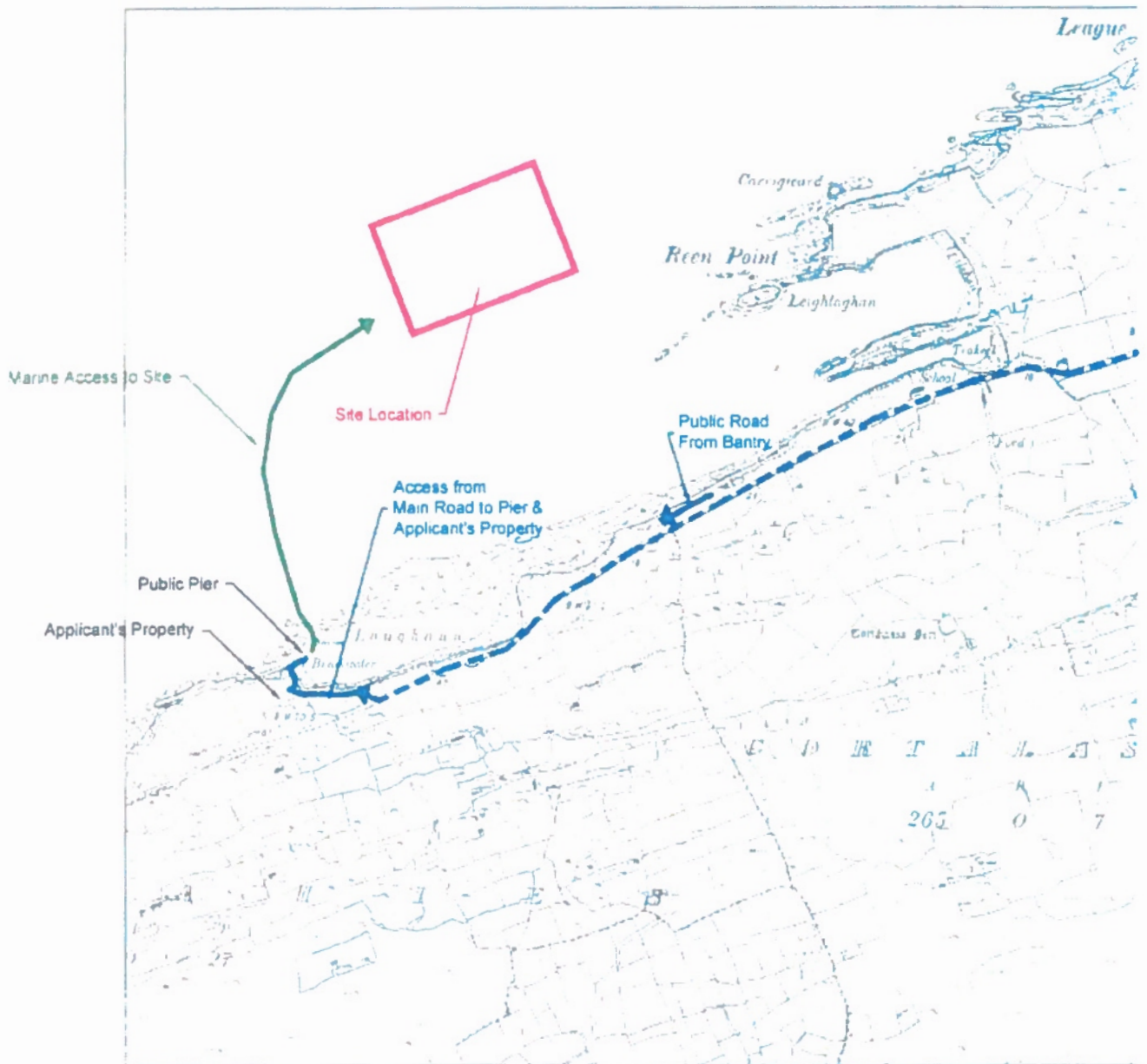
Part of Admiralty Chart No. 1833-D
 Not to be used for navigation

Agriculture
 Food and the Marine

SCHEDULE 2

Schedule 2 contains:

- **the approved plans and drawing(s)**



Cronin Millar Consulting Engineers

Civil Marine Structural Environmental

The Mews
7 Copperfields
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

B	Site Access	1
A	Aquaculture Application Further Information	11
Rev:	Description:	1



Notes.

Map Sheets: CK 117
CK 130

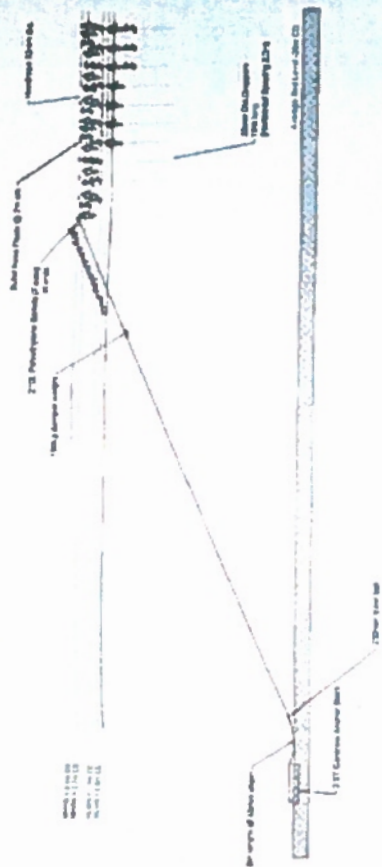
Scale: 1:10,560

Ordnance Survey Ireland Licence No. EN 0061908

© Ordnance Survey Ireland/Government of Ireland

			Client:	Daithi O'Mhurchu Marine Research Station	Title: 1:10,560 Location Map			
9/13	SMC	AC						
8/13	SMC	AC	Project:	Seaweed Licence Application Reen Point, Bantry Bay	Scale: 1:10,560	Sheet Size: A3	Date: 14/09/2013	
10	Drawn:	Checked			Drawn By: SMC	Checked By: AC	Drawing No: C628/2	Revision: B

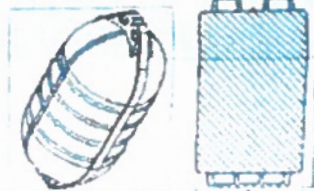
Copyright reserved.



Bullet Noto Buoy



Navigation Buoy Data



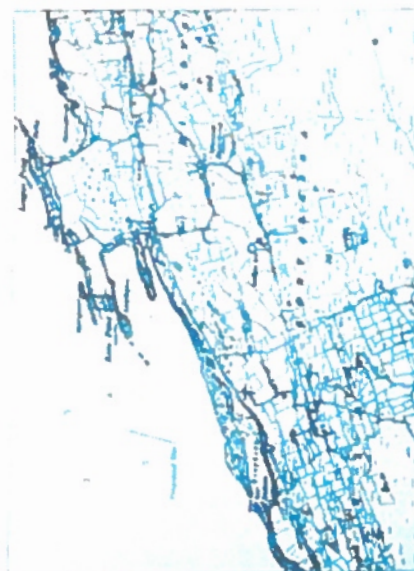
Printed on Demand

For Information:
 GPO Premium Publications Service
 Price \$2.00 (USPS)

Length • 120 pages • 4-1/2" x 7-1/2"
 Dpt. • 400 pages • 4-1/2" x 7-1/2"
 Weight • 1.5 lbs.
 Country • USA

Address • High Society Publications
 Chicago • Spring Hill 1778
 Chicago • High Society Publications

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	



Item	Unit	Quantity	Price	Total
1. 1000	1000	1000	1000	1000
2. 1000	1000	1000	1000	1000
3. 1000	1000	1000	1000	1000
4. 1000	1000	1000	1000	1000
5. 1000	1000	1000	1000	1000
6. 1000	1000	1000	1000	1000
7. 1000	1000	1000	1000	1000
8. 1000	1000	1000	1000	1000
9. 1000	1000	1000	1000	1000
10. 1000	1000	1000	1000	1000
11. 1000	1000	1000	1000	1000
12. 1000	1000	1000	1000	1000
13. 1000	1000	1000	1000	1000
14. 1000	1000	1000	1000	1000
15. 1000	1000	1000	1000	1000
16. 1000	1000	1000	1000	1000
17. 1000	1000	1000	1000	1000
18. 1000	1000	1000	1000	1000
19. 1000	1000	1000	1000	1000
20. 1000	1000	1000	1000	1000
21. 1000	1000	1000	1000	1000
22. 1000	1000	1000	1000	1000
23. 1000	1000	1000	1000	1000
24. 1000	1000	1000	1000	1000
25. 1000	1000	1000	1000	1000
26. 1000	1000	1000	1000	1000
27. 1000	1000	1000	1000	1000
28. 1000	1000	1000	1000	1000
29. 1000	1000	1000	1000	1000
30. 1000	1000	1000	1000	1000
31. 1000	1000	1000	1000	1000
32. 1000	1000	1000	1000	1000
33. 1000	1000	1000	1000	1000
34. 1000	1000	1000	1000	1000
35. 1000	1000	1000	1000	1000
36. 1000	1000	1000	1000	1000
37. 1000	100			

Cronin Millar (Reading)

1. *Chlorophyll a* (mg/g)

David C. Mendenhall, President

— National Service Application
How Fast, Easy, Free

Layell, Plans, Sections and Details

11