

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



18th February 2019

Ms. Mary O'Hara,
Aquaculture Licences Appeals Board,
Kilminchy Court,
Dublin Road,
Portlaoise,
Co. Laois.
R32 DTW5



Site Ref: T05-590A
Your Ref: AP6/1-2/2018

Dear Ms. O'Hara, ✓ MTH 15/2/19

I refer to appeals lodged with ALAB against the Minister's Decision to grant Aquaculture and Foreshore licences to Dunmanus Bay Mussels Ltd and your subsequent letter of 28th January 2019 seeking further information for the Board.

The Department can only provide information on the queries raised based on the existing contents of File T05-590A. The information on hand indicates that the Department's technical and scientific advisors had no objection to the granting of Aquaculture and Foreshore Licences for this site. Site T05-590A was deemed to be suitable for mussel cultivation and there was no evidence to suggest that there would be any degradation to the area arising from benthic impacts or flushing rates at the site.

The consensus of the Environmental Impact Assessment (EIA) Screening Group, comprising officials from the Marine Institute, Bord Iascaigh Mhara, the Department's Marine Engineering Division and Aquaculture and Foreshore Management Division, was that the environmental effects from the proposed activity would be minimal and not significant. In addition, the Appropriate Assessment Screening Report for aquaculture activities in Dunmanus Bay concluded that the proposed aquaculture activity would not adversely impact the area in terms of water quality, local habitats, flora and fauna etc.

In accordance with the requirements of the Board, I am forwarding documentation from File T05-590A (with the most relevant parts highlighted) which supports the Department's conclusion regarding the flushing at the site and suitability of the site to mussel culture, including references to potential benthic impacts.

1





I can also confirm that the relevant bodies listed under Regulation 10 of the Aquaculture (Licence Application) Regulations of 1998 (including Fáilte Ireland) were notified of this aquaculture licence application in accordance with the requirements set out thereunder. Copies of emails and letters in respect of the statutory consultation phase for this licence application are also attached.

Please find below an additional schedule of documents in relation to this file (please note some of the documentation has been forwarded previously in the first schedule of documents for T05-590A):

- a) Extract from Supplementary Information and Environmental Report submitted by the applicant with their application;
- b) Submission to the Minister on the EIA requirements in relation to the site, Ministerial Determination in relation to the requirement for an Environmental Impact Statement and the EIA Screening Document for Site T05/590A;
- c) Appropriate Assessment Screening Report for Dunmanus Bay including the assessment of Site T05/590A;
- d) The Department's Marine Engineering Division Reports on the site;
- e) The Marine Institute's statutory comments on the site;
- f) Copies of emails and letters sent to the relevant bodies listed under Regulation 10 (including Fáilte Ireland).

Please contact me if you have any queries in relation to the above.

Yours sincerely,

Geraldine O'Donovan

Geraldine O'Donovan
Aquaculture and Foreshore Management Division
National Seafood Centre
Clonakilty
Co. Cork
P85 TX47

Phone: 023-8859539

Email: geraldine.odonovan@agriculture.gov.ie

a)

Dunmanus Bay Mussels Ltd
Aquaculture Licence Application

**Supplementary Information
and Environmental Report**

Date: 06 December 2013
Job No: C136
Client: Dunmanus Bay Mussels Ltd.

Cronin Millar
Consulting Engineers
Civil • Marine • Structural • Environmental



TS/590

6.0 SITE SELECTION

A number of factors contribute to selecting an appropriate site for the development and operation of a longline suspended culture farm.

6.1 Site Suitability

The site has been selected due to the relative shelter provided by Carbery Island and Furze Island. There is adequate site flushing as outlined in section 9.0 of this report.

Dunmanus Bay Mussels currently operates a site in the inner harbour (adjacent to Mannion's Island). Access to the new proposed site, availability of plant and machinery, and labour resources is therefore conveniently located.

6.2 Access to Site

Dunmanus Bay Mussels operates from Durrus Pier. This pier is approximately 9km or 5 nautical miles north east of the site. There is no pier infrastructure in the vicinity of the proposed site.

6.3 Navigation

Extensive consultations with the Marine Survey Office (MSO) were previously held. The outcome of this consultation assisted in determining a location for the proposed development that would satisfy navigational safety issues.

6.4 Alternative Sites

Alternative sites within Dunmanus Bay were examined. The final site was dictated by the MSO to satisfy navigational safety issues. The applicant already operates sites within the bay.

9.0 PREDICTED IMPACTS & MITIGATION MEASURES

9.1 Biodeposition and Impact on Benthic Community Composition

Shellfish farming results in the bio-deposition of faeces and pseudo faeces on the sea bed. This can affect existing sediment characteristics and benthic community composition.

The volume of bio-sedimentation on the sea bed is very much site specific. It is difficult to accurately forecast sedimentation on a site as it is dependent on existing water quality, farm size, mussel density, currents, wave action, nutrients and other variables. It is considered that shellfish farming has less of an impact on the environment than fin fish farming, as no external feed is added, however they do occupy a larger footprint.

The dynamics of bio-deposition (including faeces and pseudo faeces) are not fully understood and not easily modelled. For the purposes of this study, first principles were used to determine the rate of bio-deposition, dispersion, and accumulation of bio-deposits. Reference is made to Weise et al "Modelling the biodeposition from suspended shellfish aquaculture and assessing benthic effects", 2009. That study was carried out at shellfish sites in Canada. To date, no similar studies can be sourced in Ireland, so the "worst case scenario" figures from this report are used.

Site	GE 1+ (2003)	CAS (2005)	Dunmanus Bay
Site Size km ²	2.5	1.4	0.26
Longline Dimensions	200 No. longlines 91m long 0.2m diameter 1m dropper length	150 No. longlines 142m long 0.2m diameter 5.5m dropper length	18 No. longlines 220m long 0.04m diameter 7m dropper length
Overall length of Droppers per longline	366m	1100m	1,925m
Depth of Longline below Water Level	1.5m	12m	2m
Biodeposit production (kg/longline/day)	26.4	86.5	Unknown
Faeces Settling Velocity (mm/s)	10.0 ± 3.0	8.0 ± 1.0	Unknown
Pseudofaeces Settling Velocity (mm/s)	2.0 ± 0.2	N/A	Unknown

Table 4 Site Characteristics

9.1.1 Biodeposition Generation

Upon examination of Table 4, it may be interpolated that approximately 0.079kg of biodeposit per metre of dropper per day may be produced. It can therefore be approximated that 174kg/longline per day of biodeposit may be generated at the proposed site in Dunmanus. This equates to approximately 2,718kg of biodeposit generated daily at the site. This equates to approximately 992Tonnes/year.

9.1.2 Biodeposition Dispersion

Table 4 indicates that faeces settling velocities of approximately 10.0 mm/s have been recorded at previous study sites. For the purposes of this report, we will assume a biodeposit settling velocity at the Dunmanus site of 10.0 mm/s. This yields the following settling times at the Dunmanus site:

Low Water, -15m CD contour, settling time = 1,500s (or 25minutes)
High Water, -30m CD contour, settling time = 3,000s (or 50minutes)

Section 2.3 of this report indicates that current velocities at the site range between 0.09m/s to 0.20m/s. This yields the following potential settling distances from the site:

Minimum: 1,500s x 0.09m/s = 135m (laterally) from the source
Maximum: 3,000s x 0.20m/s = 600m (laterally) from the source

This equates to an affected footprint of 0.319km² to 0.515km².

The concentration of deposits over the seabed is therefore:

Maximum: 992,070 kg/year / 319,200m² = 3.108 kg/ m²/year = 8.515 g/m²/day
Minimum: 992,070 kg/year / 514,500m² = 1.928 kg/ m²/year = 5.283 g/m²/day

Allowing for neap tides, the maximum concentration of biodeposition may be in the region of 8.5g/ m²/day.

These calculations do not take into account wave induced currents and water movements caused by wind effects, which will have a positive impact on biodeposition. The calculations also assume that the site will have 100% harvestable size mussels on the droppers, which will not be the case.

9.1.3 Detectable Impact

Weise et al states that benthic status may become disturbed when biodeposition rates are in the range of circa 15 to 30g/m²/day. The estimated concentration rates fall well below this criteria. It can therefore be stated that the proposed farm will not have a detrimental impact on the exiting benthic community composition.

9.2 Impact on Human Health

Mytilus edulis are filter feeders and remove toxins and bacteria from the water in which they inhabit. Mussels are not a generator of toxins. They may ingest toxins from the water and convert to biodeposits. The proposed farm will not have an effect on human health due to bathing activities.

Consumption of shellfish containing DSP, PSP and ASP toxins can affect human health. These toxins are caused by enrichment and algal blooms. During occasions when algae blooms are present in the locality, harvesting of mussels is not permitted. A rigorous shellfish monitoring programme is managed by the Sea Fisheries Protection Authority (SFPA).

9.3 Impact on Local Fisheries

The development may have a minor impact on local fisheries. The applicant is willing to accommodate inshore fisherman to continue to fish the area after the farm is installed. This

arrangement currently exists and works well between the applicant and inshore fishermen at their sites in Dunmanus Bay Inner.

9.4 Impact on Foreshore

None anticipated.

9.5 Impact on Land Uses

It is anticipated that the proposed development will have negligible impact on existing land uses as the site does not encroach on the land.

9.6 Impact on Employment

The proposed development will have a positive impact on employment as it will help support existing jobs and create new local employment opportunities. This will have a positive impact on the local economy as other indirect jobs will be supported.

9.7 Impact on Traffic

The site will not have any impact on traffic in the locality adjacent to the development as all works access will be carried out from Durrus Pier via various vessels, as there is no appropriate berthing facility immediately adjacent to the site.

9.8 Impact on Navigation

The proposed site will have minimal impact on navigation. The proposed site lies well to the south of the navigation channel to Dunmanus Inner. Local inshore vessels will be able to navigate between the southern side of the site and the shoreline. The following additional mitigation measures are proposed:

- The applicant will deploy navigation buoys to the satisfaction of the Department of Agriculture Food and Marine, the Commissioner of Irish Lights, and the Marine Survey Office.
- A marine notice will be advertised with the Department of Transport regarding the construction works.
- A public notice will be advertised in a locally read newspaper.
- The United Kingdom Hydrographic Office will be notified so amendments can be made to the local navigation charts.

9.9 Impact on Statutory Designations

The proposed development will not impact upon or change any statutory designations.

9.10 Pollution

Recyclable materials will be used during both the construction and operational phases, as far as possible. Nylon mesh will not be used for the longline stockings.

A hydrocarbon spill clean-up kit will be available on the work boat at all times. This will ensure that any potential hydrocarbon spills are contained and appropriately managed.

Dunmanus Mussels Ltd

Aquaculture Licence Application

Bathymetric and Current Modelling Data

Date: 19th October 2012



Job No: C136

Client: Dunmanus Bay Mussels Ltd.

Surveyed by: Hydrographic Surveys Ltd.

Cronin Millar
Consulting Engineers

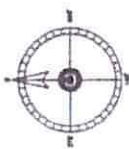
Civil • Marine • Structural • Environmental

Sheet Title	Dunmanus Bay Mussel Farm
Client	Bathymetric Survey of Mussel Farm Site Chart Datum
Project	DUNMANUS BAY MUSSELS
Surveyed by	HYDROGRAPHIC SURVEYS LTD The Cobble, Cobleny, Co. Cork
Ref	HR-353.21.4831184
Contractor	Cranlin Millar
Job Number	PH12032
Drawing Number	MS 78-1172
Drawn by	Gary Curran
Date	24/10/2011
Scale	1:2000 ON A1
Approved by	J.B.J.
Revision	001
Notes	1. Drawn to Irish National Grid. 2. Referenced to Chart Datum. 3. For further information contact the Chart Datum, Chart Datum & Lighthouse Dept., Plymouth.
By	Current Marine Surveying Group Ltd. (1:1:10)
Hydrographic Surveys Ltd	
Produced by	HYDROGRAPHIC SURVEYS LTD The Cobble, Cobleny, Co. Cork
Ref	HR-353.21.4831184
 Hydrographic Surveys Ltd	

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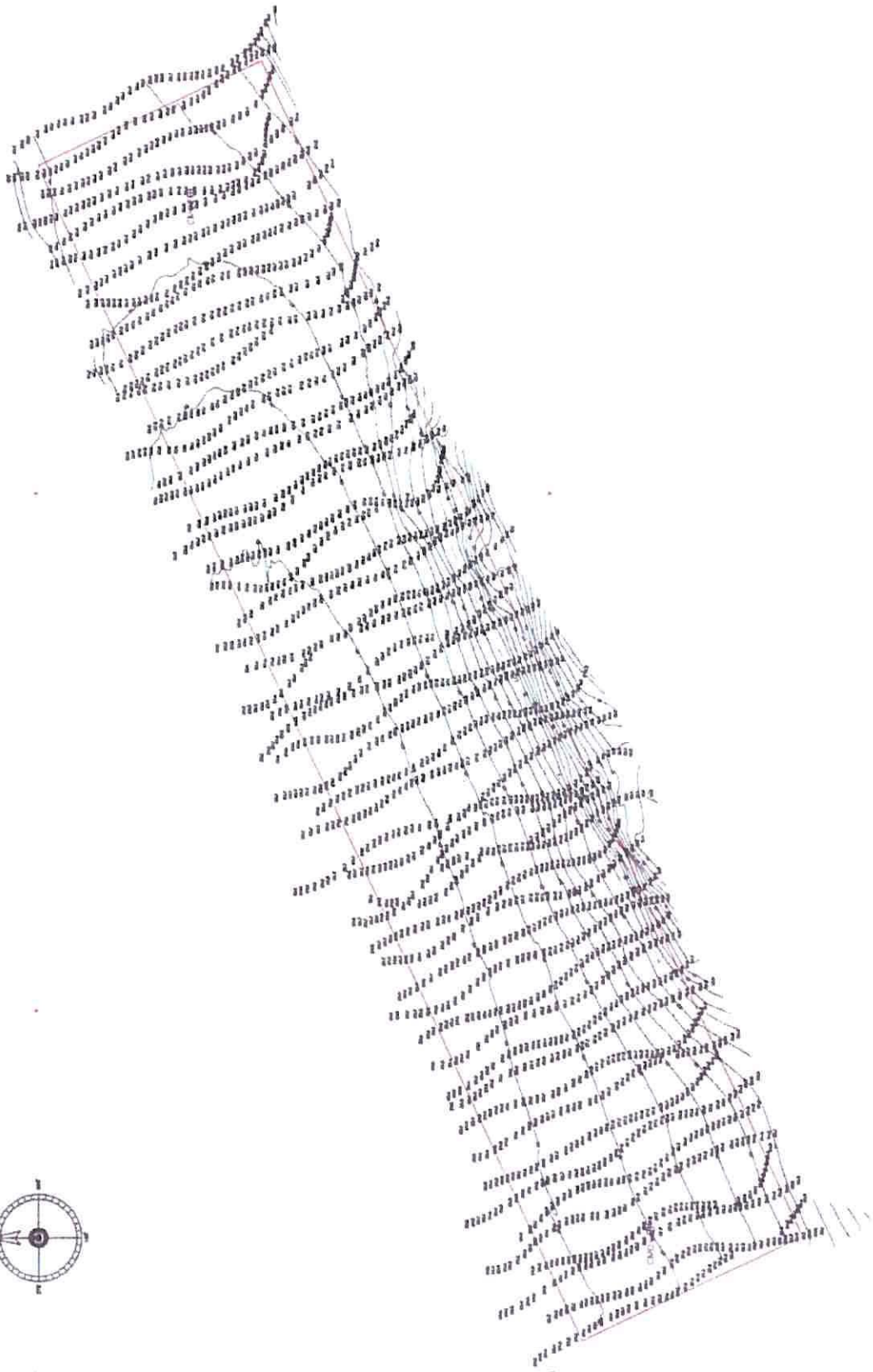
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Project PH 12032
 Location Mussel Farm Development Aquaculture Application
 Client Dunmanus Bay Mussels

Date:	19th Oct 2012	Wind Sp/Dir	Time (BST)	Tidal State	Depth 1 (1m BWL)		Depth 2 (5m BWL)		Depth 3 (10m BWL)		Depth 4 (15m BWL)		Depth 5 (20m BWL)		Depth 6 (25m BWL or 1m above bed)	
					Current Sp (m/sec)	Dirn (deg.m)	Current Sp (m/sec)	Dirn (deg.m)	Current Sp (m/sec)	Dirn (deg.m)	Current Sp (m/sec)	Dirn (deg.m)	Current Sp (m/sec)	Dirn (deg.m)	Current Sp (m/sec)	Dirn (deg.m)
CM1			07:25	HW 07:54 HW-0.5	0.06	5	0.25	223	0.07	319	0.055	217	0.069	220	0.082	221.6
CM1		7km/hr NE	08:14	HW 07:54 HW	0.26	278	0.04	236	0.05	223	0.026	186.6	0.033	126.5	0.039	317.8
CM1			09:22	HW 07:54 HW+1.5	0.15	294	0.20	299	0.13	271	0.045	188.3	0.034	236.4	0.024	165.4
CM1		8Km/hr NE	10:31	HW 07:54 HW+2.5	0.27	47	0.34	56	0.37	58	0.356	50.4	0.409	51.5	0.224	165.9
CM1		18km/hr E	11:38	HW 07:54 HW+3.5	0.18	244	0.11	309	0.07	219	0.076	194.9	0.051	204.6	0.029	163.2
CM1			12:52	HW 07:54 HW+4.5	0.23	5	0.21	0	0.05	270	0.099	171.1	0.023	250.3	0.047	21.3
CM1			13:46	LW 14:03 LW	0.15	275	0.14	289	0.08	310	0.035	211.4	0.038	212.2	0.086	171.5
CM1		No notable wind	14:35	LW 14:03 HW-5.5	0.12	271	0.13	66	0.02	180	0.028	51.2	0.106	23.5	0.082	20.6
CM1		No notable wind	15:25	LW 14:03 HW-4.5	0.08	291	0.11	7	0.09	29	0.093	11.2	0.077	3.3	0.08	17.3
CM1		No notable wind	16:30	LW 14:03 HW-3.5	0.07	266	0.03	200	0.04	91	0.099	344.3	0.034	299.7	0.036	257.8
CM1		6Km/hr NW	17:40	LW 14:03 HW-2.5	0.10	269	0.12	279	0.06	306	0.052	149.6	0.106	287.4	0.067	218.4
CM1			18:40	LW 14:03 HW-1.5	0.14	245	0.16	263	0.15	283	0.201	215	0.195	278.2	0.07	212

Current Meter Locations (ING)

	Easting	Northing
CM01	85787	36402
CM02	86790	36850

HW	07:54:00
LW	14:03:00

High Water and low Water tides taken from tide gauge readings located at Durus Pier on 19th Oct 2012

Note 1: Wind direction is reported by the direction from which it originates
 Note 2: Current direction is reported in degrees magnetic and refers to the direction in which the current is flowing

Project PH 12032
 Mussel Farm Development Aquaculture Application
 Location Dunmanus Bay Mussels
 Client: Dunmanus Bay Mussels
 CM 02
 Date: 19th Oct 2012

Location	Wind Sp/dirm km/hr *Note 1	Time (BST)	Tidal State	Depth 1 (1m BWL)		Depth 2 (5m BWL)		Depth 3 (10m BWL)		Depth 4 (15m BWL)		Depth 5 (20m BWL)		Depth 6 (25m BWL or 1m above bed)	
				Current S (m/sec)	Dirn deg.m	Current S (m/sec)	Dirn deg.m	Current S (m/sec)	Dirn deg.m	Current S (m/sec)	Dirn deg.m	Current S (m/sec)	Dirn deg.m	Current S (m/sec)	Dirn deg.m
CM2		07:47	(HW 07:54)HW	0.20	11	0.17	20	0.18	43	0.109	48.7	0.167	48.5	0.177	44.9
CM2		08:41	(HW 07:54)HW+1	0.21	46	0.16	4	0.21	14	0.277	27.6	0.285	30.4	0.25	30
CM2	10 km/hr NE	09:50	(HW 07:54)HW+2	0.26	32	0.33	24	0.27	3	0.303	22.9	0.282	29.7	0.291	35.5
CM2		11:06	(HW 07:54)HW+3	0.26	55	0.19	13	0.13	25	0.088	0	0.119	2.2	0.162	9.4
CM2	18km/hr E	12:05	(HW 07:54)HW+4	0.25	54	0.40	37	0.35	21	0.396	10.5	0.352	17.6	0.393	20.5
CM2	7 km/hr NE	13:20	(HW 07:54)HW+5	0.05	137	0.19	57	0.21	55	0.109	37.8	0.137	29	0.127	88.1
CM2	No notable wind	14:11	(LW 14:03)LW	0.07	249	0.08	113	0.06	120	0.083	18.1	0.057	350.7	0.027	324.2
CM2	No notable wind	15:01	(LW 14:03)HW-5	0.07	273	0.20	96	0.23	93	0.227	109.7	0.145	91.3	0.103	20
CM2	No notable wind	15:51	(LW 14:03)HW-4	0.07	303	0.09	157	0.10	116	0.1	67.9	0.087	87.2	0.141	88.6
CM2		17:00	(LW 14:03)HW-3	0.02	108	0.04	6	0.06	195	0.11	252.7	0.045	68.2	0.059	156.2
CM2	6Km/hr NW	18:10	(LW 14:03)HW-2	0.16	225	0.20	233	0.26	233	0.266	232.6	0.193	230.5	0.197	229

Current Meter Locations (ING)

	Eastng	Northng
CM01	65787	36402
CM02	66790	36850

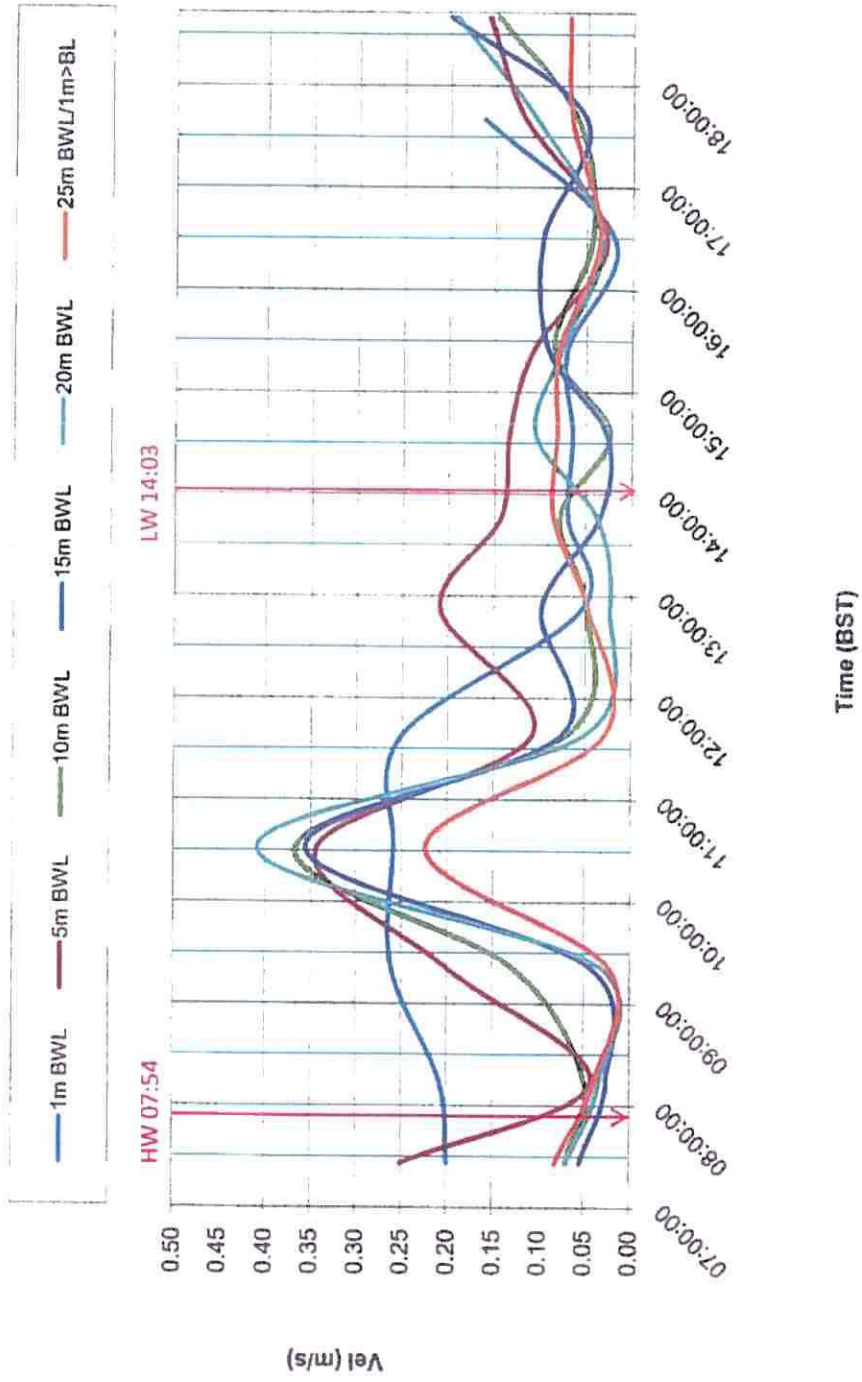
HW	07:54:00
LW	14:03:00

High Water and low Water tides taken from tide gauge readings located at Durrus Pier on 19th Oct 2012

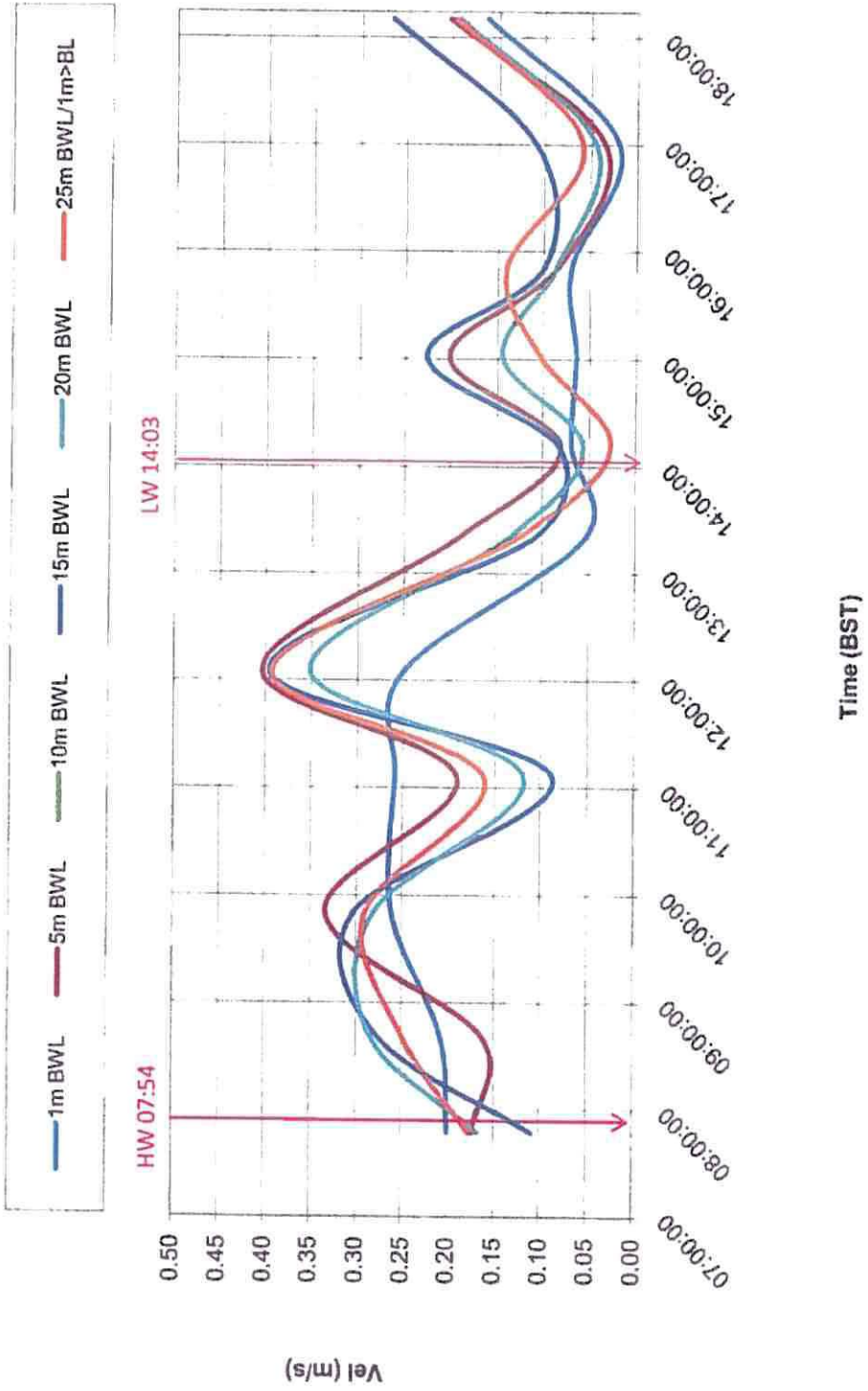
Note 1: Wind direction is reported by the direction from which it originates

Note 2: Current direction is reported in degrees magnetic and refers to the direction in which the current is flowing

Velocity Observations
CM 01 19th Oct 2012



Velocity Observations
CM 02 19th Oct 2012



b)

Ministerial Determination of the requirement for an EIS - Ref. T5/590A

Action Required

Ministerial Determination in relation to the requirement for an Environmental Impact Statement for an Aquaculture Licence Application from Dunmanus Bay Mussels Ltd in respect of one site for the cultivation of Blue mussels on longlines in Dunmanus Bay (Site Ref: T5/590A).

Executive Summary

The Minister may require the applicant, Dunmanus Bay Mussels Ltd, to submit an Environmental Impact Statement if the Minister considers that the proposed aquaculture is likely to have significant effects on the environment (EU EIA Directives). The proposed aquaculture is for the cultivation of shellfish in respect of one site in Dunmanus Bay, Co.Cork.

An EIA Screening Group has produced an EIA Screening Report in respect of the application. The consensus of the Group was that the individual and cumulative effects of the proposed aquaculture activity would not be significant having regard to the large body of water within which the aquaculture is located.

It is recommended that the Minister determines that an Environmental Impact Statement is not required for the reasons outlined in the 'Detailed Information' section below.

Detailed Information

Ministerial consideration and determination of the requirement for an EIS in respect of an aquaculture licence application in Dumanus Bay, Co. Cork

Purpose of Submission

The Minister's decision is sought as to whether or not Dunmanus Bay Mussels Ltd, Dromduff West, Bantry, Co Cork (the applicant for an aquaculture licence in respect of a site in Dunmanus Bay, Co. Cork) is required to submit an Environmental Impact Statement.

The recommendation of the Division is at paragraph 8 below.

Background

1. Dunmanus Bay Mussels Ltd applied for an aquaculture licence in respect of a site for the cultivation of mussels in Dunmanus Bay, Co. Cork, on 8th January, 2014, site reference (T5/590A) (see map at **TAB A**).
2. Ministerial determination as to whether an Environmental Impact Statement (EIS) in relation to the application is now required. The next stage in the process is public and statutory consultation followed by a submission to the Minister.
3. Regulation 5 of the Aquaculture (Licence Application) Regulations, 1998 states the Minister may require the applicant to submit an Environmental Impact Statement if the Minister considers that the proposed aquaculture is likely to have significant effects on the

environment. This requirement (under EU EIA Directives) is separate to the requirement for an Appropriate Assessment under EU Birds and Habitats Directives.

4. A Departmental EIA Screening Group, comprising officials from the Marine Institute, BIM, the Department's Engineering Division and AFMD, has been set up to advise the Minister on the environmental issues relating to EIS requirements.
5. The EIA Screening Group utilised the selection criteria listed in Annex III of Council Directive 2011/92/EU (EIA codification Directive) as the basis for its deliberations (see **TAB B**). The criteria relates to the characteristics, location and potential impact of the project. The Group produced an EIA screening report in respect of this application (see **TAB C**). The consensus of the group is that the individual and cumulative effects of the proposed aquaculture activity would not be significant having regard to the large body of water within which the aquaculture is located.
6. The 2011 EIA Directive (referenced above) has been amended by the 2014 EIA Directive (2014/52/EU). The provisions of the 2014 Directive may be deemed to apply from the 16th of May, 2017, under the principle of direct effect (notwithstanding the absence of national transposition legislation). However, transitional provisions provide that where screening (for whether an EIS is required in respect of an application) has commenced before this date, the screening must be carried out in accordance with the provisions of the 2011 Directive. This applies in the present case.
7. The EIA Directive also requires that "Member States shall ensure that the determination made by the competent authorities ... is made available to the public". This can be accommodated by placing the Ministerial determination on the Department's website.

RECOMMENDATION

8. It is recommended that the Minister determines that an Environmental Impact Statement is not required for this application in Dunmanus Bay, Co. Cork in accordance with the notice attached (**TAB D**) which outlines the matters taken into consideration (this determination will be placed on the Department's website).

Bernie Mc Donald,
Aquaculture and Foreshore Management Division.

Ministerial Determination in relation to EIS requirements for an application for an Aquaculture Licence for the cultivation of shellfish by Dunmanus Bay Mussels Ltd in Dunmanus Bay, Co. Cork.(Site Ref:T5/590A)

I, Michael Creed, Minister for Agriculture, Food and the Marine in accordance with the requirement of Regulation 5(2) of the Aquaculture (Licence Application) Regulations, 1998 have considered whether this Aquaculture Licence application to culture shellfish is likely to have a significant effect on the environment and would require the submission of an Environmental Impact Statement.

I have considered the proposed aquaculture activity, and determined that it is not likely to have significant effects on the environment and that an EIS is not required in relation to this application for the reasons outlined below.

REASONS AND CONSIDERATIONS

I had regard to the provisions of:

- i. Regulation 5 of the Aquaculture (Licence Application) Regulations, 1998;
- ii. EIA Directives (codified by Council Directive 2011/92/EU) and amended by Council Directive 2014/52/EU;
- iii. The criteria specified in Annex III of Directive 2011/92/EU;
- iv. As the screening for this application commenced before the 16th May, 2017 (date for Member States implementation of the 2014 Directive), it is being carried out in accordance with the provisions of the 2011 Directive;
- v. The guidance contained in the European Commission documents entitled "Guidance on EIA, Screening" June 2001 and Interpretation of definitions of project categories of Annex I and Annex II of the EIA Directive (2015);

and also to the report and recommendations of the Department's Screening Group with particular reference to:

- a) the nature and scale of the proposed aquaculture activity – cultivation of Blue Mussels on longlines on a 26.3 ha site
- b) the limited magnitude and extent of the direct impacts arising from the proposed aquaculture activity
- c) the absence of any protected structures or recorded monuments in the area of the proposed aquaculture activity

- d) in general views of mussel longlines will be obscured and limited from the adjacent scenic routes
- e) the low visual impact of the proposed aquaculture activity
- f) the non-use of toxic or hazardous substances as part of the proposed aquaculture activity
- g) the minor risk of accidents occurring as result of the proposed aquaculture activity
- h) the low risk of impacts on navigational safety
- i) the minimal impact on recreational use of the adjoining foreshore
- j) Appropriate Assessment Screening for aquaculture activities in Dunmanus Bay, Co. Cork - July 2017.

3rd October 2017.

T5/590A

EIA SCREENING ASSESSMENT T5/590A

1. Applicant Details

Name

Address

Dunmanus Bay Mussels Ltd
 Dromduff West
 Bantry
 Co Cork

2. Characteristics of Project

- a) Species cultivation proposed
- b) Method
- c) Production in intertidal zone
- d) Production beyond intertidal zone
- e) Source of seed/spat etc
- f) Is a non-native species to be cultivated?
- g) Annual Production Estimates - Tonnes

Blue Mussels (*Mytilus edulis*)

Longlines.

No

Yes

Local spat collection on stockings

No.

Year 1 0 tonnes

Year 2 190 tonnes

Year 3 250 tonnes

Year 4 250 tonnes

3. Location of Project

- a) File No.
- b) No. of sites
- c) Location
- d) Hectares
- e) Shellfish Waters Designation
- f) If yes, identify area as per S.I. 268 of 2006/S.I. 55 of 2009
- g) Natura 2000 site
- h) If yes, identify site and type

T5/590A

1 site

Dunmanus Bay CoCork

Site 26.25 Ha

No

No

4. Development Plan

- a) County Development Plan

Yes Cork County Development Plan

Section 6. Economy and Employment. Section

6.11.1 Commercial Fishing and aquaculture represent an important economic activity in rural coastal areas. This plan supports the provision of appropriate harbour infrastructure that facilitates a modern and innovative fishing industry. **6.11.2** The council recognises and will continue to support the sustainable development of the aquaculture industry in order to maximise its contribution to employment and the economic well being of rural communities and the economic well being of the county. This plan also recognises the important role aquaculture can play on the diversification of rural areas.

2014 -2020

- If yes, identify relevant sections
- If yes, period covered

T5/590A

b) Local Area Plan

If yes, identify relevant sections

c) Other

Yes ...	
2014-2020	
Yes	
Bantry Electoral Area Local Area Plan, Second Edition, January 2015	
Local Area Strategy — Vision - 2.2.4	
The economic strength of the Electoral Area is characterised by the natural and coastal resources, in particular the fishing industry, aquaculture, agriculture and tourism. This strategy aims to promote the further growth and development of these sectors which will in turn stimulate economic growth in the wider region. There are also opportunities within the Electoral Area for the promotion and development of further economic diversification measures.	
YES	
Yes. The project is not located within a Natura 2000 site but is located within 15Km of the Sheep's Head SAC (Site Code 000102), the Sheep's Head to Toe Head SPA (Site Code 004156) , Farranamanagh Lough SAC (Site Code 002189), Reen Point Shingle SAC(Site Code 002281) and Dunbeacon Shingle SAC Site Code 002280)	
Yes. AA Screening has been carried out	

If yes, please specify and identify relevant sections

EIA SCREENING CHECKLIST

Is it an ANNEX II project of EIA directive 85/337/EEC ?

Is the project located on or adjacent to a Natura 2000 area?
If yes, has the appropriate assessment been carried out?

T5/590A

I. CHARACTERISTICS OF THE PROJECT - ANNEX III (1)

	Yes/No - Briefly describe	Is this likely to result in a significant effect? Yes/No? - Why
<p>(a) Size of project Will the project be out of scale with the existing environment?</p>	<p>The project is not out of scale, the site is 26.25 Ha in context of the large body of coastal waters within which it is located.</p>	
<p>Will it lead to further consequential development or works (e.g. new roads, landing facilities, provision of new water supply)?</p>	<p>No. It will use existing infrastructure. No new additional infrastructure is required.</p>	
<p>(b) Cumulation with other development Are there potential cumulative impacts with existing aquaculture projects or with other licensed aquaculture projects but which have not yet begun?</p>	<p>Yes. There are other licensed aquaculture operations in the area, producing. Mussels, Oysters and sea urchins. There are potential visual, navigational and benthic impacts.</p>	<p>No. The site is located circa 3.5Km from the nearest licensed aquaculture site. The visual impacts will be covered by licence conditions relating to orientation of site, length of line, colour of flotation barrels etc. A group navigational marking scheme will be in operation providing a safe system of navigation for all marine users. Benthic impact is confined to the footprint of the sites.</p>
<p>Are there potential cumulative impacts with existing foreshore projects or with foreshore projects licensed but which have not yet begun?</p>	<p>No</p>	<p>No..</p>
<p>Should the application for this project be regarded as an integral part of a more substantial project? If so, can related projects which are subject to separate applications proceed independently?</p>	<p>No.</p>	

1. CHARACTERISTICS OF THE PROJECT - ANNEX III (1) con'	Yes/No - Briefly describe	Is this likely to result in a significant effect? Yes/No? - Why
<p>(c) Use of natural resources</p> <p>Will installation or operation of the project use natural resources such as land, water, materials or energy, especially any resources which are non-renewable or in short supply?</p> <ul style="list-style-type: none"> • land (especially undeveloped or agricultural land)? • water? • energy including electricity and fuels? • any other resources? 	<p>Yes, The cultivation of mussels on the foreshore will use naturally occurring marine phytoplankton present in the seawater in the area.</p>	<p>No. High levels of plankton occur naturally at the location and shellfish cultivation at this scale will not result in limiting plankton growth or abundance. .</p>
<p>(d) Production of waste</p> <p>Will the project produce wastes during installation or operation or decommissioning?</p> <ul style="list-style-type: none"> • municipal waste (household and/or commercial)? • surplus product? • construction or demolition wastes? • redundant machinery or equipment? • any other solid wastes? • liquid or solid wastes in suspension? 	<p>Yes. The cultivated shellfish will produce faeces and pseudofaeces. Grading and removal of mortalities will result in shells being discarded</p>	<p>No. The area impacted by faeces and pseudofaeces produced will be limited to the area of the site. The site is well flushed and build up of excess organic matter with subsequent reduction in oxygen is not considered likely. Amounts of discarded shells will be small and build up of excess on site will not be permitted. Discarding of damaged or other materials will not be permitted into the sea or on the foreshore.</p>

	Yes/No - Briefly describe	Is this likely to result in a significant effect? Yes/No? - Why
<p>I. CHARACTERISTICS OF THE PROJECT - ANNEX III (I) cont'd</p> <p>(e) Pollution and nuisances</p> <p>Will the project release pollutants or any hazardous, toxic or noxious substances to air? Emissions from:</p> <ul style="list-style-type: none"> • combustion of fossil fuels from stationary or mobile sources? • construction activities including plant & equipment? • any other sources 	<p>Yes. There will be emissions associated with the husbandry and harvesting of shellfish from boats and other machinery but will not have significant effect. There will be no release to the air of other hazardous, toxic or noxious pollutants.</p>	<p>No.</p>
<p>Will the project cause noise and vibration or release of light?</p> <ul style="list-style-type: none"> • from operation of equipment e.g. engines? • from blasting or piling? • from construction or operational traffic? • from lighting or other systems? • from any other sources? 	<p>Yes. There will be noise associated with the husbandry and harvesting of the shellfish e.g., use of boats and other machinery.</p>	<p>No. Noise levels will not be significant.</p>
<p>(f) Risk of accidents, having regard in particular to substances or technologies used</p> <p>Will there be any risk of accidents during installation or operation of the project which could affect human health or the environment?</p>	<p>Yes. There will be risk of physical injury while working on the site but no risk to human health</p>	<p>No. The risk of on-site accidents is considered to be minor.</p>
<p>Will the project lead to risks of contamination of land or water from releases of pollutants onto the ground or into surface waters, groundwater, coastal waters or the sea?</p>	<p>No. No chemicals or hazardous substances will be used during the production process.</p>	
<p>Will the project involve use, storage, transport, handling or production of substances or materials which could be harmful to people or the environment (flora, fauna, water supplies)?</p>	<p>Yes. Workboats carrying diesel and oil.</p>	<p>No. The risk of spillage is minor and the likely impact would be minor given the quantities of fuel involved.</p>

<ul style="list-style-type: none"> • use of hazardous or toxic substances? • potential changes in occurrence of disease or effect on disease carriers (e.g. insect or water borne diseases)? 		
<p>CHARACTERISTICS OF THE PROJECT - ANNEX III (1) cont'd</p> <ul style="list-style-type: none"> • g) Will installation, operation or decommissioning of the project involve actions which will cause physical changes in the locality (topography, land use, changes in waterbodies, etc)? • dredging? • coastal structures (seawalls, piers)? • offshore structures? • facilities for storage of goods or materials? • facilities for treatment or disposal of solid wastes or liquid effluents? • new road, rail or sea traffic during construction or operation? • new road, rail, air, waterborne or other transport infrastructure including new or altered routes and stations, ports, airports etc? • closure or diversion of existing transport routes or infrastructure leading to changes in traffic movements? • new or diverted transmission lines or pipelines? • transport of personnel or materials for construction, operation or decommissioning? • decommissioning or restoration works? • introduction of alien species? • loss of native species or genetic diversity? • any other changes? 	<p>Yes. Longlines will be placed on the foreshore, held in position by anchors on the seabed.</p>	<p>No. The development can be considered as minor and reversible as all structures can be removed and no new infrastructure is required.</p>
<p>(h) Inherent social changes</p> <p>Will the project result in social changes, for example, in demography, traditional lifestyles, employment?</p>	<p>Yes. There is scope for a small increase in employment.</p>	<p>No. The impact is beneficial but not significant.</p>

<p>2. LOCATION OF THE PROJECT - ANNEX III (2)</p> <p>(a) Existing land use</p> <p>Are there existing land uses on or around the location which could be affected by the project, e.g. homes, gardens, other private property, industry, commerce, recreation, public open space, community facilities, agriculture, forestry, tourism, water catchments, functional floodplains, mining or quarrying?</p> <p>Are there any areas on or around the location which are occupied by sensitive land uses e.g. hospitals, schools, places of worship, community facilities, which could be affected?</p> <p>Is the project located in a previously undeveloped area?</p>	<p>No. Terrestrial land uses will not be affected and there is no spatial overlap with other users of the foreshore.</p> <p>No</p> <p>No.</p>	
<p>(b) Relative abundance, quality and regenerative capacity of natural resources in the area</p> <p>Are there any areas on or around the location which contain important, high quality or scarce resources which could be affected by the project?</p> <ul style="list-style-type: none"> • groundwater resources • surface waters • fisheries • tourism <p>Are there any areas on or around the location which are protected under international or national or local legislation for their ecological, landscape, cultural or other value, which could be affected by the project?</p>	<p>Yes. There is fishing, tourism and marine leisure in the area.</p> <p>No.</p>	<p>No. Significant impacts are not considered likely.</p>
<p>2. LOCATION OF THE PROJECT - ANNEX III (2) cont'd</p> <p>Are there any other areas on or around the location which are important or sensitive for reasons of their ecology?</p>	<p>No.</p>	

T5/590A

<ul style="list-style-type: none"> • wetlands, watercourses or other waterbodies? • the coastal zone? • mountains, forests or woodlands?ature reserves and parks? • 		
<p>c) Absorption capacity of the natural environment cont'd</p> <p>Are there any areas on or around the location which are used by protected, important or sensitive species of fauna or flora e.g. for breeding, nesting, foraging, resting, overwintering, migration, which could be affected?</p>	<p>No. Site T05/590A is located circa 2.2 Km from the nearest boundary of the Sheep's Head SAC, 3Km from the nearest boundary of the Farranamanagh Lough SAC, 4.2Km from the nearest boundary of the Reen Point Shingle SAC, 4.8Km from the nearest boundary of the Sheep's Head to Toe Head SPA and 5.3Km from the nearest boundary of the Dunbeacon Shingle SAC</p>	<p>No</p>
<p>2. LOCATION OF THE PROJECT - ANNEX III (2) cont'd</p>		
<p>Are there any inland, coastal, marine or underground waters on or around the location which could be affected?</p>	<p>No</p>	
<p>Are there any groundwater source protection zones or areas that contribute to the recharge of groundwater resources?</p>	<p>No</p>	
<p>Are there any areas or features of high landscape or scenic value on or around the location which could be affected?</p>	<p>Yes. The site is adjacent to scenic routes (S106 S107 & S108). The site is also adjacent to very high value scenic routes. The roadway is also part of the Wild Atlantic Way, a coastal tourism route along the west coast of Ireland.</p>	<p>No. In general, views of the mussel longline sites are obscured and limited from the scenic routes.</p>
<p>Are there any routes or facilities on or around the location which are used by the public for access to recreation or other facilities, which could be affected?</p>	<p>No. Public access to recreational and other activities will not be significantly impacted by the project.</p>	<p>.</p>
<p>Is the project in a location where it is likely to be highly visible to many people?</p>	<p>No. Population densities are low in the region</p>	
<p>Are there any areas or features of historic, cultural or archaeological importance on or around the location which could be affected?</p>	<p>No.</p>	<p>No.</p>
<p>Are there any areas on or around the location which are already subject to pollution or environmental damage e.g. where existing legal environmental standards are exceeded,</p>	<p>No. Sea Urchins and mussels in this area currently have an "A" and "B" Classification respectively under Annex II of the EU Regulation</p>	

T5/590A

which could be affected? Is the area densely populated?	85-4/2004. No	
Is the location of the project susceptible to earthquakes, subsidence, landslides, erosion, flooding or extreme or adverse climatic conditions e.g. temperature inversions, fogs severe winds, which could cause the project to present environmental problems?	No.	

On the basis of the above the consensus of the screening group is 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.

EIA SCREENING GROUP COMPRISES OF MEMBERS FROM: THE MARINE INSTITUTE THE DEPARTMENT'S MARINE ENGINEERING DIVISION BORD IASCAIGH MHARA REPRESENTATIVES OF THE DEPARTMENT'S AQUACULTURE AND FORESHORE MANAGEMENT DIVISION		Dated <i>RD 22/09/17</i>
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c)

Appropriate Assessment Screening for Aquaculture activities in Dunmanus Bay, Co. Cork	
Brief description of the project or plan	<p>The following species are cultured in Dunmanus Bay (number of licences in parenthesis) - mussels (4), oysters (2) sea urchins (2), and seaweeds (1). Additionally, an application has been received for the following species - mussels (1).</p> <p>Site T05/196A is licenced for the production of mussels (<i>M. edulis</i>).</p> <p>Site T05/196B is licenced for the production mussels (<i>M. edulis</i>), sea urchins (<i>P. lividus</i>) and native seaweeds (<i>Laminaria saccharina</i>, <i>Laminara digitate</i>, <i>Alaria esculenta</i> and <i>Palmaria palmata</i>)</p> <p>Site T05/439A is licenced for the production of mussels (<i>M. edulis</i>).</p> <p>Site T05/466A is licenced for the production of mussels (<i>M. edulis</i>).</p> <p>Site T05/473A is licenced for the production of oysters (<i>C. gigas</i>)</p> <p>Site T05/570A is licenced for the production of oysters (<i>O. edulis</i>) and sea urchins (<i>P. lividus</i>).</p> <p>An application for a licence for the production of mussels (<i>M. edulis</i>) has been submitted for Site T05/590A</p> <p>The locations of the aquaculture sites are shown in Figure 1.</p>

Brief description of the Natura 2000 sites	<p>Dunmanus Bay is approximately 24km long and ranges in width from approximately 1.3km at the eastern end to 6.5km at the mouth. The following Natura 2000 sites are adjacent to (within 15Km) of the aquaculture sites in Dunmanus Bay and are shown in Figure 2.</p> <p>Sheep's Head SAC (Site code: 000102)</p> <p>The site extends from near Ahakista in the east, to the Sheep's Head lighthouse in the west. It is a narrow ridge of sandstone which encloses a number of rectangular basins filled either by peat bogs or lakes. The main value of the area is the presence of the terrestrial features, dry heath and wet heath, habitats listed on Annex II of the EU Habitats Directive. In addition, Annex I Birds Directive species, the Chough, and an Annex II species under the Habitats Directive, the Kerry Slug, are found in the area.</p> <p>The Conservation Objectives of this site are¹:</p> <p>To maintain or restore the favourable conservation condition of the Annex I habitat(s) and/or the Annex II species for which the SAC has been selected:</p>
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¹ NPWS (2016) Conservation objectives for Sheep's Head SAC [000102]. Generic Version 5.0. Department of Arts, Heritage, Regional, Rural and Gaeltacht Affairs.

- Northern Atlantic wet heaths with *Erica tetralix*
- European dry heaths
- Kerry Slug *Geomalacus maculosus*

Dunbeacon Shingle SAC (Site Code 002280)

This coastal site is located at the head of Dunmanus Bay in Dunbeacon townland, 5 km south-west of Durrus village, Co. Cork. The site comprises a diverse and complex mosaic of habitat types in a relatively small area. As well as supporting an example of 'perennial vegetation of stony banks', Dunbeacon Shingle SAC also contains areas of saltmarsh, rush pasture, lake, freshwater marsh, tidal estuarine creeks, scrub woodland, Alder (*Alnus glutinosa*) and willow (*Salix* spp.) dominated wet woodland, wet heath and dry heath.

The Conservation Objectives of this site are:²

To maintain or restore the favourable conservation condition of the Annex I habitat(s) and/or the Annex II species for which the SAC has been selected:

- Perennial vegetation of stony banks

Reen Point Shingle SAC (Site Code 002281)

Reen Point Shingle SAC is located in Dunmanus Bay, 4 km north-west of Durrus village, in Reencappul townland, Co. Cork. The site covers a relatively small area and consists of a headland shaped like a hammer. The 'handle' of the hammer shape consists of two vegetated shingle bars, one at each side, with a marshy/lagoonal area in between. Reen Point Shingle SAC contains two important examples of perennial vegetation of stony banks, a habitat listed on Annex I of the E.U. Habitats Directive. The presence of other coastal habitats such as saltmarsh, lagoon, freshwater marsh and heath adds further interest to the site.

The Conservation Objectives of this site are:³

To maintain or restore the favourable conservation condition of the Annex I habitat(s) and/or the Annex II species for which the SAC has been selected:

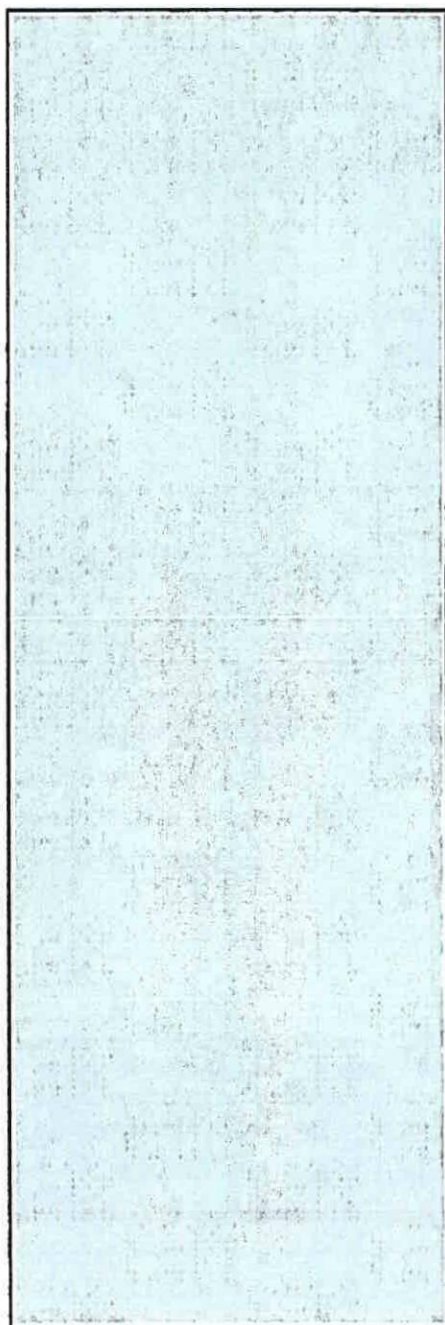
- Perennial vegetation of stony banks

Farranamanagh Lough SAC (Site Code 002189)

Farranamanagh Lough is a small, shallow (2 m), sedimentary lagoon situated on the south side of the Sheep's Head peninsula in west Co. Cork. This lagoon is in an almost

² NPWS (2016) Conservation objectives for Dunbeacon Shingle SAC [002280]. Generic Version 5.0. Department of Arts, Heritage, Regional, Rural and Gaeltacht Affairs.

³ NPWS (2016) Conservation objectives for Reen Point Shingle SAC [002281]. Generic Version 5.0. Department of Arts, Heritage, Regional, Rural and Gaeltacht Affairs

	<p>completely natural condition lying behind a stony barrier through which runs an apparently permanent outlet. While this lagoon is small in size, geomorphologically it is a good representative of a sedimentary lagoon with an inlet in almost completely natural condition. As there are only six known examples of this type of lagoon in the country, Farranamanagh Lough is of considerable conservation importance. The shingle barrier also supports a fine example of the community 'perennial vegetation of stony banks'.</p> <p>The Conservation Objectives of this site are⁴</p> <p>To maintain or restore the favourable conservation condition of the Annex I habitat(s) and/or the Annex II species for which the SAC has been selected:</p> <ul style="list-style-type: none"> • Coastal lagoons* • Perennial vegetation of stony banks <p>Sheeps Head to Toe Head SPA (Site Code: 004156) This is a large site situated on the south-west coast of Co. Cork. It encompasses the high coast and sea cliffs from Sheep's Head to Mizen Head, Brow Head and Crookhaven in the west and from Baltimore to Tragumna Bay, Gokane Point and the Toe Head peninsula in the east. The high water mark forms the seaward boundary. The site includes sea cliffs, the land adjacent to the cliff edge and also areas of sand dunes at Barley Cove and Crookhaven. The site supports an important population of breeding Chough and an important population of Peregrine.</p> <p>The Conservation Objectives of this site are:⁵</p> <p>To maintain or restore the favourable conservation condition of the bird species listed as Special Conservation Interests for this SPA:</p> <ul style="list-style-type: none"> • Peregrine <i>Falco peregrinus</i> • Chough <i>Pyrrhocorax pyrrhocorax</i>
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⁴ NPWS (2016) Conservation objectives for Farranamanagh Lough SAC [002189]. Generic Version 5.0. Department of Arts, Heritage, Regional, Rural and Gaeltacht Affairs.

⁵ NPWS (2016) Conservation objectives for Sheep's Head to Toe Head SPA [004156]. Generic Version 5.0. Department of Arts, Heritage, Regional, Rural and Gaeltacht Affairs

Assessment criteria	
<p>Describe the individual elements of the project (either alone or in combination with other plans or projects) likely to give rise to impacts on the Natura 2000 site.</p>	<p>Mussels are cultured using longlines. A long-line supported by a series of small floats joined by a cable or chain and anchored at the bottom on both ends is employed. Mussel spat (seed) is collected on ropes or strings (droppers) are suspended on the line. From each of the lines there are a number of dropper lines (up to 5m in length). The depth of the droppers, which is directly related to the quantity of mussels being cultured, is dependant upon a number of factors including water depth, the floatation provided and the carrying capacity of the system.</p> <p>Seaweed is cultured using longlines supported by floating structures similar to those used for mussel culture.</p> <p>Intertidal culture of <i>C. gigas</i> is carried out in bags on trestles in the intertidal zone. Depending on the size of the stock the numbers of oysters in each bag will vary with lower number in bags with larger oysters. Typically seed is sourced form hatcheries in the UK or France but half-grown oysters, sourced from Ireland or within the EU (typically France) may also be used as stock. Intertidal culture of <i>O. edulis</i> is carried out in tanks or directly on the seabed. Seed is sourced from within Ireland.</p> <p>Urchins are cultured in cage structures in the lower intertidal and subtidal areas or, in the case of suspended culture, are cultured in bins suspended from longlines. They are contained at all times.</p>

<p>Describe any likely direct, indirect or secondary impacts of the project (either alone or in combination with other plans or projects) on the Natura 2000 site by virtue of:</p>	
<p>size and scale;</p>	<p>There are no direct or indirect impacts from the culture operations on the adjacent SACs or SPA</p>
<p>Distance from the Natura 2000 site or key features of the site:</p>	<p>There is no spatial overlap between any of the aquaculture sites and the Natura 2000 sties.</p> <p>Sites T05/196 A & B, T05/439A and T05/466A, in inner Dunmanus Bay are located a minimum of 0.5Km from the nearest boundary of the Dunbeacon Shingle SAC, 3.4Km from the nearest boundary of the Reen Point Shingle SAC, 3.8Km from the nearest boundary of the Sheep's Head SAC and 9.5Km from the nearest boundary of the Farranamanagh Lough SAC.</p> <p>Site T05/473A, also in inner Dunmanus Bay, is located circa 50m from the nearest boundary of the Dunbeacon Shingle SAC, 3.6Km from the nearest boundary of the Reen Point Shingle SAC, 4Km from the nearest boundary of the Sheep's Head SAC and 9.7Km</p>

	<p>from the nearest boundary of the Farranamanagh Lough SAC.</p> <p>Site T05/570A is located circa 500m from the nearest boundary of the Reen Point Shingle SAC, 1 Km from the nearest boundary of the Sheep's Head SAC. 2.6Km from the nearest boundary of the Dunbeacon Shingle SAC and 5.3Km from the nearest boundary of the Farranamanagh Lough SAC.</p> <p>Site T05/590A is located circa 2.2 Km from the nearest boundary of the Sheep's Head SAC, 3Km from the nearest boundary of the Farranamanagh Lough SAC, 4.2Km from the nearest boundary of the Reen Point Shingle SAC, and 5.3Km from the nearest boundary of the Dunbeacon Shingle SAC</p> <p>All sites (both licenced and at application stage) are located a minimum distance of 2.5Km from the nearest boundary of the Sheeps Head to Toe Head SPA.</p>
<p>Resource requirements (water abstraction etc.):</p>	<p>Cultured bivalves (mussels and oysters) are filter feeders and they feed upon suspended particulate matter. They selectively ingest phytoplankton and other organic material (e.g. small zooplankton and bacteria) and dispose of inorganic and larger organic matter in pseudofeces, which is excreted into the water column. Typically the fecal and pseudofecal pellets will fall to the sea floor and may cause localised organic enrichment and/or sedimentation. The level of enrichment is a function of, <i>inter alia</i>, water depth current speed, density of culture, the quantity of suspended particulate matter in the water column, or a combination of these. The build-up of excess organic matter beyond the footprint of the sites is not considered likely. The bivalve shellfish production activities do not use any resources required by the qualifying features within the Natura 2000 sites.</p> <p>Urchin culture is carried out in contained systems and relies on the input of feed (usually seaweed sourced locally). The production of sea urchins does not use any resources required by the qualifying features within the Natura 2000 sites</p> <p>The culture of seaweed is reliant upon ambient nutrient levels in the water column and solar illumination. The production of seaweed does not use any resources required by the qualifying features of adjacent Natura sites.</p>
<p>Emissions (disposal to land, water or air):</p>	<p>The aquaculture sites in Dunmanus Bay are accessed mainly by boats, with other vehicles used as required. As a consequence, noise and pollution e.g. as a result of a fuel spill may present a risk to features of adjoining Natura sites with a specific marine element including the Dunbeacon Shingle SAC, Reen Point Shingle SAC and the Farranamanagh Lough SAC . The risks are, however, not considered significant at current levels of aquaculture activity. It is considered that impacts would be localised and minor. Also, licence conditions specify that vessels and vehicles used in the conduct of aquaculture operations must maintain strict operation and safety standards, such that risks associated with noise, spills and emissions are minimised and/or mitigated.</p>

	<p>The risk of the introduction of non-native species is considered to be low given that the main species produced in the bay i.e. mussels (<i>M. edulis</i>), sea urchins (<i>P. lividus</i>), oysters (<i>O. edulis</i>) and seaweeds (<i>Laminaria saccharina</i>, <i>Laminara digitata</i> <i>Alaria</i> and <i>Palmaria palmata</i>) are all native species and seed is sourced within Ireland. The risk of the transfer of non-native species with hatchery seed of <i>C. gigas</i> is also not considered to be significant. The use of half-grown oysters from outside the State as a source of stock has the potential to result in the introduction of non-native species into the bay. Adoption of industry best practice and implementation of measures set out in relevant guidelines as they relate to the risk of introduction of non-target species (e.g. Invasive Species Ireland guideline available at http://invasivespeciesireland.com/biosecurity/aquaculture/) would also significantly reduce the risk.</p>
Excavation requirements:	There are no excavation or similar activities associated with the aquaculture activity
Transportation requirements:	Access routes to the aquaculture sites do not spatially overlap with any of the adjacent Natura 2000 sites. The produced aquaculture products are transported offsite by lorry using the existing national road network with no impact on the adjoining Natura 2000 sites.
Duration of construction, operation, decommissioning:	None
Other:	The use of half-grown oysters from outside Dunmanus Bay as a source of stock has the potential to result in the introduction of non-native species into the bay. The non-native sea squirt <i>Didemnum vexillum</i> has been recorded in inner Dunmanus Bay but the exact source of this species has not been identified.

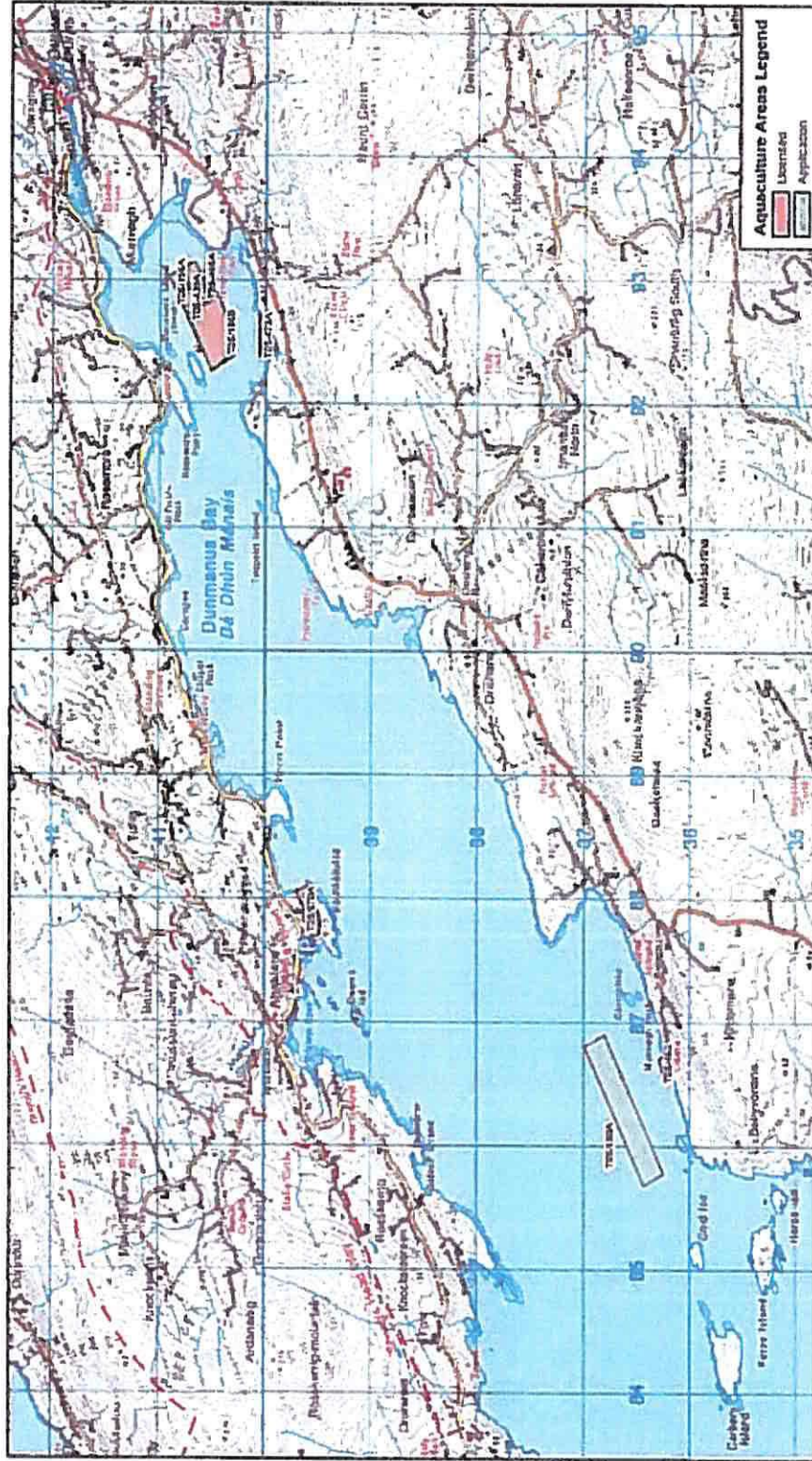
Describe any likely changes to the site arising as a result of:	
Reduction of habitat area:	There is no reduction in habitat area within any of the Natura 2000 sites considered arising from the aquaculture production activities.
Disturbance to key species:	Given the separation distance of the production sites from the adjacent Natura 2000 sites and the absence of any clear "source – pathway – receptor" there will be no disturbance to key species within any Natura 2000 sites. There is no evidence in the scientific literature to suggest that aquaculture activities impact on the bird species listed as in the SPAs, i.e., Chough, and Peregrine..
Habitat or species fragmentation:	There is no habitat or species fragmentation within the Natura 2000 sites arising from the aquaculture production activities.
Reduction in species density:	There is no reduction in species density within the Natura 2000 sites arising from the aquaculture production activities.

Changes in key indicators of conservation value (water quality):	There are no changes in key indicators of conservation value within the Natura 2000 sites arising from the aquaculture production activities.
Climate change:	Given the nature and scale of the aquaculture production activities the contribution to climate change is considered insignificant.

Describe any likely impacts on the Natura 2000 site as a whole in term of;	
Interference with the key relationships that define the structure of the site:	None of the activities associated with the shellfish and seaweed production in Dunmanus Bay will interfere with the key relationships that define the structure of the adjacent Natura 2000 sites.
Interference with the key relationships that define the function of the site	None of the activities associated with the shellfish and seaweed production in Dunmanus Bay will interfere with the key relationships that define the function of the adjacent Natura 2000 sites.
Provide indicators of significance as a result of the identification of effects set out above in terms of:	
Loss	None identified
Fragmentation:	None identified
Disruption:	None identified
Disturbance:	None identified
Change to key elements of the site (e.g. water quality etc.):	None identified
Describe from the above those elements of the project or plan, or combination of elements, where the above impacts are likely to be significant or where the scale or magnitude of impacts is not known.	None identified

Finding of no significance effect report:	
Name of project or plan:	Aquaculture activities in Dunmanus Bay, Co. Cork.
Name and location of Natura 2000 site It would be helpful for a map or plan to be provided:	Sheep's Head SAC (Site code: 000102), Dunbeacon Shingle SAC (Site Code 002280), Reen Point Shingle SAC (Site Code 002281), Farranamanagh Lough SAC (Site Code 002189) and the Sheeps Head to Toe Head SPA (Site Code: 004156) – See Figure 2.
Description of the project or plan	Shellfish and seaweed culture activity in Dunmanus Bay, Co. Cork.
Is the project or plan directly connected with or necessary to the management of the site (provide details)?	No.
Are there other projects or plans that together with the project or plan being assessed could affect the site (provide details)?	No.
Describe how the project or plan (alone or in combination) is likely to affect the Natura 2000 site.	The cultivation of shellfish and seaweeds in Dunmanus Bay is not likely to affect the features of adjoining Natura 2000 sites.
Explain why these effects are not considered significant.	<p>There is no spatial overlap of the aquaculture activities with Natura sites. In addition, there would be no interference with key relationships that define the function of the sites. The culture activities will not result in habitat loss, there will not be significant disturbance to key species and there will be no habitat or species fragmentation. There will be no direct discharge of pollutants into the environment and water quality will not be affected. Consequently, it is concluded that the culture of shellfish and seaweed, as it is currently constituted and proposed, in Dunmanus Bay does not pose significant risk to the conservation features of the adjacent sites and as such does not require a full appropriate assessment.</p> <p>On the basis of the above it is considered that there will be no significant effects on the qualifying feature / interests' of the Natura 2000 sites.</p>
Who carried out the assessment?	Marine Institute, July 2017

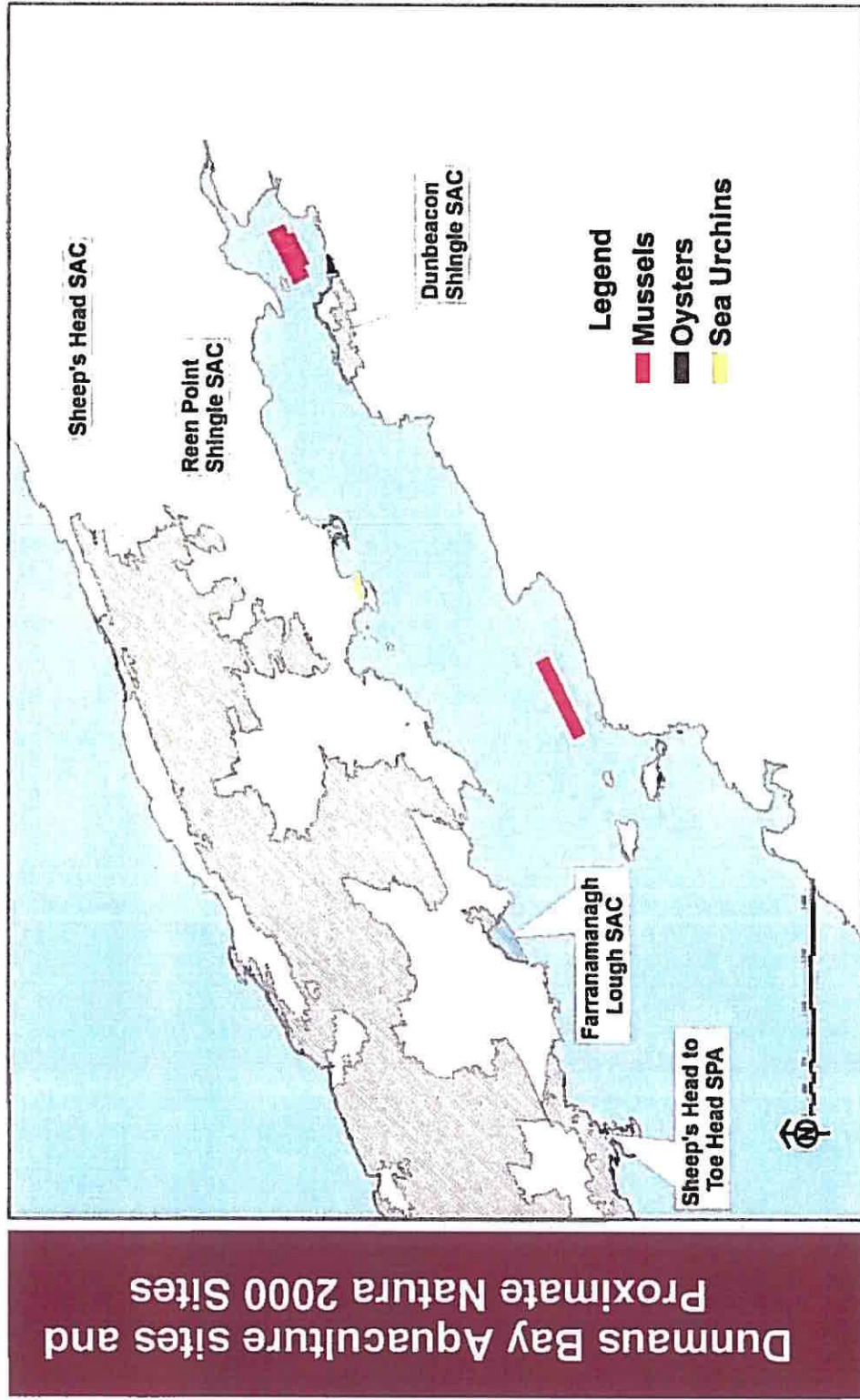
Figure 1. Aquaculture Sites in Dunmanus Bay



Drawn by Gearoid O'Shea B. Eng
 Date: 18 August 2015
 Scale 1:30,000

Aquaculture Areas,
 Dunmanus Bay, County Cork
Approved under the Aquaculture Act 2001
 Copyright 2015 Gearoid O'Shea B. Eng

Figure 2. Location of Natura 2000 sites adjacent to aquaculture sites in Dunmanus Bay



d)

Marine Engineering Division Report on Aquaculture Licence Application
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Application Reference No: T05/590A

Date: 30 June 2017

Applicant: Dunmanus Bay Mussels Ltd.

Location: Coulagh Bay, Kenmare Bay, County Cork

Applicant Type: Aquaculture/Foreshore Licence

Site:

A

Site Area (Ha):

26.25

Species: Mussels (*Mytilus Edulis*)

Cultivation Method: Floating Longlines

Intertidal/Non-Intertidal: Non-Intertidal

Source of Seed / Spat: Natural Spat Collection on Stockings

Annual Production Estimates: 250 tonnes

Shellfish Waters Designation Reference: Yes No

Environmental Designation Reference: Yes No

Development Plans Reference: Yes No
Cork County Development Plan 2014, Section 6.11

Pre-Consultation Meeting: Yes No

Drawing Validation Sheet

OSI Maps	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>				
Comment:								
BA Chart	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>				
Comment:								
Farm Layout Drawing	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>				
	Directional Arrow			Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>	
	Scale			Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>	
	Title Block			Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>	
	Date			Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>	
Comment:								
Drawings of structures	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>				
Comment:								
Details of Proposed Navigation Marking	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>				
Comment:								
Site Access Indicated	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>				
Comment:	Durrus Pier							
Site Co-Ordinates Indicated	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>				
Comment:								
Site Overlap	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>				
Comment:	Previous application T5/503 by Dunmanus Bay Mussels Ltd.							
Oyster Fishery Order Overlap	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>				
Comment:								

The application is submitted with each of the requirements listed and is therefore deemed to be a valid application.

AFMD should be aware that insufficient details have been submitted as per above.

Site Suitability Assessment

Site Location

The site is located at Outer Dunmanus Bay, Co. Cork. The site is partially sheltered by Carbery Island and Furze Island located to the south west. The applicant proposes to access the site by boat from Durrus Pier. The applicant already utilizes Durrus Pier to access licensed sites at Inner Dunmanus Bay. The adjacent stretches of roadways are designated as scenic routes (S106, S107 & S108) and the site is also adjacent to very high value scenic landscapes (Cork County Development Plan 2014).

Proposed Site Layout and Structures

The applicant previously submitted an application at the relevant location (T5/503) which was granted by the Department but refused by the Aquaculture Licence Appeals Board.

The current application proposes to install 18 No. 220m length single headrope mussel longlines in 3 blocks of 6 No. longlines. Single headrope longlines are less visually intrusive than double headrope longlines utilised in more sheltered sites.

The proposed site layout will not cause an obstruction or nuisance. The proposed layout adheres to best practice guidelines.

The flotation barrels should be battleship grey in colour. Each floating mussel longline should not be longer 220 metres in length. A maximum of 18 No. mussel longlines be permitted within the proposed site.

Land Based Facilities / Site Access

Site access is by boat from the nearby Durrus Pier. It is a working pier used by mussel farmers and inshore fishermen.

Navigation

Navigation marks are proposed to be installed at each of the 4 corners of the site. The MSO should be consulted regarding providing a safe system of navigation for all marine users.

Visual Impact

The adjacent stretches of roadways are designated as scenic routes (S106, S107 & S108) and the site is also adjacent to very high value scenic landscapes (Cork County Development Plan 2014). The roadway is also a part of the Wild Atlantic Way, a coastal tourism route along the west coast of Ireland.

I visited the relevant site on 13th of April following the applicant installing 4 No. brightly coloured buoys at the four corners of the proposed site area. In general, views of the mussel longline sites are obscured and limited from the scenic routes.

The main visual impact will be observed from adjacent local holiday accommodation overlooking the site from elevated locations on the south shore of Dunmanus Bay.

The proposed farm layout and type of structures adhere to the best practices outlined in the Guidelines for Landscape and Visual Impact Assessment of Marine Aquaculture, 2001.

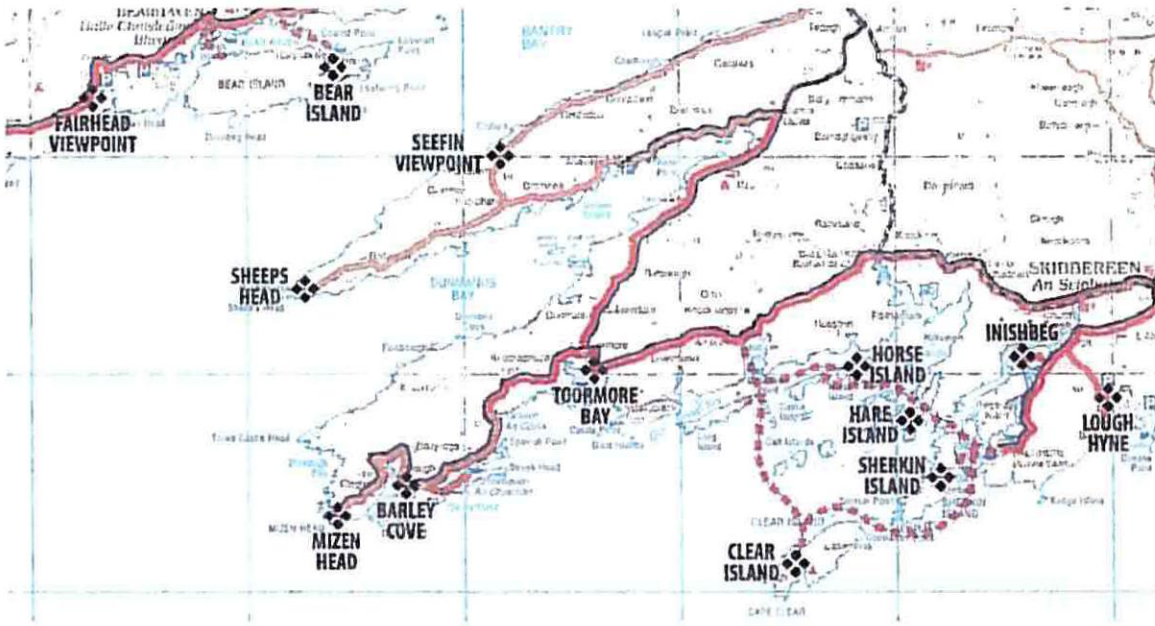
Recommendation / Comments

In general, views of the mussel longline site are obscured and limited from the scenic routes. Visual impacts will be highest for the adjacent local holiday accommodation overlooking the site from the south side of Dunmanus Bay.

Marine Engineering Division has no objection to this application proceeding.

Signed: *Gearoid O'Shea*
Gearoid O'Shea,
Engineer

Date: 18 July 2017



Wild Atlantic Way Route Map

McDonald, Bernie

From: OShea, Gearoid
Sent: 05 March 2018 16:25
To: McDonald, Bernie
Subject: T5-590, Dunmanus Bay Mussels, Dunmanus Bay, Co. Cork - Public Submissions

Bernie,

I read the public submissions regarding the above proposed development and associated response from the applicants agent.

The main issues and MED responses are outlined below:

Impact on Inshore Fisherman

BIM should be asked to comment on this issue.

Overly Exposed

The applicant proposes to use single headrope mussel longlines. This type of mussel longline is more suited to relatively exposed locations. The site is partially sheltered by Carbery Island and Furze Island located to the south west.

Benthic Impact

MI should be asked to comment on this issue.

Marine Mammal Entanglement

I am not aware of evidence of marine mammal entanglement in floating mussel longlines farms being an issue.

Negative Visual Impact

In my opinion, the sketches submitted by the appellants are a poor visual representation of the proposed development.

The main visual impact will be observed from adjacent local holiday accommodation overlooking the site from elevated locations on the south shore of Dunmanus Bay. The structures will not be visible from Ahakista on the other side of Dunmanus Bay.

The proposed farm layout and type of structures adhere to the best practices outlined in the Guidelines for Landscape and Visual Impact Assessment of Marine Aquaculture, 2001.

Pollution

The applicant will be required to operate the site within the licence conditions and to a standard of best practice.

Local Bathing Area

In my opinion, the proposed site will not affect bathing waters in this area.

Tourism

In general, views of the mussel longline site are obscured and limited from the scenic routes.

The main visual impact will be observed from adjacent local holiday accommodation overlooking the site from elevated locations on the south shore of Dunmanus Bay. The structures will not be visible from Ahakista on the other side of Dunmanus Bay.

The proposed farm layout and type of structures adhere to the best practices outlined in the Guidelines for Landscape and Visual Impact Assessment of Marine Aquaculture, 2001.

Navigational Hazard

The MSO should be consulted regarding providing a safe system of navigation for all marine users.

Flushing Rate

In my opinion, there is no evidence that flushing rates are an issue at this location.

I have no objection to the licence application proceeding.

Regards,

Gearóid

Gearóid O'Shea

Engineer, Marine Engineering Division

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

Pointe Uí Rinn, Cathair Uí Mhóráin, Trá Lí, Co. Chiarraí, V92 X2TK
Reen Point, Blennerville, Tralee, Co. Kerry, V92 X2TK

—
M +353 (0)87 2164392 T +353 (0)66 7149340
www.agriculture.gov.ie

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Marine Institute
Foras na Mara

Wilton Park House
Wilton Terrace
Dublin 2

Tel: 091 387200

Date: 20 November 2017

John Coakley
Aquaculture and Foreshore Management Division
Department of Agriculture, Food and the Marine
Clogheen,
Clonakilty
Co. Cork.

Advice on Aquaculture Licence Application

Applicant	Dunmanus Bay Mussels Ltd
Application type	New
Site Reference No	T05/590
Species	Mussels (<i>M. edulis</i>) using longlines
Site Status	Not located within a Natura 2000 site Not located within a designated Shellfish Growing Water Area

Dear John

This is an application for an aquaculture licence for the production of mussels (*M. edulis*) using longlines at Site T05/590A on the foreshore in Dunmanus Bay, Co. Cork. The area of foreshore at Site T05/196A is 26.3 Ha.

No chemicals or hazardous substances will be used during the production process.

The cultivation of shellfish at this site will produce faeces and pseudofaeces. Any impact will be limited to the area beneath the longlines and trestles. The build-up of excess organic matter beyond the footprint of the site is not considered likely.

T05/590A is not located within a designated Shellfish Growing Water Area. It is recommended that the implications of licencing a site that is not located within a designated Shellfish Growing Water Area should be fully considered by DAFM as part of the licence determination process.

Under Annex II of EU Regulation 854/2004 mussels in Dunmanus Bay have a "B" Classification.

It is intended that mussel seed stock for the site will be sourced from natural spat settlement and the Marine Institute understands that the spat will be collected locally. In order to be able to assess and manage the potential risk of the introduction of alien species the MI recommends that the initial source of seed and other sources which may be used at any point in the future should be approved by the Minister. This approval should be a specific condition of any licence that may issue. It should be noted that the control of alien species is a separate issue to the control of diseases in the context of the current Fish Health legislation.

Notwithstanding the recommendation outlined above, and in the event that an Aquaculture Licence is granted, the movement of stock in and out of the site should follow best practice guidelines as they relate to the risk of introduction of non-target species (e.g. [Invasive Species Ireland](#)). In this regard it is recommended that, prior to the commencement of operations at the site, the applicant be required to draw up a contingency plan, for the approval of DAFM, which shall identify, *inter alia*, methods for the removal from the environment of any non-target species introduced as a result of operations at this site. If such an event occurs, the contingency plan shall be implemented immediately.

In the event that alien species are introduced into a site as a result of aquaculture activity the impacts may be bay -wide and thus affect other aquaculture operators in the bay. In this regard, therefore, the Marine Institute considers that the

CLAMS process may be a useful and appropriate vehicle for the development and implementation of alien species management and control plans.

Site T05/590A is not located within a Natura 2000 site. The Site is adjacent to (within 15Km) the Sheeps Head SAC (Site code 000102) the Sheeps Head to Toe Head SPA (Site Code 004156), Dunbeacon Shingle SAC (Site Code 002280), Reen Point Shingle SAC (Site Code 002281) and the Farranamanagh Lough SAC (Site Code 002189). In August 2017 the Marine Institute provided advice to DAFM¹ and concluded that the culture of shellfish and seaweed, as it is currently constituted and proposed, in Dunmanus Bay does not pose a significant risk to the conservation features of the adjacent Natura 2000 sites and as such does not require a full appropriate assessment.

On the basis of the above the Marine Institute has no objections to a licence being granted for this site.


It is statutory requirement that a Fish Health Authorisation, as required under Council Directive 2006/88/EC be in place prior to the commencement of the aquaculture activities proposed.


Kind regards,





Dr. Terry McMahon
Section Manager, Marine Environment and Food Safety Services,
The Marine Institute.



Shellfish Waters Directive Area


Aquaculture Site


Special Area of Conservation


Special Protection Areas


¹ Appropriate Assessment Screening for Aquaculture activities in Dunmanus Bay, Co. Cork, Marine Institute, 2017

http://agriculture.gov.ie/media/migration/seafood/aquacultureforeshoremanagement/aquaculturelicensing/appropriateassessments/cork/AA_Screening_Aquaculture_Activities_Dunmanus_Bay_170817.pdf

f)

Coakley, John

From: Coakley, John
Sent: 11 October 2017 10:27
To: 'planning@faillteireland.ie'
Subject: Applications T5/473A & T5/590A
Attachments: Fáilte Ireland.pdf

Please see attached letter in respect of above application.

I would be grateful for any observations you wish to make on the above proposals, which must be submitted within six weeks from the date of notification. As this correspondence is being sent by e-mail, the date of the e-mail is treated as the date of notification. In the event that observations are submitted by you, the applicant will be given an opportunity to comment thereon.

Details of the application and all other documentation may be viewed on the Department's website at:

<https://www.dacounty.ie/Seafood/aquacultureforeshoremanagement/aquaculture/referrals/aquacultureforeshorelicences/applications/cork/>

John Coakley
Aquaculture & Foreshore Management Division
National Seafood Centre
Clonakilty
Co. Cork
P85TX47

Email: john.coakley@dairegion.gov.ie
Phone: 023-8859530

10/10/2017

Our Ref: T5/590A

**The Secretary
Fáilte Ireland
Environment Unit
88-95 Amiens Street
Dublin 1**

**Application for an Aquaculture Licence for a site in Dunmanus Bay- Dunmanus
Bay Mussels Ltd**

Dear Secretary

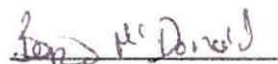
In accordance with Section 10 of the Aquaculture (Licence Application) Regulations, 1998 (SI No. 236 of 1998), you are hereby notified that this Department has received an application for permission to cultivate mussels using longlines on an area of foreshore in Dunmanus Bay, Co Cork.

Details of the application and all other relevant documentation may be viewed on the Department's website at:

<https://www.agriculture.gov.ie/seafood/aquacultureforeshoremanagement/aquaculturelicensing/aquacultureforeshorelicenceapplications/cork/>

I would be grateful for any observations you wish to make on the above proposals which must be submitted **within six weeks** from the date of this letter. In the event that objections are lodged in this matter by you, the applicants will be given an opportunity to comment thereon.

Yours sincerely



Bernie McDonald
Aquaculture and Foreshore Management Division
National Seafood Centre
Clonakilty
Co. Cork
P85 TX47

Ph. (023) 8859538 : Email. Bernie.McDonald@agriculture.gov.ie

Coakley, John

From: Coakley, John
Sent: 10 October 2017 15:34
To: 'Dallaghan, Ben'; 'ocarroll@bim.ie'; 'murphym@bim.ie'
Subject: Applications T5/473A & T5/590A
Attachments: BIM.pdf

Please see attached letter in respect of above application.

I would be grateful for any observations you wish to make on the above proposals, which must be submitted within six weeks from the date of notification. As this correspondence is being sent by e-mail, the date of the e-mail is treated as the date of notification. In the event that observations are submitted by you, the applicant will be given an opportunity to comment thereon.

Details of the application and all other documentation may be viewed on the Department's website at:

<https://www.aquaculture.gov.ie/seafood/aquacultureforeshoremanagement/aquaculturelicensing/aquacultureforeshorelicenceapplications/cork/>

John Coakley
Aquaculture & Foreshore Management Division
National Seafood Centre
Clonakilty
Co. Cork
P85TX47

Email: john.coakley@aquaculture.gov.ie
Phone: 023-8859530

COPY



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

10th October 2017

Our Ref: T5/590A

**The Secretary
Bord Iascaigh Mhara
P.O. Box 12
Crofton Road
Dun Laoghaire
Co. Dublin**

Application for an Aquaculture Licence for a site in Dunmanus Bay- Dunmanus Bay Mussels Ltd

Dear Secretary

In accordance with Section 10 of the Aquaculture (Licence Application) Regulations, 1998 (SI No. 236 of 1998), you are hereby notified that this Department has received an application for permission to cultivate mussels using longlines on an area of foreshore in Dunmanus Bay, Co Cork on an area of foreshore in Dunmanus Bay, Co Cork.

Details of the application and all other relevant documentation may be viewed on the Department's website at:

<https://www.agriculture.gov.ie/seafood/aquacultureforeshoremanagement/aquaculturelicensing/aquacultureforeshorelicenceapplications/cork/>

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Yours sincerely

Bernie McDonald
Aquaculture and Foreshore Management Division
National Seafood Centre
Clonakilty
Co. Cork
P85 TX47

Ph. (023) 8859538 : Email. Bernie.McDonald@agriculture.gov.ie

Coakley, John

From: Coakley, John
Sent: 11 October 2017 11:05
To: 'fem.dau@ahg.gov.ie'
Subject: Application to DAHRR & GA
Attachments: DAHRR & GA.pdf

Please see attached letter in respect of above application.

I would be grateful for any observations you wish to make on the above proposals, which must be submitted within six weeks from the date of notification. As this correspondence is being sent by e-mail, the date of the e-mail is treated as the date of notification. In the event that observations are submitted by you, the applicant will be given an opportunity to comment thereon.

Details of the application and all other documentation may be viewed on the Department's website at:

<https://www.aquaculture.gov.ie/seafood/aquacultureforeshoremanagement/aquaculturelicensing/aquacultureforeshorelicensingapplications/cork/>

John Coakley
Aquaculture & Foreshore Management Division
National Seafood Centre
Clonakilty
Co. Cork
P85TX47

Email: john.coakley@aquaculture.gov.ie
Phone: 023-8859530

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

10/10/2017

Our Ref: T5/590A

**The Manager
Development Applications Unit
Dept. of Arts, Heritage & The Gaeltacht
Newtown Road
Wexford**

**Application for an Aquaculture Licence for a site in Dunmanus Bay– Dunmanus
Bay Mussels Ltd**

Dear Manager

In accordance with Section 10 of the Aquaculture (Licence Application) Regulations, 1998 (SI No. 236 of 1998), you are hereby notified that this Department has received an application for permission to cultivate mussels using longlines on an area of foreshore in Dunmanus Bay, Co Cork.

<https://www.agriculture.gov.ie/seafood/aquacultureforeshoremanagement/aquaculturelicensing/aquacultureforeshorelicenceapplications/cork/>

Details of the application and all other relevant documentation may be viewed on the Department's website at:

I would be grateful for any observations you wish to make on the above proposals which must be submitted **within six weeks** from the date of this letter. In the event that objections are lodged in this matter by you, the applicants will be given an opportunity to comment thereon.

Yours sincerely

Bernie McDonald
Aquaculture and Foreshore Management Division
National Seafood Centre
Clonakilty
Co. Cork
P85 TX47

Ph. (023) 8859538 : Email. Bernie.McDonald@agriculture.gov.ie

Coakley, John

From: Coakley, John
Sent: 11 October 2017 12:19
To: 'Natural Environment Office'
Subject: Application to An Taisce
Attachments: An Taisce.pdf

Please see attached letter in respect of above application.

I would be grateful for any observations you wish to make on the above proposals, which must be submitted within six weeks from the date of notification. As this correspondence is being sent by e-mail, the date of the e-mail is treated as the date of notification. In the event that observations are submitted by you, the applicant will be given an opportunity to comment thereon.

Details of the application and all other documentation may be viewed on the Department's website at:

<https://www.agriculture.gov.ie/seafood/aquaculture/foreshore-management/aquaculture-licensing/aquaculture-foreshore-management-applications/cork/>

John Coakley
Aquaculture & Foreshore Management Division
National Seafood Centre
Clonakilty
Co. Cork
P85TX47

Email: john.coakley@agriculture.gov.ie
Phone: 023-8859530

COPY



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

10th October 2017

**Our Ref: T5/590A
The Secretary
An Taisce-National Trust of Ireland
The Tailor's Hall
Back Lane
Dublin 8**

**Application for an Aquaculture Licence for a site in Dunmanus Bay– Dunmanus
Bay Mussels Ltd**

Dear Secretary

In accordance with Section 10 of the Aquaculture (Licence Application) Regulations, 1998 (SI No. 236 of 1998), you are hereby notified that this Department has received an application for permission to cultivate mussels using longlines on an area of foreshore in Dunmanus Bay, Co Cork.

Details of the application and all other relevant documentation may be viewed on the Department's website at:

<https://www.agriculture.gov.ie/seafood/aquacultureforeshoremanagement/aquaculturelicensing/aquacultureforeshorelicenceapplications/cork/>

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Yours sincerely

Bernie McDonald
Aquaculture and Foreshore Management Division
National Seafood Centre
Clonakilty
Co. Cork
P85 TX47

Ph. (023) 8859538 : Email. Bernie.McDonald@agriculture.gov.ie

Coakley, John

From: Coakley, John
Sent: 11 October 2017 12:31
To: 'dosenvironment@corkcoco.ie'
Subject: Applications to Cork County Council
Attachments: Cork County Council.pdf

Please see attached letter in respect of above applications.

I would be grateful for any observations you wish to make on the above proposals, which must be submitted within six weeks from the date of notification. As this correspondence is being sent by e-mail, the date of the e-mail is treated as the date of notification. In the event that observations are submitted by you, the applicant will be given an opportunity to comment thereon.

Details of the application and all other documentation may be viewed on the Department's website at:

<https://www.agriculture.gov.ie/seafood/aquaculture/foreshore-management/aquaculture/central/act/aquaculture/central/act/applications/cork/>

John Coakley
Aquaculture & Foreshore Management Division
National Seafood Centre
Clonakilty
Co. Cork
P85TX47

Email: j.coakley@agriculture.gov.ie
Phone: 023-8859530

10th October 2017

Our Ref: T5/590A

**The Secretary
Cork County Council
County Hall
Carrigrohane Road
Cork**

**Application for an Aquaculture Licence for a site in Dunmanus Bay– Dunmanus
Bay Mussels Ltd**

Dear Secretary

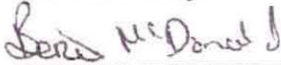
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I would be grateful for any observations you wish to make on the above proposals which must be submitted **within six weeks** from the date of this letter. In the event that objections are lodged in this matter by you, the applicants will be given an opportunity to comment thereon.

Yours sincerely



Bernie McDonald
Aquaculture and Foreshore Management Division
National Seafood Centre
Clonakilty
Co. Cork
P85 TX47

Ph. (023) 8859538 : Email. Bernie.McDonald@agriculture.gov.ie

Coakley, John

From: Coakley, John
Sent: 11 October 2017 14:30
To: 'spatialplanning@water.ie'
Subject: Applications to Irish Water
Attachments: Irish Water.pdf

Please see attached letter in respect of above applications.

I would be grateful for any observations you wish to make on the above proposals, which must be submitted within six weeks from the date of notification. As this correspondence is being sent by e-mail, the date of the e-mail is treated as the date of notification. In the event that observations are submitted by you, the applicant will be given an opportunity to comment thereon.

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<https://www.agriculture.gov.ie/seafood/aquacultureforeshoremanagement/aquaculture/censine/aquacultureforeshorelicenceapplications/cork/>

John Coakley
Aquaculture & Foreshore Management Division
National Seafood Centre
Clonakilty
Co. Cork
P85TX47

Email: john.coakley@agriculture.gov.ie

Phone: 023-8859530

10th October 2017

My Ref: T5/590A

Spatial Planning Section
Irish Water
Colvill House
26 Talbot Street
Dublin 1.

Application for an Aquaculture Licence for a site in Dunmanus Bay, Co Cork

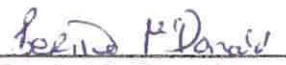
To whom it may concern,

The Department of Agriculture, Food and the Marine has received an application from Dunmanus Bay Mussels Ltd for permission to cultivate mussels using longlines on an area of foreshore in Dunmanus Bay, Co Cork.

Details of the application and all other relevant documentation may be viewed on the Department's website at:
<https://www.agriculture.gov.ie/seafood/aquacultureforeshoremanagement/aquaculturelicensing/aquacultureforeshorelicenceapplications/cork/>

I would be grateful for any observations you wish to make on the above proposals, which must be submitted **within six weeks** from the date of notification. As this correspondence is being sent by e-mail, the date of the e-mail is treated as the date of notification. In the event that observations are submitted by you, the applicant will be given an opportunity to comment thereon.

Yours sincerely,


Bernie Mc Donald
Aquaculture and Foreshore Management Division
National Seafood Centre
Clonakilty
Co. Cork
P85 TX47
Ph. (023) 8859536 Email. Bernie.McDonald@agriculture.gov.ie

10th October 2017

Our Ref: T5/590A

**Mr Danny O'Brien
Foreshore Section
Department of Environment Community & Local Government
Newtown Road
Wexford**

**Application for an Aquaculture Licence for a site in Dunmanus Bay- Dunmanus
Bay Mussels Ltd**

Dear Mr O' Brien

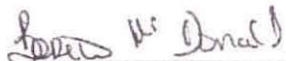
In accordance with Section 10 of the Aquaculture (Licence Application) Regulations, 1998 (SI No. 236 of 1998), you are hereby notified that this Department has received an application for permission to cultivate mussels using longlines on an area of foreshore in Dunmanus Bay, Co Cork.

Details of the application and all other relevant documentation may be viewed on the Department's website at:

<https://www.agriculture.gov.ie/seafood/aquacultureforeshoremanagement/aquaculturelicensing/aquacultureforeshorelicenceapplications/cork/>

I would be grateful for any observations you wish to make on the above proposals which must be submitted **within six weeks** from the date of this letter. In the event that objections are lodged in this matter by you, the applicants will be given an opportunity to comment thereon.

Yours sincerely



Bernie McDonald
Aquaculture and Foreshore Management Division
National Seafood Centre
Clonakilty
Co. Cork
P85 TX47

Ph. (023) 8859538 : Email. Bernie.McDonald@agriculture.gov.ie

Coakley, John

From: Coakley, John
Sent: 11 October 2017 14:54
To: 'foreshore@housing.gov.ie'
Subject: Application T5-590A to DHPCLG
Attachments: T5-590A to DHPCLG.pdf

Please see attached letter in respect of above application.

I would be grateful for any observations you wish to make on the above proposals, which must be submitted within six weeks from the date of notification. As this correspondence is being sent by e-mail, the date of the e-mail is treated as the date of notification. In the event that observations are submitted by you, the applicant will be given an opportunity to comment thereon.

Details of the application and all other documentation may be viewed on the Department's website at:

<https://www.agriculture.gov.ie/seafood/aquacultureforeshoremanagement/aquaculturelicensing/aquacultureforeshorelicenceapplications/cork/>

John Coakley
Aquaculture & Foreshore Management Division
National Seafood Centre
Clonakilty
Co. Cork
P85TX47

Email: john.coakley@agriculture.gov.ie
Phone: 023-8859530

COPY



10th October 2017

Our Ref: T5/590A

Mr Danny O'Brien
Foreshore Section
Department of Environment Community & Local Government
Newtown Road
Wexford

Application for an Aquaculture Licence for a site in Dunmanus Bay– Dunmanus Bay Mussels Ltd

Dear Sir

In accordance with Section 3 of the Foreshore Act 1933, you are hereby notified that this Department has received an application for permission to cultivate mussels using longlines on an area of foreshore in Dunmanus Bay, Co Cork.

Details of the application and all other relevant documentation may be viewed on the Department's website at:

<https://www.agriculture.gov.ie/seafood/aquacultureforeshoremanagement/aquaculturelicensing/aquacultureforeshorelicenceapplications/cork/>

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Yours sincerely

Deirdre O'Flynn

Deirdre O'Flynn
Foreshore Co-ordination Unit
Ph. (023) 8859529
Email: Deirdre.OFlynn@agriculture.gov.ie

Coakley, John

From: Coakley, John
Sent: 10 October 2017 15:18
To: 'mary.larkin@fisheriesireland.ie'
Subject: Re: Applications T5 473A and T5 590A

Hi Mary,

I've sent you a copy of the letter in respect of the applications you submitted.

Regards

John

Please see attached letter in respect of application T5 473A and T5 590A.

I would be grateful for any observations you wish to make on the above proposals, which must be submitted within six weeks from the date of notification. As this correspondence is being sent by e-mail, the date of the e-mail is treated as the date of notification. In the event that observations are submitted by you, the applicant will be given an opportunity to comment thereon.

Details of the application and all other documentation may be viewed on the Department's website at:

<http://www.fisheriesireland.ie/foia/foia-requests/foia-requests-2017-2018>

Regards

Bernie Mc Donald

Aquaculture & Foreshore Management Division
Department of Agriculture, Food & the Marine
National Seafood Centre

Clonakilty

Co Cork

P85 TX47

phone no 023/8859538 fax023/8821782

COPY



Department of
**Agriculture,
Food and the Marine**

An Roinn
**Talmhaíochta,
Bia agus Mara**

10th October 2017

Our Ref: T5/590A

Mary Larkin
Inland Fisheries Ireland
The Weir Lodge
Earl's Island
Co. Galway

Application for an Aquaculture Licence for a site in Dunmanus Bay- Dunmanus Bay Mussels Ltd

Dear Sir/Madam

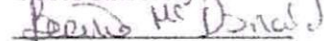
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Yours sincerely



Bernie McDonald

Aquaculture and Foreshore Management Division
National Seafood Centre
Clonakilty
Co. Cork
P85 TX47

Ph. (023) 8859538 : Email. Bernie.McDonald@agriculture.gov.ie

Coakley, John

From: Coakley, John
Sent: 10 October 2017 15:20
To: 'terry.mcmahon@marine.ie'
Subject: FW: Applications T5/473A & T5/590A
Attachments: Marine Institute.pdf

From: Coakley, John
Sent: 10 October 2017 12:19
To: 'terry.mcmahon@marine.ie'
Subject: Applications T5/473A & T5/590A

Please see attached letter in respect of above applications.

I would be grateful for any observations you wish to make on the above proposals, which must be submitted within six weeks from the date of notification. As this correspondence is being sent by e-mail, the date of the e-mail is treated as the date of notification. In the event that observations are submitted by you, the applicant will be given an opportunity to comment thereon.

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<https://www.agriculture.gov.ie/seafood/aquacultureforeshoremanagement/aquaculturelicensing/aquacultureforeshorelicencesapplications/cork/>

John Coakley
Aquaculture & Foreshore Management Division
National Seafood Centre
Clonakilty
Co. Cork
P85TX47

Email john.coakley@marine.ie
Phone: 023-8859530

COPY



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

10th October 2017

Our Ref: T5/590A

**Mr Terry McMahon
The Marine Institute
Wilton Park House
Wilton Place
Dublin 2**

**Application for an Aquaculture Licence for a site in Dunmanus Bay– Dunmanus
Bay Mussels Ltd**

Dear Sir/Madam

In accordance with Section 10 of the Aquaculture (Licence Application) Regulations, 1998 (SI No. 236 of 1998), you are hereby notified that this Department has received an application for permission to cultivate mussels using longlines on an area of foreshore in Dunmanus Bay, Co Cork.

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Yours sincerely

Bernie McDonald

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National Seafood Centre
Clonakilty
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