

15/11/2017

To ALAB

File Ref: See Attached Table

NOTIFICATION OF MINISTER'S DECISION <u>TO GRANT AND TO REFUSE</u> <u>TO GRANT</u> AN AQUACULTURE LICENCE AND A FORESHORE LICENCE.

Dear Ms O'Hara,

I enclose a copy of the Notice of the Minister's Decision to grant and to refuse to grant an Aquaculture Licence to: see attached table which will be advertised in the "Donegal Democrat "on Thursday the 23rd of November 2017.

Yours sincerely,

Eileen Maher
Aquaculture and Foreshore Management Division
Department of Agriculture Food and the Marine
National Seafood Centre
Clonakilty, Co Cork
EileenM.Maher@agriculture.gov.ie
Tel No:0238859505



Reference Number	Name	Species	Decision
T12/227	Alan & Cara Byrne		
	Drumcorbit	Pacific Oysters	Grant Licence
	Malin		
	Co.Donegal		
T12/369	Edward Ivers		
	Misty Hills	Pacific Oysters	Grant Licence
	Dunaff		
	Clonmany		
•	Co.Donegal		
T12/360	Patrick McDaid		
1	Glasha	Pacific Oysters	Grant Licence
	Carndonagh		
	Co.Donegal		
	Barr Oysters Ltd,		
T12/434	Michael Barr,	Pacific Oysters	Refuse Licence
	Foyle Water View,		
	Ballymacarthur,		
	Greencastle		
	Co.Donegal		
	Michael & Eunan		
T12/475	McLaughlin	Pacific Oysters	Refuse Licence
•	Keenaglug		,
	Carndonagh,		
	Co.Donegal		***



Call 074 97 40160

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Planning Notices

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under Pl. Ref. 1855/90 at Antherms. Loop Eake, Bar-nesmore. Co Donegal. The planning spring pro-chared at a fee not extend-ing the reasonable cost of making a copy, at the offices of the planning artiforphy during the public opening hours. A softmission or observation in relation to the southernoon was to make in others A summission to observation in religion to the application may be maked in spring to the planning sutherns on payment of the prescribed (see 2.21% with an the period of 5 weeks beginning on the date of receipt by the authority of the application, and such associated so other attoos will be considered by the planning authority in making a decision on the application. Authority in a planning authority in a planning authority in a planning authority in a planning authority may gram permission soften to be without conditions. On may refuse to gram permission.

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Public Natices

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DONEGAL COUNTY
COUNCIL

FISHERIES (AMENDMENT) ACT, 1997 (NO. 23) FORESHORE ACT, 1933 (NO. 12) NOTICE OF DECISION TO GRANT AND **REFUSE** TO GRANT AQUACULTURE AND FORESHORE LICENCES.

The Minister for Agriculture, Food and the Marine has decided to grant and refuse Aquaculture and Foreshore Licenses to the following in the table below in Trawbreaga Bay, Co Donegal:

Reference Number	Name	Species	Decision
112/227	Alan & Cara Byrne Drumcorbit Malin Co Donegal	Pacific Cysters	Grant Licence
T12,'369	Edward Ivers Misty Hills Dunaff Clonmany Co Donegal	Pacific Oysters	Grant Licence
T12/360	Patrick McDaid Glasha Camdenagh CoDonegai	Pacific Oysters	Grant Licence
T12/434	Barr Oysters Ltd. Michael Barr, Foyle Water View. Ballymacarthur, Greencastle Co.Donegal	Pacific Oysters	Refuse Licence
T12/475	Michael & Eunan McLaughlin Keenaglug Carndonagh, Co Donegal	Pacific Oysters	Refuse Licence

The reasons for this decision are elaborated on the Department's website at http://www.agriculture.gov.le/seafood/aguacultureforeshoremanagement/ acuaculturelicensing/acuaculturelicencedecisions/donegal/

An appeal against the Aquaculture Licence decision may be made in writing, within one month of the date of its publication, to THE AQUACULTURE LICENCES APPEALS BOARD, Kliminchy Court, PortLaoise, Co. Laois, by completing the Notice of Appeal Application Form available from the Board, phone 057 86 31912, e-mail https://www.alable/

A person may question the validity of the Foreshore Licence determination by way of an application for judicial raview, under Order B4 of the Rules of the Superior Court (SI No. 15 of 1996) Practical information on the review mechanism can be obtained from the Citizens information Board at http://www.citizensInformation.le/

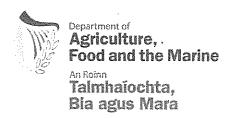
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Public & Legal Notices



Ref: T12/434

Barr Oysters Ltd, Michael Barr, Foyle Water View, Ballymacarthur, Greencastle Co.Donegal

FISHERIES (AMENDMENT) ACT, 1997 (NO.23)
NOTICE OF MINISTERIAL DECISION TO REFUSE TO GRANT AN
AQUACULTURE LICENCE AND FORESHORE LICENCE.

Dear Mr Barr,

I would like to inform you that the Minister For Agriculture, Food and the Marine has refused your application for an Aquaculture Licence and Foreshore Licence, for the cultivation of Pacific Oysters using bags and trestles on site No.T12/434A (See attached information note). I enclose an extract of the public notice of the decision which the Department has arranged to have published in "Donegal Democrat".

Any person aggrieved by the decision may, in accordance with Section 41 of the Fisheries (Amendment) Act 1997, appeal against it in writing to the Aquaculture Licences Appeals Board. This appeal must be lodged within one month beginning on the date of the publication of the decision.

In addition, a person may question the validity of the Foreshore Licence determination by way of an application for judicial review, under Order 84 of the Rules of the Superior Court (SI No. 15 of 1986). Practical information on the review mechanism can be obtained from the Citizens Information Board at: http://www.citizensinformation.ie/

Yours sincerely

Karen Gill 15/11/2017

Aquaculture and Foreshore Management Division

S.12 (3) OF THE FISHERIES (AMENDMENT) ACT, 1997(NO.23) INFORMATION NOTE TO APPLICANT FOR THE PURPOSE OF REGULATION 18 OF THE AQUACULTURE (LICENCE APPLICATION) REGULATIONS 1998

REFERENCE NO:

T12/434

APPLICANT:

Barr Oysters Ltd, Mr Michale Barr

AQUACULTURE TO WHICH

DECISION RELATES:

Cultivation of Pacific Oysters using bags and trestles on site T12/434A on the foreshore in

Trawbreaga, Co Donegal.

NATURE OF DECISION:

Refusal of Licence.

DATE OF DECISION:

10/11/2017

REASON FOR REFUSAL:

-Landscape Impact: Due to the Bay's proximity to neighbouring areas of scenic importance and its location alongside a locally important tourist road would tend to suggest a moderate level of sensitivity to landscape change. In particular, from critical viewpoints there is likely to be substantial landscape impact significance from the proposed site;

-Visual Impact: there are likely to be substantial visual impacts on views as perceived by visitors on the R242."

Extract

To be inserted in Donegal Democrat

FISHERIES (AMENDMENT) ACT, 1997 (NO. 23) FORESHORE ACT, 1933 (NO. 12) NOTICE OF REFUSAL TO GRANT AQUACULTURE AND FORESHORE LICENCES.

The Minister for Agriculture, Food and the Marine has refused to grant Aquaculture and Foreshore Licences to, Barr Oysters Ltd, Mr Michael Barr, Foyle Water View, Ballymacarthur, Greencastle, Co. Donegal REF: T12/434 for the cultivation of Pacific Oysters using bags and trestles on a site on the foreshore in Trawbreaga Bay, Co.Donegal. The reasons for this decision are elaborated on the department's website at www.agriculture.gov.ie/seafood/aquaculturelicensing

An appeal against the Aquaculture Licence decision may be made in writing, within one month of the date of its publication, to THE AQUACULTURE LICENCES APPEALS BOARD, Kilminchy Court, Portlaoise, Co. Laois, by completing the Notice of Appeal Application Form available from the Board, phone 057 86 31912, e-mail info@alab.ie or website at http://www.alab.ie/

A person may question the validity of the Foreshore Licence determination by way of an application for judicial review, under Order 84 of the Rules of the Superior Court (SI No. 15 of 1986). Practical information on the review mechanism can be obtained from the Citizens Information Board at: http://www.citizensinformation.ie/

Ø 00237-17: Recommendation to Refuse an Aquaculture and Foreshore Licences for 1 site (T12/434A)

To: Minister	Author: EileenM Maher	
Status: Completed	Owner: Maher, EileenM	
Purpose: For Decision	Reviewers: Foley, Gerry, Whelton, Batt, Quinlan, John, Beamish, Cecil	
Division/Office: Coastal Zone		
Management		
Decision By:		

Final Comment

Minister determines that the Aquaculture and Foreshore Licences not be granted for the reasons outlined.

Action Required

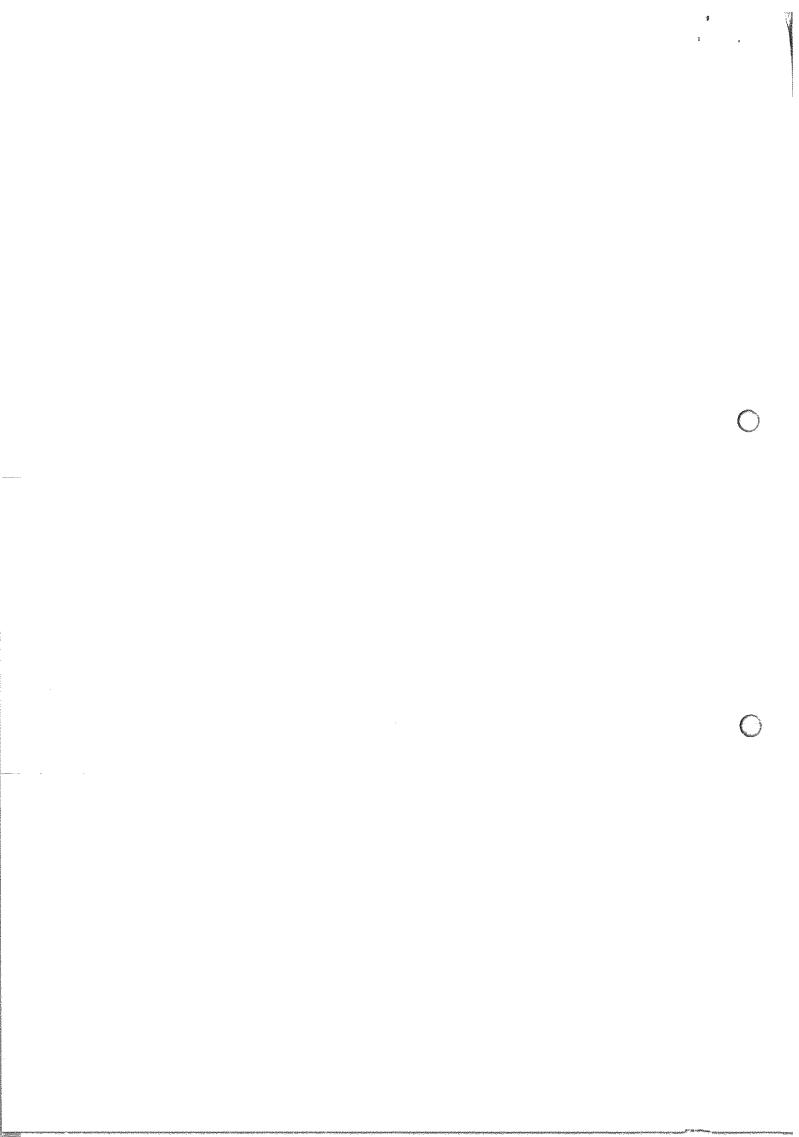
Ministerial Determination on Aquaculture/Foreshore Licensing Application (T12/434)

Executive Summary

The Minister's determination is requested in relation to an application of an Aquaculture Licence from Barr Oysters Ltd, Michael Barr, Foyle Water View, Ballymacarthur, Greencastle, Co. Donegal. The application is for the cultivation of Pacific Oysters using bags and trestles on Site T12/434A, totalling 1.285 ha on the foreshore in Trawbreaga Bay, Co Donegal.

A submission is respect of the application for the Foreshore Licence is also set out for the Minister's consideration.

It is recommended that the Minister determines that the Aquaculture and Foreshore Licences **not be granted** for the reasons outlined in the 'Detailed Information' section below.



Comments

- (10/11/2017 15:51:19) Ann Smith: Approved for submission to Minister.
- (10/11/2017 15:49:26) Cecil Beamish: Recommended that the Minister determines that the Aquaculture and Foreshore Licences not be granted for the reasons outlined in the Submission.
- (09/11/2017 14:42:44) John Quinlan: Recommended please that the application be refused for the reasons set out in the submission.
- (09/11/2017 10:34:15) Batt Whelton: I agree with the recommendation that the application be refusewd on the grounds of Visual Impact: the proposed oyster farm is likely to cause slight to very substantial visual impacts on views from the R242 route
- (08/11/2017 12:46:12) Gerry Foley: It is recommended that the Minister refuses to grant the Aquaculture / Foreshore licence application for the reasons outlined in the submission above.

Detailed Information

Recommendation to Refuse an Aquaculture Licence application (T12/434)

DECISION SOUGHT

The Minister's determination is requested please in relation to an application for an Aquaculture Licence from Barr Oysters Ltd, Michael Barr, Foyle Water View, Ballymacarthur, Greencastle, Co. Donegal, for a site in Trawbreaga Bay, Co. Donegal.

Also attached is a submission in respect of the accompanying Foreshore Licence, for the Minister's consideration.

BACKGROUND

Marine aquaculture operations require separate Aquaculture and Foreshore Licences and Ministerial approval is required in respect of this submission (Aquaculture Submission) and submission underneath (Foreshore Submission), which refer to the same site.

The Aquaculture Licence defines the activity that is permitted on a particular site and the Foreshore Licence allows for the occupation of that particular area of foreshore. The continuing validity of each licence is contingent on the other licence remaining in force.

APPLICATION FOR AN AQUACULTURE LICENCE

An application for an Aquaculture Licence has been received from the applicant referred to above (in conjunction with an application for a Foreshore Licence), for the cultivation of Pacific Oysters using bags and trestles in relation to a 1.285 hectare site on the foreshore in Trawbreaga Bay, Co. Donegal (numbered T12/434A – see TAB A).

LEGISLATION

Section 7 of the Fisheries (Amendment) Act 1997 provides that the licensing authority (i.e. Minister, delegated officer or, on appeal, the Aquaculture Licences Appeals Board) may, if satisfied that it is in the public interest to do so, license a person to engage in aquaculture.

CONSULTATION AND PUBLIC COMMENT

The application was sent to the Department's technical experts, statutory consultees and was also publicly advertised in a composite public notice covering both aquaculture and foreshore elements.

Technical Consultation

Engineering Division: MED not recommending licensing this site due to the following:

- Maintain orderly aquaculture development in the bay:
- Preventing physical change impact on the foreshore area involved and
- Preventing significant visual impact which would arise with westward development of oyster farming at this general location

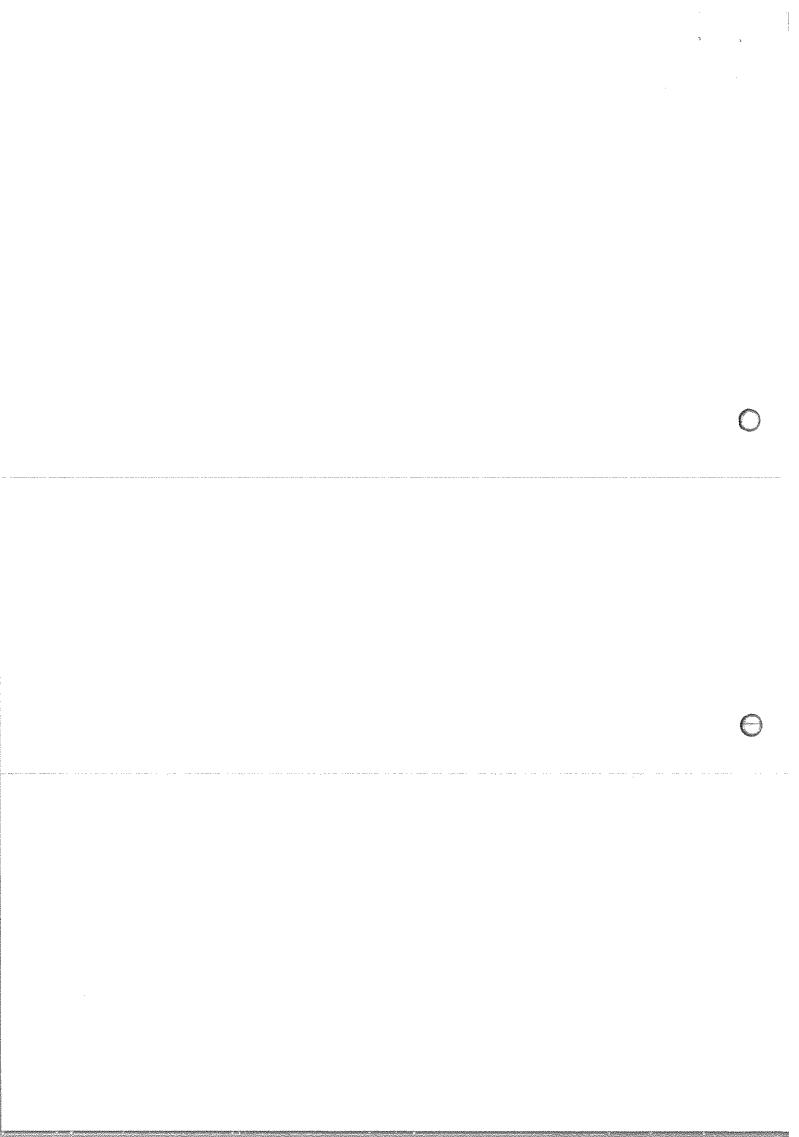
Marine Survey Office: No objection to this development from a navigational perspective.

<u>Sea Fisheries Protection Authority</u>: Can see no negative impact on fishing operations if this application is granted.

Statutory Consultation

Regulation 10 of the Aquaculture (Licence Application) Regulations, 1998 requires certain statutory bodies to be notified of an Aquaculture Licence application.

Comments were received from the following statutory bodies:



Marine Institute: No objection to the licence being granted.

Commissioner of Irish Lights: No objection to the granting of this licence.

<u>Donegal County Council (DCC)</u>: Raised concerns regarding the adequacy of the Appropriate Assessment. They also had views on the proposal in the context of the County Development Plan 2012-2018 (as varied). In particular, DCC noted that the new licence applications represented a significant intensification of activity at a sensitive location along the north Donegal coastline and this would have a negative visual amenity impact. They regard the new proposed licence areas to represent a material contravention of the County Development Plan.

The Department and its scientific advisors, the Marine Institute, acknowledge the considered nature of the observations from Donegal County Council in relation to the AA, but they do not, in our view, raise any significant issue. The nature of AA reports in relation to aquaculture differ from others in that they consider a large number of applications as opposed to individual projects that may be considered by Planning Officers.

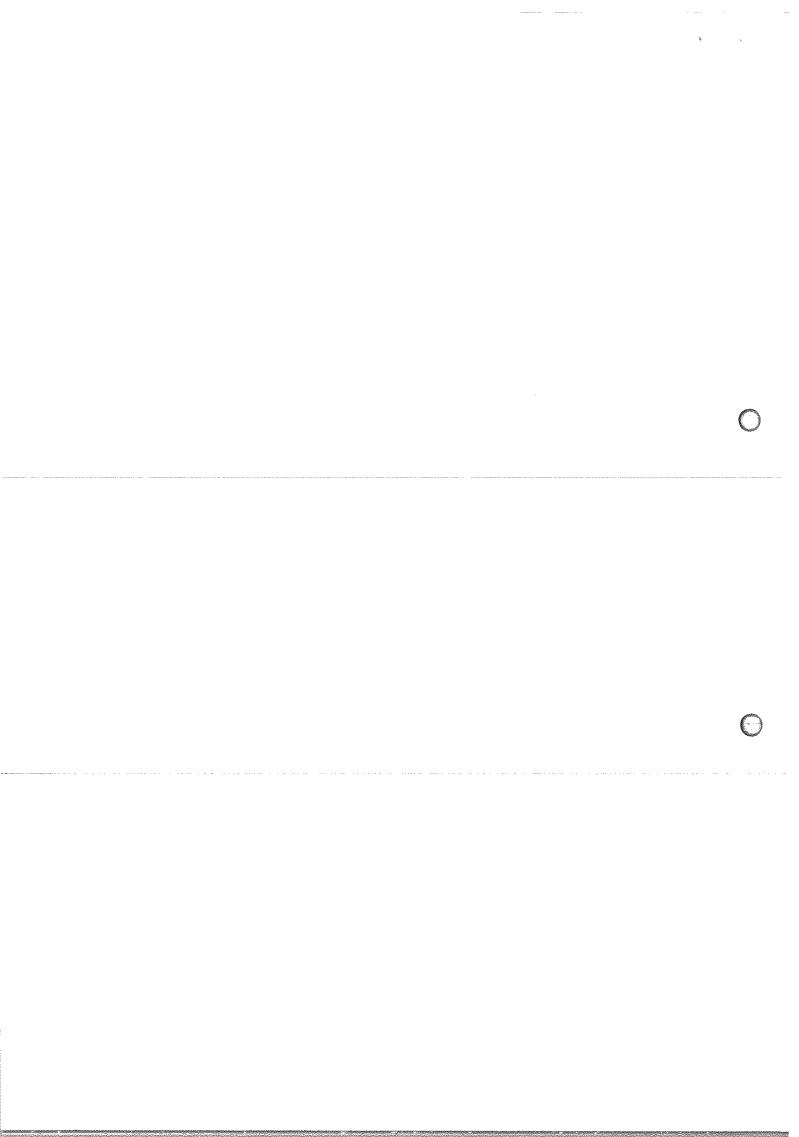
The visual amenity impacts are addressed under the 'Landscape and Visual Impact Assessment' heading. As regards the assertion that the new licence proposed areas representing a material contravention of the County Development Plan, it should be noted the such Plans deal with developments on the landward side of the high water mark and these proposed sites are located in the marine area.

DHPLG: No comments received.

<u>BIM</u>: Are satisfied that the proposed aquaculture operation does not conflict with any other aquaculture or inshore fisheries in the area.

<u>IFI</u>: Noted that the proposal did not appear to have any significant implications for the operation of commercial/recreational salmon and other inshore fisheries in the area. Also noted that the site is located east of the main channel and the applicant should take all necessary measures to ensure that the development would not interfere with the passage of migrating salmon and sea trout.

Department of Culture, Heritage and the Gaeltacht (DCHG): Provided observations from a Birds/Habitats perspective, for consideration concerning the proposed licensing of aquaculture activities in Trawbreaga Bay. These issues are addressed in the Licensing Authority's Conclusion Statement for aquaculture activities in North Inishowen SAC (Site Code: 2012) and Trawbreaga Bay SPA (Site Code: 4034 – see Conclusion Statement attached).



Public Consultation

The application was publicly advertised using a composite public notice covering both aquaculture and foreshore elements, in the Donegal Democrat on 08th May 2017. The application and supporting documentation were available for inspection at Buncrana and Carndonagh Garda Stations for a period of 4 weeks from the date of publication of the notice in the newspaper.

There were no objections received from the public consultation process.

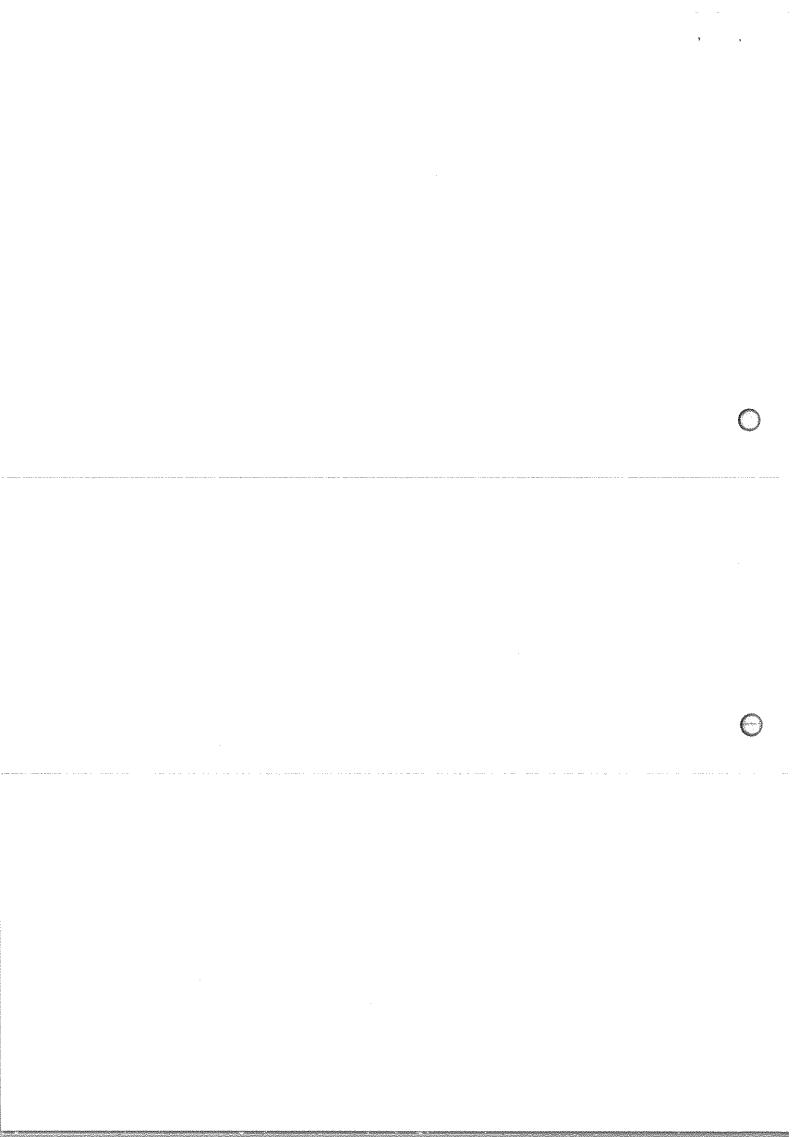
LANDSCAPE and VISUAL IMPACT ASSESSMENT (LVIA)

Environmental Impact Assessment (EIA) is an important tool for predicting and evaluating the wide range of effects of a development on the environment and on people. Landscape and Visual Impact Assessment (LVIA) is a separate but closely linked process. It aims to ensure that all possible effects of change and development both on the landscape itself and on views and visual amenity are taken into account in decision-making.

The Minister has already determined that an Environmental Impact Statement is not required for this project. This determination also contained a recommendation that a Landscape and Visual Impact Assessment be carried out.

Marine Engineering Division (MED) subsequently prepared a comprehensive 'Landscape and Visual Impact Assessment' on a number of proposed aquaculture sites in Trawbreaga Bay, including this site T12/434A (See **TAB A**). The report considered the landscape and visual impact of 11 new aquaculture applications (trestle based oyster aquaculture) located in the northwest portion of inner Trawbreaga Bay. These are all new applications.

Much of the oyster farm development to date in Trawbreaga Bay has low visibility levels to the public. In general, the new oyster farm proposals under consideration in the LVIA have higher levels of visibility to the public. Trawbreaga Bay itself is located on the Wild Atlantic Way route. In particular, the R242 road/Wild Atlantic Way passes very close to Trawbreaga Bay foreshore at the area of interest in the LVIA assessment. While the sites are located in a thinly populated rural area, visitors to the Malin Head peninsula may be expected to travel this route.



There appears to be a mix of visual sensitivities – ranging from low to moderate (foreshore users/local road users) to high sensitivity (non-local/tourists, including users of the Wild Atlantic Way).

For some viewpoints, e.g. R242 at Balleelaghan/Goorey uninterrupted views continue for a length of 1.1 km and more prolonged viewing of the relevant foreshore area is possible. Critically these views will be of short distance and will directly overlook the foreshore.

In summary, the assessment finds that visual impacts of substantial significance would arise in the case of 6 development proposals, including site 434A. The report recommends that these applications be refused on visual impact grounds.

CRITERIA IN MAKING LICENSING DECISIONS

The licensing authority, in considering an application, is required by statute to take account, asappropriate, of the following points and also be satisfied that it is in the public interest to license a person to engage in aquaculture:

a) the suitability of the place or waters

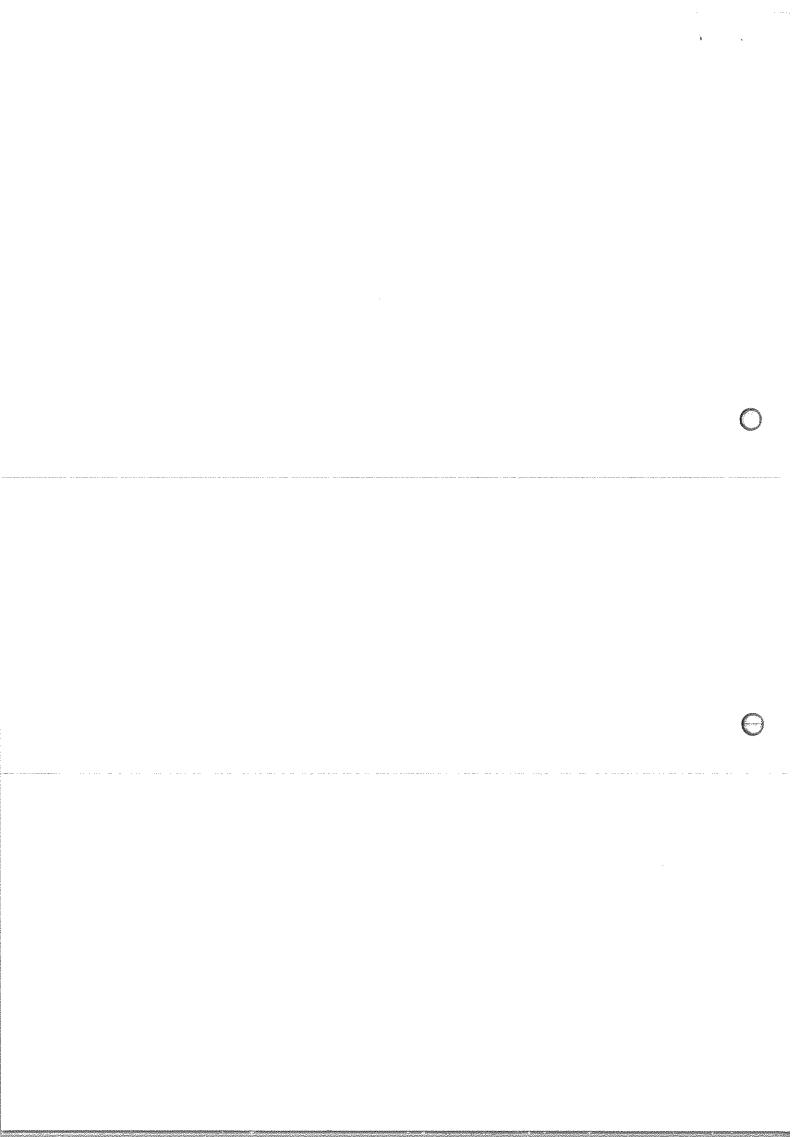
Scientific advice is to the effect that the waters are suitable for the cultivation of Oysters. However, there are issues regarding visual impacts of the proposed aquaculture.

b) other beneficial uses of the waters concerned

Public access to recreational and other activities can be accommodated by this project. Aquaculture appropriately licensed can co-exist with other leisure activities.

- c) the particular statutory status of the waters
- (i) Natura 2000

The site is located within a Natura area (i.e. in a Special Area of Conservation or Special Protected Area). An Appropriate Assessment of Aquaculture in North Inishowen SAC (Site Code: 2012) and Trawbreaga Bay SPA (site code: 4034) was carried out. This Assessment and its findings were examined by the Department and its scientific/technical advisors and a Conclusion Statement has been produced outlining how it is proposed to licence aquaculture in compliance with Habitats/Birds requirements (the Appropriate Assessment and Licensing Authority's Conclusion Statement are available on the Department's website).



(ii) Shellfish Waters

The site is located within Trawbreaga Bay Shellfish Designated Waters. Oysters from this area currently have a seasonal "A" classification

d) the likely effects on the economy of the area

Aquaculture has the potential to provide a range of benefits to the local community such as, attraction of investment capital, development of support services etc.

e) the likely ecological effects on wild fisheries, natural habitats, flora and fauna

No significant issues arose regarding wild fisheries. Habitats issues are covered under "Natura 2000" above.

f) the effect on the environment generally

The Minister is obliged pursuant to Regulation 5 (2) of Licence Applications Regulations to consider on a case by case basis whether the proposed aquaculture is likely to have significant effect on the environment.

The Minister has already determined that an Environmental Impact Statement is not required for this project (See Declaration in **TAB B**).

g) The DCHG have raised no objection to the development from an underwater archaeological perspective.

RECOMMENDATION

It is recommended that the Minister:

Refuses to grant an Aquaculture Licence to Barr Oysters Ltd, Michael Barr, Foyle Water View, Ballymacarthur, Greencastle, Co. Donegal, for a 1.285 ha site in Trawbreaga Bay.

REASONS FOR DECISION

The Minister for Agriculture, Food and the Marine is required to give public notice of both the licensing determination and the reasons for it. To accommodate this it is proposed to publish the following on the Department's website, subject to the Minister approving the above recommendation:

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<u>Determination of Aquaculture/ Foreshore Licensing application –T12/434</u>

Barr Oysters Ltd has applied for permission to cultivate Pacific Oysters using bags and trestles on the inter-tidal foreshore on a 1.285 ha site (T12/434) in Trawbreaga Bay, Co. Donegal.

The Minister for Agriculture, Food and the Marine has determined that it is not in the public interest to grant Aquaculture and Foreshore Licences for this site. In making his determination, the Minister considered those matters which by virtue of the Fisheries (Amendment) Act 1997 and other relevant legislation, he was required to have regard. Such matters include any submissions and observations received in accordance with statutory provisions. In particular, the Minister had regard to the findings of the Landscape and Visual Impact Assessment of oyster farm development proposals in Trawbreaga Bay, Co. Donegal.

Landscape Impact: This area of the bay's proximity to neighbouring areas of scenic importance and its location alongside a locally important tourist road would tend to suggest a moderate level of sensitivity to landscape change. While individual sites will not give rise to substantial landscape scale impacts, wider area development, involving most of the sites applied for in this area, including T12/434, would give rise to landscape impact of substantial significance;

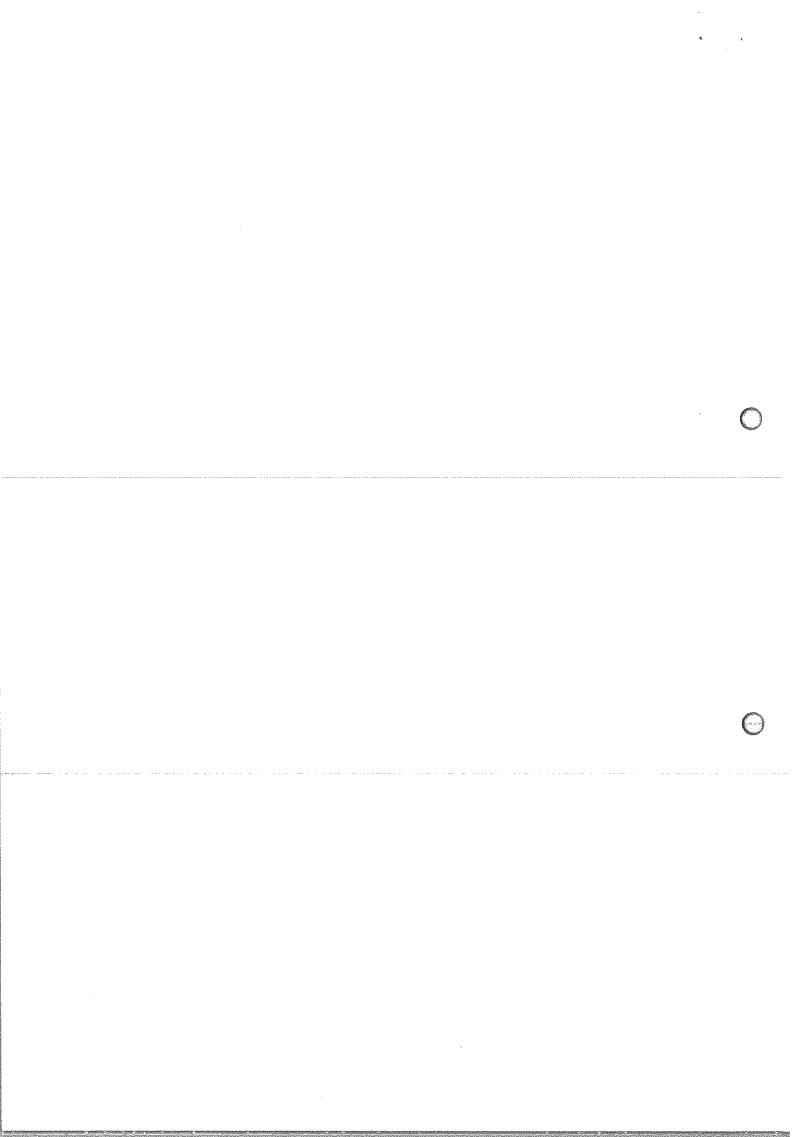
Visual Impact: the proposed oyster farm is likely to cause slight to very substantial visual impacts on views from the R242 route."

Submitted for approval, please.

Karen Gill

Aquaculture and Foreshore Management Division

Recommendation to grant the renewal of Foreshore Licence application (T12/434)



DECISION SOUGHT

The Minister's determination is requested please in relation to the application for a Foreshore Licence from Barr Oysters Ltd, Michael Barr, Foyle Water View, Ballymacarthur, Greencastle, Co. Donegal, for a site in Trawbreaga Bay, Co. Donegal, in which it is proposed to conduct aquaculture.

BACKGROUND

Marine aquaculture operations require separate Aquaculture and Foreshore Licences and Ministerial approval is required in respect of this submission (Foreshore Submission) and submission above (Aquaculture Submission), which refer to the same site.

The Foreshore Licence allows for the occupation of the particular area of foreshore while the Aquaculture Licence defines the activity that is permitted in this area. The continuing validity of each licence is contingent on the other licence remaining in force.

APPLICATION FOR A FORESHORE LICENCE

An application for a Foreshore Licence has been received from the applicant referred to above (in conjunction with an Aquaculture Licence application), relating to the occupation of the foreshore associated with the Aquaculture Licence application which covers a 1.285 hectare site (numbered T12/434A – see **Tab A**).

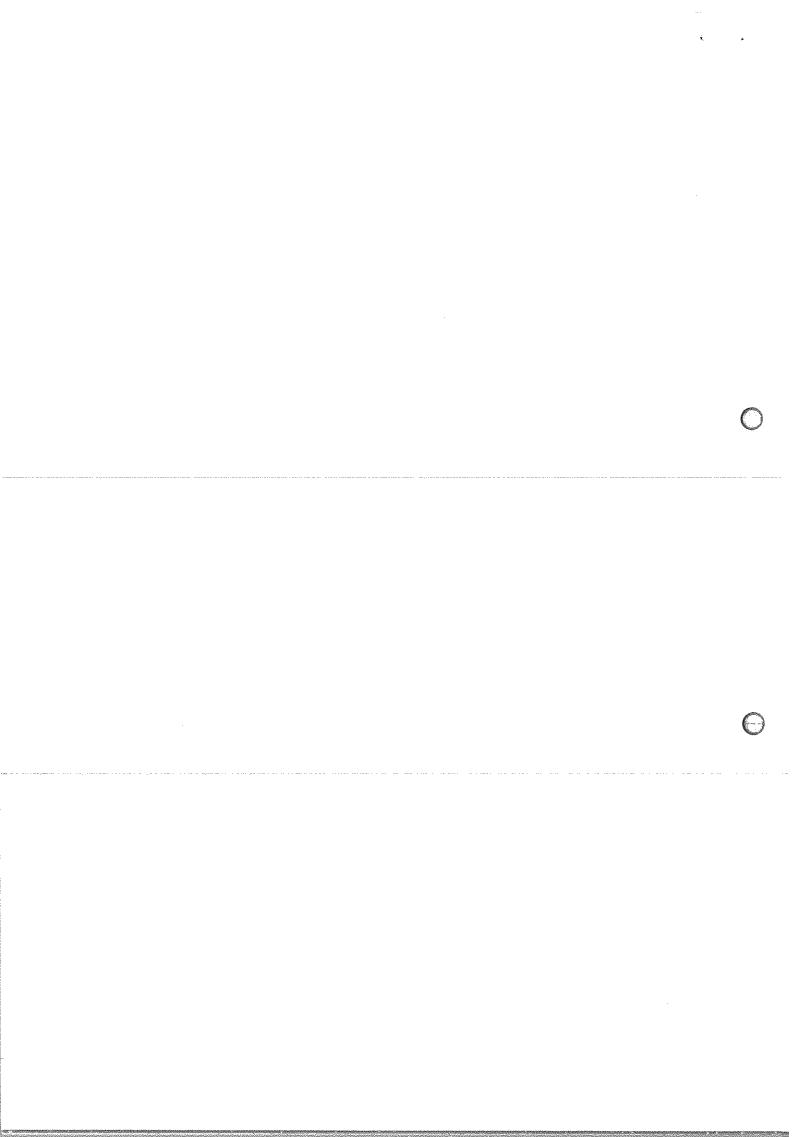
LEGISLATION

Section 3 of the Foreshore Act, 1933 gives power to the Minister to license the use of foreshore, if he is of the opinion that it is in the public interest to do so.

CONSULTATION AND PUBLIC COMMENT

The application was sent to the Department's technical experts, and was also publicly advertised in a composite public notice covering both aquaculture and foreshore elements.

This application was also sent to the Department of the Housing, Planning and Local Government (DHPLG) in accordance with subsection (1B) of Section 3 of the Foreshore Act, 1933, which requires consultation between the Minister for Agriculture, Food and the Marine



and the Minister for the Environment, Community and Local Government. Whilst aquaculture legislation requires certain statutory bodies to be notified of an aquaculture application, no other statutory bodies are prescribed consultees under Fisheries related foreshore legislation.

<u>DHPLG</u>: Had no objection on technical grounds.

Technical Consultation

<u>Engineering Division:</u> -recommended that this site should not be licensed for the following reasons:

- -Maintain orderly aquaculture development in the bay;
- -Preventing physical change impact on the foreshore area involved, and
- -Preventing significant visual impact to tourist users of R242 regional road

Marine Survey Office: No objection to this development from a navigational perspective

Sea Fisheries Protection Authority: No objection to this development.

Public Consultation

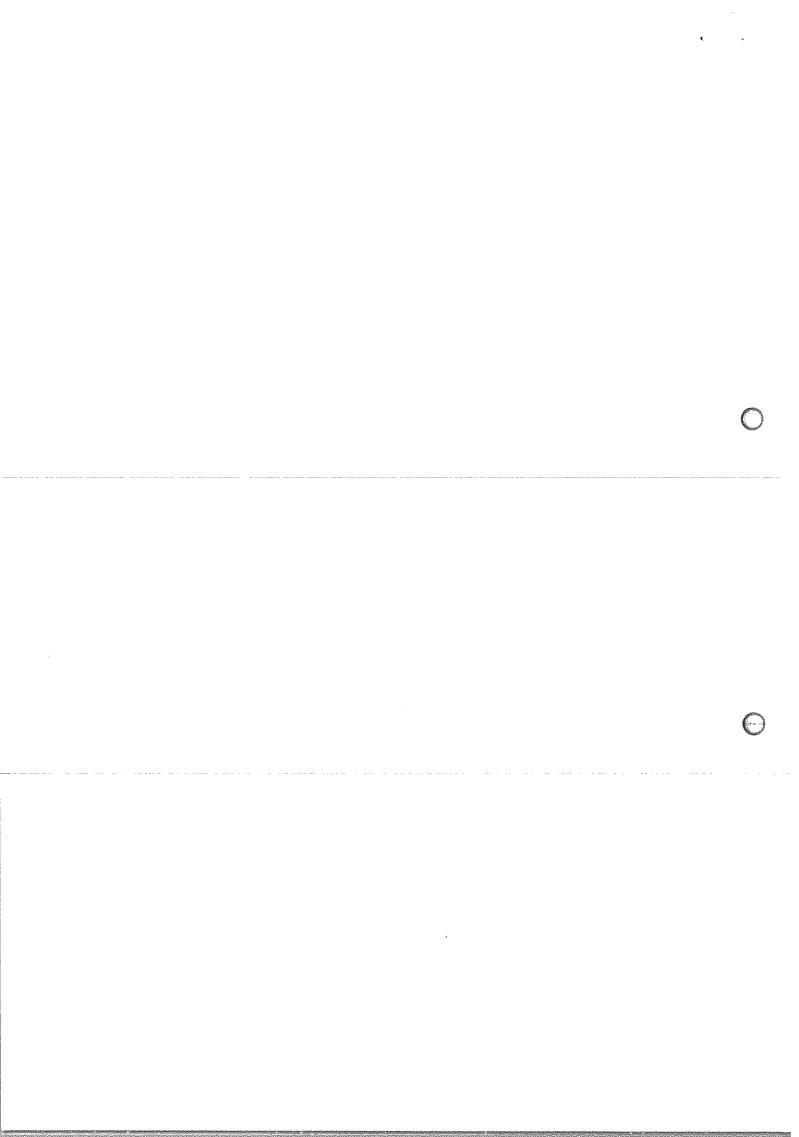
The application was publicly advertised using a composite public notice covering both aquaculture and foreshore elements, in the Donegal Democrat on 08th May 2017. The application and supporting documentation were available for inspection at Buncrana and Carndonagh Garda Stations for a period of 4 weeks from the date of publication of the notice in the newspaper.

There were no objections received from the public consultation process.

CRITERIA IN MAKING LICENSING DECISIONS

The Minister, in considering an application for a Foreshore Licence, may, if satisfied that it is in the public interest to do so, grant such a licence.

Section 82 of the Fisheries (Amendment) Act, 1997 stipulates that the Minister, in considering an application for a licence under the Foreshore Acts, which is sought in connection with the carrying on of aquaculture pursuant to an Aquaculture Licence, shall have regard to any decision of the licensing authority in relation to the Aquaculture Licence.



The Minister is also obliged pursuant to Regulation 5 (2) of the Aquaculture (Licence application) Regulations, 1998 to consider on a case by case basis whether the proposed aquaculture is likely to have significant effect on the environment. An EIA Screening Assessment was carried out by the EIA Screening Group (comprising of technical experts and Department officials). The Minister has already determined that an Environmental Impact Statement is not required for this project (See Assessment in TAB B).

RECOMMENDATION

It is recommended that the Minister:

Refuses to grant a Foreshore Licence to Barr Oysters Ltd, Michael Barr, Foyle Water View, Ballymacarthur, Greencastle, Co. Donegal for a 1.285 ha site in Trawbreaga Bay.

Karen Gill

Aquaculture and Foreshore Management Division

Related Submissions

There are no related Submissions.

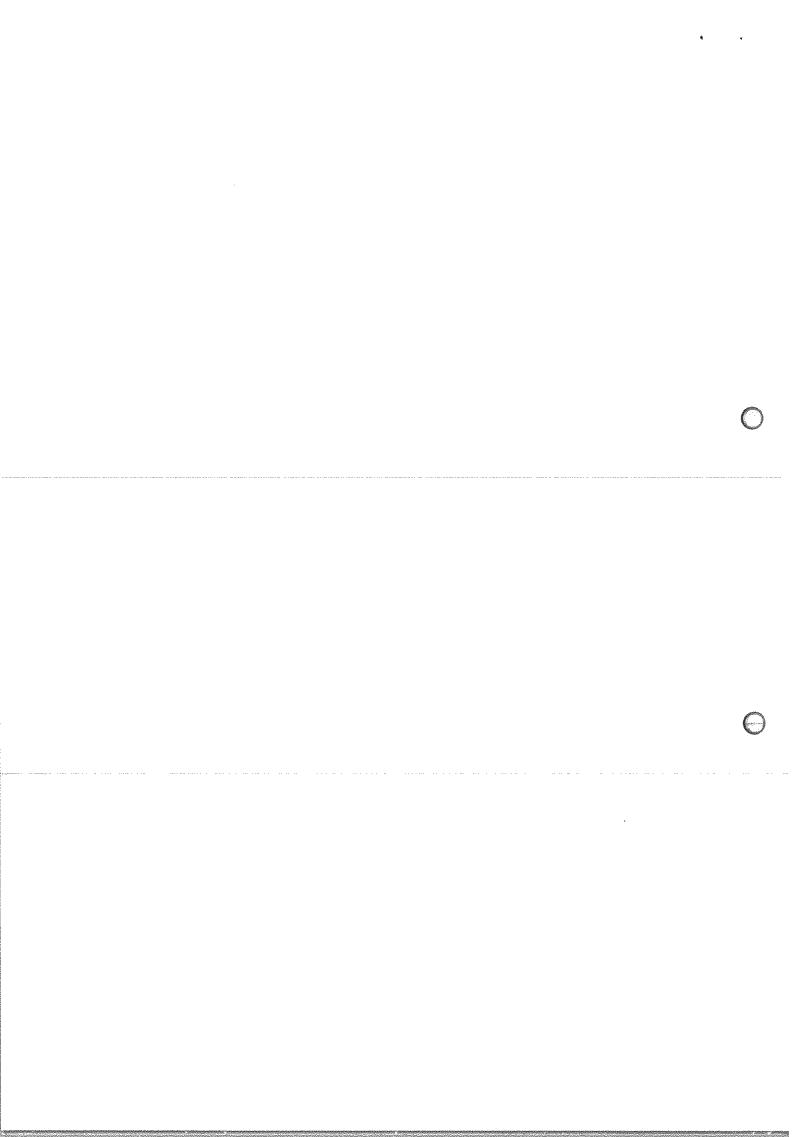
User Details

Users with access to Submission

Maher, EileenM Foley, Gerry Whelton, Batt Quinlan, John Beamish, Cecil Sub Sec Gens Office eSub Ministers Office

Read receipt list

BTSSP-SC Maher, EileenM Foley, Gerry Whelton, Batt Quinlan, John Beamish, Cecil Smith, Ann Lennox, Graham



Action Logs

Created: 07/11/2017 14:54:33: Submission created by EileenM Maher

Sent For Review: 08/11/2017 11:14:41: Submission sent to Gerry Foley for review by EileenM

Maher

Sent For Review: 08/11/2017 12:53:16: Submission sent to Batt Whelton for review by Gerry

Foley

Sent For Review: 09/11/2017 10:35:08: Submission sent to John Quinlan for review by Batt

Whelton

Sent For Review: 09/11/2017 14:43:10: Submission sent to Cecil Beamish for review by John Quinlan

Sent to the Secretary General: 10/11/2017 15:49:44: Submission sent to Secretary General for review by Cecil Beamish

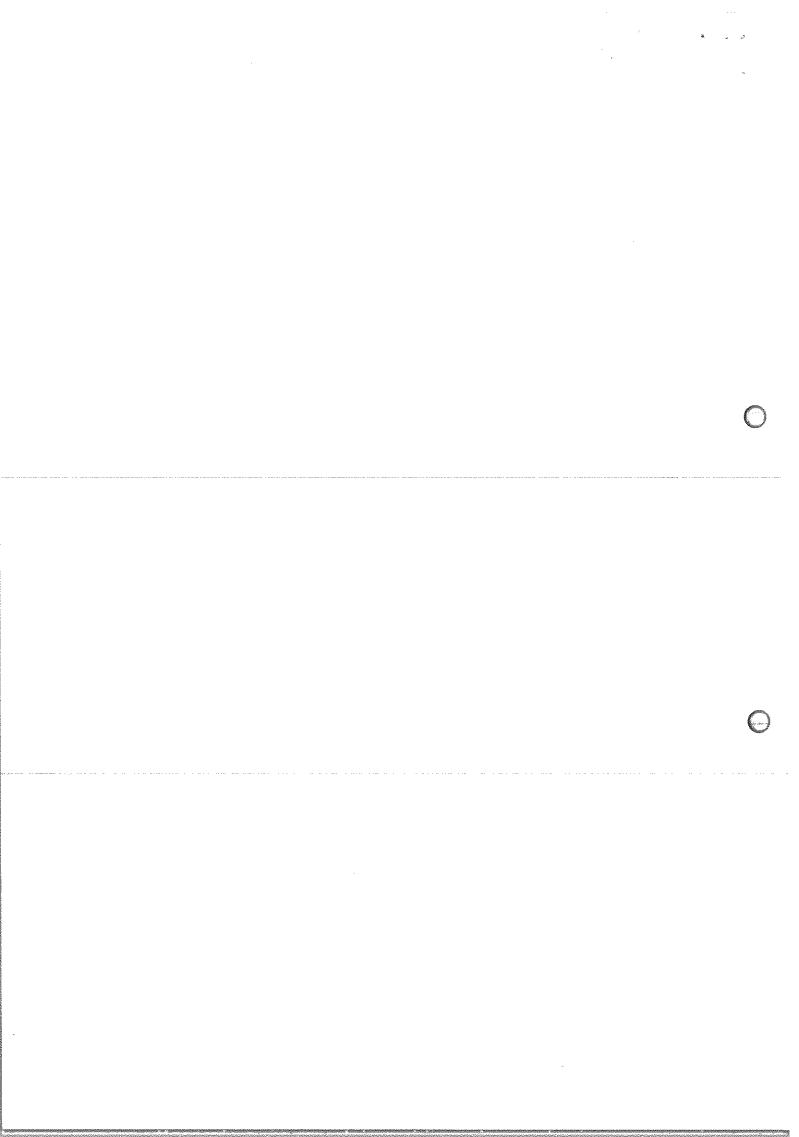
Sent to the Minister: 10/11/2017 15:51:19: Submission sent to Minister for review by Ann

Smith on behalf of the Secretary General

Reason: Approved for submission to Minister.

Completed: 10/11/2017 17:53:24: Submission completed by Graham Lennox on behalf of the Minister

Reason: Minister determines that the Aquaculture and Foreshore Licences not be granted for the reasons outlined.



This project includes sites T12/375 & T12/434

Ministerial Determination in relation to EIS requirements for an Aquaculture Licence application for the cultivation of shellfish by Barr Oysters Ltd in Trawbreaga Bay, Co. Donegal

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 these Aquaculture Licence applications to culture shellfish, on 2 sites, is likely to have significant effects on the environment and would require the submission of an Environmental Impact Statement (EIS).

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:

- Regulation 5 of the Aquaculture (Licence Application) Regulations, 1998;
- ii. EIA Directives (codified by Council Directive 2011/92/EU);
- iii. The criteria specified in Annex III of Directive 2011/92/EU
- iv. The guidance contained in the European Commission document entitled "Guidance on EIA, Screening" June 2001
- v. The Article 6 Assessment of Aquaculture and Fisheries in North Inishowen Coast Special Area of Conservation (SAC), Trawbreaga Bay Special Protection Areas (SPA) (Natura 2000 sites)

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 - the development (2 sites total area 1.456 ha) is not out of scale relative to the body of coastal water in which it is located

- 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 per the Donegal County Development Plan
- d) the low population density of the surrounding area
- e) The overall cumulative landscape and visual impact of the proposed development is expected to be significant. Further consideration of the visual impact will be required prior to a licensing decision.
- 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)—no significant impact on recreational use of the adjoining foreshore
- j) the findings of the Appropriate Assessment in relation to impacts on protected habitats and species.

DATED: 4th April 2017

EIA SCREENING ASSESSMENT T12/434 & T12/375

1. Applicant Details Name Address

2. Characteristics of Project

- a) Species cultivation proposed
- b) Mathod
- 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 Estimatea Tonnes
- 3. Location of Project
- a) File No.
- b) No. of sites
- c) Location
- d) Hectares
- e) Shellfish Waters Designation
- If yes, identify area as per S.I. 268 of 2006/S.I. 55 of 2009
- If yes, Name of designated area Map No. & Date of Map
- f) Natura 2000 site
- 4. Development Plan
- a) County Development Plan

If yes, identify relevant sections If yes, period covered

Barr Oysters Ltd Foylewater View Ballymacarthur, Greencastle Co.Donegal Pacific Oysters trestles culture No French Hatcherles Yes. With the exception of Articles 3, 4 Regulation EC 708/2007 does not apply to the production of C. gigas. Year 1 Estimated annual tonnage 20 tonnes Year 2 Estimated annual tonnage 20 tonnes Year 3 Estimated annual tonnage 20 tonnes Year 4 Estimated annual tonnage 20 tonnes T12/434 & T12/375 2 sites T12/434A 1.285 ha & T12/375A 0.171 ha Trawbreaga Bay 1.456 ha Yes SI 55 of 2009 Trawbreega Bay - Map 29 August 2006 North Inishowen Coast SAC (Site Code 002012) and Trawbreaga Bay SPA (Site Code 004034) Yes. Donegal County Development Plan

Chapter 8.Tourism and Marine. The Council will support the sustainable development of the equaculture sector to maximise its contribution to economic growth within the county. In particular, the Council acknowledge the development and expansion of the syster farming industry in the county and its potential in terms of employment and product export.

2012-2018

b) Local Area Plan If yes, identify relevant sections c) Other

No	
No	

2

T12/434 & T12/375		
EIA SCREENING CHECKLIST		
Is it an AKNEX II project?	YES	
is the project located on or adjacent to a Natura 2000 area?	Yes The project is located within North Inishowen Coast SAC (Site Code 002012) and Trawbreaga Bay SPA (Site Code 004034)	
If yes, has the appropriate assessment been carried out?	Yes. An Article 6 assessment of aquaculture activities in North Inishowen Coast SAC and Trawbreaga SPA has been carried out and published on the Department's website.	
1, CHARACTERISTICS OF THE PROJECT - ANNEX III (1)	Yes/No - Briefly describe	Is this likely to result in a significant effect? Yes/No? - Why
(a) Size of project		
Will the project be out of scale with the existing environment?	No. The development (1.456 ha for two sites), is not out of scale relative to the body of coastal water within which it is located.	
Will it lead to further consequential development or works (e.g. new roads, landing facilities, provision of new water supply)?	No. Existing infrastructure will be used and no additional infrastructure developments are needed.	
(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?	Yes. There are other aquaculture projects in the bay involving the cultivation of oysters. There are potential navigational, visual and benthic impacts.	No. The impact on the benthos will be localised and limited to the area directly beneath the trestles. The impact on navigation will be mitigated by appropriate navigational marking. The cumulative visual impact is anticipated to be significant. It is not expected that there will be a significant impact on other sensitive receptors e.g. air.

		water, cultural heritage.
Are there potential cumulative impacts with existing foreshore projects or with foreshore projects licensed but which have not yet begun?	No.	
T12/434 &T12/375		
CHARACTERISTICS OF THE PROJECT ANNEX III (1) cont'd	Yes/No - Briefly describe	Is this likely to result in a significant effect? Yes/No? - Why
(b) Cumulation with other development contd		
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?	Yes. Production involves 2 sites T12/375A (renewal application- expired 2016) and T12/434A a new application.	
(c) Use of natural resources		
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 suppty? I and (especially undeveloped or agricultural land)? water? energy including electricity and fuels? any other resources?	Yes. The proposed cultivation of oysters on the foreshore will use naturally occurring marine phytoplankton present in the seawater.	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.
(d) Production of waste		
Will the project produce wastes during installation or operation or decommissioning? municipal waste (household and/or commercial)? auplus product? construction or demolition wastes? redundant machinery or equipment? any other solid wastes?	Yes. The cultivation of shellfish will produce faeces and pseudofaeces. Grading and removal of mortalities will result in shells being discarded. Trestles, bags, associated with the growing process may need to be replaced.	No. The amount of produced faeces and pseudofaeces will be small and the impacted area will be limited to the area directly beneath the trestles. The site is well flushed and build up of excess organic matter on site is not considered likely. Discarding of

	liquid or solid wastes in suspension?		damaged old bags, tresties or other material into the sea or on the foreshore will not be permitted.
Ī	F12/434 & T12/375		
	1.CHARACTERISTICS OF THE PROJECT - ANNEX III (1) cont'd	Yes/No - Briefly describe	Is this likely to result in a significant effect? Yes/No? - Why
1	e) Pollution and nuisances contd.		
ı	Will the project release pollutants or any sazardous, toxic, or noxious substances to air?	· - · · · · · · · · · · · · · · · · · ·	
E	missions from: combustion of fossil fuels from stationary or mobile sources? Construction activities including plant & equipment? any other sources.	Yes. There will be emissions associated with husbandry and harvesting of shellfish from tractors or other machinery. There will be no release to the air of other hazardous, toxic or noxious pollutants.	No. The emissions levels will not be significant.
	VIII the project cause noise and vibration or elease of light? • from operation of equipment e.g. engines? • from blasting or plang? • from construction or operational traffic? • from lighting or other systems? • from any other sources?	Yes. There will be noise associated with husbandry and harvesting of shellfish from tractor and other noise.	No. Noise levels will not be significant.
	f) Risk of accidents, having regard in		
Ì	varticular to substances or technologies used Vill there be any risk of accidents during installation or operation of the project which could frect human health or the environment?	Yes. There may be a minor risk of physical injury while working onsite but no risk to human health.	No. There is minor risk to the environment from onsite accidents.
L	Vil the project lead to risks of contamination of and or water from releases of pollutants onto the pround or into surface waters, groundwater, coastal waters or the sea?	No. No chemicals or hazardous substances will be used during the production process.	,

T12/434 & T12/375		
1. CHARACTERISTICS OF THE PROJECT - ANNEX III (1) cont'd	Yes/No - Briefly describe	is this likely to result in a significant effect? Yes/No? - Why
(f) Risk of accidents, having regard in particular to substances or technologies used		
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)? use of hazardous or toxic substances?	No. Cultivation of oysters depends on naturally occurring marine resources. No harmful substances or materials will be used.	
 potential changes in occurrence of disease or effect on disease carriers (e.g. insect or water borns diseases? 		
(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, rall or sea traffic during construction or operation? new road, rall, air, waterborne or other transport infrastructure including new or elitered 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	Yes. Trestles will be placed on the foreshore.	No. The development can be considered as minor and reversible as all structures can be removed.
 transport of personnel or materials for construction, operation or decommissioning? 		

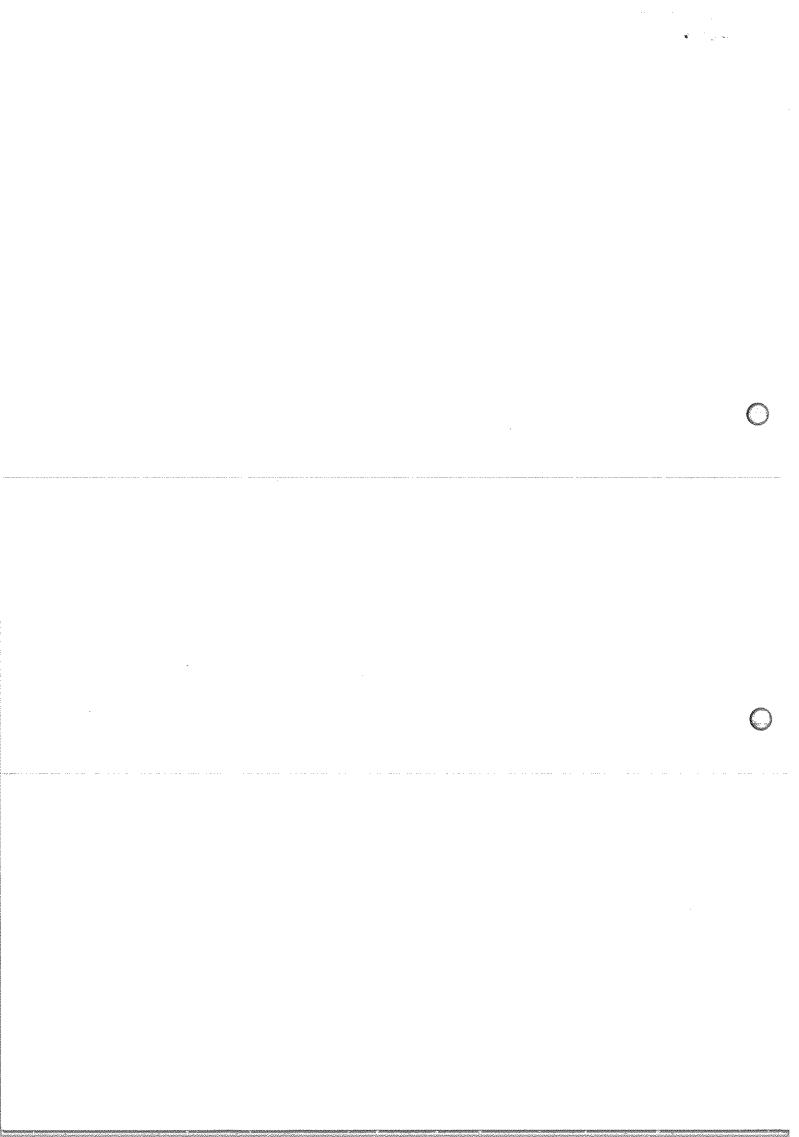
decommissioning or restoration works? introduction of alten species? loss of native species or genetic diversity? any other changes?	Yes. Crassostrea Gigas. With the exception of Article 3 and 4, Regulation EC 708/2007 does not apply to the production of C. Gigas. There is no record of established native oyster beds in Trawbreaga Bay.	No. The risk of establishment of non-native oyster species is considered low in the bay because of the short water residence time and heavy cover of macroalgae in intertidal areas. The continued use of triploid oyster stock will further reduce the risk. Additionally, the continued use of triploid stock in Trawbreaga Bay will also reduce the risk of establishment of non-native oyster species in the adjoining Lough Swilly area.
(h) Inherent social changes		
Will the project result in social changes, for example, in demography, traditional lifestyles, employment?	It is anticipated that job opportunities will result from this project.	No. The impact will be locally beneficial but not significant
2. LOCATION OF THE PROJECT - ANNEX III (2)	Yes/No - Briefly describe	is this likely to result in a algorificant effect? Yes/No? - Why
(a) Existing land use		
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?	No. Terrestrial land use will not be affected and there is no spatial overlap with other users of the inter-tidal foreshore.	
Are there any areas on or around the location which are occupied by sensitive land uses e.g. hospitale, schools, places of worship, community facilities, which could be affected?	No.	
is the project located in a previously undeveloped area?	No. T12/375A is renewal application and T12/434A a new application. There are existing licenced aquaculture sites in the bay	
T12/434 & T12/375		

2. LOCATION OF THE PROJECT - ANNEX III (2) cont'd.	Yes/No - Briefly describe	is this likely to result in a significant effect? Yes/No? - Why
(b) Relative abundance, quality and regenerative capacity of natural resources in the area		
Are there any areas on or around the location which contain important, high quality or scarce resources which could be affected by the project? groundwater resources surface waters fisheries tourism	Yes. Fisheries and Tourism	Given the location and scale of the proposed aquaculture site significant impacts on the fisheries / tourism in the area are not considered likely.
(c) Absorption capacity of the natural environment		
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?	Yes. This site is located in Trawbreaga SPA (004034) and North Inishowen Coast SAC (002012) The SAC is designated for the habitat feature of Mudflats and sandflats not covered by seawater at low tide (1140) including constituent community of Muddy sand to coarse sediment with Pygospio elegans community complex, and Sand with Angulus tenuis and Scoloplos (Scoloplos) armiger community complex Otter (Lutra lutra) is specified among the qualifying interests of the SAC The SPA aspects are elaborated on below	No. The AA concluded that existing and proposed activities do not pose a risk of significant disturbance to the conservation of the designated habitat feature of Mudflats and sandflats not covered by seawater at low tide (1140) or constituent community of Muddy sand to coarse sediment with Pygospio elegans community complex, and Sand with Angulus tenuis and Scoloplos (Scoloplos) armiger community complex The AA concluded that aquaculture activities did not present a barrier to migration and on the (freshwater) attributes for the Otter (Lutra lutra)
Are there any other areas on or around the locallon which are important or sensitive for reasons of their ecology? • wetlands, watercourses or other waterbodies? • the coastal zone? • mountains, forests or woodlands?	Yes. The wetland habitat contained within Trawbreaga SPA is identified to be of conservation interest for the regularly occurring migratory waterbirds that utilise it	No. These applications will not cause any change in the permanent area occupied by the wetland habitat.

nature reserves and parks?		
T12/434 & T12/375		
2. LOCATION OF THE PROJECT - ANNEX III (2) cont'd. (c) Absorption capacity of the natural	Yes/No - Briefly describe	Is this likely to result in a significant effect? Yes/No? - Why
environment cont'd		
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?	Yes. This site is located in Trawbreaga SPA (004034) and North Inishowen Coast SAC (002012) The SPA is designated for non-breeding populations of Barnacle Goose and Lightbellied Brent Goose and both breeding and non-breeding elements of the Chough population	No. Chough: The AA concluded that, taking account of the proposed scale of oyster cultivation, lack of any significant use of intertidal habitat by the Chough and the separation of oyster cultivation from known foraging, roosting or nesting sites, it is unlikely that intertidal oyster would have a negative impact on the Chough Barnacle Geese: The AA concluded that as
		Barnacle Geese do not feed on inter-tidal habitat the placement of trestles would not result in any direct loss of foraging grounds. It also found that the risk of negative impacts at access points to be low
-		Light-bellied Brent Goose: The AA conclude that aquaculture activities, existing and proposed, are not considered disturbing to Light-bellied Brent Geese taking account of the favourable conservation status of the species, large area of suitable habitat, foragin opportunities provided by green algae on trestles etc
Are there any inland, coastal, marine or underground waters on or around the location which could be affected?	No.	

Are there any groundwater source protection zones or areas that contribute to the recharge of groundwater resources?	No.	
Are there any areas or features of high landscape or scenic value on or around the location which could be affected?	No.	
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?	No. Public access to recreational and other activities will not be impacted by the project.	
T12/434 & T12/375		
110101010	Mary 1,750 and 1,721 and 1,750	
2. LOCATION OF THE PROJECT - ANNEX III (2) cont'd	Yes/No - Briefly describe	is this likely to result in a significant effect? Yes/No? - Why
(c) Absorption capacity of the natural environment cont'd		
Are there any transport routes on or around the location which are susceptible to congestion or which cause environmental problems, which could be affected?	No. Given the scale of production the amount of additional traffic generated will not be significant.	
is the project in a location where it is likely to be highly visible to many people?	No. Site T12/434A is visible at short viewing distance from public road R242. Overall landscape and visual impact of the development is expected to be significant.	
Are there any areas or features of historic, cultural or archaeological importance on or around the location which could be affected?	No. No protected structures as per County Development Plan.	
Are there any areas on or around the location which are already subject to pollution or	No. Results of monitoring under the Shellfish Waters Directive do not indicate water quality	

environmental damage e.g. where existing legal environmental standards are exceeded, which could be affected?	issues in the vicinity of the proposed shellfish production area. Oysters in this area currently have a "B" Classification under Annex II of the EU Regulation 854/2004.	
Is the area densely populated?	No. The adjoining area is rural and is not densely populated	
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 th	e screening group is that an Environmental Im	pact Statement is not required for this
project. However consideration of the visual	impact of the proposed development will be re-	quired prior to a licensing decision.
EIA SCREENING GROUP COMPRISES OF MEM THE MARINE INSTITUTE THE DEPARTMENT'S MARINE ENGINEERING D BORD IASCAIGH MHARA REPRESENTATIVES OF THE DEPARTMENT'S A FORESHORE MANAGEMENT DIVISION	BERS FROM: DIVISION AQUACULTURE AND	0.1

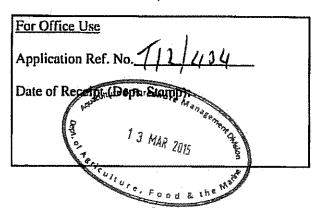


AQUACULTURE AND FORESHORE LICENCE APPLICATION FORM, for purposes of FISHERIES (AMENDMENT) ACT, 1997 and FORESHORE ACT, 1933

NB: The accompanying Guidance Notes should be read before completing this form.

Note: Details provided in Parts 1 and 2 will be made available for public inspection. Details provided in Parts 3 and 4 and any other information supplied will not be released except as may be required by law, including the Freedom of Information Act 1997 as amended.

USE BLOCK CAPITALS IN BLACK INK PLEASE



Type of Appli	cant (tick one)	
Sole Trader		
Partnership		
Company		
Co-Operative		
Other	Please specify-	

PART 1: PRELIMINARY DETAILS

Applicant's Name(s)	BARROVSTERS LTD.
1	
Address:	FOYLEWATER VIEW BALLYMACARTHUR GREENCASTLE CO. DONEGAL.
2.	
Address:	
3. Address:	
4.	
Address:	

	in case of enquiries (if different	from above)		
Contact 1		·····		
applicabl	tion Name (if			
Address	<u> </u>	······································		
	PART 1: PREL	IMINARY D	ETAILS	
BVDE OI	A DDY LOAGUANT 1 1'		4 4 4	٦
This Appl	APPLICATION – please indicate ication Form is valid for each type of	relevant type of application -	r application See Guidance Note 3.1	
		••	X	
(i) Aquac	ulture Licence			
(ii) Trial I	icence			
(iii) Fores	hore Licence, if Marine Based			
			, , , , , , , , , , , , , , , , ,	
(IV) Revie	w of Aquaculture Licence			
(v) Renew	al of Aquaculture Licence		·	
Indicate	AQUACULTURE	See Guidanc	e Note 3.2	
(i)	MARINE-BASED			
	Finfish		Go to Parts 2.1 and 2.1A	. (
	Shellfish Subtidal		Go to Parts 2.2 and 2.2A	
	Intertidal	IX	Go to Parts 2.2 and 2.2A	
	Seaweed/Aquatic Plants/Aquatic Fish Food		Go to Parts 2.3 and 2.3A	
(ii)	LAND-BASED			
** <i>!</i>	[]	, c-	Parts 2.4 and 2.4A	
	Finfish Shellfish	<u> </u>	rarts 2.4 and 2.4A	
	Aquatic Plants Aqua	ntic Fish Food	Go to Parts 2.4 and 2.4A	
(iii)	TRIAL LICENCE		Go to appropriate Parts as above and to Part 2.5.	

2.2 MARINE-BASED SHELLFISH AQUACULTURE When filling out this section refer also to 2.2A and Guidance Note 3.3 for information on Conditions and Documents required with this application type **Proposed Site Location** TRAWBREAGA (i) DONEGAL (ii) County: __ Please see artached. (iii) OS Map No: _ (iv) Co-ordinates of Site: (please specify coordinate reference system used e.g. Irish Grid (IG) or Irish Transverse Mercator (ITM) or Latitude/Longitude [in which case specify whether ETRS89 or WG84 etc.] - IRISH GRIO. 44457, 45087, (4) 244369, 450939. (v) Size of Site (hectares): (vi) Species (common and scientific name) and whether native or non-native species: (see Guidance Notes 3.3,1) Giaas (vii) Whether production will be sub-tidal or inter-tidal? INTERTIBAL. (viii) Please supply details of (a) source of seed e.g. wild hatchery and location and (b) means of collection and introduction to culture. TRICHOID + DiPloid. NB Importation of seculiation the State or movement of seed within the State requires notification to the Marine Institute as per the Fish Health Authorisation Regulations - See Guidance Notes Section 6 (ix) Method of culture (rope, trestles – intensive; bottom – extensive; other) (x) Proposed number of lines/ropes/trestles as per site layout drawing (xi) Proposed Production Tonnage: Year L 8 / Year 3 Year 2 Year 4 201 (xii) (a) Please outline the reasons for site selection:

(b) If using trestles please outline the physical characteristics of the site which make it suitable for using trestles Good Firm Gund
(xiii) Is it intended that the product is for direct human consumption or half grown? Please specify Difect Human Consumption.
(xiv) How will the visual impact issues of the flotation devices for the proposed application be addressed?
(xv) Is the site located in Designated Shellfish Waters Area? (Refer to Guidance Note 3.3.2) Yes No
If yes give details. SEE ATTACHED MAP
If no outline the reasons why you believe the site suitable for the proposed aquaculture, notwithstanding its location outside Designated Shellfish Waters Area?
(xvi) Has the area been classified under Food Safety Legislation? (For Bivalve Molluscs) What is the current classification of the area for the proposed species applied for? VES - CASS B.
(xvii) Is the site located in/adjacent to a sensitive area e.g. SPA (Special Protection Area) or SAC (Special Area of Conservation) i.e. a Natura 2000 site? (Refer to Guidance Note 3.3.1- Natura 2000 sites)
(xviii) Are there known sources of pollution in the vicinity e.g. sewage outfall? Yes No
(xix) Methods used to harvest the shellfish and details of any subsequent processing of shellfish
(xx) Describe any proposed purification facilities to be used:

exi) What are the main predators of the species to be cultivated?	None
xxii) Describe the method(s) which will be used to control them	
<u> </u>	NIA

2.2A DOCUMENTATION REQUIRED FOR MARINE-BASED SHELLFISH AQUACULTURE

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

- An appropriate Ordnance Survey Map (recommendation is a map to the Scale of 1:10,000/1:10,560, i.e. equivalent to a six inch map). Note: The proposed access route to the site from the public road across tidal foreshore must also be shown on the map.
- 2. Scale drawing of the structures to be used and the layout of the farm. The proposed site drawings must illustrate all site structures above and below the water including mooring blocks. (recommended scales normally 1:100 for structures and 1:200 for layout) (See Guidance Note 3.3.2)
- 3. The prescribed application fee (See Guidance Note Section 4)
- 4. If the applicant is a limited Company within the meaning of the Companies Act 1963. as amended, the Certificate of Incorporation and Memorandum and Articles of Association
- 5. If the applicant is a Co-operative, the Certificate of Incorporation and Rules of the Co-operative Society
- 6. Environmental Impact Statement (if required) in certain cases- See Guidance Notes Section 3.3.1
- 7. Alien Species dossier (where required) See Guidance Notes Section 3.3.1

NOW COMPLETE PARTS 2.6, 3, 4 AND 5 PLEASE

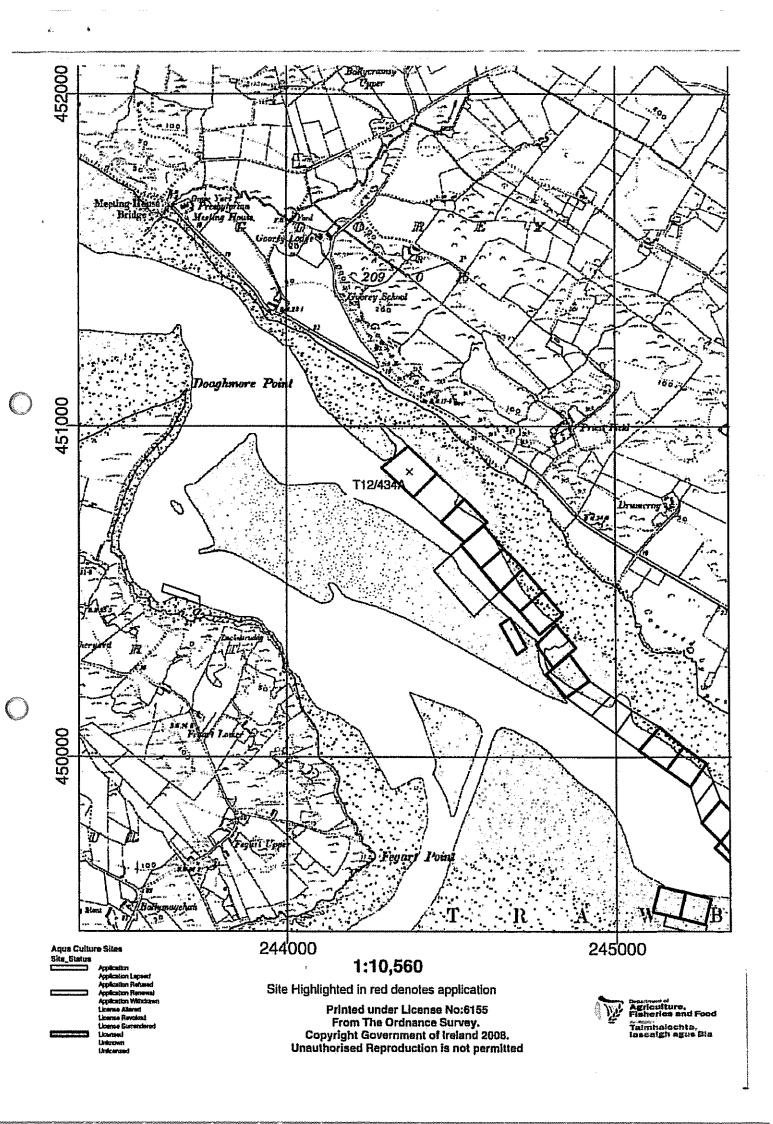
1 NO. SITE AT TRAWBREAGA Bay CO.DONEGAL

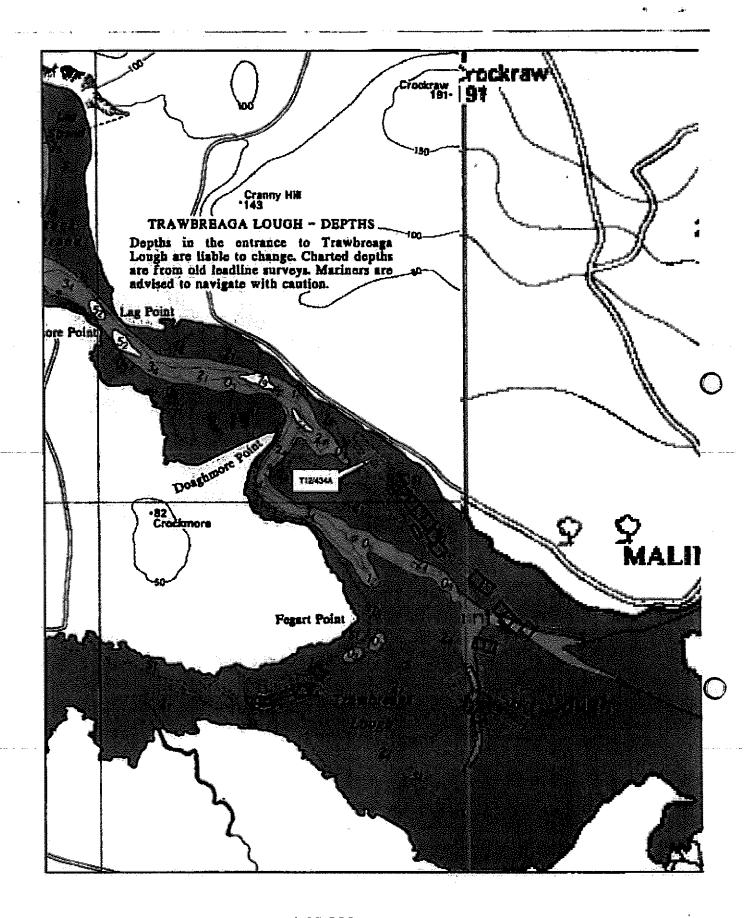
Co-ordinates & Area

Site T12/434A (1.285 Ha)

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

244457, 450857 to Irish National Grid Reference point 244385, 450785 to Irish National Grid Reference point 244288, 450874 to Irish National Grid Reference point 244369, 450939 to the first mentioned point





Aqua Culture Sites

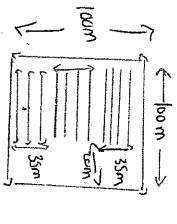
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Site Highlighted in red denotes application

Part of Admiralty Chart No. 2697-0 Not to be used for Navigation.





160 m

RGIN DIMENSIVAS

I meter Between Icans

100 Tresties/black

3 blacks Tresties

6 bags/Tresties

25 Tresties/RGIN

5 m between each black

3 x 100 = 300 Tresties

6 x 300 = 1800 bags

