



**Marine Institute**  
Foras na Mara

Rinville,  
Oranmore,  
Co. Galway  
Tel: 091 387200

Date: 08 August 2019

**Bernie McDonald**  
Aquaculture and Foreshore Management Division  
Department of Agriculture, Food and the Marine  
Clogheen,  
Clonakilty  
Co. Cork.

**Advice on Aquaculture Licence Application**

<b>Applicant</b>	<b>Crookhaven Fishermen's Association</b>
<b>Application type</b>	<b>Renewal and Review</b>
<b>Site Reference No</b>	<b>T05/432B</b>
<b>Species</b>	<b>Scallops (<i>P. maximus</i>) using cages on the seabed and native red, brown and green seaweeds using longlines</b>
<b>Site Status</b>	<b>Not located within a Natura 2000 Site Not located within a designated Shellfish Growing Waters Area.</b>

Dear Bernie

This is an application for the renewal and review of an aquaculture licence to cultivate both Scallops (*P. maximus*), in cage structures placed on the seabed, and native red, brown and green seaweeds including *Alaria esculenta*, *Laminaria digitata*, *Saccharina latissima*, *Ulva lactuca*, *Asparagopsis aramata* and *Porphyra spp.*, on longlines at Site T05/432B in Crookhaven Bay, Co. Cork. The site is currently licenced for the production of scallops only. The area of foreshore at Site T05/432B is 6.0647Ha.

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 of the site. The build-up of excess organic matter beyond the footprint of the sites is not considered likely.

It is the Marine Institute's view that the potential risk of pollution caused by cultivating seaweeds as proposed is minimal. No hazardous or toxic chemicals are used in the production process. Like all other plants, seaweeds require sunlight and inorganic nutrients (Nitrogen and Phosphorous) for growth. These nutrients are present naturally in seawater and there are no requirements for input of "feed" or other chemicals. The cultivated seaweeds do not excrete toxic or potentially polluting substance as part of their growth cycle. There is a risk of pollution as a result, for example, of a fuel or hydraulic fluid spill from vessels used as part of the management activities e.g. seeding of ropes, harvesting of the seaweed, at the site. Given the scale of the proposal, however, any such events are likely to be minor and localised and the risk is considered to be minor.

Site T05/432B is not located within a designated Shellfish Growing Waters Area. It is recommended that DAFM fully consider the implications of licencing a site which is not within a designated Shellfish Growing Water Area.

Scallops in Crookhaven Bay are currently not Classified under Annex II of EU Regulation 854/2004.

Considering the location, nature and scale of the proposed aquaculture activity, and in deference to our remit under the Marine Institute Act, and the considerations implicit to Sections 61(e and f) of the Fisheries (Amendment) Act, 1997 the Marine Institute is of the view that there will be no significant impacts on the marine environment and that the quality status of the area will not be adversely impacted

Site T05/432B is not located within a designated Natura 2000 site and, as set out in the AA Screening Report for Crookhaven and Toormore bays<sup>1</sup> the Marine Institute is of the view that significant impacts on any adjacent Natura 2000 are not likely.

In order to be able to assess and manage the potential risk of the introduction of invasive non-native species the MI recommends that the initial source of seed / seeded strings for both scallops and seaweeds, 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 invasive non-native 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 invasive non-native 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 invasive non-native 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.

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 shellfish 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





**Marine Institute**  
*Foras na Mara*

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Date: 08 August 2019

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

**Advice on Aquaculture Licence Application**

<b>Applicant</b>	<b>Crookhaven Fishermen's Association</b>
<b>Application type</b>	<b>Renewal and Review</b>
<b>Site Reference No</b>	<b>T05/432C</b>
<b>Species</b>	<b>Scallops (<i>P. maximus</i>) using cages on the seabed and native red, brown and green seaweeds using longlines</b>
<b>Site Status</b>	<b>Not located within a Natura 2000 Site Not located within a designated Shellfish Growing Waters Area.</b>

Dear Bernie

This is an application for the renewal and review of an aquaculture licence to cultivate both Scallops (*P. maximus*), in cage structures placed on the seabed, and native red, brown and green seaweeds including *Alaria esculenta*, *Laminaria digitata*, *Saccharina latissima*, *Ulva lactuca*, *Asparagopsis aramata* and *Porphyra spp* on longlines at Site T05/432C in Crookhaven Bay, Co. Cork. The site is currently licenced for the production of scallops only. The area of foreshore at Site T05/432C is 14.4895Ha.

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 of the site. The build-up of excess organic matter beyond the footprint of the sites is not considered likely.

It is the Marine Institute's view that the potential risk of pollution caused by cultivating seaweeds as proposed is minimal. No hazardous or toxic chemicals are used in the production process. Like all other plants, seaweeds require sunlight and inorganic nutrients (Nitrogen and Phosphorous) for growth. These nutrients are present naturally in seawater and there are no requirements for input of "feed" or other chemicals. The cultivated seaweeds do not excrete toxic or potentially polluting substance as part of their growth cycle. There is a risk of pollution as a result, for example, of a fuel or hydraulic fluid spill from vessels used as part of the management activities e.g. seeding of ropes, harvesting of the seaweed, at the site. Given the scale of the proposal, however, any such events are likely to be minor and localised and the risk is considered to be minor.

Site T05/432C is not located within a designated Shellfish Growing Waters Area. It is recommended that DAFM fully consider the implications of licencing a site which is not within a designated Shellfish Growing Water Area.

Scallops in Crookhaven Bay are currently not Classified under Annex II of EU Regulation 854/2004.

Considering the location, nature and scale of the proposed aquaculture activity, and in deference to our remit under the Marine Institute Act, and the considerations implicit to Sections 61(e and f) of the Fisheries (Amendment) Act, 1997 the Marine Institute is of the view that there will be no significant impacts on the marine environment and that the quality status of the area will not be adversely impacted

Site T05/432C is not located within a designated Natura 2000 site and, as set out in the AA Screening Report for Crookhaven and Toormore bays<sup>1</sup> the Marine Institute is of the view that significant impacts on any adjacent Natura 2000 are not likely.

In order to be able to assess and manage the potential risk of the introduction of invasive non-native species the MI recommends that the initial source of seed / seeded strings for both scallops and seaweeds, 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 invasive non-native 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 invasive non-native 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 invasive non-native 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.

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 shellfish aquaculture activities proposed.

Kind regards,



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

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<sup>1</sup> <https://www.agriculture.gov.ie/media/migration/seafood/aquacultureforeshoremanagement/aquaculturelicensing/appropriateassessments/cork/CrookhavenandToormoreNaturaScreeningforAquaculture050719.pdf>





☒ Shellfish Waters Directive Area



☒ Aquaculture Site



☒ Special Area of Conservation



☒ Special Protection Areas



## McDonald, Bernie

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**From:** Fem Dau [Fem.Dau@chg.gov.ie]  
**Sent:** 19 August 2019 14:36  
**To:** McDonald, Bernie  
**Subject:** RE: Aquaculture Licences: T05/432A, T05/432B, T05/432C and T05/432D at Crookhaven Bay

**CAUTION:** This email originated from outside of the organisation. Do not click links or open attachments unless you recognise the sender and know the content is safe.

Further to my email below, I am now enclosing the archaeological observations of the Underwater Archaeology Unit of the National Monuments which should be considered in addition to the nature conservation observations of the National Parks & Wildlife Service.

The proposed aquacultural sites lie within a rich maritime cultural landscape within the historic harbour of Crookhaven. The area has witnessed extensive shipping and maritime activity over the centuries as indicated by the several coastal archaeological sites that bound the foreshore there as well as the record of shipwrecks for the bay. Sites like the recorded monuments of Leenane Fish Palace (CO147-046) and Ballynaule Fish Palace (CO152-003) that formed part of a vibrant 17th century fishing industry; linear upright slabs of possible early field boundary or bridge (CO152-005) indicative of the changing and inundated coastal landscape; to the later mining complex (CO147-061) and designed landscape towers (CO147-056 & CO147-057). The coastguard station would also have necessitated shipping activity along the reaches of Rocky Island when in its working format. As an example for records of maritime events and shipwrecking in the harbour, in 1614 a major sea battle took place between the pirates in the bay and the Dutch admiralty, resulting in the sinking of several of the pirate ships. This is but one example of the multitude of maritime engagements and losses that has occurred within the waters in or around Crookhaven through time. There is the potential therefore that the anchors/seabed impact from the proposed aquacultural activity could impact underwater cultural heritage, including to previously unknown UCH, both sites, associated material or artefacts.

NMS therefore recommend that an underwater archaeological impact assessment (UAIA) be carried out in advance of any permit being granted for these applications. This to take the following format:

- The applicant to engage a suitably qualified and suitably experienced underwater archaeologist to carry out the UAIA.
- An Intertidal survey shall be undertaken of all areas of the foreshore that may be impacted and are accessible at low water.
- An underwater archaeological diver survey of all areas that are to be impacted by anchors/dredging activity.
- All surveys should include associated hand held metal detection survey.
- The UAIA shall be licence by the National Monuments Service and a detailed method statement should accompany the application made by the archaeologist.
- The Underwater Archaeology Unit shall provide further comment and possibly have further requirements based on the results of the submitted UAIA report.
- No permit should be issued until a formal response has been received from NMS on the results of the UAIA.

Regards

Michael Murphy

An Roinn Cultúir, Oidhreacht agus Gaeltachta

Department of Culture, Heritage and the Gaeltacht

Aonad na nIarratas ar Fhorbairt

Development Applications Unit

Bóthar an Bhaile Nua, Loch Garman, Contae Loch Garman, Y35 AP90

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**From: Fem Dau**

**Sent: Tuesday 13 August 2019 12:21**

**To: 'Bernie.McDonald@agriculture.gov.ie'**

**Subject: Aquaculture Licences: T05/432A, T05/432B, T05/432C and T05/432D at Crookhaven Bay**

The Department of Culture, Heritage and the Gaeltacht welcomes the opportunity to provide observations concerning the proposed licensing of aquaculture activities for the sites, namely T05/432A, T05/432B, T05/432C and T05/432D at Crookhaven Bay which overlaps Barley Cove to Ballyrisode Point SAC (Site code: 001040) and Sheep's Head to Toe Head SPA (Site code: 004156).

This is the first time this Department has issued comments on the Appropriate Assessment Screening document for Crookhaven<sup>[1]</sup>. It is hoped that these observations will be considered by the Department of Agriculture, Food and the Marine in its decision-making process.

The Appropriate Assessment Screening document states that there is no spatial overlap between either the aquaculture sites or the access routes, however access routes are not shown on the maps provided. Service areas where aquaculture materials are stored and maintenance activities are carried out are also not mentioned in this document. Storage and disposal of aquaculture related materials should take place at a distance from the Annex I habitats in the SACs, including those listed as qualifying interests but also 1230 sea cliffs which are present west of Crookhaven in Barley Cove to Ballyrisode Point SAC.

Regards

Michael Murphy

An Roinn Cultúir, Oidhreacht agus Gaeltachta

Department of Culture, Heritage and the Gaeltacht

Aonad na nIarratas ar Fhorbairt

Development Applications Unit

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## McDonald, Bernie

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**From:** Michael McPartland [Michael.McPartland@fisheriesireland.ie]  
**Sent:** 08 August 2019 13:04  
**To:** McDonald, Bernie  
**Subject:** T05/432A, T05/432B, T05/432C and T05/432D.

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Bernie

I refer to the above-mentioned applications

IFI would ask that a) only native species seed stocks are used and b) all necessary measures are undertaken in relation to bio-security

Michael McPartland  
Inland Fisheries Ireland  
Macroom  
Co.Cork  
026-41221

From: McDonald, Bernie [<mailto:Bernie.McDonald@agriculture.gov.ie>]  
Sent: 09 July 2019 15:42  
To: 'spatialplanning@water.ie'; Mary Larkin; 'terry.mcmahon@marine.ie'; 'Ben Dallaghan'; 'ocarroll@bim.ie'; 'Murphy, Mike'; 'foreshore@housing.gov.ie'; 'planning@failteireland.ie'; 'naturalenvironment@antaisce.org'; 'fem.dau@chg.gov.ie'; 'Dept of Transport ([Mmo@dttras.ie](mailto:Mmo@dttras.ie))'; 'dosenvironment@corkcoco.ie'; 'Mmo@dtas.ie'; 'spatialplanning@water.ie'; Mary Larkin  
Subject: Statutory Consultees letter

Please see attached letter which refers to four applications in Crookhaven Bay Co Cork.  
I would be grateful for any observations you may wish to make on the applications 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.

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

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

Regards  
Bernie Mc Donald

Bernie Mc Donald | Aquaculture and Management Division  
Department of Agriculture, Food and the Marine



Commissioners of  
**IRISH LIGHTS** | Navigation  
and Maritime  
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Ms. Colette Walsh  
Aquaculture and Foreshore Management Division  
Dept. of Agriculture Food & the Marine  
National Seafood Centre  
Clonakilty  
Co. Cork

*Your Reference:* T05/432B  
*Our Reference:* LA:0002.0050  
*Date:* 30/05/2019

LL: LA 0002.0050

**Applicant:** Crookhaven Fishermans Association  
**Site:** Crookhaven Harbour, Co.Cork

Dear Ms. Walsh,

Thank you for your letter advising us of this renewal.

Based on the information supplied, there appears to be no objection to this renewal. It is important to ensure that no navigable inter-tidal channels are impeded by any structures. As per the previous renewal application access to and from the quay serving the Lighthouse at Rock Island must not be impeded in any way.

If a licence is renewed, all structures must be clearly marked as required by Regulations and Licensing Permit conditions and to the approval of the Nautical Surveyor with the Marine Survey Office.

**Note: To date we have no record of this applicant applying for Statutory Sanction**

We would request that you include the following terms in the licence

- That the applicant secures Statutory Sanction from the Commissioners of Irish Lights for the aids to navigation required by the Marine Survey Office. Statutory sanction forms are available at <http://www.irishlights.ie/safety-navigation/statutory-sanction.aspx>

It is recommended that local fishing and leisure interests be consulted prior to a renewal decision being made.

Furthermore, if a licence is granted, the UK Hydrographic Office at Taunton: [sdr@ukho.gov.uk](mailto:sdr@ukho.gov.uk) must be informed of the development's geographical position in order to update nautical charts and other nautical publications.

Yours sincerely,

**Neil Askew**  
**for Director eNavigation and Maritime Services**

cc Capt. T. O'Callaghan, Dept. of Transport Tourism & Sport, Marine Survey Office



Commissioners of  
**IRISH LIGHTS** | Navigation  
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Ms. Colette Walsh  
Aquaculture and Foreshore Management Division  
Dept. of Agriculture Food & the Marine  
National Seafood Centre  
Clonakilty  
Co. Cork

*Your Reference:* T05/432C  
*Our Reference:* LA:0002.0060  
*Date:* 30/05/2019

LL: LA 0002.0060

**Applicant:** Crookhaven Fishermans Association  
**Site:** Crookhaven Harbour, Co.Cork

Dear Ms. Walsh,

Thank you for your letter advising us of this renewal.

Based on the information supplied, there appears to be no objection to this renewal. It is important to ensure that no navigable inter-tidal channels are impeded by any structures.

If a licence is renewed, all structures must be clearly marked as required by Regulations and Licensing Permit conditions and to the approval of the Nautical Surveyor with the Marine Survey Office.

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It is recommended that local fishing and leisure interests be consulted prior to a renewal decision being made.

Furthermore, if a licence is granted, the UK Hydrographic Office at Taunton: [sdr@ukho.gov.uk](mailto:sdr@ukho.gov.uk) must be informed of the development's geographical position in order to update nautical charts and other nautical publications.

Yours sincerely,

**Neil Askew**  
**for Director eNavigation and Maritime Services**

cc Capt. T. O'Callaghan, Dept. of Transport Tourism & Sport, Marine Survey Office