



Response to Public Bodies Observations

Foreshore Applications

Ref: FS007101, FS007102, & FS007133

August 2020

Submitted to the Department of Housing, Planning and Local Government.



Document History

Project Reference: TWM / IWDP / NOD – Marine Surveys

Report name:

Response to Public Bodies Observations

Date and Revision number:

Reporting Date – August 2020

Revision 1.0

This document has been prepared by:

Document					
Revision No.	Description	Prepared By	Checked By	Approved By	Issue Date
0	Issued for client approval	■	■	■	11/08/2020
1	Client comments received				
2	Client comments applied				

Signatory Legend:

■	■	Managing Director
■	■	Field Team Manager
■	■	Earth Observation Manager
■	■	Technical Director
■	■	Field Engineer
■	■	Marine Scientist
■	■	Marine Scientist

Contents

1	Introduction	4
2	Prescribed Bodies Observations	4
2.1	Inland Fisheries Ireland	5
2.2	Marine Institute	6
2.3	Marine Survey Office	6
2.4	Sea Fisheries Protection Authority	12
3	Conclusion.....	13

Appendix A – Prescribed Bodies Observations

Appendix B – Correspondence Records

1 Introduction

TechWorks Marine is a provider of oceanographic equipment and world-class solutions to monitor the marine environment, working in the private and public sectors both in Ireland and overseas.

TechWorks Marine plan to deploy five Acoustic Doppler Current Profiler (ADCP) frames on the seabed in 3 distinct locations along the Kerry coast (Tralee Bay, Castlemaine and Valentia Island). At each site an ADCP will be deployed for a minimum duration of 35 days, maximum 2 months to collect data on current speed and direction at each location. This data will be used to validate a hydrodynamic model being developed for Irish Water, for the assessment of impacts on shellfish waters by wastewater treatment systems.

This document contains information responding to observations made by the prescribed public bodies consultees relating to TechWorks Marine's Foreshore Licence application (Ref: FS007101, FS007102 & FS007133) for the temporary placement of five Acoustic Doppler Current Profilers (ADCPs) in Tralee Bay, Castlemaine and Valentia Island.

2 Prescribed Bodies Observations

The 'prescribed bodies' are a group of advisory experts to the Minister. TechWorks Marine foreshore licence applications were sent to the prescribed bodies for their comments and observations by the Department of Housing, Planning and Local Government.

A public notice was also published in The Kerryman and The Irish Examiner newspapers.

TechWorks Marine have responded to every observation submitted by a prescribed body in the section below.

2.1 Inland Fisheries Ireland

Inland Fisheries Ireland comments:

“IFI note that the applications outlines details to ensure local users will be aware of the presence of the buoys and that the marker buoys will be well marked. This is essential due to the volume of marine leisure activities carried out in these areas. The application does not outline the frequency the ADCP operates at; this information would be useful in assessing the impact on the local fish population.

In relation to the oyster fishing in Tralee Bay the local fishery manager should be consulted. The opinion of the SFPA should be sought in regard to commercial fish species in these locations.”

Response:

The comments received from Inland Fisheries Ireland have been noted.

TechWorks Marine will arrange the publication of a marine notice by the Department of Transport, Tourism and Sport prior to works on site to ensure that seafarers are aware of the locations and timeframe of the equipment being deployed. This notice will give a general description of operations and approximate dates of commencement and completion.

The ADCP sensor will be set to record approximately every 15 minutes using a 1 or 2 minute average based on the environmental conditions.

The Tralee Bay Oyster Fishery Society have been contacted for any comments, no response has been received to date.

The SFPA have also been consulted for observations as seen in this section.

2.2 Marine Institute

Marine Institute comments:

“Given the very small area of seabed occupied by each device (2.16m²), the fact that the device will be mounted in a trawl resistant frame and the short duration of the deployment, significant adverse impact on aquaculture activity in the area is not considered likely.

There will be no significant impacts on the marine environment in the area and water quality will not be effected.

On the basis of the above the Marine Institute has no objections to a Foreshore Licence being granted.”

Response:

The comments receive from the Marine Institute are noted.

Techworks Marine will ensure all monitoring activity and deployment / recovery of all equipment and materials is carried out to the highest standards.

2.3 Marine Survey Office

Marine Survey Office comments:

“ this office requires confirmation that the applicant has consulted with the local / harbour authorities whose areas of jurisdiction may be impacted by such deployment. This is particularly significant with respect to the location of the marker buoys and their proximity to main navigation channels or safe anchorage locations and the impact if any on navigational safety.

The applicant is further required to indicate whether these buoys will be illuminated during the hours of darkness / reduced visibility and in that respect has statutory sanction be granted by the Commissioners of Irish Lights.

In addition, the applicant is required to consult with the Irish Coast Guard to provide location information of these marker buoys in order to avoid the possibility of obstruction / interference during possible search and rescue operations in these areas.

Finally, the applicant is required to complete section 6 (Navigation Safety Implications) of the application form.”

Response:

The Harbour Masters at Fenit Harbour, Dingle Harbour and the local county council representative for Knightstown Harbour have been contacted by TechWorks Marine with regards to our proposed deployment of ADCPs. Correspondence was also made to the Irish Coast Guard Marine Rescue Sub Centre in Valentia.

The surface marker buoys will not be illuminated during the hours of darkness / reduced visibility and therefore a statutory sanction to the Commissioners of Irish Lights has not been sought.

The surface marker buoy will be tethered to the ADCP frame (total frame weight is 350kg). Vessels will be advised to keep a precautionary distance from the ADCP frames positions in order to avoid the marker buoys and associated ADCP frame equipment. The surface marker buoys will be yellow or fluorescent red in colour (*Figure 1 & Figure 2*). The marker buoy colour will be finalised prior to deployment and will be detailed in the marine notice.

If upon retrieval of the frame, the surface marker buoy is still on site, the ADCP frame can be easily retrieved onto the deck of the boat.

Additionally, the ADCP frames will be equipped with an acoustic release system and a grapple line will be attached to the frame to aid in their recovery should the surface marker buoy be absent upon retrieval of the ADCP frames.

An acoustic release method will be used if the surface marker buoy is no longer present, a recovery buoy is placed inside the ADCP frame and remains inside the frame until it is sent a command to release (*Figure 3*). When the vessel arrives on site, the release transponder will be placed over the side of the vessel and used to send a ranging ping to release the recovery buoy sitting in the frame. The recovery buoy will rise to the surface (*Figure 4*). The recovery line will be wrapped around the

winch and the frame will be hauled up until its visible at the surface. At the surface, a rope from the crane will be secured to the frame and can be lifted onto the deck of the boat.

If the acoustic release system fails, the final recovery method will be to use the grapple line attached to the frame. The grapple hook will be lifted over the bow of the vessel and lowered into the water. The vessel will then trawl the grapple hook between the ADCP frame and the deployed grapple anchor location. The grapple line will be brought to the surface by the grapple hook. The ADCP frame is then brought to the surface and winched onto the deck of the vessel (*Figure 5*).



Figure 1: Yellow Surface Marker Buoy & ADCP Frames.



Figure 2: Red Fluorescent Surface Marker Buoy.



Figure 3: Acoustic Release Recovery Buoy.



Figure 4: Recovery Buoy After Surfacing.

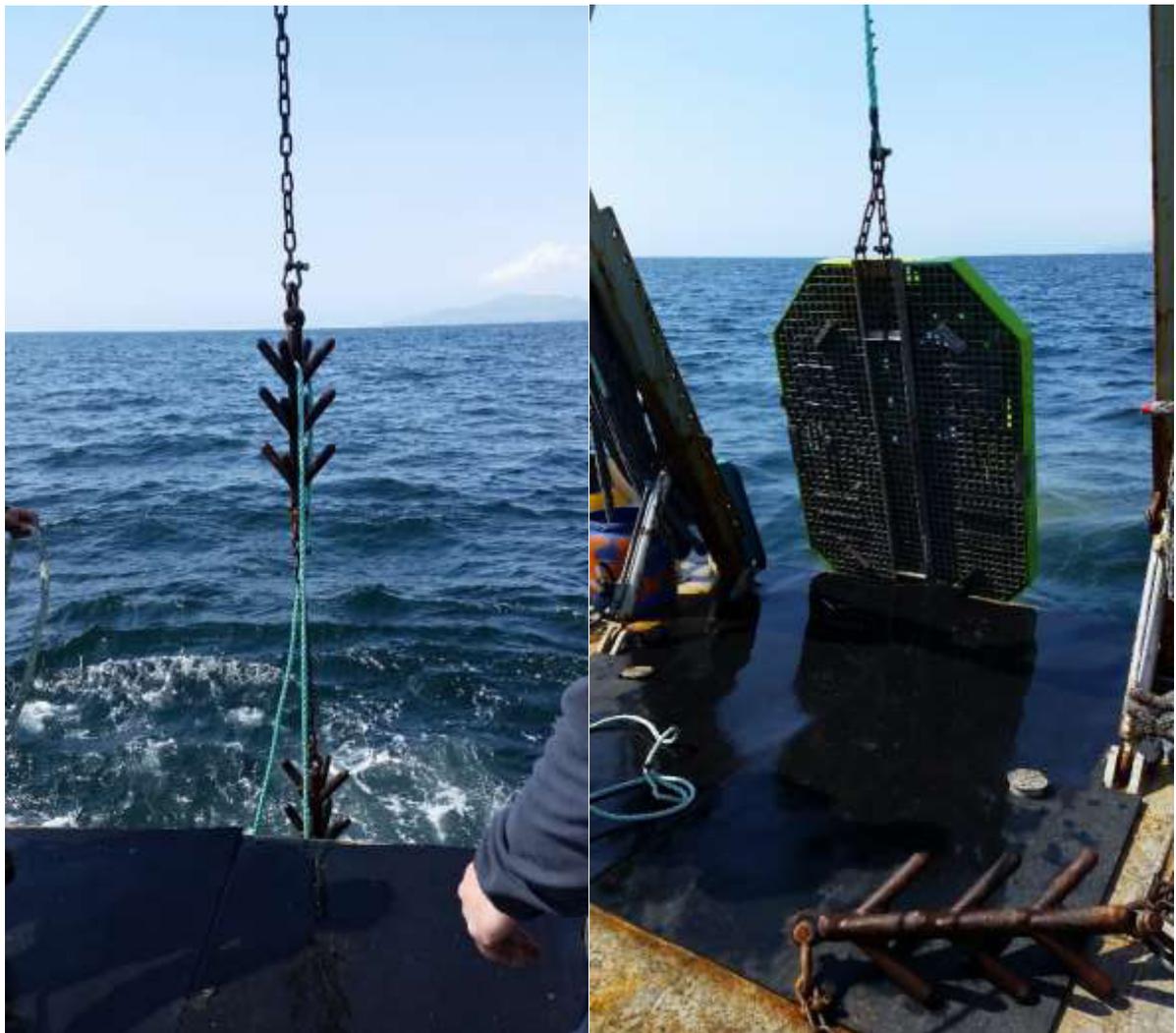


Figure 5: Left - The grapple hook caught with the grapple line.

Right - The grapple line is winched in to retrieve the ADCP frame.

The Marine Survey Office have requested that Part 6 (Navigation Safety) of the application form is completed.

Following pre application consultation with the Department of Housing, Planning and Local Government a final application for a licence under Section 3.3 of the Foreshore Act 1933 (as amended) was submitted. The Section 3.3 application does not include Part 6 – Navigational Safety Considerations, however as per the request of the Marine Survey Office the Part 6 section as taken from the full standard application form is completed below.

Part 6: Navigational Safety Considerations. (Your consultations with relevant stakeholders may inform your answers. Attach additional documents as required and mark under the R column)

	Navigational Safety Considerations.	Yes	No	R
6.1	<p>Are there public navigational safety implications arising from the proposed works?</p> <p>A marine notice will be issued to advise local marine users of the ADCP frames locations prior to deployment. Vessel traffic will not need to avoid the area but should be aware of the ADCP frames and maintain the standard precautionary measures.</p>		✓	
6.2	<p>What marine activity is there in the area?</p> <p>Tralee Bay, Castlemaine and Valentia Island coastal areas are a major asset to the Kerry region with respect to marine leisure and commercial activities. A range of marine activities such as surfing, rowing, sailing, angling, leisure boats and commercial vessels utilise these Bays and Harbours. A number of beaches are also utilised by locals and/or tourists visiting the area. There are RNLI lifeboat stations located at Valentia and Fenit.</p>	✓		

<p>6.3</p>	<p>How will the marine activity be affected by the proposed works?</p> <p>The deployment of the ADPCs is temporary and the ADCP frames will occupy a very small area of the seabed (2.16m² x 5), therefore it is anticipated the ADCP frames will not negatively affect the marine activity in Tralee Bay, Castlemaine and Valentia Island during the deployment period.</p>		<p>✓</p>	
<p>6.4</p>	<p>What mitigating measures will be put in place?</p> <p>A marine notice will be issued to ensure that seafarers are aware of the locations and timeframe of the equipment being deployed. This notice will give a general description of operations and approximate dates of commencement and completion.</p>	<p>✓</p>		
<p>6.5</p>	<p>How will the proposed works affect Marine Navigation in the future?</p> <p>N/A</p>		<p>✓</p>	

2.4 Sea Fisheries Protection Authority

Sea Fisheries Protection Authority comments:

“the SFPA have reviewed the application for temporary ADCP deployment in Co. Kerry and has no comments to make regarding the application.”

Response:

Noted.

3 Conclusion

Techworks Marine would like to thank all the prescribed bodies for their observations made regarding our applications. All comments have been noted and actions taken to address any queries outlined to us.

The full list of observations received can be viewed in **Appendix A** and follow up email correspondence with local representatives / authorities can be seen in **Appendix B**.

Appendix A – Prescribed Bodies Observations



**Iascach Iníre Éireann
Inland Fisheries Ireland**

MARINE LICENCE VETTING COMMITTEE:

- 1. Deployment of five Acoustic Doppler Current Profiler frames in Tralee Bay, Co. Kerry (FS007101)**
- 2. Deployment of five Acoustic Doppler Current Profiler frames in Valentia Island, Co. Kerry (FS007102)**
- 3. Deployment of five Acoustic Doppler Current Profiler frames in Castlemaine [REDACTED] Kerry (FS007 [REDACTED])**

Request for observations from Mr [REDACTED] (DECLG) dated 24.06.2020

Overview

TechWorks Marine plan to deploy five Acoustic Doppler Current Profiler (ADCP) frames on the seabed in 3 distinct locations along the Kerry coast (Tralee Bay, Castlemaine and Valentia Island). At each site five ADCP will be deployed for a minimum duration of 35 days, maximum 2 months to collect data on current, speed and direction at each location. This data will be used to validate a hydrodynamic model being developed for Irish Water, for the assessment of impacts on shellfish waters by wastewater treatment systems.

IFI Comments

Inland Fisheries Ireland does not have any issues with the three proposed Foreshore applications. The temporary nature of the operation and small footprint should not have a negative effect on the different locations and the results will be beneficial to the understanding of currents and water movement in the area.

Recreational sea angling is an important activity for the local economy along the Kerry coast and these locations are a popular destination for anglers looking for salmon, sea trout, bass, wrasse species and elasmobranchs. Tralee Bay is noted for its diverse range of elasmobranch species (rays, skates and sharks), including several vulnerable species. In this regard Tralee Bay is unique internationally in supporting such a diverse range of endangered elasmobranchs.

IFI note that the applications outlines details to ensure local users will be aware of the presence of the buoys and that the marker buoys will be well marked. This is essential due to the volume of marine leisure activities carried out in these areas. The application does not outline the frequency the ADCP operates at; this information would be useful in assessing the impact on the local fish population.



**Iascach Intíre Éireann
Inland Fisheries Ireland**

There is a draft salmon fishery in the Castlemaine harbour operating from May to August however the deployment appears to be outside the fishing area.

In relation to the oyster fishing in Tralee Bay the local fishery manager should be consulted. The opinion of the SFPA should be sought in regard to commercial fish species in these locations.

[REDACTED] (IFI R&D) & [REDACTED] (IFI)

10.07.2020

[REDACTED]

Marine Institute Comments on Foreshore Licence Application by TechWorks Marine Ltd – Deployment of 5 No. bottom mounted Acoustic Doppler Current Profilers (ADCPs) in Tralee Bay (FS007101)

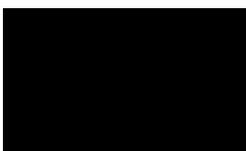
TechWorks Marine Ltd has submitted an application for a Foreshore Licence for the deployment of 5 No. bottom mounted Acoustic Doppler Current Profilers (ADCPs) in Tralee Bay. The purpose of the deployment of the devices is to measure currents through the water column at each of the proposed deployment locations in order to validate a Hydrodynamic model, which is being developed for the area by Irish Water, for the assessment of impacts on shellfish waters by wastewater treatment systems

The proposed deployment locations are shown in Drawing No. FS-T-001 “Foreshore Licence Map ADCP locations in Tralee Bay” , Rev 1, dated 19/03/2020, submitted by the applicant. It is intended that each device will be deployed for a period of between 35 days and 2 months.

The ADCPs will be mounted in “over-trawlable” / trawl resistant frames and deployed on the seabed. Each of the ADCP devices is approx. 1.2m x 0.8m, the frames are approx. 1.8m x 1.2m and the area of the seabed occupied by the devices will be approximately 2.16m².

The locations of the proposed deployment of the devices are within Tralee Bay Oyster Fishery Order Area. Given the very small area of seabed occupied by each of the devices (2.16m²), the fact that the devices will be mounted in a trawl resistant frame and the short duration of the deployment, significant adverse impact on aquaculture activity in Tralee Bay is not considered likely. Similarly, adverse impacts on sea fishing / seafisheries in Tralee Bay are not considered likely. There will be no significant impacts on the marine environment in the area and water quality will not be effected.

On the basis of the above the Marine Institute has no objections to a Foreshore Licence being granted.




Marine Environment and Food Safety Services
Marine Institute
25/06/2020

Marine Institute Comments on Foreshore Licence Application by TechWorks Marine Ltd – Deployment of 5 No. bottom mounted Acoustic Doppler Current Profilers (ADCPs) off the coast of Valentia Island, Co. Kerry (FS007102)

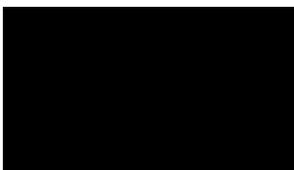
TechWorks Marine Ltd has submitted an application for a Foreshore Licence for the deployment of 5 No. bottom mounted Acoustic Doppler Current Profilers (ADCPs) on the foreshore off the coast of Valentia Island, Co. Kerry. The purpose of the deployment of the devices is to measure currents through the water column at each of the proposed deployment locations in order to validate a Hydrodynamic model, which is being developed for the area by Irish Water, for the assessment of impacts on shellfish waters by wastewater treatment systems

The proposed deployment locations are shown in Drawing No. in Drawing No. FS-VI-001 “Foreshore Licence Map ADCP locations at Valentia Island”, dated 24/02/2020, submitted by the applicant. It is intended that each device will be deployed for a period of between 35 days and 2 months.

The ADCPs will be mounted in “over-trawlable” / trawl resistant frames and deployed on the seabed. Each of the ADCP devices is approx. 1.2m x 0.8m, the frames are approx. 1.8m x 1.2m and the area of the seabed occupied by the devices will be approximately 2.16m².

There are no licenced aquaculture sites at the locations proposed for the deployment of the ADCPs and therefore no impacts on aquaculture at these locations. Given the very small area of seabed occupied by the device (2.16m²), the fact that the device will be mounted in a trawl resistant frame and the short duration of the deployment, significant adverse impact on aquaculture activity in the Valentia Island area is not considered likely. Similarly, adverse impacts on sea fishing / seafisheries in the Valentia Island area are not considered likely. There will be no significant impacts on the marine environment in the area and water quality will not be effected.

On the basis of the above the Marine Institute has no objections to a Foreshore Licence being granted.



Marine Environment and Food Safety Services
Marine Institute
24 June 2020

Marine Institute Comments on Foreshore Licence Application by TechWorks Marine Ltd – Deployment of 5 No. bottom mounted Acoustic Doppler Current Profilers (ADCPs) in Castlemaine Harbour and Dingle Bay (FS007133)

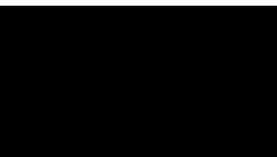
TechWorks Marine Ltd has submitted an application for a Foreshore Licence for the deployment of 5 No. bottom mounted Acoustic Doppler Current Profilers (ADCPs) in Castlemaine Harbour and Dingle Bay. The purpose of the deployment of the devices is to measure currents through the water column at each of the proposed deployment locations in order to validate a Hydrodynamic model, which is being developed for the area by Irish Water, for the assessment of impacts on shellfish waters by wastewater treatment systems

The proposed deployment locations are shown in Drawing No. in Drawing No. FS-C-001 “Foreshore Licence Map ADCP locations at Castlemaine Harbour”, dated 06/05/2020 submitted by the applicant. It is intended that each device will be deployed for a period of between 35 days and 2 months.

The ADCPs will be mounted in “over-trawlable” / trawl resistant frames and deployed on the seabed. Each of the ADCP devices is approx. 1.2m x 0.8m, the frames are approx. 1.8m x 1.2m and the area of the seabed occupied by the devices will be approximately 2.16m².

There are no licenced aquaculture sites at the locations proposed for the deployment of ADCP1, ADCP2 and ADCP3 and therefore no impacts on aquaculture at these locations. The locations of the proposed deployment of ADCP4 and ADCP5 are within a licenced aquaculture site (T06/007M). Given the very small area of seabed occupied by each device (2.16m²), the fact that the device will be mounted in a trawl resistant frame and the short duration of the deployment, significant adverse impact on aquaculture activity the area is not considered likely. Similarly, adverse impacts on sea fishing / seafisheries in the Castlemaine Harbour and Dingle Bay area are not considered likely. There will be no significant impacts on the marine environment in the area and water quality will not be effected.

On the basis of the above the Marine Institute has no objections to a Foreshore Licence being granted.



Marine Environment and Food Safety Services
Marine Institute
25 June 2020

[REDACTED]

From: [REDACTED]@housing.gov.ie>
Sent: Tuesday 28 July 2020 15:32
To: [REDACTED]
Subject: FW: Application for Foreshore licence for ADCP deployments in Co. Kerry

Hi [REDACTED]

Attached are comments from [REDACTED] from the Marine Survey Office received this afternoon. I had requested his comments separately to the other members of the Ministerial prescribed bodies .

Regards,

From: [REDACTED]@dttas.gov.ie]
Sent: 28 July 2020 14:40
To: [REDACTED]@housing.gov.ie>
Cc: [REDACTED]@dttas.gov.ie>; [REDACTED]@dttas.gov.ie>
Subject: RE: Application for Foreshore licence for ADCP deployments in Co. Kerry

Good afternoon [REDACTED]

I refer to the above three similar applications and wish to advise that prior to the deployment of any apparatus, this office requires confirmation that the applicant has consulted with the local / harbour authorities whose areas of jurisdiction may be impacted by such deployment. This is particularly significant with respect to the location of the marker buoys and their proximity to main navigation channels or safe anchorage locations and the impact if any on navigational safety.

The applicant is further required to indicate whether these buoys will be illuminated during the hours of darkness / reduced visibility and in that respect has statutory sanction be granted by the Commissioners of Irish Lights.

In addition, the applicant is required to consult with the Irish Coast Guard to provide location information of these marker buoys in order to avoid the possibility of obstruction / interference during possible search and rescue operations in these areas.

Finally, the applicant is required to complete section 6 (Navigation Safety Implications) of the application form.

Best regards.

[REDACTED]
Marine Survey Office

An Roinn Iompair, Turasóireachta agus Spóirt
Department of Transport, Tourism and Sport

An Tsráid Mhór Uachtarach, Béal Átha Seanaidh, Co. Dhún Na Ngall, F94 C44W
Upper Main Street, Ballyshannon, Co Donegal, F94 C44W

[REDACTED]

From: [REDACTED]@housing.gov.ie>
Sent: Tuesday 28 July 2020 12:40
To: [REDACTED]
Subject: FW: Application for Foreshore licence for ADCP deployments in Co. Kerry

Hi [REDACTED]

Attached is return from Sea Fisheries Protection Authority on your application. They have no comments to make.

Regards,

[REDACTED]

From: [REDACTED]@sfpa.ie]
Sent: 25 July 2020 09:13
To: [REDACTED]@housing.gov.ie>
Cc: [REDACTED]@sfpa.ie>; [REDACTED]@sfpa.ie>
Subject: Re: Application for Foreshore licence for ADCP deployments in Co. Kerry

Hello [REDACTED]

I'm the SFPA have reviewed the application for temporary ADCP deployment in Co. Kerry and has no comments to make regarding the application.

Kind regards,

[REDACTED]

[REDACTED]
Sea Fisheries Protection Authority
Eastern Region
Auction Hall
West Pier
Howth
Co. Dublin

[REDACTED]

On 24 Jul 2020, at 12:31, [REDACTED]@housing.gov.ie> wrote:

CAUTION: This Email originated from Outside of this department. Do not click links or open attachments unless you recognise the sender and know the content is safe. Otherwise Please Forward any suspicious Emails to Notify.Cyber@agriculture.gov.ie .

Hi,

Just a reminder for any obs. you might have on the three ADCP deployments in Co. Kerry.

Regards,

██████████

From: ██████████
Sent: 24 June 2020 11:24
To: ██████████@marine.ie' ██████████ ██████████@chg.gov.ie>;
'foreshore@agriculture.gov.ie' <foreshore@agriculture.gov.ie>; ██████████@sfpa.ie'
██████████@sfpa.ie>; ██████████@fisheriesireland.ie' ██████████
██████████@fisheriesireland.ie>
Subject: Application for Foreshore licence for ADCP deployments in Co. Kerry

Hi folks,

Please find the attached request for your observations on an application for the deployment of ADCP frames as contained in the application form and associated documents appearing on the Department's website.

Regards,

—
██████████
Marine Planning Policy and Development

—
An Roinn Tithíochta, Pleanála agus Rialtais Áitiúil
Department of Housing, Planning and Local Government

Bóthar an Bhaile Nua, Loch Garman, Y35AP90
Newtown Road, Wexford, Y35AP90

—
██████████
www.tithiocht.gov.ie
www.housing.gov.ie

Is faoi rún agus chun úsáide an té nó an aonán atá luaite leis, a sheoltar an ríomhphost seo agus aon comhad atá nasctha leis. Má bhfuair tú an ríomhphost seo trí earráid, déan teagmháil le bhainisteoir an chórais.

Deimhnítear leis an bhfo-nóta seo freisin go bhfuil an teachtaireacht ríomhphoist seo scuabtha le bogearraí frithviorais chun viorais ríomhaire a aimsiú.

This email and any files transmitted with it are confidential and intended solely for the use of the individual or entity to whom they are addressed. If you have received this email in error please notify the system manager.

This footnote also confirms that this email message has been swept by anti-virus software for the presence of computer viruses.

<Prescribed bodies consultation Techworks FS007101, FS007102 & FS007133.docx>

Disclaimer:

Sea-Fisheries Protection Authority

Appendix B – Correspondence Records

[REDACTED]

From: [REDACTED]<[REDACTED]@kerrycoco.ie>
Sent: Thursday 30 July 2020 12:41
To: [REDACTED]
Subject: RE: ADCP deployments in Tralee Bay

Ok thanks [REDACTED]
You'll be doing well to have them deployed by end of Aug/Sept.

Regards
[REDACTED]

From: [REDACTED]<[REDACTED]@techworks.ie>
Sent: 29 July 2020 09:22
To: [REDACTED]<[REDACTED]@kerrycoco.ie>
Subject: ADCP deployments in Tralee Bay

[Caution: External Sender] Use care when opening attachments or clicking links unless you can verify the sender.

Dear [REDACTED]

TechWorks Marine wish to inform you that we have submitted an application for a Foreshore Licence for the deployment of five bottom mounted Acoustic Doppler Current Profilers (ADCPs) in Tralee Bay. The purpose of the deployment of these sensors is to measure currents through the water column at each of the deployment locations in order to validate a Hydrodynamic model which is being developed for the area by Irish Water. The deployment locations are shown in the attached Foreshore Licence Map.

It is intended that each ADCP be deployed for a period of 30 days. The proposed deployment date will be the end of August or September time, dependent on foreshore consent.

The ADCPs will be mounted in "over-trawlable" / trawl resistant frames and deployed on the seabed. Each of the ADCP devices is approx. 1.8m (l) x 1.2m (w) x 0.5m (h) and the area of the seabed occupied by the devices will be approximately 2.2m².

Our full application can be viewed on the Departments website on the link below:

<https://www.housing.gov.ie/planning/foreshore/applications/techworks-tralee-bay-deployment-5-adcp-devices>

A Marine Notice will be issued prior to any deployment to advise marine traffic of their presence.

If you have any queries or require any additional information please do not hesitate to contact me.

Thanks for your time.

Kind regards,

[REDACTED]
Marine Scientist

[REDACTED]

From: [REDACTED]@kerrycoco.ie>
Sent: Thursday 30 July 2020 13:23
To: [REDACTED]
Subject: RE: ADCP deployments at Valentia Island

Dear [REDACTED]

I wish to acknowledge receipt of your e-mail and wish to advise that I have forwarded same to [REDACTED], Senior Engineer, for his attention and direct reply.

Regards

[REDACTED]
[REDACTED]
*Roads and Transportation
Kerry County Council
(066 – [REDACTED]*

From: [REDACTED]@techworks.ie>
Sent: 29 July 2020 10:47
To: County Secretary <secretary@kerrycoco.ie>
Subject: ADCP deployments at Valentia Island

[Caution: External Sender] Use care when opening attachments or clicking links unless you can verify the sender.

To whom it may concern,

Can you please direct my email below to the local authority representative for Knightstown Harbour.

TechWorks Marine wish to inform you that we have submitted an application for a Foreshore Licence for the deployment of five bottom mounted Acoustic Doppler Current Profilers (ADCPs) at Valentia Island. The purpose of the deployment of these sensors is to measure currents through the water column at each of the deployment locations in order to validate a Hydrodynamic model which is being developed for the area by Irish Water. The deployment locations are shown in the attached Foreshore Licence Map.

It is intended that each ADCP be deployed for a period of 30 days. The proposed deployment date will be the end of August or September time, dependent on foreshore consent.

The ADCPs will be mounted in "over-trawlable" / trawl resistant frames and deployed on the seabed. Each of the ADCP devices is approx. 1.8m (l) x 1.2m (w) x 0.5m (h) and the area of the seabed occupied by the devices will be approximately 2.2m².

Our full application can be viewed on the Departments website on the link below:
<https://www.housing.gov.ie/planning/foreshore/applications/techworks-valentia-island-deployment-5-adcp-devices>

A Marine Notice will be issued prior to any deployment to advise marine traffic of their presence.

If you have any queries or require any additional information please do not hesitate to contact me.

Thanks for your time.

Kind regards

[REDACTED]
Marine Scientist



TechWorks Marine Ltd
Pottery Enterprise Zone
Pottery Road
Dun Laoghaire
Co. Dublin

Phone: + [REDACTED]
Fax: + [REDACTED]
Email: [REDACTED]@[techworks.ie](mailto:[REDACTED]@techworks.ie)
Web: www.techworks.ie

From: [REDACTED]@techworks.ie>
Sent: Wednesday 29 July 2020 10:38
To: [REDACTED]@irishcoastguard.ie
Subject: ADCP deployments in Kerry
Attachments: Foreshore Licence Maps.pdf

Dear Valentia MRSC,

TechWorks Marine wish to inform you that we have submitted an applications for a Foreshore Licence for the deployment of five bottom mounted Acoustic Doppler Current Profilers (ADCPs) at Valentia Island, Castlemaine Harbour and Tralee Bay. The purpose of the deployment of these sensors is to measure currents through the water column at each of the deployment locations in order to validate a Hydrodynamic model which is being developed for the area by Irish Water. The deployment locations are shown in the attached Foreshore Licence Maps.

It is intended that each ADCP be deployed for a period of 30 days. The proposed deployment date will be the end of August or September time, dependent on foreshore consent.

The ADCPs will be mounted in "over-trawlable" / trawl resistant frames and deployed on the seabed. Each of the ADCP devices is approx. 1.8m (l) x 1.2m (w) x 0.5m (h) and the area of the seabed occupied by the devices will be approximately 2.2m².

Our full applications can be viewed on the Departments website on the link below:
https://www.housing.gov.ie/planning/foreshore/applications/overview?title_1=TechWorks&field_date_received_value%5Bvalue%5D%5Byear%5D=&field_application_status_tid=All&field_fa_county_tid=540&items_per_page=20

A Marine Notice will be issued prior to any deployment to advise marine traffic of their presence.

We do not anticipate any obstruction / interference during possible search and rescue operations in these areas.

If you have any queries or require any additional information please do not hesitate to contact me.

Thanks for your time.

Kind regards

[REDACTED]
Marine Scientist



TechWorks Marine Ltd
Pottery Enterprise Zone
Pottery Road
Dun Laoghaire
Co. Dublin

Phone: + [REDACTED]
Fax: + [REDACTED]
Email: [REDACTED]@techworks.ie
Web: www.techworks.ie

From: [REDACTED]@techworks.ie>
Sent: Tuesday 28 July 2020 17:29
To: [REDACTED]@agriculture.gov.ie
Cc: dingleharbour@agriculture.gov.ie
Subject: ADCP deployments in Castlemaine Harbour
Attachments: Cromane Foreshore Licence Map.pdf

Dear [REDACTED]

TechWorks Marine wish to inform you that we have submitted an application for a Foreshore Licence for the deployment of five bottom mounted Acoustic Doppler Current Profilers (ADCPs) in Dingle Bay / Castlemaine Harbour. The purpose of the deployment of these sensors is to measure currents through the water column at each of the deployment locations in order to validate a Hydrodynamic model which is being developed for the area by Irish Water. The deployment locations are shown in the attached Foreshore Licence Map.

It is intended that each ADCP be deployed for a period of 30 days. The proposed deployment date will be the end of August or September time, dependent on foreshore consent.

The ADCPs will be mounted in "over-trawlable" / trawl resistant frames and deployed on the seabed. Each of the ADCP devices is approx. 1.8m (l) x 1.2m (w) x 0.5m (h) and the area of the seabed occupied by the devices will be approximately 2.2m².

Our full application can be viewed on the Departments website on the link below:

<https://www.housing.gov.ie/planning/foreshore/applications/techworks-castlemaine-harbour-deployment-5-adcp-devices>

A Marine Notice will be issued prior to anyr deployment to advise marine traffic of their presence.

If you have any queries or require any additional information please do not hesitate to contact me.

Thanks for your time.

Kind regards,

[REDACTED]
Marine Scientist



TechWorks Marine Ltd
Pottery Enterprise Zone
Pottery Road
Dun Laoghaire
Co. Dublin

Phone: [REDACTED]
Fax: [REDACTED]
Email: [REDACTED]@techworks.ie
Web: www.techworks.ie

From: [REDACTED]@techworks.ie>
Sent: Tuesday 14 July 2020 12:02
To: traleebayoysters@gmail.com
Subject: TechWorks Marine Foreshore Licence Application
Attachments: TWM_Traleebay_ADCPs_Section 3.3 Application Form.pdf

Dear Tralee Bay Oyster Fishery Society,

Our company TechWorks Marine has submitted an application for a Foreshore Licence for the deployment of five bottom mounted Acoustic Doppler Current Profilers (ADCPs) in Tralee Bay. The purpose of the deployment of these sensors is to measure currents through the water column at each of the deployment locations in order to validate a Hydrodynamic model which is being developed for the area by Irish Water. The deployment locations of the ADCPs are within your aquaculture site for oysters (Ref No: T06/004). The deployment locations are shown in the attached application and can be seen in the "Foreshore Licence Map".

It is intended that each ADCP be deployed for a period of 30 days. The proposed deployment date will be the end of August or September time, dependent on foreshore consent.

The ADCPs will be mounted in "over-trawlable" / trawl resistant frames and deployed on the seabed. Each of the ADCP devices is approx. 1.8m (l) x 1.2m (w) x 0.5m (h) and the area of the seabed occupied by the devices will be approximately 2.2m². Please find attached our foreshore licence application submitted to the Department for further information which includes pictures of the ADCP frames.

Our application can also be viewed on the Departments website on the link below:
<https://www.housing.gov.ie/planning/foreshore/applications/techworks-tralee-bay-deployment-5-adcp-devices>

If you have any queries or require any additional information please do not hesitate to contact me.

Thanks for your time.

Kind regards,

[REDACTED]
Marine Scientist



TechWorks Marine Ltd
Pottery Enterprise Zone
Pottery Road
Dun Laoghaire
Co. Dublin

Phone: + [REDACTED]
Fax: + [REDACTED]
Email: [REDACTED]@techworks.ie
Web: www.techworks.ie