



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

For Office Use

Ref. No. _____

Application date: _____

Date of receipt. _____

Date Validated: _____

**APPLICATION FOR A LEASE/LICENCE/CONSENT UNDER THE FORESHORE ACT
1933 (AS AMENDED)**

- Applications for **Offshore renewable energy (ORE)** projects should use an ORE specific form.
- Please complete the form electronically. Type details in the boxes provided, space will expand as you type.
- The enclosures checklist should also be completed
- Tá an leagan Gaeilge den fhoirm seo ar fáil ar iarratas.

**BEFORE FILLING OUT THIS FORM PLEASE READ THE DECLARATION AND
CONSENT ON PAGE 9:**

**IT IS IMPORTANT TO NOTE THAT A CHANGE IN APPLICANT NAME WILL REQUIRE
A NEW APPLICATION.**

DATA PROTECTION

The Office of the Data Protection Commissioner states that the sending of marketing material to individuals without consent may result in action by the Data Protection Commissioner against the sender including prosecution. It is the responsibility of persons or entities wishing to use any personal data on an application form for direct marketing purposes to be satisfied that that they may do so legitimately under the requirements of the Data Protection Acts 1998 and 2003 and with regard to General Data Protection Regulation (2016/679) requirements.

Applicant Name and Address:

Full Name of Applicant (not Agent): [Ciara Gilligan](#)

Company/Organisation: [TechWorks Marine Ltd](#)

Address: [Pottery Road Enterprise Zone, Pottery Road, Dun Laoghaire, Co. Dublin](#)

Eircode: [A96 K571](#)

Applicant Contact Details:

Phone No: [+ 353 1 2365990](#)

E-mail address: ciara.gilligan@techworks.ie; cc: field@techworks.ie

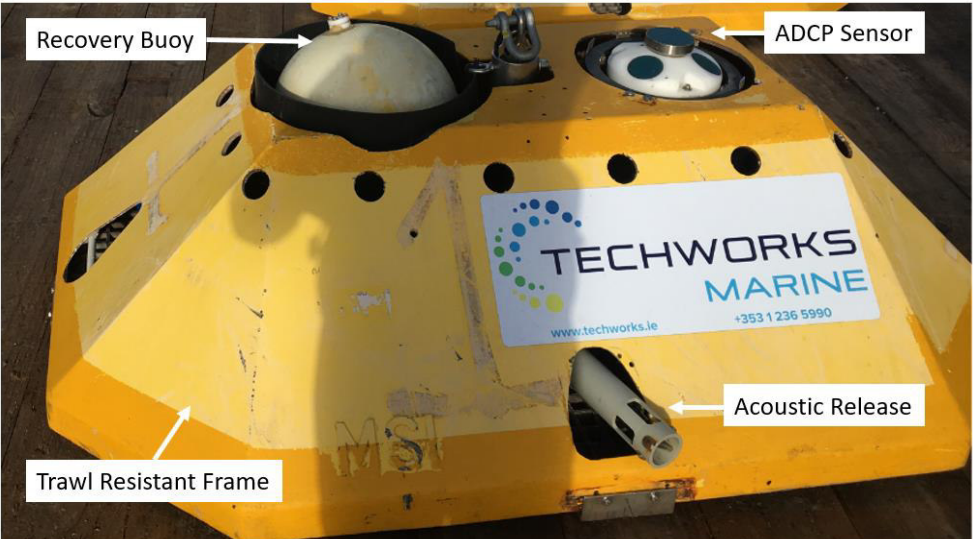
Agent (if any) Address/Contact Details:

Person/Agent acting on behalf of the Applicant: n/a
Company: n/a
Address: n/a
Eircode: n/a
Phone No: n/a
E-mail address: n/a

Applicant's Legal Advisor:

Name: n/a
Address: n/a
Eircode: n/a
Phone No: n/a
E-mail address: n/a

Part 1: Proposal Details (Attach additional documents as required)

<p>1.1</p>	<p>Description of proposed works/activity.</p> <p>TechWorks Marine plan to deploy five Acoustic Doppler Current Profiler (ADCP) frames (Figure 1) on the seabed in Sligo Bay for a duration of 35 days 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.</p>  <p><i>Figure 1: TechWorks Marine ADCP frame.</i></p>
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1.2

Describe the nature and scale of any structure to be erected on the foreshore. Is the structure proposed to be temporary or permanent?

The ADCP frames are bottom mounted trawl resistant frames that measure current data using Acoustic Doppler Current Profilers. These instruments are self-logging and will be deployed for 35 days to monitor a full tidal cycle. The frame is approx. 1.8m (length) x 1.2m (width). The deployment of this equipment is temporary.

Each ADCP frame will have a surface marker buoy and will be equipped with the following instrumentation: ADCP, acoustic pinger, acoustic release transponder, rigid recovery buoy and a recovery rope attached to the frame base (Figure 2). The ADCP will be mounted to the lid using a gimbal. The frame lid attaches to the base. There may also be a grapple line and anchor attached to the ADCP frame for its recovery.

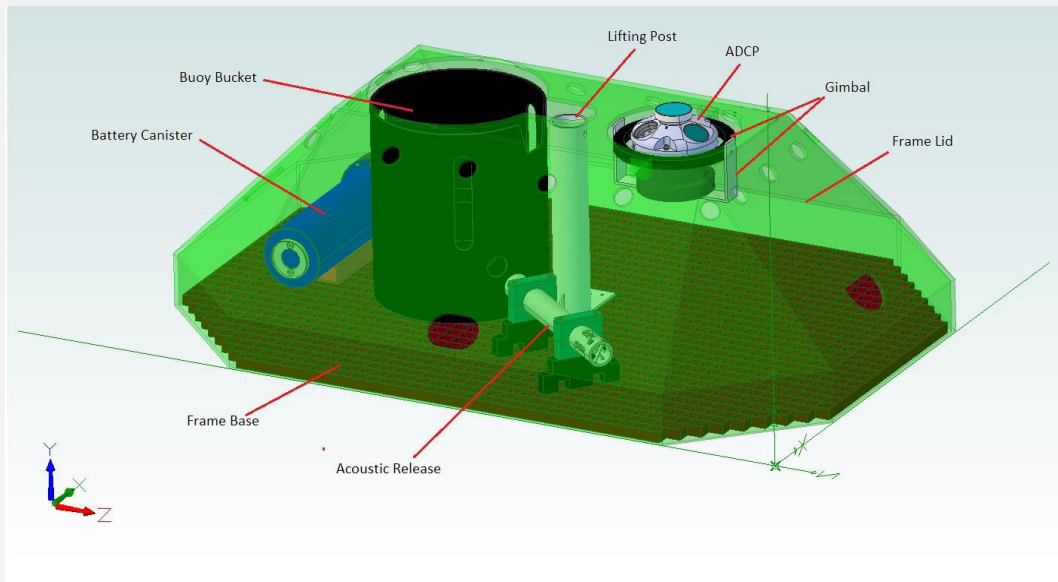


Figure 2: 3D image of the ADCP frame and equipment inside the frame.

1.3

Indicative timing of the works/activity: (i) Start date (ii) Duration (iii) Any other information relevant to timing.

- (i) Start date: Dependent on foreshore consent. The proposed deployment will be in 2020 or 2021.
- (ii) Duration: Once deployed the ADCP frames will be in place for a minimum period of 35 days and a maximum period of two months, retrieval of the equipment is weather dependant.
- (iii) Any other information relevant to timing: Water sampling surveys will be carried out at the same time as the deployments and these are tide and weather dependant and may cause a slight delay in recovery hence the two months.

1.4	<p>Primary usage for proposed development (please tick)</p> <table border="1" data-bbox="384 277 1203 645"> <tr><td>Use</td><td></td></tr> <tr><td>Industrial</td><td></td></tr> <tr><td>Commercial</td><td></td></tr> <tr><td>Within Fishery Harbour Centre</td><td></td></tr> <tr><td>Sea Fisheries</td><td></td></tr> <tr><td>Local Authority</td><td></td></tr> <tr><td>Community/Co Op scheme</td><td></td></tr> <tr><td>Other(specify)</td><td></td></tr> <tr><td>Temporary deployment of No.5 ADCP (Acoustic Doppler Current Profiler) trawl resistant seabed frames.</td><td style="text-align: center;">✓</td></tr> </table>	Use		Industrial		Commercial		Within Fishery Harbour Centre		Sea Fisheries		Local Authority		Community/Co Op scheme		Other(specify)		Temporary deployment of No.5 ADCP (Acoustic Doppler Current Profiler) trawl resistant seabed frames.	✓
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1.5	<p>Do the proposed works provide for public use, commercial use, restricted use or strictly private use? Provide Details</p> <p>The data collected will be strictly private use for the validation of a hydrodynamic model.</p>																		
1.6	<p>Might the proposed works restrict public use/enjoyment of the foreshore? Provide details.</p> <p>It is envisaged that the deployment of the ADCP frames will not restrict the public use / enjoyment of the foreshore. The frames are designed to be trawl resistant and will not pose as a hazard in terms of safe passage. A marine notice will be issued to advise marine traffic of the ADCPs locations.</p>																		
1.7	<p>Has the applicant held or does the applicant hold any previous Foreshore Licences, Leases or applications over the area sought or over any other area including pending applications? (Give details including Department's file reference number(s)).</p> <p>TechWorks Marine currently holds one foreshore license in place at Dublin Bay for the placement of four monitoring buoys (Ref no: FS006758).</p> <p>TechWorks Marine held foreshore licenses in place for the deployment of ADCP frames at the following locations:</p> <ul style="list-style-type: none"> • Lough Swilly, Co. Donegal (Ref no: FS006919). • Dungarvan Harbour Co. Waterford (Ref no: FS006949). • Waterford Harbour, Co. Waterford (Ref no: FS006995). 																		
1.8	<p>Status of planning permission application: Pending/granted/not required.</p> <p>Consent Authority: n/a Reference Number: n/a</p> <p>(Please provide copies of consents granted)</p>																		



1.9	<p>Are any other consents required for this proposal? Please detail.</p> <p>Consent type: n/a Consent Authority: n/a Reference Number: n/a Status of application: n/a</p> <p>(Please provide copies of consents granted)</p>
1.10	<p>Employment Implications (if any)</p> <p>n/a</p>
1.11	<p>Capital cost of proposed works (€ - Euro)</p> <p>n/a</p>
1.12	<p>Do the proposed works involve the draw down of European Union or State funding?</p> <p>n/a</p> <p>If "Yes" give details, including any time restrictions, etc. applying</p>

Part 2: Proposed Site. (Attach additional documents as required)

2.1	<p>County: County Sligo</p>
2.2	<p>Location name and nearest townland name:</p> <p>Sligo Bay / Sligo Harbour, Sligo town.</p>

2.3	<p>Geographic co-ordinates of the area under application in degrees minutes and seconds WGS84 for offshore developments and where the area can also be identified on the Ordnance Survey map and/or is connected to the seashore/mainland, specify Ordnance Survey map no and Irish Transverse Mercator coordinates</p> <table border="1" data-bbox="336 398 1422 719"> <thead> <tr> <th></th> <th colspan="2">Degrees, Minutes and Seconds</th> <th colspan="2">Irish Transverse Mercator</th> </tr> <tr> <th>Site ID</th> <th>Latitude</th> <th>Longitude</th> <th>Easting</th> <th>Northing</th> </tr> </thead> <tbody> <tr> <td>ADCP1</td> <td>54° 19' 01.801"</td> <td>-8° 39' 55.368"</td> <td>556708</td> <td>841141</td> </tr> <tr> <td>ADCP2</td> <td>54° 17' 01.190"</td> <td>-8° 39' 55.829"</td> <td>556664</td> <td>837413</td> </tr> <tr> <td>ADCP3</td> <td>54° 17' 29.663"</td> <td>-8° 37' 01.618"</td> <td>559823</td> <td>838264</td> </tr> <tr> <td>ADCP4</td> <td>54° 18' 23.774"</td> <td>-8° 34' 58.480"</td> <td>562064</td> <td>839918</td> </tr> <tr> <td>ADCP5</td> <td>54° 18' 14.098"</td> <td>-8° 33' 55.246"</td> <td>563204</td> <td>839610</td> </tr> </tbody> </table>		Degrees, Minutes and Seconds		Irish Transverse Mercator		Site ID	Latitude	Longitude	Easting	Northing	ADCP1	54° 19' 01.801"	-8° 39' 55.368"	556708	841141	ADCP2	54° 17' 01.190"	-8° 39' 55.829"	556664	837413	ADCP3	54° 17' 29.663"	-8° 37' 01.618"	559823	838264	ADCP4	54° 18' 23.774"	-8° 34' 58.480"	562064	839918	ADCP5	54° 18' 14.098"	-8° 33' 55.246"	563204	839610
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2.4	<p>Please indicate the size of the Foreshore area (Ha²) or (M2) or (KM2)</p> <p>The ADCP frame dimensions are 1.8m (l) x 1.2m (w) x 0.5m (h). Each ADCP frame has a footprint of approximately 2.16 m² (0.000216 ha) on the seabed.</p>																																			
2.5	<p>If offshore please indicate distance from shore (Km):</p> <table border="1" data-bbox="432 1077 963 1308"> <thead> <tr> <th>Site ID</th> <th>Distance from Shore</th> </tr> </thead> <tbody> <tr> <td>ADCP1</td> <td>1.0 km</td> </tr> <tr> <td>ADCP2</td> <td>1.3 km</td> </tr> <tr> <td>ADCP3</td> <td>0.7 km</td> </tr> <tr> <td>ADCP4</td> <td>0.3 km</td> </tr> <tr> <td>ADCP5</td> <td>0.1km</td> </tr> </tbody> </table>	Site ID	Distance from Shore	ADCP1	1.0 km	ADCP2	1.3 km	ADCP3	0.7 km	ADCP4	0.3 km	ADCP5	0.1km																							
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2.6	<p>Is any of the foreshore in the proposed site in private ownership? If yes please provide documentary evidence of same (e.g. folio)</p> <p>No.</p>																																			
2.7	<p>Any other site details considered relevant:</p> <p>n/a</p>																																			

Part 3. Maps and Drawings, Please refer to Guidance on map and drawing requirements.

3.1	Site location map attached? Please include reference no(s). Site location Map is attached (Drawing No: FS_SG_000).
3.2	Foreshore Lease/Licence map attached? Please include reference no(s). Foreshore Licence Map is attached (Drawing No: FS_SG_001).
3.3	Drawings of structures to be used and or layout (if required) attached? Please detail and include reference no(s). The ADCP frame dimensions are 1.8m (l) x 1.2m (w) x 0.5m (h). Please refer to Figure 1 & Figure 2 included in this document for images of the ADCP frame and Figure 3 & Figure 4 below for deployment images.  <p>Figure 3: ADCP frame being lowered into the water.</p>  <p>Figure 4: Deployment of an ADCP frame.</p>

3.4	<p>Admiralty Chart attached?</p> <p>Admiralty Charts No. 2852_0 and 2852_1 is included in Foreshore Licence Map (Drawing No: FS_SG_001).</p>
3.5	<p>Other maps/drawings attached ?– please detail and include reference numbers</p> <ul style="list-style-type: none"> • Environment Sites Map (Drawing No: FS_SG_002) • Aquaculture Sites Map (Drawing No: FS_SG_003)

Part 4: Pre- application consultations

4.1	<p>Describe briefly any consultations undertaken with the following bodies:</p> <p>National Parks & Wildlife Service (NPWS) of the Department of Arts, Heritage, Regional, Rural and Gaeltacht Affairs</p> <ul style="list-style-type: none"> • National Monuments Service (NMS) of the Department of Arts, Heritage, Regional, Rural and Gaeltacht Affairs • Inland Fisheries Ireland • Sea Fisheries Protection Authority • Marine Institute • Marine Survey Office <p>Please also provide copies of correspondence.</p> <p>n/a</p>
4.2	<p>Describe briefly any consultations undertaken with other relevant authorities (e.g. Local Authority, Port/Harbour authority etc) or State Agencies.</p> <p>n/a</p>
4.3	<p>Describe any consultations undertaken to date with other foreshore users.</p> <p>n/a</p>

4.4	<p>Describe any likely interactions with activities of the public or other foreshore users during the construction and operational phases of the works/activities (e.g. fishing, aquaculture, sailing, and surfing swimming, walking). Describe any measures proposed to minimise inconvenience to other users.</p> <p>n/a</p>
4.5	<p>Have adjacent land owners, whose properties may be affected by these works been consulted? Please provide details/permissions as appropriate.</p> <p>n/a</p>

Part 5: Environmental Considerations
(your consultations with National Parks and Wildlife Service and National Monuments Service may inform your answers. Attach additional reports as required and mark under the R column)

www.epa.ie/downloads/advice/ea/guidelines/

www.environ.ie/en/DevelopmentHousing/PlanningDevelopment/EnvironmentalAssessment/

<http://www.npws.ie/protectedsites/appropriateassessment/>

<http://webgis.npws.ie/npwsviewer/>

	Environmental legislative requirements	Yes	No	R
5.1	Is an Environmental Impact Statement required for this proposal?		✓	
5.2	Is a Natura Impact Statement required for this proposal?		✓	

<p>5.3</p>	<p>Is the area within or adjacent to a NHA, pNHA, SAC, SPA, or National Park? Specify site names and code(s).</p> <p>The location of ADCP5 site is within Cummeen Strand/Drumcliff Bay (Sligo Bay) SAC and Cummeen Strand SPA designated sites of interest, please refer to the Environmental Sites Map (Drawing No: FS_SG_002) for the locations of all the ADCPs sites with respect to the environmental sites.</p> <p>Cummeen Strand/Drumcliff Bay (Sligo Bay) SAC (site code: 000627) coastal site is made up largely of two estuarine bays, Sligo Harbour and Drumcliff Bay. These are the estuaries of the Garvogue and Drumcliff rivers respectively. The estuaries are well sheltered and have extensive intertidal sand and mud flats. Coney Island provides the main shelter for Sligo Harbour, while a sandy/grassy spit protrudes from the Rosses peninsula and provides shelter for inner Drumcliff Bay. The estuarine and intertidal sand and mud flat habitats at this site are extensive in area, generally of good quality and show a good diversity of species and biotopes.</p> <p>Cummeen Strand SPA (site code: 004035) is of importance for the diversity of wintering waterfowl. The intertidal flats provide good feeding grounds for the wintering birds. Birds roost on the salt marshes and upper shoreline. The site has an internationally important population of Light-bellied Brent Goose.</p> <p>It is envisaged that no species or habitats within any SAC or SPA site will be impacted as a result of the deployment, operation and recovery of the ADCP frames given the nature and scale of the ADCP frames and the fact that deployment and recovery of the frames will be carried out to the highest standards, incorporating best practice methods. Therefore, no significant adverse effects will occur on the integrity of the Natura 2000 sites as a result of the temporary placement of the five ADCP frames at Sligo Bay.</p> <p><i>Source: NPWS (2013) Conservation Objectives: Cummeen Strand/Drumcliff Bay (Sligo Bay) SAC 000627. Version 1. National Parks and Wildlife Service, Department of Arts, Heritage and the Gaeltacht.</i></p>	<p>✓</p>		<p>✓</p>
<p>5.4</p>	<p>Describe any other projects or plans for the area, anticipated or developed, that in combination with this proposal, may have a significant effect on a Natura 2000 site: Please list with planning reference numbers (where available). n/a</p>		<p>✓</p>	

	Environmental Considerations	Yes	No	R
5.5	Will the proposal have any potential environmental impacts? If yes, please describe		✓	
5.6	Are you proposing any measures to mitigate the potential environmental impacts? If yes, please describe		✓	
5.7	Are there public health/safety implications arising from the proposed works? (e.g. effluent disposal, removal of derelict or dangerous structures etc.) If yes, please describe		✓	
5.8	Will the works involve the storage and/or disposal of waste? If "Yes" please give details of the type of waste and the proposed method of storage and/or disposal (including location)		✓	
5.9	Any other Environmental Considerations? If yes, please specify.		✓	

	Built Heritage Considerations	Yes	No	R
5.10	Does the area contain an archaeological site or feature? If yes, please specify.		✓	
5.11	Does the area contain or adjoin a listed archaeological site or monument? If yes, please specify.		✓	
5.12	Will the proposal have any potential impacts on the archaeological integrity of the site? If yes please describe		✓	
5.13	Are you proposing any measures to mitigate potential archaeological impacts? If yes, please describe?		✓	

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 locations prior to deployment.</p>		✓	
6.2	<p>What marine activity is there in the area?</p> <p>Sligo Bay and Harbour is a major asset to the Sligo 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 the Sligo Bay and Harbour. Sligo Harbour has two working jetties (Deepwater and Barytes) handle cargoes of coal, timber, fish meal and scrap. Sligo also has a number of beaches utilised by locals and/or tourists visiting the area. Sligo RNLI lifeboat station is located at Rosses Point. Sligo Bay Lifeboat Station operates an inshore B class Atlantic 85 and covers the area between Downpatrick Head and Inismurray Island.</p>	✓		
6.3	<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 (5 x 2.16m²), therefore it is anticipated the ADCP frames will not negatively affect the marine activity in Sligo Bay during the deployment period.</p>		✓	
6.4	<p>What mitigating measures will be put in place? n/a</p>		✓	
6.5	<p>How will the proposed works affect Marine Navigation in the future? n/a</p>		✓	

Part 7: Fishing/Aquaculture considerations (your consultations with IFI, SFPA, DAFM may inform your answers. Attach additional documents as required and mark under the R column)

	Fishing/Aquaculture considerations	Yes	No	R
7.1	<p>Is the proposal located in proximity to any of the following:</p> <ul style="list-style-type: none"> • aquaculture operation • designated Shellfish Growing Waters • fish spawning ground • other sensitive fisheries location <p>Please Illustrate on appropriate chart including distance in Km.</p> <p>The ADCP frames sites are not located within any operational aquaculture sites. ADCPs sites 3, 4 and 5 are in close proximity to designated waters for shellfish, please refer to Aquaculture Sites Map (Drawing No: FS_SG_003).</p> <p>The deployment of the ADCP frames is temporary and the frames will each occupy approximately 2.16m² of the seabed. The deployment and recovery of the ADCP frames will be carried out by a chartered vessel and a marine notice will be issued to advise local marine users of their presence.</p>		✓	✓
7.2	<p>Are there other potential impacts of the proposal on fishing/aquaculture in the area? If yes, please describe.</p>		✓	
7.3	<p>Are there any measures proposed to mitigate potential impacts on fisheries or aquaculture? If yes, please describe.</p>		✓	

Part 8 – Additional information

8.1	<p>Please detail any additional relevant information.</p> <p>None</p>
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Declaration and Consent:

The details provided here are correct to the best of my knowledge.

I understand that no works will be commenced, by me or my agents on the proposed site, without the prior written consent of the Minister.

By submitting this application form, I agree that the details provided (with personal contact details redacted) are to be published on the Department of Housing website and also that the full information provided including contact details are to be processed and retained by the Department of Housing, Planning and Local Government and shared with all appropriate Prescribed Bodies (as part of the Prescribed Bodies Consultation process) in furtherance of consideration for a foreshore Consent under the Foreshore Act 1933 (and Foreshore Amendment Act 2011).

I give consent to the Minister and his servants to copy this application and to make (a redacted) copy available for inspection and copying by the public. This consent relates to this application, to any further information, or submission provided by me or on my behalf and to the publication of the licence document.

Signature of Applicant (or his or her Agent):



Name of above Signatory (block letters):

CIARA GILLIGAN

Position Held:

MARINE SCIENTIST

Date: 01/04/2020

Return completed applications to:

Marine Environment and Foreshore Section
Department of Housing, Planning and Local Government
Newtown Road
Wexford
Y35 AP90

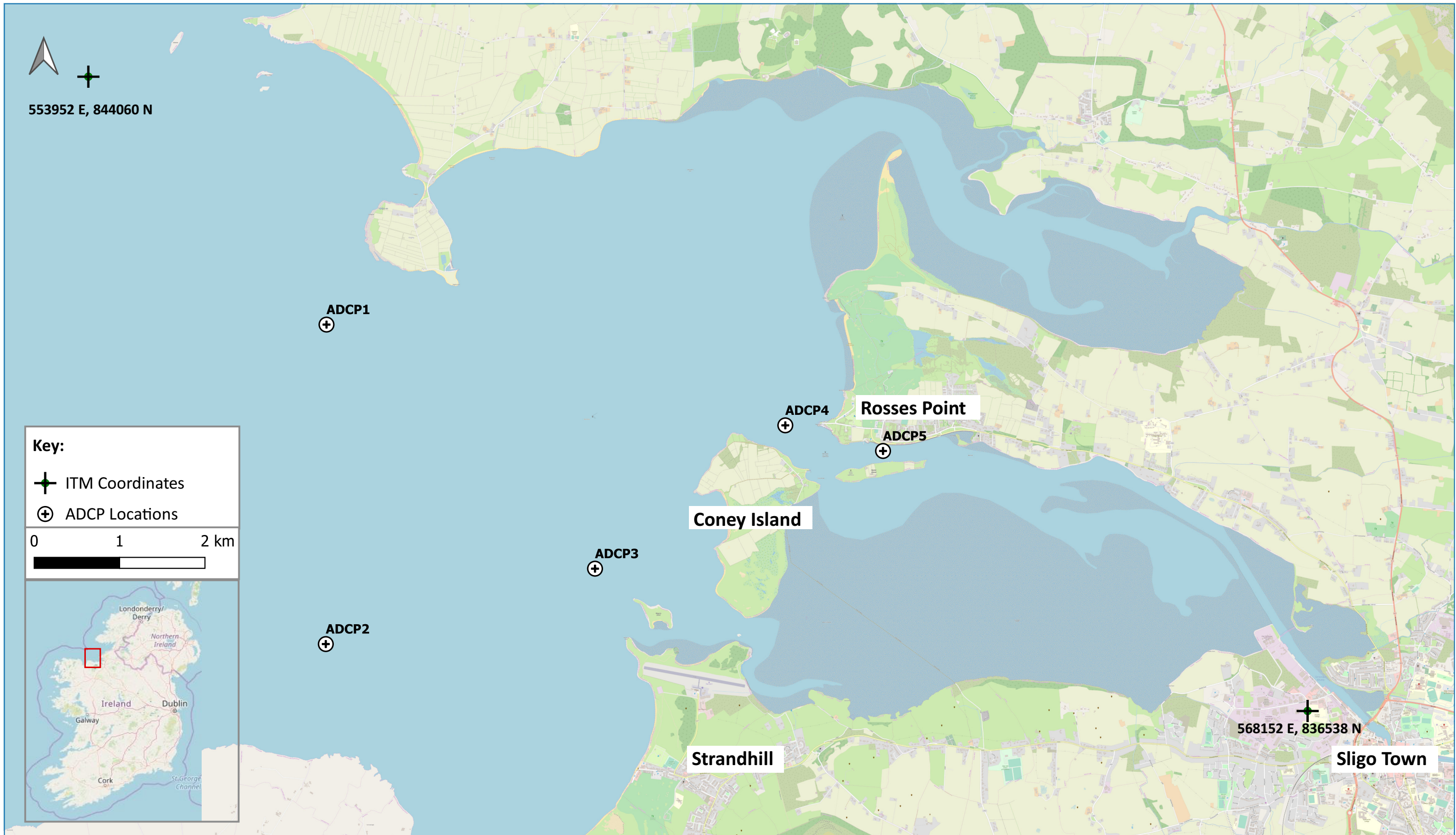
Enquiries to: Foreshore@housing.gov.ie (Other contact details to be included in Guidance materials)

Email a copy of application documents: Foreshore@housing.gov.ie

Enclosures Checklist

One hard copy of every document is required unless otherwise stated. Electronic versions of documentation must also be provided in searchable PDF format (no single file to be greater than 30mb) so that the Department can make them available on its website.

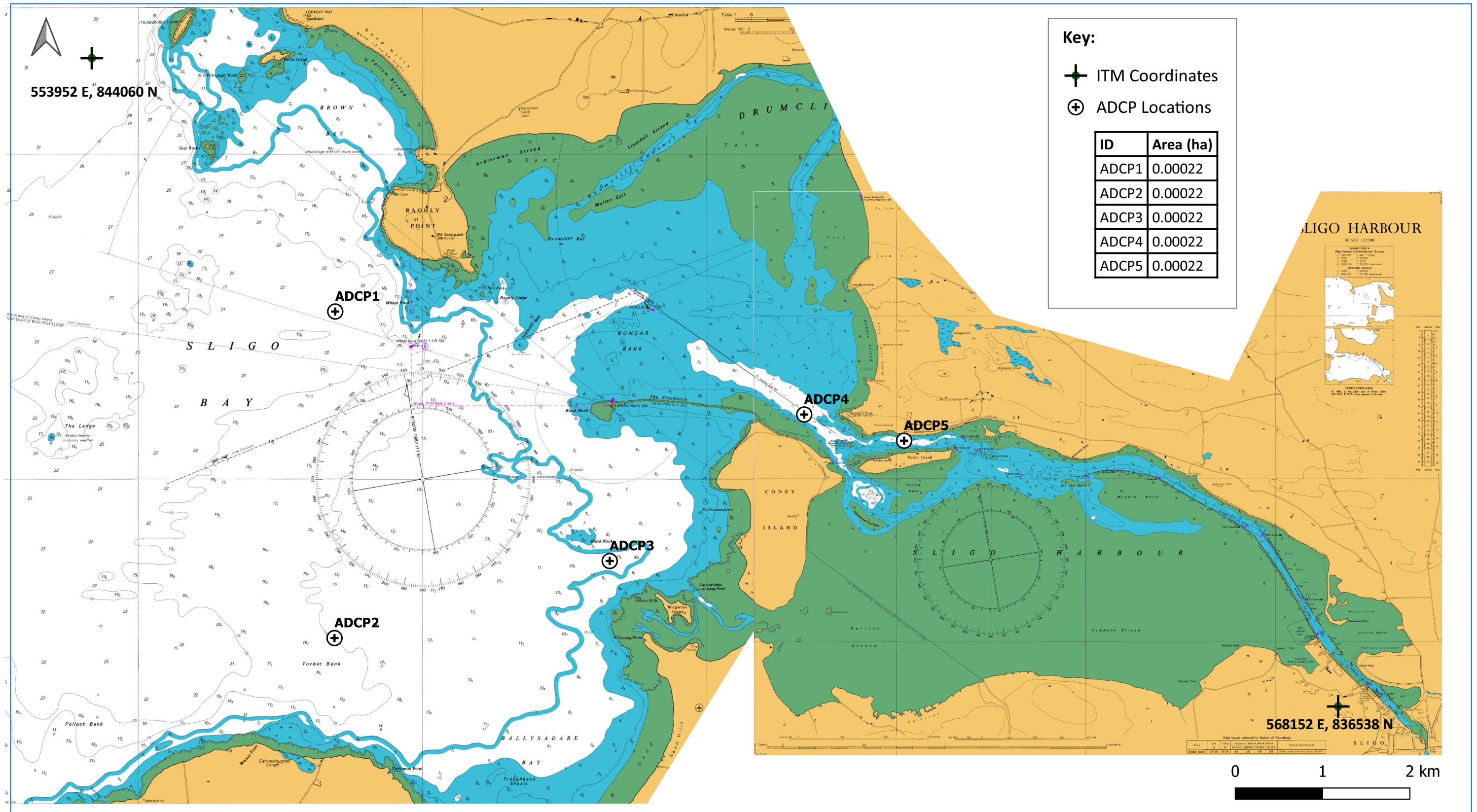
Item No.	Description	No. of copies Required	
1	Application Form. With original signature	4	✓
2	Mapping (see guidelines document) (i) Site Location map (ii) Foreshore Lease/licence map	4 4	✓ ✓
3	British Admiralty Chart (largest available scale)	1	n/a
4	Drawings of the structures to be used and/or layout	4	n/a
5	Pre-application correspondence with stakeholders.	1	n/a
6	Other statutory permissions: (i) Planning permission (ii) Effluent Discharge Licence (iii) Other consent (Please specify)	1 1 1	n/a
7	Company documentation (1): Certified copy of the Company's Memorandum and Articles of Association	1	n/a
8	Company documentation (2) Certificate of Incorporation of a Limited Liability, or Company/Rule Book/Constitution for a Club or Co-Operative Society as appropriate	1	n/a
9	Environmental Impact Statement (EIS). (i) Hard copy (ii) CDs	5 25	n/a
10	Natura Impact Statement (NIS) (i) Hard copy (ii) CDs	5 4	n/a
11	Property-related owner permissions/wayleaves (i) Folio – (or other evidence of private ownership) (ii) Wayleave/consent from other property owners (iii) Other (Please specify)	2 1 1	n/a
12	Other – Please specify <ul style="list-style-type: none"> • Environment Sites Map (Drawing No: FS_SG_002) • Aquaculture Sites Map (Drawing No: FS_SG_003) 	1	✓



Scale: 1:100,000 @A3
 Date: 26/03/2020
 Drawing No: FS_SG_000
 Produced By: Ciara Gilligan

Site Location Map

	Pottery Enterprise Zone Pottery Road Dun Laoghaire Co. Dublin
	T: +353 (0)1 2365990 E: sales@techworks.ie W: www.techworks.ie



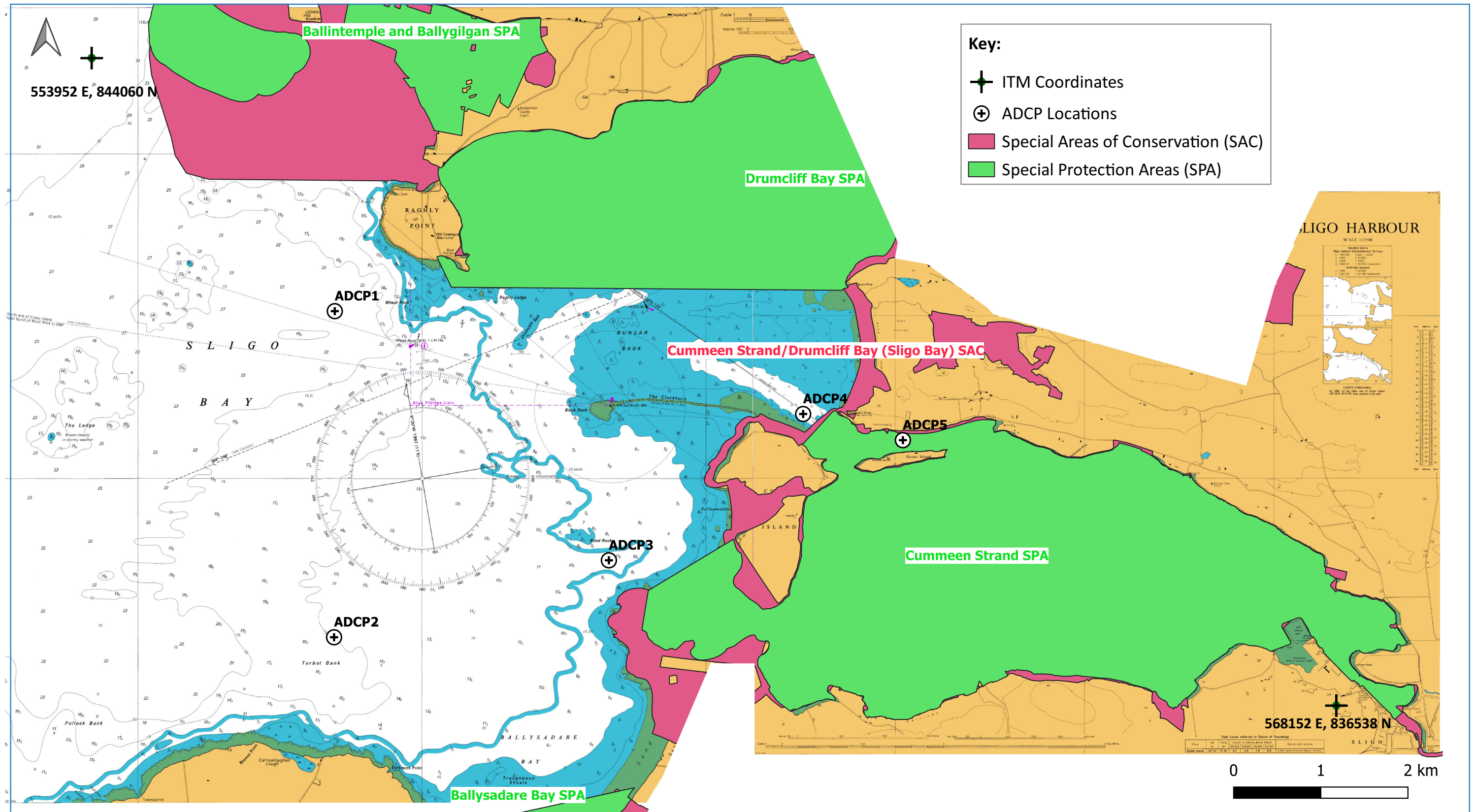
Scale: 1:100,000 @A3
 Date: 25/03/2020
 Drawing No: FS_SG_001
 Produced By: Ciara Gilligan

Foreshore Licence Map

ADCPs locations at Sligo Bay / Harbour

Pottery Enterprise Zone
 Pottery Road
 Dun Laoghaire
 Co. Dublin

T: +353 (0)1 2365990 E: sales@techworks.ie W: www.techworks.ie

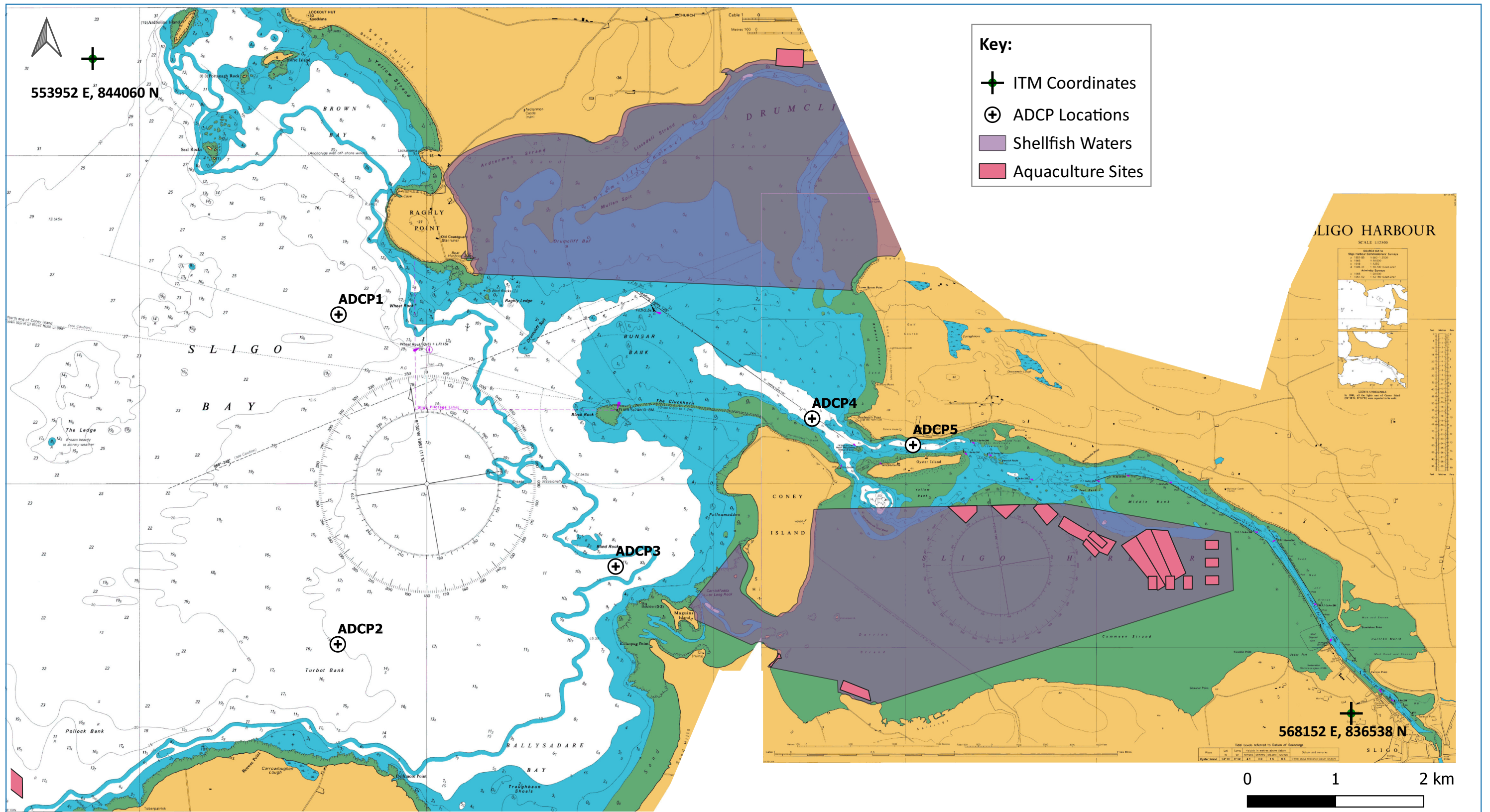


Scale: 1:100,000 @A3
 Date: 25/03/2020
 Drawing No: FS_SG_002
 Produced By: Ciara Gilligan

Environmental Sites Map

SAC & SPA designated sites

	Pottery Enterprise Zone Pottery Road Dun Laoghaire Co. Dublin
	T: +353 (0)1 2365990 E: sales@techworks.ie W: www.techworks.ie



Scale: 1:100,000 @A3
 Date: 26/03/2020
 Drawing No: FS_SG_003
 Produced By: Ciara Gilligan

Aquaculture Sites Map

Shellfish, Oysters & Clams Waters

TECHWORKS MARINE

Pottery Enterprise Zone
 Pottery Road
 Dun Laoghaire
 Co. Dublin

T: +353 (0)1 2365990 E: sales@techworks.ie W: www.techworks.ie