

S0012-02.

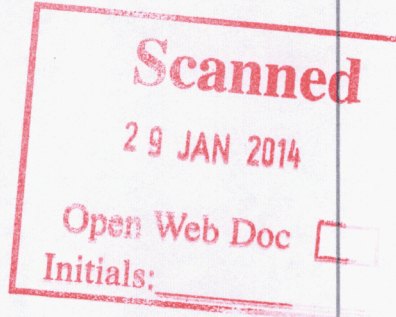
Ann Kehoe

Subject: Dumping at sea permit application from Port of Waterford Company
Attachments: 2013 letter - WPC - 5-Year dredging plan.doc; 2008 letter as issued and agreed.docx; Duncannon Middle Plot layout.pdf; Exclusion zone details ar.doc; HS 06_14.pdf

From: Connie Kelleher - (DAHG) [<mailto:Connie.Kelleher@ahg.gov.ie>]
Sent: 27 January 2014 11:50
To: Tara Higgins
Subject: RE: Dumping at sea permit application from Port of Waterford Company

Apologies, forgot to attach documents.

Dr Connie Ní Chéilleachair – Dr Connie Kelleher
Aonad Seandálíochta Faoi Uisce – Underwater Archaeology Unit
Seirbhís Séachomharthaí Náisiúnta – National Monuments Service
An Roimn Ealaíon, Oidhreacht & Gaeltachta - Department of Arts, Heritage & the Gaeltacht
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From: Connie Kelleher - (DAHG) [<mailto:Connie.Kelleher@ahg.gov.ie>]
Sent: 27 January 2014 11:45
To: Tara Higgins
Subject: RE: Dumping at sea permit application from Port of Waterford Company

Hi Tara,

Please see attached letter that issued in December by this Department through our central planning applications unit, seeking clarification on the status of the proposed dredgings, and 5-year dredging plan by Waterford Port Company.

Comments from Notified Consultant - DAHG

I also attach details of the exclusion zone around the protected wreck site and a letter from 2008 to the then Dept. of Marine requesting that Waterford Port agree to our archaeological requirements should capital dredging become a factor for the future plans.

If it is deemed that this is capital dredging rather than the usual maintenance dredgings, we will have further requirement with regard to archaeology, specifically most probably the requirement for Waterford Port to engage the services of a suitably qualified underwater archaeologist to carry out archaeological monitoring during the course of the dredgings and to carry out an archaeological assessment of the protected wrecks site following completion of their dredging programme.

With respect to the dumping at sea at the traditional dumpsite, there is also a wreck site there, as identified during a previous archaeological survey. It is of the George Milburn, a WWI minesweeping trawler, lost near the entrance to the approaches of Waterford Harbour in the year 1917. It is located in the NW quadrant of the dumpsite and the following has always been our agreement with Waterford Port for their dumping operations:

Waterford Port Dumpsite:

During the course of archaeological assessment of Waterford Port dumpsite 1999 the remains of the 1917 wreck *George Milburn* was identified (Grid Reference: 269863E 97347N). It was agreed with Waterford Port that dumping would be focused away from the immediate area of the wreck location. The Underwater Archaeology Unit would request that all dumping of dredge material be away from the site of the wreck so as to avoid directly dumping onto the wreck site.

Again I will be including this in a new letter to Waterford Port and I will email a copy of our letter to you once I receive clarification on our queries.

Please don't hesitate to contact me if you have any queries.

Regards,

Connie

Dr Connie Ní Chéilleachair – Dr Connie Kelleher
Aonad Seandálíochta Faoi Uisce – Underwater Archaeology Unit
Seirbhís Séadchomharthaí Náisiúnta – National Monuments Service
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Our ref. WA-DAFFWD-A131203-0007 & M00081/2013
Your ref. FS5071

29 December 2013

Department of Agriculture, Fisheries and Food

Re: Port of Waterford Company application for Foreshore Licence for maintenance dredgings of particular areas from the outer harbour into Waterford City, for period 2013-2018.

A Chara,

Over the last decade or so, the UAU has maintained close liaisons with the Port of Waterford and we acknowledge that dredging work is necessary to keep the channel depth maintained to ensure safety for shipping and the viable operation of the Port. Port of Waterford has ensured that the exclusion zone around the protected wreck sites at Duncannon Bar has been adhered to by the dredging companies engaged to do the dredging operations and Port of Waterford have consistently and comprehensively forwarded all relevant information, including dredging depths and track plots to the UAU in advance of and post-dredging programmes.

We do, however, request clarification on the following before commenting on the current application, and request that this be forwarded as Further Information. It should be stated that Section D does not appear to have been forwarded with the current application, and the UAU is querying the following based on previous information supplied. If the information has been updated or changed, when this should be supplied as part of the Further Information request.

- The proposed maximum dredge depth being applied for overall, but in particular at Duncannon Bar, is now 9m. It is our understanding that, for maintenance dredging, such a max. depth was always 7.5m with a 0.5m overdredge allowance, bringing it up to a maximum of 8m. We seek clarification on this extended dredged depth and query if this would, in fact, bring the dredging into the realm of capital dredging?
- We seek clarification on the areas in Section D specified as 'Secondary Areas'. In particular – Cheekpoint Upper and Harbour Access, Passage East Boathouse Quay, Great Island Jetty, O'Brien's Quay, Belview to O'Brien's Quay, Spit Light & Queen's Channel, Frank Cassin Wharf, Forde Wharf & Merchant's Quay Marina, North Wharf, and are all listed for dredging over coming years. Have they been dredged lately, as I don't recall dealing with them? We request details of when these were previously dredged and to what depth.

We await the Further Information as requested before commenting further.

Is mise le meas,

Dr Connie Kelleher
Underwater Archaeology Unit

Our ref. M2008/39

Your ref. ????

27th March 2008

Department of Marine

Re: Port of Waterford application to Dump Dredge Spoil at Area – 5-Year Maintenance Dredging Plan 2008-2012

A Chara,

We refer to the application as received from the Department of Marine on behalf of Waterford Port Company for their 5-year maintenance dredging plan. The following are the observations and recommendations of the Underwater Archaeology Unit (UAU) of the National Monuments Service, Dept. of Environment, Heritage and Local Government.

Proposed maintenance dredging:

The Underwater Archaeology Unit has no objections to the maintenance dredging being carried out provided the following is agreed and attached as a condition of the Dumping at Sea Licence:

- The exclusion zone that is in place around the two protected wreck sites at Duncannon Bar to be adhered to. No dredging or dumping to take place within the exclusion zone area. These wreck sites are subject to statutory protection under Section 3(4) of the 1987 National Monuments (Amend.) Act.
- Assurances to be given to the UAU by Waterford Port Company that all dredging companies that are engaged to undertake the dredging in this area will have the exclusion zone clearly included on their charts in advance of any dredging work commencing.
- The UAU to be given due notification by Waterford Port Company of its intention to dredge.
- Sufficient time shall be given for this notification to allow a value judgment to be made by the UAU on whether an archaeological inspection of the wreck sites is required in advance of the dredging works commencing or if archaeological monitoring is required during the course of the dredging when near the exclusion zone.
- Should it be thought necessary to have archaeological monitoring during the dredging at Duncannon Bar, then this to be agreed between Waterford Port Company and the UAU in advance of the dredging works commencing.
- It may be a requirement that Waterford Port Company engage the services of a suitably qualified archaeologist to carry out the monitoring.
- It is noted from the application (section 7.1) that the previously identified anomalies 1 - 4 located in the northern part of Duncannon Bar lie buried at a greater depth than the required channel depth. Should it become a requirement to

dredge deeper in this area during the course of the 5-year dredging programme, then archaeological monitoring in this area shall be required by the Department of Environment, Heritage and Local Government.

- Notification of the need to dredge to a greater depth in this area shall be provided to the UAU in advance of dredging taking place in this area. The nature and extent of the archaeological monitoring in this area can be agreed between Waterford Port Company and the UAU.
- All archaeological monitoring shall be licensed to the Department of Environment, Heritage and Local Government.
- Waterford Port Company to ensure that the dredging company shall facilitate the archaeologist engaged to carry out the monitoring. This will entail accommodating the archaeologist on board the dredger during the dredging works.
- It shall be noted that should potential archaeology be impacted during the course of such dredging, the monitoring archaeologist shall be empowered to have the dredging stopped in that area until the UAU has been informed and the potential archaeology has been properly evaluated and resolved.
- Waterford Port Company shall be prepared to be advised by the UAU in this regard.
- Copies of the results of the hydrographical surveys undertaken along Duncannon Bar, before, during and after the dredging programme to be forwarded to the UAU for their records.
- A copy of the track plots of the dredger, when in the vicinity of and adjacent to the exclusion zone, to be forwarded to the UAU for their records.

Capital dredging scheme:

It is noted that there may be capital dredging carried out during the period of the proposed 5-year maintenance dredging plan. It is noted that should capital dredging be necessary, it shall be subject to a separate application. It should be further noted, however, that in this event, the following are the recommendations of the UAU in this regard:

- All areas that have not been previously archaeological assessed to be subject to an underwater archaeological assessment.
- Waterford Port Company to engage the services of an underwater archaeologist to undertake the assessment.
- The underwater diver survey to be accompanied by a hand held metal detection survey.
- Both surveys to be licensed to the Department of Environment, Heritage and Local Government and a detailed method statement shall accompany the licence applications.
- Should potential underwater archaeology be identified during the course of the underwater assessment, further archaeological mitigation may be required in the form of preservation *in situ* (avoidance), test excavation to determine the nature and extent of the potential archaeology or full archaeological excavation to

prevent negative impacts on the archaeology. The later to be recommended if it is not possible to avoid such impacts.

- Waterford Port Company shall be prepared to be advised by the Department of Environment, Heritage and Local Government in this regard.

Dumpsite:

The UAU has no objections to the existing dumpsite being used for the disposal of dredged spoil. However, should it be deemed necessary by Waterford Port Company to move to a new dump area during the course of their 5-year maintenance dredging plan, then it may be a requirement by the UAU to have the new site archaeologically assessed in advance of it being used as a dumpsite, if the area has not been previously archaeologically assessed.

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Dutch Dredging Charter B.V.

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www.dutchdredging.nl info@dutchdredging.nl

Client: Port of Waterford 134 Company

Contract Nr.: 134

Maplocation: Duncannon Bar Middle

Map Type: Bathymetry

Survey Type: Singlebeam Survey

Date of Survey: 13-Feb-2011

Shipname: ms Orinoco

Positioning system: Novatel GPS - RTK

Echosounder: Simrad EA 400 33kHz/210kHz

Datum: Ireland75 - Irish Grid

Ellipsoid: Airy Modified 1849

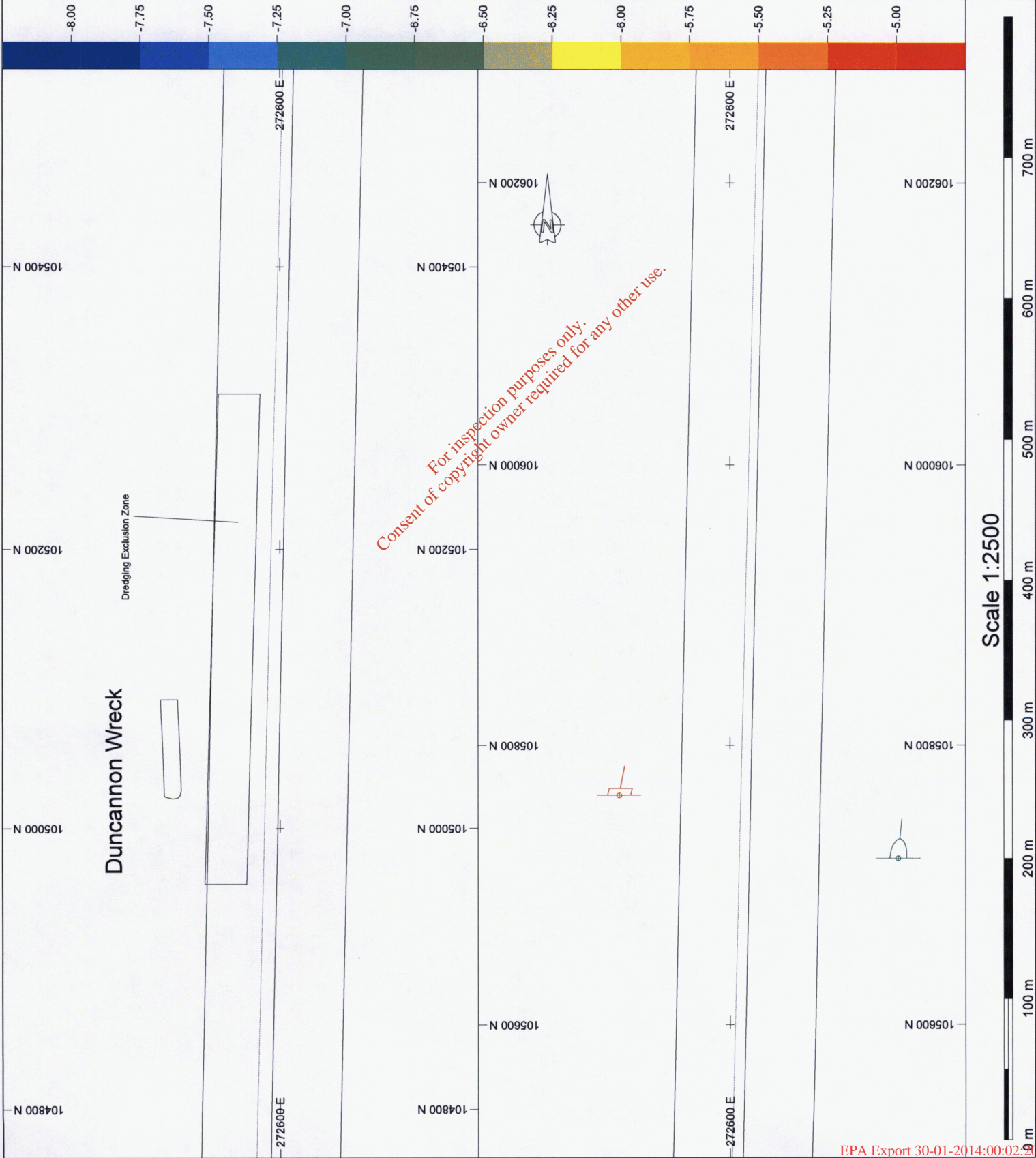
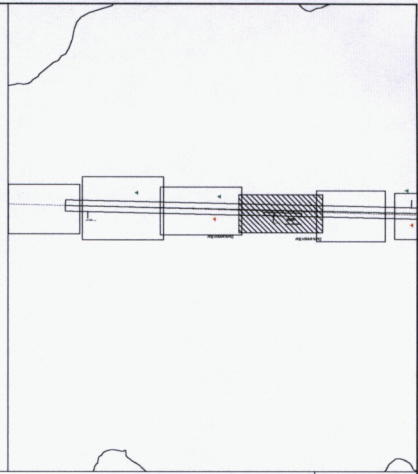
Projection: Transverse Mercator

Aquisition Software: PDS2000 version 3.6.0.9

Processing Software: PDS2000 version 3.6.0.9

Processor: R. v.d. Net / E.D. Bouma

Processor: E.D. Bouma



Exclusion zone details are as follows:

On new Adm chart for Waterford:

Foul Area: 52 11 60N and 06.56.37W: Historic remains exist on the seabed.
Diving and seabed activity prohibited within the limits of the foul area.

Duncannon Bar Anchoring and Fishing Activity: Anchoring and fishing are prohibited within the maintained depth area of the Duncannon Bar and within 60m of the foul area centred on: 52 11 60N and 06 56 37W.

The co-ords I gave the UKHO for the exclusion zone were as follows:

- 1) 40m E of 52 11 563N and 06 56 407W (our cannon 4)
- 2) 60m W of 52 11 563 and 06 56 407W (ditto).

From the given go-ords the zone measures 250N and 100S (total 350 N-S) and 40m E and 60m W (total 100 E-W).

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