

**Eve O'Sullivan**

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**Subject:** Dublin Port Berth 50 A extension and new turning circle  
**Attachments:** Comments\_DPC MP2\_dredge application.pdf; CM1095\_MA\_0168\_DWG\_03  
Dredging General Arrangement November 2018-0168 (3..\_dredge area.pdf)

**From:** Margot Cronin  
**Sent:** 13 June 2019 15:24  
**To:** Ciara Maxwell ([c.maxwell@epa.ie](mailto:c.maxwell@epa.ie)) <[c.maxwell@epa.ie](mailto:c.maxwell@epa.ie)>  
**Cc:** Terry McMahon <[Terry.McMahon@Marine.ie](mailto:Terry.McMahon@Marine.ie)>  
**Subject:** Dublin Port Berth 50 A extension and new turning circle

Ciara,

Attached are my comment on the sediment chemistry for Dublin Port sampling from August 2018 by Fugro GeoServices Ltd in advance of an application for Berth 50 A extension and new turning circle. Sampling and analysis were carried out in accordance with recommendations from an MI sampling and analysis plan.

I will also be giving a copy to Dublin Port to use as part of their planning application.

If you need clarification on anything, please don't hesitate to give me a shout.

Best regards,  
Margot

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**To: Ciara Maxwell, EPA**

**From: Margot Cronin, MI**

**RE: Dublin Port Company Master Plan 2 – expansion to turning circles and extension to berth 50A.**

**Date: 23 May, 2019**

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### **Sediment assessment**

Sediment samples were taken and analysed in August 2018, in accordance with the sampling and analysis plan previously issued to Dublin Port Company. Quality assurance/CRM results are satisfactory.

The sediment chemistry relates to approximately 125 000m<sup>3</sup> in the turning circle and 75 000m<sup>3</sup> in berth 50A only, and not to other areas in the port. Drawing number CM1095\_MA\_0168\_DWG indicates the location of the samples and the location of the dredging area and side-slopes.

Three samples from Oil Berth 3 demonstrate low class 2 concentrations of cadmium and one sample from the South Turning Circle shows low class 2 concentration of lead.

Three samples (two from Oil Berth 3, one from South Turning Circle) have concentrations of the sum of DDT metabolites slightly in excess of the Effects Range Low (ERL – an ecotoxicology risk standard often used), but these are well below the lower action levels of the three OSPAR Contracting Parties which have thresholds for DDT.

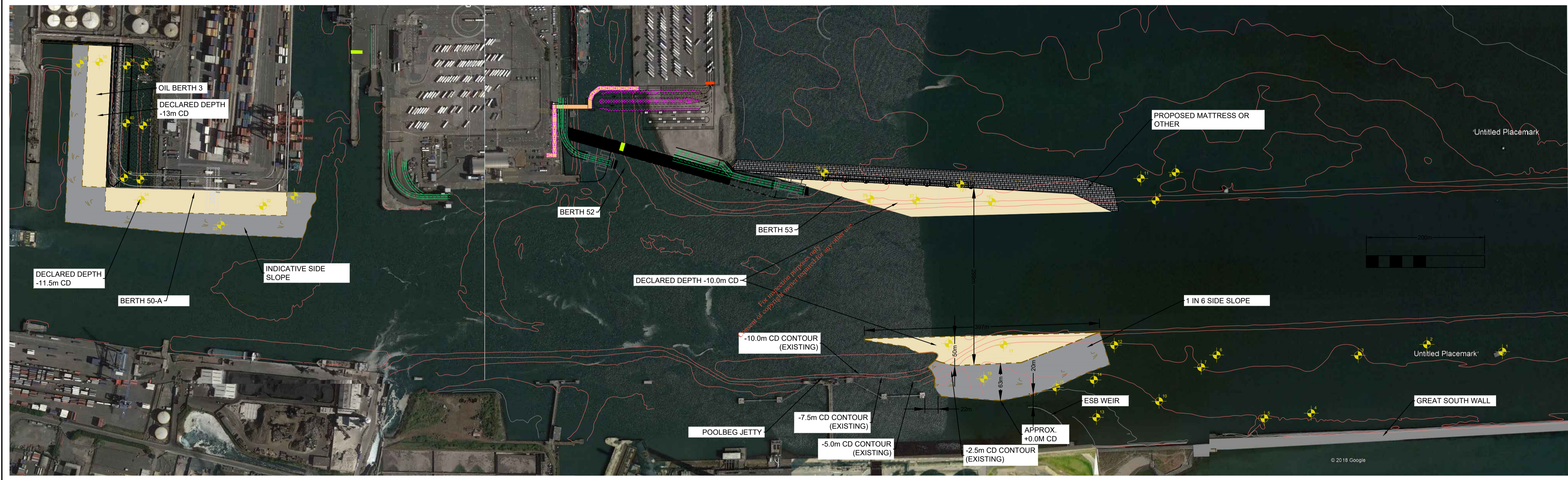
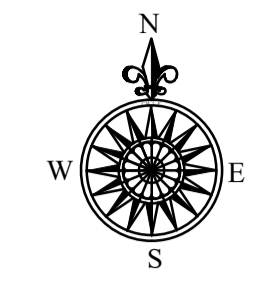
Samples taken from Oil Berth 4 had shown several contaminants at low class 2 levels but, in fact, Oil Berth 4 is an area to be infilled, rather than dredged.

The remaining samples are all below the lower Guidance Levels and therefore do not indicate any areas of particular concern.

In the absence of a feasible alternative, I would not object to the disposal of this sediment at the Burford Bank site.



- GENERAL NOTES**
- ALL DIMENSIONS ARE IN MILLIMETRES UNLESS NOTED OTHERWISE.
  - ONLY WRITTEN DIMENSIONS SHALL BE USED. NO DIMENSIONS SHALL BE SCALED FROM THE DRAWINGS.
  - ALL LEVELS ARE IN METRES AND ARE TO ORDNANCE DATUM MALIN UNLESS NOTED OTHERWISE.
  - ALL COORDINATES ARE IN METRES AND ARE TO IRISH TRANSVERSE MERCATOR.
  - DRAWINGS ARE TO BE READ IN CONJUNCTION WITH THE SPECIFICATION.
  - ALL DRAWINGS ARE THE PROPERTY OF ATKINS BYRNELOOBY.
  - [xx.xx m CD] REFER TO LEVELS AT CHART DATUM (DUBLIN PORT).
  - ORDNANCE DATUM MALIN [O.D.M.]
- CHART DATUM [C.D.] (DUBLIN PORT)      2.51m      ORDNANCE DATUM MALIN [O.D.M.]



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- PROPOSED MATTRESS OR OTHER
- DREDGED SIDE SLOPES
- DREDGED AREA
- DREDGE BOUNDARY
- SEDIMENT SAMPLING LOCATION

DRAFT

Rev	Description	By	Date	Chk'd	Auth
03	MARINE INSTITUTE CONSULTATION	PM	11.18	SMC	AC
02	DREDGE BOUNDARY AMENDMENTS	PM	11.18	SMC	AC
01	SEDIMENT ANALYSIS LOCATIONS	TJOC	11.18	SMC	AC
00	DISCUSSION	TJOC	11.18	SMC	AC



Client: **COMHLACHT CHALAFOR ÁTHA CLIATH DUBLIN PORT COMPANY**

Project: **MP2**

Purpose: DISCUSSION					
Title: CLIENT SCOPE CHANGE CLIENT REQUESTED MANEUVRING AREA					
Original Scale	Design/Draw	Checked	Authorised		
1:3500 @A1	TJOC	SMC	AC		
Date	Date	Date	Date		
01.11.18	01.11.18	01.11.18	01.11.18		
Status	Drawing Number	Rev			
I	CM1095_MA_0168_DWG	03			