

Request a sediment sample plan

Applicant details

Title Mr
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Volume of material to be dredged (m3)

(1) Burry Port Harbour - Approach Channel: approximately 35,000m³, (2) Burry Port Harbour - Outer Harbour: approximately 99,500m³

Depth of the sediment to be dredged (as opposed to the water depth to be achieved)

(1) Burry Port Harbour - Approach Channel: 0.5m to 4m, (2) Burry Port Harbour - Outer Harbour: 1.5m to 3.5m

Description of the location (e.g. Holyhead Port)

(1) Burry Port Harbour - Approach Channel
(2) Burry Port Harbour - Outer Harbour

Burry Port Harbour is situated on the northern bank of the River Loughor's estuary, approximately 5km west of Llanelli. It comprises an Outer Harbour and an inner West Dock and East Dock, is protected by two breakwaters, and is accessed by boats via an Approach Channel that is aligned parallel to the western breakwater. A half-tide gate was constructed at the entrance of the Outer Harbour in 2000 to impound water within the Outer Harbour so that boats remain afloat irrespective of tidal conditions.

Coordinates of the dredge area(s) (individually named areas, e.g. berths, should be detailed rather than one area)

(1) Burry Port Harbour - Approach Channel

OSGB co-ordinates

Eastings Northings

244520.56 200157.90

244545.14 200153.24

244524.70 200134.93

244508.89 200120.62

244507.38 200114.22

244507.94 200108.14

244519.95 200095.29

244600.71 199641.94

244535.55 199629.91

244475.91 199949.68

244468.68 200011.92

244474.90 200027.24

244465.37 200052.93

244454.60 200110.50

244447.97 200158.55

244520.56 200157.90

(2) Burry Port Harbour - Outer Harbour

OSGB co-ordinates

Eastings Northings

244559.42 200167.38

244448.71 200167.38

244444.94 200234.41

244448.33 200300.31

244453.98 200354.91

244463.40 200401.98

244471.68 200428.72

244499.92 200427.21

244507.83 200413.66

244526.28 200415.54

244538.71 200423.07

244559.42 200423.07

244572.22 200412.53

244615.90 200398.97

244641.51 200380.14

244650.17 200365.08

244644.52 200334.96

Dredging

Is your application for capital or maintenance dredging? Capital dredging is the removal of material that has not previously been dredged or has not been dredged in the last 10 years. This includes deepening or widening an existing dredge area. Maintenance dredging relates to the removal of material from areas which have previously been dredged (in the last 10 years) i.e dredging the same areas and to the same depth as before.

Capital dredging

Please provide the following details:

The last licence/application number	n/a
When sediment analysis was last undertaken	(1) Burry Port - Approach Channel: 2024, (2) Burry Port - Outer Harbour: 2016
When the area was last dredged	(1) Burry Port Approach Channel: 2024, (2) Burry Port - Outer Harbour: 2024

If this is to support a renewal of a marine licence, state if there are any proposed changes to operation since the last licence

Please note that the applicant - Carmarthenshire County Council - has powers to undertake maintenance dredging as the statutory harbour authority for Burry Port Harbour and, therefore, will not need and not be applying for a marine licence for maintenance dredging activity.

Maintenance dredging is required within the Approach Channel and Outer Harbour at Burry Port Harbour. The dredging method at each location is anticipated to be similar the method used previously, as follows:

- (1) Burry Port - Approach Channel: mechanical excavation in 'dry' conditions (when the tide has receded sufficiently) using land-based plant (e.g., excavators)
- (2a) Burry Port - Outer Harbour (sand material and silty sand / sandy silt material): mechanical excavation in 'dry' conditions (when the tide has receded sufficiently) using land-based plant (e.g., excavators)
- (2b) Burry Port - Outer Harbour (silty sand / sandy silt and silt material): water injection dredging

However, Carmarthenshire County Council will be applying for a marine licence for the disposal of sand material arising from mechanical excavation of material from the Approach Channel and Outer Harbour.

Will the dredged material be disposed to sea, beneficially used, or used for another purpose?

Beneficial use

If disposal at sea, provide the name and code of the proposed disposal site

n/a

If beneficial use, how will the material be used and what is the proposed deposit location? Provide name of location and coordinates

The following sources of dredged material will be placed on the upper foreshore of Burry Port East Beach:

- (1) Sand arising from mechanical excavation of material from the Approach Channel and Outer Harbour
- (2) Silty sand / sandy silt arising from mechanical excavation of material from the Outer Harbour

The deposit location is along of a stretch of eroding shoreline fronting the site of the former power station at Burry Port. Initially, the dredged material will help protect the shoreline at this location by reducing the rate of the ongoing erosion. Over time, the dredged material will be progressively reworked by tidal and wave action and will be returned to the estuarine system to help maintain the local sediment budget.

The deposit location's coordinates are:

Easting Northing ETRS89GD-Lat ETRS89GD-Long
244982.42 200184.68 51 40.738854 -4 14.613243
245228.38 200216.14 51 40.759885 -4 14.400801
245505.80 200264.76 51 40.790680 -4 14.161532
245992.00 200240.45 51 40.785591 -4 13.739281
245987.71 200070.28 51 40.693787 -4 13.738495
244968.12 200008.79 51 40.643801 -4 14.620955
244982.42 200184.68 51 40.738854 -4 14.613243

What material is the likely composition of the dredge sediment e.g. silt, gravel? Provide proportions of the different types of material if relevant

- (1) Burry Port - Approach Channel: sand (approx. 100%)
- (2) Burry Port - Outer Harbour: sand (approx. 33.3%), silty sand / sandy silt (approx. 33.3%), and silt (approx. 33.3%)

Note: only sand and a proportion of the silty sand / sandy silt will be dredged using mechanical excavation method and placed at the deposit location at Burry Port East Beach.

Provide details of any previous exclusions from dredging/disposal/beneficial use/re-use

Please note that, while there have been no exclusions, the beneficial use of dredged material at Burry Port East Beach has been licensed previously for material arising from maintenance dredging at Burry Port Harbour (e.g., FEPA Licence 10/06/F, issue date 22/04/2010).

Public register

Is there any information contained within or provided in support of this application that you consider should NOT be included on the Public Register on the grounds that its disclosure:

	Yes	No
Would be contrary to the interest of National Security?		X
Would prejudice to an unreasonable degree you, or some other person's commercial interest or those of a third party?		X

If yes to either of the above, please provide full justification as to why all or part of the information you have provided should be withheld.

n/a

Application fee

Please provide the method of payment

BACS

Reference number (not BACS remittance number):
CCC Purchase Order No. 15059609

Please complete the details below which will be required for invoicing

Customer name	Carmarthenshire County Council
FAO	Neil Thomas
Purchase order number	15059609
Address for invoice	Pembrey Country Park, Pembrey, Carmarthenshire, SA16 0EJ.
Telephone number	01554 742435
Email address	infopembrey@carmarthenshire.gov.uk

Declaration

If you would like a copy of your completed form, please provide your preferred email address below:

martin@anthonybates.co.uk

I declare that the information in this application is true to the best of my knowledge. I understand that this application may be refused, or approval withdrawn if I give false or incomplete information.

Please type your name and date this form to confirm that the information you have provided is correct.

Name	Martin Maloney
Date	15/01/2025
Position in company	Dredging Consultant to Carmarthenshire County Council