

DOGGER BANK D WIND FARM

Preliminary Environmental Information Report

Volume 2

Appendix 9.2 Sediment Quality Analysis Report

Document Reference No: 2.9.2

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Revision: V1



www.doggerbankd.com

Applicant Information

Instructions:

1. All applicants and laboratories should refer to the most recent guidance on sediment analysis in support of marine licence applications

[Sediment analysis guidance](#)

2. Full information must be provided under each relevant sheet of the workbook. Grey highlighted cells indicate where information can be entered.

3. Where information cannot be provided, the applicant should consult with the MMO prior to submission.

4. Worksheets are protected to prevent accidental amendments to calculated values. If amendments are required please consult with the MMO

5. Sample IDs used through the data output worksheets should correspond to Sample IDs provided on this worksheet.

6 Where more than 6 dredge areas or 30 samples are required, please contact MMO.

7. Macros must be enabled to use this workbook

Marine Licence Applicant Information:	
Applicant	
Application number	
Application title	
Date sampled	
Sampling location	

Dredge area tonnages:

Dredge Area	Dredging tonnages	% total dredged material	Total dredged material
Area I			0
Area II			
Area III			
Area IV			
Area V			
Area VI			

MMO use only

Sample numbers and locations

Sample ID	Excluded sample (MMO use)	Sample location (decimal degrees, WGS84)		Location name (as per sampling plan)	Sampling depth (m)	Dredge area
		Position latitude	Position longitude			
ST105		54.030449	0.070500	ST105	42	
ST120		55.028818	2.889130	ST120	24.5	
ST128		55.052719	0.940891	ST128	22.5	
ST138		55.072520	2.944811	ST138	28	
ST155		54.978227	3.031150	ST155	18.6	
ST160		55.099181	3.076223	ST160	25.5	
ST029		53.956851	0.981000	ST029	19.9	
ST027		54.266886	0.543000	ST027	61.5	
ST028		54.515625	0.830000	ST028	58.4	
ST031		54.971246	1.191000	ST031	48.5	
ST034		55.124425	1.351000	ST034	38	
ST041		55.201701	1.548000	ST041	38.1	
ST043		55.224830	1.714000	ST043	39	
ST051		55.018717	2.400000	ST051	40.1	
ST053		55.350264	2.556000	ST053	38.2	
ST058		55.082656	3.170000	ST058	45.9	
ST070		55.146150	3.362000	ST070	41.8	
ST074		55.260500	1.584000	ST074	30	
ST080		55.492875	1.879000	ST080	72.7	
ST085		55.556475	2.080000	ST085	74.3	
ST093		55.091240	2.847000	ST093	22.8	

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Trace metal data

Instructions:

1. Record the laboratory/contractor responsible for trace metal analysis
2. Record the date the samples were analysed.
3. Enter full dataset for each sample in the analysis results table
4. Trace metal analysis results should be reported in mg/kg (ppm) dry weight
5. Enter methodological limit of detection for each trace metal prior to inputting raw data
6. Where analysis outputs are less than the limits of detection please enter text "<LOD"
7. Where copying and pasting entries please use paste values only
8. Where entering multiple Sample IDs please use the pop-up form
IDs should be separated by a comma

Analysis information:

Laboratory/contractor: SOCOTEC

Date of analysis: 18/10/2023

Determinand analysis outputs:

[illegible]

Organotin data

Instructions:

- 1. Record the laboratory/contractor responsible for organotin analysis
- 2. Record the date the samples were analysed.
- 3. Enter full dataset for each sample in the analysis results table
- 4. Organotin analysis results should be reported in mg/kg (ppm) dry weight
- 5. Enter methodological limit of detection for each organotin prior to inputting raw data
- 6. Where analysis outputs are less than the limits of detection please enter text "<LOD"
- 7. Where copying and pasting entries please use paste values only
- 8. Where entering multiple Sample IDs please use the pop-up form
IDs should be separated by a comma

Analysis information:

Laboratory/contractor: SOCOTEC

Date of analysis: 10/10/2023

determinand analysis outputs:

Laboratory sample number	Dredge Area	Sample ID(s)	Total solids (%)	Organotins as mg/kg dry weight	
				Dibutyltine (DBT)	Tributyltin (TBT)
MAR02051.021		ST106	77.8	<LOD	<LOD
MAR02051.023		ST120	79.3	<LOD	<LOD
MAR02051.025		ST136	77.9	<LOD	<LOD
MAR02051.026		ST155	80.7	<LOD	<LOD
MAR02051.027		ST160	75.5	<LOD	<LOD
MAR02493.001		ST009	81	<LOD	<LOD
MAR02493.002		ST027	77.6	<LOD	<LOD
MAR02493.003		ST028	75.2	<LOD	<LOD
MAR02493.004		ST031	73.6	<LOD	<LOD
MAR02493.005		ST034	74.6	<LOD	<LOD
MAR02493.006		ST041	77.1	<LOD	<LOD
MAR02493.007		ST043	75	<LOD	<LOD
MAR02493.008		ST051	76.4	<LOD	<LOD
MAR02493.009		ST053	75.8	<LOD	<LOD
MAR02493.010		ST068	75.2	<LOD	<LOD
MAR02493.011		ST070	80.3	<LOD	<LOD
MAR02493.012		ST074	74.8	<LOD	<LOD
MAR02493.013		ST080	72.7	<LOD	<LOD
MAR02493.014		ST085	71	<LOD	<LOD
MAR02493.015		ST093	79.7	<LOD	<LOD
Limits of detection (mg/kg dry weight):				0.001	0.001

Polyaromatic hydrocarbon data

Instructions:

1. Record the laboratory/contractor responsible for PAH analysis
2. Record the date the samples were analysed.
3. Enter full dataset for each sample in the analysis results table
4. Analysis results for individual PAHs should be reported in µg/kg (ppb) dry weight
THC should be reported as mg/kg (ppm)
5. Enter methodological limit of detection for each PAH prior to inputting raw data
6. Where analysis outputs are less than the limits of detection please enter text "<L"
7. Where copying and pasting entries please use paste values only
8. Where entering multiple Sample IDs please use the pop-up form
IDs should be separated by a comma

Analysis information:

Laboratory/contractor: SOCOTEC
Date of analysis: 25/10/2023

determinand analysis outputs:

[illegible]

Laboratory/contractor:	
Date of analysis:	

[illegible]

Brominated flame retardant data

Instructions:

1. Record the laboratory/contractor responsible for analysis
2. Record the date the samples were analysed.
3. Enter full dataset for each sample in the analysis results table
4. Analysis results should be reported in mg/kg (ppm) dry weight.
5. Enter methodological limit of detection for each BDE prior to inputting raw data
6. Where analysis outputs are less than the limits of detection please enter text "<LOD"
7. Where copying and pasting entries please use paste values only
8. Where entering multiple Sample IDs please use the pop-up form
IDs should be separated by a comma

Analysis information:

Laboratory/contractor:	
Date of analysis:	

determinand analysis outputs:

[illegible]