



Hornsea Project Four

Hornsea Four Sediment Sampling MMO Template

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Prepared GoBe Consultants, August 2022
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Ver. A

Revision Summary

<i>Rev</i>	<i>Date</i>	<i>Prepared by</i>	<i>Checked by</i>	<i>Approved by</i>
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Revision Change Log

<i>Rev</i>	<i>Page</i>	<i>Section</i>	<i>Description</i>
01	-	-	Submitted at Deadline 8

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1 Hornsea Four Export Cable Corridor Sediment Sampling Results

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:	Orsted Hornsea Four Offshore Wind Farm
Application number:	EN010098
Application title:	EN010098 – Hornsea Four Offshore Wind Farm
Date sampled:	06/06/2019
Sampling location:	1.19256 53.9792

Dredge area tonnages:

Dredge Area	Dredging tonnages	% total dredged material	Total dredged material
Area i	4,105,735	100.00%	4,105,735
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			
ECC_01		1.19256	53.9792	ECC_01	0	Area i
ECC_02		1.16799	54.0021	ECC_02	0	Area i
ECC_03		1.11902	54.0118	ECC_03	0	Area i
ECC_04		1.06926	54.0052	ECC_04	0	Area i
ECC_05		1.03165	53.9958	ECC_05	0	Area i
ECC_06		0.972793	53.9978	ECC_06	0	Area i
ECC_07		0.906704	53.9955	ECC_07	0	Area i
ECC_08		0.871567	54.0098	ECC_08	0	Area i
ECC_09		0.840253	54.0098	ECC_09	0	Area i
ECC_10		0.769689	54.0095	ECC_10	0	Area i
ECC_11		0.725017	53.9969	ECC_11	0	Area i
ECC_12		0.66501	54.0233	ECC_12	0	Area i
ECC_13		0.608392	54.0287	ECC_13	0	Area i
ECC_14		0.537671	54.0393	ECC_14	0	Area i
ECC_15		0.453718	54.0576	ECC_15	0	Area i
ECC_16		0.38166	54.0754	ECC_16	0	Area i
ECC_17		0.315282	54.0583	ECC_17	0	Area i
ECC_18		0.205566	54.0645	ECC_18	0	Area i
ECC_19		0.112906	54.0546	ECC_19	0	Area i
ECC_20		0.08668	54.04	ECC_20	0	Area i
ECC_21		0.046721	54.0477	ECC_21	0	Area i
ECC_22		-0.005006	54.0385	ECC_22	0	Area i
ECC_23		-0.046585	54.0466	ECC_23	0	Area i
ECC_24		-0.092358	54.0591	ECC_24	0	Area i
ECC_25		-0.080783	54.0268	ECC_25	0	Area i
ECC_26		-0.133309	54.0453	ECC_26	0	Area i
ECC_27		-0.157806	54.0323	ECC_27	0	Area i
					(sediment depth)	

Physical characteristics data

Instructions:

- 1. Report the laboratory/contractor responsible for analysis.
2. Record the date the sample was analysed.
3. Enter NA instead for each sample in the analysis results table.
4. When copying and pasting within please use paste values only.
5. Where entering multiple samples for the same use the page up/down arrows as indicated by a column.

Analysis information:

Laboratory/contractor: Borealis Solutions Limited
View of sample: 20100101

Physical characteristics analysis output:

Table with columns: Laboratory sample number, Sample Area, Sample City, Visual appearance*, Exempt from chemical analysis?, Total Solids (%), Organic matter (wt %), and a large grid of particle size distribution data (µm) for various sample types like ECC 01, ECC 02, etc.

*Visual appearance: results in description of what the material looks like and what it contains, e.g. sandy material containing brick fragments, or black oil, or foreign resin marks matter caught in the sample.

†Exempt from chemical analysis: enter 'Y' where extract sample contains glass material or are too coarse and has escaped from chemical analysis.

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: 24/06/2019

determinand analysis outputs:

Laboratory sample number	Dredge Area	Sample ID(s)	Total solids (%)	Organotins as mg/kg dry weight	
				Dibutyltin (DBT)	Tributyltin (TBT)
N/A	Area i	ECC_01	79	<LOD	<LOD
N/A	Area i	ECC_02	78	<LOD	<LOD
N/A	Area i	ECC_03	75.7	<LOD	<LOD
N/A	Area i	ECC_04	76.6	<LOD	<LOD
N/A	Area i	ECC_05	74.8	<LOD	<LOD
N/A	Area i	ECC_06	75.9	<LOD	<LOD
N/A	Area i	ECC_07	74.4	<LOD	<LOD
N/A	Area i	ECC_08	75.9	<LOD	<LOD
N/A	Area i	ECC_09	76.3	<LOD	<LOD
N/A	Area i	ECC_10	76.2	<LOD	<LOD
N/A	Area i	ECC_11	75.4	<LOD	<LOD
N/A	Area i	ECC_12	77.8	<LOD	<LOD
N/A	Area i	ECC_13	78.6	<LOD	<LOD
N/A	Area i	ECC_14	76.6	<LOD	<LOD
N/A	Area i	ECC_15	76.6	<LOD	<LOD
N/A	Area i	ECC_16	76	<LOD	<LOD
N/A	Area i	ECC_17	78.4	<LOD	<LOD
N/A	Area i	ECC_18	76	<LOD	<LOD
N/A	Area i	ECC_19	75.8	<LOD	<LOD
N/A	Area i	ECC_20	74.6	<LOD	<LOD
N/A	Area i	ECC_21	74	<LOD	<LOD
N/A	Area i	ECC_23	79.60	<LOD	<LOD
N/A	Area i	ECC_24	76.60	<LOD	<LOD
N/A	Area i	ECC_25	77.20	<LOD	<LOD
N/A	Area i	ECC_26	77.60	<LOD	<LOD
N/A	Area i	ECC_27	76.00	<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 (ypk) (dry weight). THCs 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 "<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: SODOTEC
 Date of analysis: 24/09/2019

determinand analysis outputs:

Laboratory sample number	Design Area	Sample ID(s)	Total Solids (%)	PAHs as dry weight (µg/kg dry weight)																	Total hydrocarbon content (mg/kg)						
				Acenaphthene	Acenaphthylene	Anthracene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Benzo(e)pyrene	Benzo(f)fluoranthene	C1-Naphthalenes	C1-Phenanthrenes	C2-Naphthalenes	C3-Naphthalenes	Chrysene	Dibenz(a,h)fluoranthene	Fluoranthene		Fluorene	Indeno(1,2,3-c,d)pyrene	Naphthalene	Phenylene	Phenanthrene	Pyrene
NA	Area 1	ECC_01	79	<LOD	<LOD	<LOD	1.86	2.24	4.83	5.14	3.69	2.72	<LOD	<LOD	<LOD	<LOD	3.95	<LOD	3.99	<LOD	4.27	2.18	<LOD	5.98	3.08	7.16	
NA	Area 1	ECC_02	79	<LOD	<LOD	<LOD	<LOD	<LOD	3.92	3.24	2.13	1.62	<LOD	<LOD	<LOD	<LOD	1.66	<LOD	2.39	<LOD	2.89	<LOD	<LOD	2.19	1.69	5.79	
NA	Area 1	ECC_03	75.7	<LOD	<LOD	<LOD	<LOD	1.36	1.72	4.07	4.45	2.98	1.78	<LOD	<LOD	<LOD	2.24	<LOD	3.04	<LOD	4.09	1.42	<LOD	2.68	2.37	6.85	
NA	Area 1	ECC_04	76.6	<LOD	<LOD	<LOD	1.35	1.78	3.86	4.13	2.88	1.68	<LOD	<LOD	<LOD	<LOD	2.25	<LOD	2.95	<LOD	3.98	<LOD	<LOD	3.27	2.24	7.64	
NA	Area 1	ECC_05	74.8	<LOD	<LOD	<LOD	1.39	1.63	3.65	4.38	2.99	1.63	<LOD	<LOD	<LOD	<LOD	2.28	<LOD	3.08	<LOD	3.8	<LOD	<LOD	2.36	2.24	8.1	
NA	Area 1	ECC_06	75.9	<LOD	<LOD	<LOD	1.6	2.66	4.79	4.85	3.48	2.27	<LOD	<LOD	<LOD	<LOD	2.75	<LOD	3.75	<LOD	4.09	1.68	<LOD	3.64	2.82	8.54	
NA	Area 1	ECC_07	74.4	<LOD	<LOD	<LOD	2.45	2.7	5.98	5.99	4.44	1.97	<LOD	<LOD	<LOD	<LOD	3.97	<LOD	5.46	<LOD	4.91	2.18	<LOD	4.87	4.41	10.01	
NA	Area 1	ECC_08	75.9	<LOD	<LOD	<LOD	3.58	4	8.68	8.04	6.52	3.64	<LOD	<LOD	<LOD	<LOD	5.8	1.32	7.89	<LOD	7.96	3.47	1.77	7.46	6.14	13.19	
NA	Area 1	ECC_09	79.3	<LOD	<LOD	<LOD	2.69	2.87	6.78	6.26	4.81	3.26	<LOD	<LOD	<LOD	<LOD	4.59	<LOD	5.94	<LOD	5.47	3.3	<LOD	8.09	4.89	9.39	
NA	Area 1	ECC_10	79.2	<LOD	<LOD	<LOD	3.12	3	7.28	6.53	5.39	2.63	<LOD	<LOD	<LOD	<LOD	4.93	<LOD	6.83	<LOD	6.31	2.77	<LOD	8.06	5.34	10.89	
NA	Area 1	ECC_11	75.4	<LOD	<LOD	<LOD	2.02	2.22	5.63	5.98	3.9	1.8	<LOD	<LOD	<LOD	<LOD	3.33	<LOD	4.33	<LOD	4.87	1.41	<LOD	4.99	3.41	7.73	
NA	Area 1	ECC_12	77.8	<LOD	<LOD	<LOD	2.16	2.23	4.93	4.58	3.8	2.24	<LOD	<LOD	<LOD	<LOD	3.45	<LOD	4.83	<LOD	3.82	1.84	<LOD	5.08	3.66	5.31	
NA	Area 1	ECC_13	78.6	<LOD	<LOD	<LOD	1.51	1.81	4.11	4.98	2.92	1.58	<LOD	<LOD	<LOD	<LOD	2.38	<LOD	3.42	<LOD	3.56	1.84	<LOD	2.75	2.81	2.8	
NA	Area 1	ECC_14	76.6	<LOD	<LOD	<LOD	1.08	<LOD	3.13	2.85	2.29	<LOD	<LOD	<LOD	<LOD	<LOD	1.85	<LOD	2.66	<LOD	2.53	<LOD	<LOD	1.81	1.86	4.27	
NA	Area 1	ECC_15	76.6	<LOD	<LOD	<LOD	3.31	2.99	6.18	5.5	4.96	1.98	<LOD	<LOD	<LOD	<LOD	5.2	<LOD	7.92	<LOD	4.21	2.84	<LOD	9.25	6.1	7.5	
NA	Area 1	ECC_16	76	<LOD	<LOD	<LOD	2.02	2.17	4.93	3.81	3.39	1.4	<LOD	<LOD	<LOD	<LOD	3.65	<LOD	4.23	<LOD	3.19	3.45	<LOD	6.42	3.34	4.87	
NA	Area 1	ECC_17	78.4	<LOD	<LOD	<LOD	3.42	3.33	5.16	5.62	5.4	2.33	<LOD	<LOD	<LOD	<LOD	5.25	<LOD	6.22	<LOD	1.3	4.08	5.95	<LOD	10.2	6.39	5.44
NA	Area 1	ECC_18	76	1.82	3.52	6	18.2	17.6	22.9	23.2	21.4	8.44	<LOD	<LOD	<LOD	<LOD	25.1	3.98	28.1	6.12	9	28.2	4.2	68.5	30.3	18.4	
NA	Area 1	ECC_19	75.8	5.98	10.3	15	49.1	46.5	59.3	50.3	50.2	25	<LOD	<LOD	<LOD	<LOD	58.3	9.65	82.4	18.5	40	75.8	11.1	93.1	75.4	25.97	
NA	Area 1	ECC_20	74.6	6.75	17.7	30.3	93	81.7	94.4	86.9	89.8	32.2	<LOD	<LOD	<LOD	<LOD	117	14.3	157	28.1	114	19.2	258	156	61.64		
NA	Area 1	ECC_21	74	7.11	15.6	24	73.1	67.1	81.3	76.8	74.4	30	<LOD	<LOD	<LOD	<LOD	88.3	13.3	118	28.2	96.4	123	15.4	149	108	43.79	
NA	Area 1	ECC_23	79.9	<LOD	<LOD	<LOD	4.63	4.14	4.83	5.23	5.61	2.15	<LOD	<LOD	<LOD	<LOD	8.46	<LOD	8.45	1.57	3.04	8.73	<LOD	<LOD	12	7.88	9.21
NA	Area 1	ECC_24	76.6	<LOD	<LOD	<LOD	3.85	3.34	5.85	5.88	6.7	2.33	<LOD	<LOD	<LOD	<LOD	7.56	<LOD	9.25	<LOD	3.33	3.97	1.35	6.39	9.3	10.78	
NA	Area 1	ECC_25	77.2	<LOD	<LOD	<LOD	1.44	4.4	4.28	6.04	6	6.68	<LOD	<LOD	<LOD	<LOD	7.15	<LOD	8.81	1.47	3.78	5.7	1.37	9.91	8.65	7.85	
NA	Area 1	ECC_26	77.6	<LOD	<LOD	<LOD	3.3	3.12	4.64	6.04	6.31	1.7	<LOD	<LOD	<LOD	<LOD	6.18	<LOD	7.01	<LOD	3.06	4.39	<LOD	7.85	7.5	6.77	
NA	Area 1	ECC_27	76	<LOD	<LOD	<LOD	3.5	8.66	8.3	9.51	6.05	9.13	<LOD	<LOD	<LOD	<LOD	11.4	1.52	19.9	<LOD	6.47	5.01	2.98	6.73	14.5	6.95	
Limits of detection (µg/kg dry weight)				1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	6.1

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: 01/10/2018

determinand analysis outputs:

Laboratory sample number	Dredge Area	Sample ID(s)	Total solids (%)	Organotins as mg/kg dry weight	
				Dibutyltine (DBT)	Tributyltin (TBT)
N/A	Area i	ENV1	N/A	<LOD	<LOD
N/A	Area i	ENV2	N/A	<LOD	<LOD
N/A	Area i	ENV4	N/A	<LOD	<LOD
N/A	Area i	ENV5	N/A	<LOD	<LOD
N/A	Area i	ENV6	N/A	<LOD	<LOD
N/A	Area i	ENV8	N/A	<LOD	<LOD
N/A	Area i	ENV9	N/A	<LOD	<LOD
N/A	Area i	ENV10	N/A	<LOD	<LOD
N/A	Area i	ENV11	N/A	<LOD	<LOD
N/A	Area i	ENV14	N/A	<LOD	<LOD
N/A	Area i	ENV15	N/A	<LOD	<LOD
N/A	Area i	ENV16	N/A	<LOD	<LOD
N/A	Area i	ENV17	N/A	<LOD	<LOD
N/A	Area i	ENV18	N/A	<LOD	<LOD
N/A	Area i	ENV19	N/A	<LOD	<LOD
N/A	Area i	ENV20	N/A	<LOD	<LOD
N/A	Area i	ENV21	N/A	<LOD	<LOD
N/A	Area i	ENV22	N/A	<LOD	<LOD
N/A	Area i	ENV23	N/A	<LOD	<LOD
N/A	Area i	ENV24	N/A	<LOD	<LOD
N/A	Area i	ENV25	N/A	<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. This 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 "<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: SOCOPEC
 Date of analysis: 15-10/2018

determinand analysis outputs:

Laboratory sample number	Design Area	Sample ID(s)	Total Solids (%)	PAHs as dry weight (µg/kg dry weight)																			Total hydrocarbon content (mg/kg)			
				Acenaphthene	Acenaphthylene	Anthracene	Benzo(a)anthracene	Benzo(b)fluoranthene	Benzo(k)fluoranthene	Benzo(a,h)perylene	Benzo(e)pyrene	Benzo(i)fluoranthene	C1-Naphthalenes	C1-Phenanthrenes	C2-Naphthalenes	C3-Naphthalenes	Chrysene	Dibenz(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-c,d)pyrene	Naphthalene		Perylene	Phenanthrene	Pyrene
MAR00130_001	Area 1	ENV1	N/A	<LOD	<LOD	<LOD	<LOD	<LOD	1.81	1.99	1.92	<LOD	1.62	2.02	2.28	1.66	1.15	<LOD	1.72	<LOD	1.85	<LOD	1.22	1.3	3.3	
MAR00130_002	Area 1	ENV2	N/A	<LOD	<LOD	<LOD	1.12	1.94	2.65	2.35	2.19	<LOD	3.77	5.28	5.83	4.13	2.91	<LOD	3.26	<LOD	1.51	<LOD	2.97	2.46	5.5	
MAR00130_003	Area 1	ENV4	N/A	<LOD	<LOD	<LOD	2.14	2.4	4.8	4.79	3.87	1.89	6.99	8.71	8.39	5.43	3.42	<LOD	5.39	<LOD	4.12	2.01	1.37	4.87	4.19	6.9
MAR00130_004	Area 1	ENV5	N/A	<LOD	<LOD	<LOD	1.25	1	2.64	1.78	1.95	<LOD	1.7	1.95	2.93	2.31	2.27	<LOD	3.64	<LOD	1.54	<LOD	<LOD	1.82	2.35	3.8
MAR00130_005	Area 1	ENV6	N/A	<LOD	<LOD	<LOD	<LOD	<LOD	2.13	2	1.98	<LOD	2.61	1.98	3.89	2.98	1.82	<LOD	2.13	<LOD	<LOD	<LOD	<LOD	1.89	1.99	3.7
MAR00130_006	Area 1	ENV8	N/A	<LOD	<LOD	<LOD	1.18	1.52	3.49	3.27	2.43	1.26	3.76	4.58	3.96	2.31	1.62	<LOD	2.74	<LOD	3.13	1	<LOD	2.3	2.02	4
MAR00130_007	Area 1	ENV9	N/A	<LOD	<LOD	<LOD	1.9	2.53	4.85	4.91	4	2.04	5.93	6.97	7.38	4.37	3.23	<LOD	4.59	<LOD	4.55	1.75	1.43	4.2	3.75	6
MAR00130_008	Area 1	ENV10	N/A	<LOD	<LOD	<LOD	2.76	3.44	6.04	6.5	5.18	2.7	6.46	7.37	8.88	4.72	4.1	<LOD	5.18	<LOD	6.04	1.82	1.64	4.04	4.36	7.5
MAR00130_009	Area 1	ENV11	N/A	<LOD	<LOD	<LOD	1.76	1.95	3.2	3.26	2.42	1.19	3.64	3.39	3.69	1.77	1.76	<LOD	2.87	<LOD	3.2	<LOD	<LOD	1.91	2.17	5.3
MAR00130_010	Area 1	ENV14	N/A	<LOD	<LOD	<LOD	<LOD	1.25	2.83	2.81	2.11	1.18	3.42	3.45	3.17	1.84	1.47	<LOD	2.14	<LOD	2.83	<LOD	<LOD	1.83	1.66	3.7
MAR00130_011	Area 1	ENV15	N/A	<LOD	<LOD	<LOD	2.51	3.2	6.8	6.5	4.89	2.3	6.97	7.6	7.84	3.74	3.74	1.16	4.99	<LOD	6.52	2.08	1.85	4.38	3.79	5.9
MAR00130_012	Area 1	ENV16	N/A	<LOD	<LOD	<LOD	2.39	3.12	5.89	6.43	5.09	2.57	7.76	8.25	8.5	3.85	3.86	1.83	4.88	<LOD	6.18	2.43	1.52	4.8	3.95	5.4
MAR00130_013	Area 1	ENV17	N/A	<LOD	<LOD	1.89	3.94	5.28	16.2	10.8	8.4	5.04	16	15.7	15	6.23	6.25	1.8	7.8	1.23	16.5	4.86	3	7.52	6.24	8.6
MAR00130_014	Area 1	ENV18	N/A	<LOD	<LOD	<LOD	<LOD	<LOD	1.1	<LOD	<LOD	1.4	1.8	1.88	<LOD	<LOD	<LOD	<LOD	<LOD	1.13	<LOD	<LOD	<LOD	<LOD	<LOD	2.7
MAR00130_015	Area 1	ENV19	N/A	<LOD	<LOD	<LOD	2.49	3.39	7.39	7.17	5.32	2.46	7.65	8.64	8.64	3.67	3.77	1.27	5.32	<LOD	7.33	2.39	1.83	4.89	4.22	6.3
MAR00130_016	Area 1	ENV20	N/A	<LOD	<LOD	<LOD	<LOD	<LOD	1.69	1.91	1.34	<LOD	2.39	2.48	2.41	1.45	1.01	<LOD	1.37	<LOD	1.82	<LOD	1.25	1.06	1.3	3.3
MAR00130_017	Area 1	ENV21	N/A	<LOD	<LOD	<LOD	1.76	2.24	4.96	4.75	3.59	1.64	5.41	5.96	5.15	2.45	2.57	<LOD	3.93	<LOD	4.89	1.88	1.09	2.99	2.9	5
MAR00130_018	Area 1	ENV22	N/A	<LOD	<LOD	<LOD	1.49	2.03	4.24	4.26	3.33	1.78	4.07	4.4	3.9	1.98	2.26	<LOD	3.7	<LOD	4.93	1.94	<LOD	2.34	2.36	3.8
MAR00130_019	Area 1	ENV23	N/A	<LOD	<LOD	<LOD	<LOD	<LOD	1.12	<LOD	<LOD	<LOD	1.99	2.18	1.83	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	1.06	<LOD	1.6
MAR00130_020	Area 1	ENV24	N/A	<LOD	<LOD	<LOD	1.15	1.33	2.59	3.27	2.47	<LOD	5.49	6.63	8.97	3.3	2.22	<LOD	2.37	<LOD	2.88	1.43	<LOD	6.1	2	3.3
MAR00130_021	Area 1	ENV25	N/A	<LOD	<LOD	<LOD	<LOD	<LOD	1.69	1.79	1.4	<LOD	2.75	2.74	2.53	1.12	1.06	<LOD	1.3	<LOD	1.92	<LOD	<LOD	1.51	1.11	2.5
Limits of detection (µg/kg dry weight)				1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	6.1

Organochlorine 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 Organochlorine 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:

Laboratory sample number	Dredge Area	Sample ID(s)	Total Solids (%)	Organochlorine pesticides as mg/kg dry weight									
				alpha-hexachlorocyclohexane (AHCH)	beta-hexachlorocyclohexane (BHCH)	gamma-hexachlorocyclohexane (GHCH)	Dieldrin	Hexachlorobenzene (HCB)	1,1-Dichloro-2,2-bis(p-chlorophenyl) ethylene (PPDDE)	Dichlorodiphenyltrichloro ethane (PPDDT)	1,1-dichloro-2,2-bis(p-chlorophenyl)ethane (PPTDE)		
Limits of detection (mg/kg dry weight):													

