PR Details

Total amount to be dredged (wet tonnes)

Explanatory Notes:

The values entered for each determinand should be an average wet weight concentration from all stated in the Unit of measurement column in the table below.

Results above Action Level 1 will be highlighted in blue and above Action Level 2 in red.

Average for the total dredge area:

Sample ID Unit of measurement Total Solids % 66.4 Gravel % 9.8 Sand % 41.36 Silt % 15.24 Arsenic (As) 25.64 0.07 Cadmium (Cd) 0.07 13.01 Copper (Cu) 5.66 0.18 Mercury (Hg) 14.89 14.89 Zinc (Zn) 19.01 0.00332 Dibutyltin (DBT) 0.0013 4.6 SAA 22.94 2.02 Acenapth 2.02 4.6 BAA 11.95 10.03 BAF 10.03 16.82 BEP 8 10.03 BEF 5.73 10.03 C1N 2.79 2.79 Chrysene 10.76 2.79 BEF 8.21 8.21 BKF 5.73 2.79 Clucence 10.76 2.82.7 Flurant 8.52 2.79	Average for the total d	-	
Total Solids % 66.4 Gravel % 9.8 Sand % 41.36 Silt % 15.24 Arsenic (As) 25.64 Cadmium (Cd) 0.07 Chromium (Cr) 13.01 Copper (Cu) 5.66 Mercury (Hg) mg/kg Nickel (Ni) 4.78 Lead (Pb) 14.89 Zinc (Zn) 0.0013 Dibutyltin (DBT) 0.00332 Tributyltin (TBT) 0.0013 Acenapth 22.94 Acenapthylene 4.6 AAA 11.95 BAP 10.03 BBF 16.82 BEP 8.21 BKF 5.73 C1N 2.79 C1N 2.79 C1N 2.37 Chrysene 10.76 Debenzah 2.79 Flurant 8.52 perylene 15.49 phenant 16.96		Unit of	
Gravel % 9.8 Sand % 41.36 Silt % 15.24 Arsenic (As) 25.64 Cadmium (Cd) 13.01 Chromium (Cr) 0.07 Chromium (Cr) 5.66 Mercury (Hg) 13.01 Nickel (Ni) 4.78 Lead (Pb) 14.89 Zinc (Zn) 19.01 Dibutyltin (DBT) 0.00332 Tributyltin (TBT) 0.0013 Acenapth 22.94 Acenapth 2.02 Anthracn 4.6 BAA 11.95 BAP 10.03 BEF 8.21 BKF 5.73 C1N 0 C1PHEN 22.79 C2N 10.76 Debenzah 2.79 Flurant 2.37 Indypr 8.41 napth 8.52 perylene 15.49 phenant 0.07 PCB138			
Sand % 41.36 Silt % 15.24 Arsenic (As) 25.64 Cadmium (Cd) 13.01 Copper (Cu) 5.66 Mercury (Hg) 13.01 Nickel (Ni) 4.78 Lead (Pb) 14.89 Zinc (Zn) 19.01 Dibutyltin (DBT) 0.00332 Tributyltin (TBT) 0.0013 Acenapth 22.94 Acenapthylene 4.6 BAA 11.95 BAP 10.03 BBF 16.82 BEP 8.21 BKF 5.73 C1N 10.76 C2N 2.79 C3N 10.76 Chrysene 10.76 Debenzah 12.37 Flurant 8.52 Flurene 16.96 pyrene 15.49 THC 13512.42 PCB28 0.07 PCB138 0.13	Total Solids	%	66.4
Silt % 15.24 Arsenic (As) 25.64 Cadmium (Cd) 0.07 Chromium (Cr) 5.66 Mercury (Hg) 13.01 Nickel (Ni) 4.78 Lead (Pb) 14.89 Zinc (Zn) 19.01 Dibutyltin (DBT) 0.00332 Tributyltin (TBT) 0.0013 Acenapth 22.94 Acenapth 22.94 Acenapthylene 4.6 BAA 11.95 BAP 10.03 BBF 8.21 BKF 5.73 C1N 10.76 C2N 2.79 C3N 10.76 Chrysene 10.76 Debenzah 2.79 Flurant 8.52 Fluorene 10.76 Debenzah 8.52 perylene 10.76 phenant 8.52 porylene 15.49 THC 13512.42 PCB28 0.07 <td>Gravel</td> <td>%</td> <td>9.8</td>	Gravel	%	9.8
Arsenic (As) 25.64 Cadmium (Cd) 0.07 Chromium (Cr) 5.66 Mercury (Hg) mg/kg Nickel (Ni) 4.78 Lead (Pb) 14.89 Zinc (Zn) 99.01 Dibutyltin (DBT) 0.00332 Tributyltin (TBT) 0.0013 Acenapth 22.94 Acenapth 2.02 Anthracn 4.6 BAA 11.95 BAP 10.03 BBF 16.82 BEP 8.21 BKF 5.73 C1N 0.07 C1PHEN 0.02 C2N 0.02 C3N 0.07 Chrysene 10.76 Debenzah 2.79 Flurant 28.27 Fluorene 12.37 Indypr 8.41 napth 8.52 perylene 15.49 THC 13512.42 PCB28 0.07 PCB52 0.13 PCB118 0.13	Sand	%	41.36
Cadmium (Cd) 0.07 Chromium (Cr) 5.66 Mercury (Hg) mg/kg Nickel (Ni) 4.78 Lead (Pb) 14.89 Zinc (Zn) 0.0013 Dibutyltin (DBT) 0.0013 Acenapth 22.94 Acenapth 22.94 Acenapth 2.02 Anthracn 4.6 BAA 11.95 BAP 10.03 BF 821 BKF 5.73 C1N 0.007 C2N 0.07 C3N 0.07 Chrysene 10.76 Debenzah 2.79 Flurant 28.27 Fluorene 10.76 Debenzah 2.79 Flurant 28.27 Fluorene 15.49 napth 8.52 perylene 0.07 phenant 16.96 pyrene 15.49 THC 13512.42 PCB28	Silt	%	15.24
Cadmium (Cd) 0.07 Chromium (Cr) 5.66 Mercury (Hg) mg/kg Nickel (Ni) 4.78 Lead (Pb) 14.89 Zinc (Zn) 0.0013 Dibutyltin (DBT) 0.0013 Acenapth 22.94 Acenapth 22.94 Acenapth 2.02 Anthracn 4.6 BAA 11.95 BAP 10.03 BF 821 BKF 5.73 C1N 0.007 C2N 0.07 C3N 0.07 Chrysene 10.76 Debenzah 2.79 Flurant 28.27 Fluorene 10.76 Debenzah 2.79 Flurant 28.27 Fluorene 15.49 napth 8.52 perylene 0.07 phenant 16.96 pyrene 15.49 THC 13512.42 PCB28	Arsenic (As)		25.64
Chromium (Cr) 13.01 Copper (Cu) 5.66 Mercury (Hg) 0.18 Nickel (Ni) 4.78 Lead (Pb) 14.89 Zinc (Zn) 19.01 Dibutyltin (DBT) 0.00332 Tributyltin (TBT) 0.0013 Acenapth 22.94 Acenapth 2.02 Anthracn 4.6 BAA 11.95 BAP 10.03 BF 16.82 BEP 8 Benzghip 8.21 BKF 5.73 C1N 27.9 C2N 2.79 C3N 2.79 Flurant 28.27 Fluorene 10.76 Debenzah 2.79 Flurant 8.52 perylene 15.49 phenant 9 Mercene 15.49 THC 13512.42 PCB28 0.07 PCB138 0.13			0.07
Copper (Cu) 5.66 Mercury (Hg) mg/kg Nickel (Ni) 4.78 Lead (Pb) 14.89 Zinc (Zn) 0.0013 Dibutyltin (DBT) 0.00332 Tributyltin (TBT) 0.0013 Acenapth 22.94 Acenapth 2.02 Anthracn 4.6 BAA 11.95 BAP 10.03 BBF 8.21 BKF 5.73 C1N 5.73 C1N 22.94 Carno 8.21 BKF 5.73 C1N 5.73 C1N 10.03 C2N 2.02 C3N 10.03 Chrysene 10.76 Debenzah 2.79 Flurant 8.52 perylene 11.93 phenant 9.52 perylene 15.49 THC 13512.42 PCB28 0.07 PCB128 0.13 <td></td> <td></td> <td></td>			
Mercury (Hg) mg/kg 0.18 Nickel (Ni) 4.78 4.78 Lead (Pb) 14.89 14.89 Zinc (Zn) 19.01 0.00332 Dibutyltin (DBT) 0.0013 22.94 Acenapth 22.94 2.02 Acternapthylene 4.6 84 Acenapthylene 4.6 84 Acenapthylene 10.03 88 Acenapthylene 8.21 82 Acenapthpip 8.21 82 BAP 10.03 88 16.82 BEP 8.21 8.21 8.21 BKF 5.73 10 0.03 10.03 C1N 10.03 10.03 10.03 10.03 C1N 10.03 10.03 10.03 10.03 C2N 5.73 10.03 10.03 10.03 10.03 C2N 10.76 28.27 10.76 28.27 10.76 28.27 10.76 28.27 10.13 10.13			5.66
Nickel (Ni) Highty 4.78 Lead (Pb) 14.89 14.89 Zinc (Zn) 19.01 0.00332 Dibutyltin (DBT) 0.0013 0.0013 Acenapth 22.94 4.6 Acenapthylene 4.6 11.95 AAcenapthylene 4.6 8AA BAP 10.03 8BF Benzghip 8.21 82 BKF 5.73 16.82 C1N 0.007 2.79 C1PHEN 0.007 0.076 C2N 0.07 12.37 Chrysene 10.76 28.27 Flurant 28.27 12.37 Indypr 8.41 8.52 perylene 15.49 15.49 THC 13512.42 0.07 PCB28 0.07 0.13 PCB101 0.13 0.13 PCB118 0.13 0.13			0.18
Lead (Pb) 14.89 Zinc (Zn) 19.01 Dibutyltin (DBT) 0.00332 Tributyltin (TBT) 0.0013 Acenapth 22.94 Acenapth 202 Anthracn 4.6 BAA 11.95 BAP 10.03 BF 16.82 BEP 8 Benzghip 8.21 BKF 5.73 C1N 27.9 C1PHEN 28.27 C2N 27.9 Flurant 28.27 Flurene 12.37 Indypr 8.41 napth 8.52 perylene 15.49 THC 13512.42 PCB28 0.07 PCB28 0.13 PCB101 0.13 PCB118 0.13		тід/кд	4.78
Zinc (Zn) 19.01 Dibutyltin (DBT) 0.00332 Tributyltin (TBT) 0.0013 Acenapth 22.94 Acenapth 2.02 Anthracn 4.6 BAA 11.95 BAP 10.03 BBF 16.82 BEP 8 Benzghip 8.21 BKF 5.73 C1N 27.9 C1N 27.9 C1PHEN 27.9 C2N 27.9 Flurant 28.27 Flurene 12.37 Indypr 8.41 napth 8.52 perylene 9 phenant 16.96 pyrene 15.49 THC 13512.42 PCB28 0.07 PCB52 0.13 PCB118 0.13 PCB138 0.19			
Dibutyltin (DBT) 0.00332 Tributyltin (TBT) 0.0013 Acenapth 22.94 Acenapthylene 2.02 Anthracn 4.6 BAA 11.95 BAP 10.03 BBF 16.82 BEP 887 Benzghip 8.21 BKF 5.73 C1N 0.076 C2N 0.076 C2N 2.79 Flurant 28.27 Fluorene 12.37 Indypr 8.41 napth 8.52 perylene 15.49 THC 13512.42 PCB28 0.07 PCB118 0.13 PCB138 0.19			19.01
Tributyltin (TBT) 0.0013 Acenapth 22.94 Acenapthylene 2.02 Anthracn 4.6 BAA 11.95 BAP 10.03 BBF 16.82 BEP 8.21 BKF 5.73 C1N 27.9 C1PHEN 28.27 C2N 27.9 C3N 10.76 Debenzah 2.79 Flurant 28.27 Fluorene 12.37 Indypr 8.41 napth 8.52 perylene 15.49 THC 13512.42 PCB28 0.07 PCB52 0.13 PCB118 0.13 PCB138 0.19			0.00332
Acenapthylene 2.02 Anthracn 4.6 BAA 11.95 BAP 10.03 BBF 16.82 BEP 8.21 BKF 5.73 C1N 5.73 C1PHEN 2000 C2N 10.76 Debenzah 2.79 Flurant 28.27 Fluorene 12.37 Indypr 8.41 napth 8.52 perylene 16.96 pyrene 15.49 THC 13512.42 PCB28 0.07 PCB52 0.13 PCB118 0.13 PCB138 0.19			0.0013
Anthrach 4.6 BAA 11.95 BAP 10.03 BBF 16.82 BEP 8.21 BKF 5.73 C1N 2.73 C1PHEN 2.79 C2N 10.76 Debenzah 2.79 Flurant 28.27 Fluorene 12.37 Indypr 8.41 napth 8.52 perylene 16.96 pyrene 15.49 THC 13512.42 PCB28 0.07 PCB52 0.13 PCB101 0.13 PCB118 0.13 PCB138 0.19	Acenapth		22.94
BAA 11.95 BAP 10.03 BBF 16.82 BEP 8.21 BKF 5.73 C1N 5.73 C1N 0 C2N 0 C3N 0 Chrysene 10.76 Debenzah 2.79 Flurant 28.27 Fluorene 12.37 Indypr 8.41 napth 8.52 perylene 16.96 pyrene 15.49 THC 13512.42 PCB28 0.07 PCB52 0.13 PCB101 0.13 PCB118 0.13 PCB138 0.19	Acenapthylene		2.02
BAP 10.03 BBF 16.82 BEP 8.21 BKF 5.73 C1N 2.73 C1PHEN 2.79 C3N 10.76 Debenzah 2.79 Flurant 28.27 Fluorene 12.37 Indypr 8.41 napth 8.52 perylene 16.96 pyrene 15.49 THC 13512.42 PCB28 0.07 PCB52 0.13 PCB101 0.13 PCB118 0.13 PCB138 0.19	Anthracn		4.6
BBF 16.82 BEP 8.21 BKF 5.73 C1N 5.73 C1N 0 C1PHEN 0 C2N 0 C3N 0.79 Chrysene 10.76 Debenzah 2.79 Flurant 28.27 Fluorene 12.37 Indypr 8.41 napth 8.52 perylene 0 phenant 16.96 pyrene 15.49 THC 13512.42 PCB28 0.07 PCB52 0.13 PCB101 0.13 PCB118 0.13 PCB138 0.19	BAA		11.95
BEP 8.21 Benzghip 8.21 BKF 5.73 C1N 5.73 C1N 0 C1PHEN 0 C2N 0 C3N 0 Chrysene 10.76 Debenzah 2.79 Flurant 28.27 Fluorene 12.37 Indypr 8.41 napth 8.52 perylene 0 phenant 16.96 pyrene 15.49 THC 13512.42 PCB28 0.07 PCB52 0.13 PCB101 0.13 PCB118 0.13 PCB138 0.19	BAP		10.03
Benzghip 8.21 BKF 5.73 C1N 5.73 C1PHEN 0 C2N 0 C3N 10.76 Debenzah 2.79 Flurant 28.27 Fluorene 12.37 Indypr 8.41 napth 8.52 perylene 0 phenant 16.96 pyrene 15.49 THC 13512.42 PCB28 0.07 PCB52 0.13 PCB101 0.13 PCB118 0.13 PCB138 0.19	BBF		16.82
BKF 5.73 C1N 5.73 C1PHEN 2 C2N 10.76 Chrysene 10.76 Debenzah 2.79 Flurant 28.27 Fluorene 12.37 Indypr 8.41 napth 8.52 perylene 16.96 pyrene 15.49 THC 13512.42 PCB28 0.07 PCB52 0.13 PCB101 0.13 PCB118 0.13 PCB138 0.19	BEP		
BKF 5.73 C1N C1PHEN C2N C3N Chrysene 10.76 Debenzah 2.79 Flurant 28.27 Fluorene 12.37 Indypr 8.41 napth 8.52 perylene phenant 16.96 pyrene 15.49 THC 13512.42 PCB28 0.07 PCB52 0.13 PCB101 0.13 PCB118 0.13 PCB138 0.19	Benzghip		8.21
C1PHEN C2N C3N Chrysene Debenzah Flurant Fluorene 10.76 Debenzah 2.79 Flurant Pluorene 12.37 Indypr 8.41 napth 8.52 perylene phenant policitation 16.96 pyrene 15.49 THC PCB28 0.07 PCB52 0.13 PCB101 0.13 PCB118 0.13 PCB138			5.73
C2N C3N Chrysene Debenzah Plurant Fluorene 12.37 Indypr 8.41 napth perylene phenant pyrene THC PCB28 0.07 PCB52 0.13 PCB101 0.13 PCB138	C1N		
C3N 10.76 Chrysene 2.79 Debenzah 2.79 Flurant 28.27 Fluorene 12.37 Indypr 8.41 napth 8.52 perylene 15.49 THC 13512.42 PCB28 0.07 PCB52 0.13 PCB101 0.13 PCB138 0.19	C1PHEN		
Chrysene 10.76 Debenzah 2.79 Flurant 28.27 Fluorene 12.37 Indypr 8.41 napth 8.52 perylene 16.96 pyrene 15.49 THC 13512.42 PCB28 0.07 PCB52 0.13 PCB101 0.13 PCB188 0.13 PCB138 0.19	C2N		
Debenzah 2.79 Flurant 28.27 Fluorene 12.37 Indypr 8.41 napth 8.52 perylene 16.96 pyrene 15.49 THC 13512.42 PCB28 0.07 PCB52 0.13 PCB101 0.13 PCB188 0.13 PCB138 0.19	C3N		
Debenzah 2.79 Flurant 28.27 Fluorene 12.37 Indypr 8.41 napth 8.52 perylene 16.96 pyrene 15.49 THC 13512.42 PCB28 0.07 PCB52 0.13 PCB101 0.13 PCB188 0.13 PCB138 0.19	Chrysene		10.76
Fluorene 12.37 Indypr 8.41 napth 8.52 perylene 16.96 pyrene 15.49 THC 13512.42 PCB28 0.07 PCB52 0.13 PCB101 0.13 PCB138 0.19			2.79
Indypr 8.41 napth 8.52 perylene 16.96 pyrene 15.49 THC 13512.42 PCB28 0.07 PCB52 0.13 PCB101 0.13 PCB138 0.19	Flurant		28.27
napth 8.52 perylene 16.96 pyrene 15.49 THC 13512.42 PCB28 0.07 PCB52 0.13 PCB101 0.13 PCB188 0.13 PCB138 0.19	Fluorene		12.37
perylene 16.96 pyrene 15.49 THC 13512.42 PCB28 0.07 PCB52 0.13 PCB101 0.13 PCB188 0.13 PCB188 0.13	Indypr]	8.41
phenant 16.96 pyrene 15.49 THC 13512.42 PCB28 0.07 PCB52 0.13 PCB101 0.13 PCB138 0.19	napth]	8.52
pyrene 15.49 THC 13512.42 PCB28 0.07 PCB52 0.13 PCB101 0.13 PCB138 0.19	perylene]	
THC 13512.42 PCB28 0.07 PCB52 0.13 PCB101 0.13 PCB138 0.19	phenant]	16.96
PCB28 0.07 PCB52 0.13 PCB101 0.13 PCB118 0.13 PCB138 0.19]	
PCB28 0.07 PCB52 0.13 PCB101 0.13 PCB118 0.13 PCB138 0.19	THC]	13512.42
PCB101 0.13 PCB118 0.13 PCB138 0.19	PCB28]	
PCB118 0.13 PCB138 0.19]	
PCB138 0.19]	
]	
PCB153 0.17	PCB138]	
]	0.17
PCB18]	
PCB105	PCB105	J	

PCB110		
PCB128		
PCB141		
PCB149	µg/kg	
PCB151		
PCB156		
PCB158		
PCB170		
PCB180		0.16
PCB183		
PCB187		
PCB194		
PCB31		
PCB44		
PCB47		
PCB49		
PCB66		
ICES7		0.86
AHCH		
ВНСН		
GHCH		
DIELDRIN		
HCB		
DDE		
DDT		
TDE		
BDE100		
BDE138		
BDE153		
BDE154		
BDE17		
BDE183		
BDE209		
BDE28		
BDE47		
BDE66		
BDE85		
BDE99		

Comments:

Laboratory Report states "Arsenic results have been affected by manufacturer contamination of 1 used in the digest, leading to over-recovery of arsenic, estimated at ~28mg/kg. Cadmium and Lea have also been affected by contamination in the HF. This caused under-recovery of these comport for lead and 50% for cadmium), potentially due to the suppression in the MS." RESULTS FOR AR CADMIUM AND LEAD ARE INDICATIVE ONLY.
 Where < figures we obtained from the test results, the maximum figure has been used for averaging purposes (ie <20

the samples representing the material to be disposed to sea. They should be entered in the units

the HF id results unds (75% SENIC, re .0 = 20.0).