

**Appendix 6.2- Summary of Chemical Screening Result and Disposal Options  
Marine-Based Sediment**

Analyte Description		Silver	Arsenic	Cadmium	Chromium	Copper	Nickel	Lead	Zinc	Mercury	Total Polychlorinated biphenyls	Low M.W. PAHs	High M.W. PAHs	Tributyl Tin	Lab Report No.	ETWB TCW No. 34/2002 - Classification of Sediment	Sample require Biological Test? (Y/N)	Biological Test Pass?	Disposal Option
Unit (In dry Wt basis)		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	µg/kg	µg/kg	µg/kg	ug TBT/L					
Reporting Limits		0.1	1	0.2	1	1	1	1	1	0.05	18	550	1700	0.015					
Lower Chemical Exceedance Level (LCEL)		<b>1</b>	<b>12</b>	<b>1.5</b>	<b>80</b>	<b>65</b>	<b>40</b>	<b>75</b>	<b>200</b>	<b>0.5</b>	<b>23</b>	<b>550</b>	<b>1700</b>	<b>0.15</b>					
Upper Chemical Exceedance Level (UCEL)		<b>2</b>	<b>42</b>	<b>4</b>	<b>160</b>	<b>110</b>	<b>40</b>	<b>110</b>	<b>270</b>	<b>1</b>	<b>180</b>	<b>3160</b>	<b>9600</b>	<b>0.15</b>					
10 x (LCEL)		<b>10</b>	<b>120</b>	<b>15</b>	<b>800</b>	<b>650</b>	<b>400</b>	<b>750</b>	<b>2000</b>	<b>5</b>	<b>230</b>	<b>5500</b>	<b>17000</b>	<b>1.5</b>					
Sampling ID	Date of Sampling																		
BHD4 - seabed	20/06/2022	<0.1	12	<0.2	30	17	20	40	82	<0.05	<18	<550	<1700	<0.015	HK2223692-001	L	No	NA	Type 1
BHD4 - 0.10-0.45m , 0.45-0.90m	20/06/2022	<0.1	<b>14</b>	<0.2	38	19	26	46	86	<0.05	<18	<550	<1700	<0.015	HK2223692-002	<b>M</b>	Yes	Yes	Type 1- DS
BHE1 - seabed	15/06/2022	0.2	12	<0.2	32	29	22	41	110	0.07	<18	<550	<1700	<0.015	HK2222847-001	L	No	NA	Type 1
BHE1 - 0.10-0.45m , 0.45-0.90m	15/06/2022	0.3	<b>16</b>	<0.2	43	36	29	49	114	0.11	<18	<550	<1700	<0.015	HK2222847-002	<b>M</b>	Yes	Yes	Type 1- DS
BHE1 - 0.90-1.40m , 1.40-1.90m	15/06/2022	0.2	11	<0.2	34	24	23	39	96	0.07	<18	<550	<1700	<0.015	HK2222847-003	L	No	NA	Type 1
BHE1 - 1.90-2.40m , 2.40-2.90m	15/06/2022	0.3	<b>16</b>	<0.2	42	37	28	48	113	0.11	<18	<550	<1700	<0.015	HK2222847-004	<b>M</b>	Yes	Yes	Type 1
BHE1 - 2.90-3.40m , 3.40-3.90m	15/06/2022	0.2	<b>14</b>	<0.2	40	27	27	44	99	0.09	<18	<550	<1700	<0.015	HK2222847-005	<b>M</b>	Yes	Yes	Type 1
BHE1 - 5.90-6.40m , 6.40-6.90m	15/06/2022	<0.1	8	<0.2	36	15	25	32	83	<0.05	<18	<550	<1700	<0.015	HK2222847-007	L	No	NA	Type 1
BHE1 - 8.90-9.40m , 9.40-9.90m	15/06/2022	<0.1	8	<0.2	37	16	26	33	82	<0.05	<18	<550	<1700	<0.015	HK2222847-009	L	No	NA	Type 1
BHE1 - 11.90-12.40m , 12.40-12.90m	16/06/2022	<0.1	8	<0.2	39	16	26	34	85	<0.05	<18	<550	<1700	<0.015	HK2223094-001	L	No	NA	Type 1
BHE1 - 14.90-15.40m , 15.40-15.90m	16/06/2022	<0.1	11	<0.2	38	15	25	34	75	<0.05	<18	<550	<1700	<0.015	HK2223094-003	L	No	NA	Type 1
BHE2 - seabed grab	01/06/2022	0.3	<b>15</b>	<0.2	47	42	29	52	139	0.11	<18	<550	<1700	<0.015	HK2220322-001	<b>M</b>	Yes	Yes	Type 1
BHE2 -0.10-0.60m	01/06/2022	0.2	<b>14</b>	<0.2	38	32	24	43	112	0.08	<18	<550	<1700	<0.015	HK2220322-002	<b>M</b>	Yes	Yes	Type 1
BHE2 - 2.00-2.50m , 2.50-3.00m	02/06/2022	<0.1	9	<0.2	38	22	24	33	84	0.05	<18	<550	<1700	<0.015	HK2220570-001	L	No	NA	Type 1
BHE2 - 3.00-3.50m , 3.50-4.00m	02/06/2022	<0.1	10	<0.2	39	29	29	34	89	<0.05	<18	<550	<1700	<0.015	HK2220570-002	L	No	NA	Type 1
BHE2 - 4.00-4.50m , 4.50-5.00m	02/06/2022	<0.1	8	<0.2	41	16	26	34	84	<0.05	<18	<550	<1700	<0.015	HK2220570-003	L	No	NA	Type 1
BHE2 - 5.00-5.50m , 5.50-6.00m	02/06/2022	<0.1	9	<0.2	42	18	27	34	89	<0.05	<18	<550	<1700	<0.015	HK2220570-004	L	No	NA	Type 1
BHE2 -7.00-7.50m	04/06/2022	<0.1	9	<0.2	39	15	24	33	86	<0.05	<18	<550	<1700	IS	HK2220768-001	L	No	NA	Type 1
BHE2 - 8.00-8.50m , 8.50-9.00m	04/06/2022	<0.1	8	<0.2	40	15	25	33	85	<0.05	<18	<550	<1700	IS	HK2220768-002	L	No	NA	Type 1
BHE2 - 10.00-10.50m , 10.50-11.00m	04/06/2022	<0.1	12	<0.2	44	15	27	34	79	<0.05	<18	<550	<1700	IS	HK2220768-003	L	No	NA	Type 1
BHE2 - 11.00-11.50m , 11.50-12.00m	04/06/2022	<0.1	10	<0.2	42	16	27	33	85	<0.05	<18	<550	<1700	IS	HK2220768-004	L	No	NA	Type 1
BHE3 - seabed grab	11/06/2022	0.4	<b>16</b>	<0.2	42	40	29	52	122	0.13	<18	<550	<1700	<0.015	HK2221873-001	<b>M</b>	Yes	Yes	Type 1
BHE3 - 0.10-0.45m , 0.45-0.90m	11/06/2022	0.4	<b>15</b>	<0.2	42	38	28	50	117	0.11	<18	<550	<1700	<0.015	HK2221873-002	<b>M</b>	Yes	Yes	Type 1
BHE3 - 0.90-1.40m , 1.40-1.90m	11/06/2022	0.3	<b>15</b>	<0.2	42	34	27	50	111	0.09	<18	<550	<1700	<0.015	HK2221873-003	<b>M</b>	Yes	Yes	Type 1
BHE3 - 1.90-2.40m , 2.40-2.90m	11/06/2022	<0.1	8	<0.2	34	14	24	33	79	<0.05	<18	<550	<1700	<0.015	HK2221873-004	L	No	NA	Type 1
BHE3 - 2.90-3.40m , 3.40-3.90m	13/06/2022	0.2	<b>14</b>	<0.2	36	31	24	49	116	0.08	<18	<550	<1700	<0.015	HK2222018-001	<b>M</b>	Yes	Yes	Type 1
BHE3 - 5.90-6.40m , 6.40-6.90m	13/06/2022	0.4	<b>19</b>	<0.2	44	41	29	51	121	0.14	<18	<550	<1700	<0.015	HK2222018-003	<b>M</b>	Yes	Yes	Type 1
BHE3 - 8.90-9.40m , 9.40-9.90m	13/06/2022	<0.1	9	<0.2	37	17	25	32	88	<0.05	<18	<550	<1700	<0.015	HK2222018-005	L	No	NA	Type 1
BHE3 - 11.90-12.40m , 12.40-12.90m	13/06/2022	<0.1	8	<0.2	36	15	25	33	85	<0.05	<18	<550	<1700	<0.015	HK2222018-007	L	No	NA	Type 1
BHE4 - seabed grab	08/06/2022	0.2	<b>16</b>	<0.2	38	29	24	48	104	0.09	<18	<550	<1700	<0.015	HK2221262-001	<b>M</b>	Yes	Yes	Type 1
BHE4 - 0.10-0.45mm , 0.45-0.90mm	08/06/2022	0.2	<b>16</b>	<0.2	41	28	26	49	100	0.09	<18	<550	<1700	<0.015	HK2221262-002	<b>M</b>	Yes	Yes	Type 1
BHE4 - 0.90-1.40m , 1.40-1.90m	09/06/2022	<0.1	8	<0.2	36	14	24	33	77	<0.05	<18	<550	<1700	<0.015	HK2221475-001	L	No	NA	Type 1
BHE4 - 1.90-2.40m , 2.40-2.90m	09/06/2022	<0.1	8	<0.2	35	13	23	32	75	<0.05	<18	<550	<1700	<0.015	HK2221475-002	L	No	NA	Type 1
BHE4 - 2.90-3.40m , 3.40-3.90m	09/06/2022	<0.1	9	<0.2	36	<b>100</b>	25	31	120	<0.05	<18	<550	<1700	<0.015	HK2221475-003	<b>M</b>	Yes	Yes	Type 1
BHE4 - 5.90-6.40m , 6.40-6.90m	09/06/2022	<0.1	8	<0.2	38	15	25	35	81	<0.05	<18	<550	<1700	<0.015	HK2221475-005	L	No	NA	Type 1
BHE4 - 8.90-9.40m , 9.40-9.90m	09/06/2022	<0.1	8	<0.2	37	14	24	34	77	<0.05	<18	<550	<1700	<0.015	HK2221475-007	L	No	NA	Type 1

**Bold:** Value that exceed LCEL

**Bold Italic and Underlined:** Value that exceed UCEL

**Bold and Underlined:** Value that exceed 10 x LCEL

Total PCB: Total PCBs calculated through summation of the 18 PCB congeners, based on raw data above the limit of detection of 1ug/kg.

IS Denoted: Insufficient interstitial water generated for TBT analysis.

Type 1- DS = Type 1 Open Sea Disposal (Dedicated Sites)

Type 1= Open Sea Disposal

Category L: Analytical results less than or equal to Lower Chemical Exceedance Level (LCEL)

Category M: Analytical results greater than Lower Chemical Exceedance Level (LCEL), but less than or equal to Upper Chemical Exceedance Level (UCEL)

Category H: Analytical results greater than Upper Chemical Exceedance Level (UCEL)

Category 10xLCEL: Analytical results greater than 10x Lower Chemical Exceedance Level (10xLCEL)



**Appendix 6.2- Summary of Chemical Screening Result and Disposal Options  
Land-Based Sediment**

Analyte Description	Silver	Arsenic	Cadmium	Chromium	Copper	Nickel	Lead	Zinc	Mercury	Total Polychlorinated biphenyls	Low M.W. PAHs	High M.W. PAHs	Tributyl Tin	Lab Report No.	ETWB TCW No. 34/2002 Classification of Sediment	Sample require Biological Test? (Y/N)	Biological Test Pass?	Disposal Option	
Unit (In dry Wt basis)	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	µg/kg	µg/kg	µg/kg	ug TBT/L						
Reporting Limits	0.1	1	0.2	1	1	1	1	1	0.05	18	550	1700	0.015						
Lower Chemical Exceedance Level (LCEL)	<b>1</b>	<b>12</b>	<b>1.5</b>	<b>80</b>	<b>65</b>	<b>40</b>	<b>75</b>	<b>200</b>	<b>0.5</b>	<b>23</b>	<b>550</b>	<b>1700</b>	<b>0.15</b>						
Upper Chemical Exceedance Level (UCEL)	<b>2</b>	<b>42</b>	<b>4</b>	<b>160</b>	<b>110</b>	<b>40</b>	<b>110</b>	<b>270</b>	<b>1</b>	<b>180</b>	<b>3160</b>	<b>9600</b>	<b>0.15</b>						
10 x (LCEL)	<b>10</b>	<b>120</b>	<b>15</b>	<b>800</b>	<b>650</b>	<b>400</b>	<b>750</b>	<b>2000</b>	<b>5</b>	<b>230</b>	<b>5500</b>	<b>17000</b>	<b>1.5</b>						
Sampling ID	Date of Sampling																		
BHD15 - 14.00-14.45m , 14.50-14.95m	02/09/2022	<0.1	9	<0.2	37	14	25	33	88	<0.05	<18	<550	<1700	IS	HK2234649-001	L	No	NA	Type 1
BHD15 - 15.00-15.45m , 15.50-15.95m	02/09/2022	<0.1	8	<0.2	38	15	26	34	80	<0.05	<18	<550	<1700	IS	HK2234649-002	L	No	NA	Type 1
BHD15 - 16.00-16.45m , 16.50-16.95m	02/09/2022	<0.1	9	<0.2	37	14	25	34	106	<0.05	<18	<550	<1700	IS	HK2234649-003	L	No	NA	Type 1
BHD15 - 17.00-17.45m	02/09/2022	<0.1	8	<0.2	39	14	27	33	92	<0.05	<18	<550	<1700	IS	HK2234649-004	L	No	NA	Type 1
BHD16 - 16.00-16.45m , 16.50-16.95m	06/09/2022	<0.1	8	<0.2	43	14	28	34	92	<0.05	<18	<550	<1700	IS	HK2235128-001	L	No	NA	Type 1
BHD16 - 17.00-17.45m	06/09/2022	<0.1	8	<0.2	41	13	26	32	99	<0.05	<18	<550	<1700	IS	HK2235128-002	L	No	NA	Type 1
BHD17 - 10.50-10.95m , 11.00-11.45m	13/09/2022	<0.1	9	<0.2	33	12	23	31	108	<0.05	<18	<550	<1700	<0.015	HK2236044-001	L	No	NA	Type 1
BHD17 - 11.50-11.95m , 12.00-12.45m	13/09/2022	<0.1	9	<0.2	35	13	24	31	106	<0.05	<18	<550	<1700	IS	HK2236044-002	L	No	NA	Type 1
BHD17 - 12.50-12.95m , 13.00-13.45m	13/09/2022	<0.1	8	<0.2	29	10	19	27	116	<0.05	<18	<550	<1700	<0.015	HK2236044-003	L	No	NA	Type 1
BHD17 - 13.50-13.95m , 14.00-14.45m	13/09/2022	<0.1	7	<0.2	29	11	20	28	80	<0.05	<18	<550	<1700	IS	HK2236044-004	L	No	NA	Type 1
BHD18 - 11.00-11.45m , 11.50-11.95m	06/09/2022	<0.1	8	<0.2	45	15	30	34	124	<0.05	<18	<550	<1700	<0.015	HK2235055-001	L	No	NA	Type 1
BHD18 - 12.00-12.45m , 12.50-12.95m	06/09/2022	<0.1	7	<0.2	32	11	20	26	97	<0.05	<18	<550	<1700	<0.015	HK2235055-002	L	No	NA	Type 1
BHD18 - 13.00-13.45m , 13.50-13.95m	06/09/2022	<0.1	5	<0.2	20	7	13	24	69	<0.05	<18	<550	<1700	<0.015	HK2235055-003	L	No	NA	Type 1
BHD19 - 14.30-14.75m , 14.80-15.25m	09/09/2022	<0.1	8	<0.2	39	15	26	37	106	<0.05	<18	<550	<1700	IS	HK2235808-001	L	No	NA	Type 1
BHD19 - 15.30-15.75m , 15.80-16.25m	09/09/2022	<0.1	8	<0.2	39	15	27	35	98	<0.05	<18	<550	<1700	IS	HK2235808-002	L	No	NA	Type 1
BHD19 - 16.30-16.75m , 16.80-17.25m	09/09/2022	<0.1	9	<0.2	39	15	27	38	120	<0.05	<18	<550	<1700	IS	HK2235808-003	L	No	NA	Type 1
BHD19 - 17.30-17.75m , 17.80-18.25m	09/09/2022	0.1	9	<0.2	35	15	24	51	102	<0.05	<18	<550	<1700	IS	HK2235808-004	L	No	NA	Type 1
BHD19 - 20.20-20.65m	09/09/2022	0.1	8	<0.2	30	14	20	58	105	<0.05	<18	<550	<1700	<0.015	HK2235808-005	L	No	NA	Type 1

**Bold:** Value that exceed LCEL

**Bold Italic and Underlined:** Value that exceed UCEL

**Bold and Underlined:** Value that exceed 10 x LCEL

Total PCB: Total PCBs calculated through summation of the 18 PCB congeners, based on raw data above the limit of detection of 1ug/kg.

IS Denoted: Insufficient interstitial water generated for TBT analysis.

Type 1- DS = Type 1 Open Sea Disposal (Dedicated Sites)

Type 1- = Type 1 Open Sea Disposal

Category L: Analytical results less than or equal to Lower Chemical Exceedance Level (LCEL)

Category M: Analytical results greater than Lower Chemical Exceedance Level (LCEL), but less than or equal to Upper Chemical Exceedance Level (UCEL)

Category H: Analytical results greater than Upper Chemical Exceedance Level (UCEL)

Category 10xLCEL: Analytical results greater than 10x Lower Chemical Exceedance Level (10xLCEL)