

Appendix N: Further Testing Results for Cockle Bank

EDTA Results

Sieved Fraction Results

Levels of Arsenic, Copper and Zinc for different soil fractions

Fractions (mm) Sample ID and depth	Arsenic					Copper					Zinc				
	< 0.06mm mg/kg	0.06- 0.2mm mg/kg	Average conc. in <0.2mm mg/kg	Estimate conc in >0.2mm mg/kg	Total As from TES mg/kg	< 0.06mm mg/kg	0.06- 0.2mm mg/kg	Average conc. in <0.2mm mg/kg	Estimate conc in >0.2mm mg/kg	Total Cu from TES mg/kg	< 0.06mm mg/kg	0.06- 0.2mm mg/kg	Average conc. in mg/kg	Estimate conc in mg/kg	Total Zn from TES mg/kg
BH803 1.5	201	84.4	116.2	124.7	122.2	504	186.7	273.2	15.5	92.1	396	153.1	219.3	190.8	199.3
BH803 2.5	197.3	77.5	93.5	35.1	44	499.6	142.3	189.9	55.9	76.3	364.7	145.3	174.6	81.9	96
BH803 4.0	149.8	50.8	63.7	-	-	394.5	80.8	121.7	-	-	324.5	104.8	133.5	-	-
BH803 5.5	70.6	20.2	23.9	20.5	21.4	175.7	14.3	26.3	14.9	17.8	175.9	44.9	54.6	50.8	51.8
BH804 2.0	224	80.8	103.4	-	-	629.2	170.4	242.8	-	-	378.9	187	217.3	-	-
BH804 3.0	117.6	46.7	57.1	-	-	287.8	84.7	114.5	-	-	221.7	104.6	121.8	-	-
BH804 3.5	226.3	101.4	126.8	22.9	59.2	484.8	159.9	225.9	59.7	117.8	354.3	196.8	228.8	50.1	112.6
BH804 5.0	80.1	29.8	34.0	-	-	149.7	37.7	47.0	-	-	166.9	60.1	69.0	-	-
BH805 2.0	86.1	38.4	44.7	-	-	151.9	49.4	62.9	-	-	142.6	69.8	79.4	-	-
BH805 2.5	56	22.9	27.3	11.1	14.7	125.8	38.7	50.3	18.6	25.6	107.4	47.7	55.7	4.4	15.7
BH805 3.5	72.5	30.9	36.6	21.2	23.6	112.6	32.9	43.9	14.7	19.2	135.1	59.6	70.0	17.4	25.5
BH805 4.5	103.2	41.5	50.8	10.2	18.6	185.2	57.1	76.5	0.5	16.3	170.7	88.2	100.7	3.0	23.3

Extractable levels of phytotoxic contaminants

Sample ID	Analyte:	EDTA Ext. Cadmium	EDTA Ext. Nickel	EDTA Ext. Copper	Total Copper	EDTA Ext. Zinc	Total Zinc
	Units Depth (m)	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
BH803 0.5	0.5	<1	<1	20	71.3	8	76.3
BH803 1.5	1.5	<1	<1	30	92.1	17	199.3
BH803 2.5	2.5	<1	<1	32	76.3	15	96
BH803 4.5	4.5	<1	<1	7	24	7	24
BH803 5.5	5.5	<1	<1	3	17.8	7	38
BH804 0.5	0.5	<1	1	25	167.1	34	130
BH804 1.5	1.5	<1	<1	63	165.4	25	91.3
BH804 2.5	2.5	<1	<1	21	29.1	12	22.6
BH804 3.5	3.5	<1	<1	49	117.8	24	112.6
BH804 4.5	4.5	<1	<1	18	40.6	14	55.2
BH804 5.0	5	<1	<1	9	-	12	-
BH805 0.5	0.5	<1	<1	63	-	26	-
BH805 1.5	1.5	<1	<1	84	219.1	24	138.7
BH805 2.5	2.5	<1	<1	11	25.6	6	15.7
BH805 3.0	3	<1	<1	10	-	6	-
BH805 4.0	4	<1	<1	3	-	5	-

"Extractable" limits for phytotoxicity

Copper 70 mg/dm³ ≈ 35 mg/kg
Zinc 130 mg/dm³ ≈ 65 mg/kg