

Table 4.2. Beta/gamma radioactivity in shellfish from the Irish Sea vicinity and further afield, 1998

Location ^a	Material	No. of sampling observations ^b	Mean radioactivity concentration (wet), Bq kg ⁻¹								
			¹⁴ C	⁶⁰ Co	⁶⁵ Zn	⁹⁰ Sr	⁹⁵ Zr	⁹⁵ Nb	⁹⁹ Tc	¹⁰³ Ru	¹⁰⁶ Ru
Sellafield coastal area	Crabs ^c	8	160	3.7	<0.20	1.8	<0.22	<0.29	51	<0.19	<2.7
Sellafield coastal area	Lobsters	8	240	3.1	<0.41	0.42	<0.45	<0.63	7700	<0.40	<2.4
Sellafield coastal area	Winkles ^d	4	150	14	<0.52	5.2	<1.1	<0.95	800	<0.60	59
Sellafield coastal area	Mussels ^d	4		7.8	<0.43	1.5	<1.1	<1.8		<0.88	31
Sellafield coastal area	Limpets ^d	4	88	8.6	<0.31	9.4	<0.37	<0.50	1300	<0.33	45
Sellafield coastal area	Whelks	1	190	5.9	<0.36	<0.090	<0.42	<0.76	130	<0.41	15
Sellafield offshore area	Whelks	2		2.8	<0.37		<0.36	<0.43		<0.29	4.4
Sellafield offshore area	Sea mouse ^e	1		79	<0.43		<0.33	<0.22		<0.16	31
St Bees	Winkles ^f	4	130	17	<0.20	8.4	<0.81	<1.1	350	<0.18	67
St Bees	Mussels	4		11	<0.26		<0.45	<0.73		<0.18	52
St Bees	Limpets	4		5.5	<0.33		<0.35	<0.42		<0.29	36
Nethertown	Winkles ^g	12	130	21	<0.43	7.3	<0.64	<0.86	490	<0.35	69
Nethertown	Mussels	4	180	15	<0.28		<0.74	<1.5	880	<0.17	70
Whitriggs	Shrimps	1		1.7	<0.51		<0.62	<0.56		<0.49	<2.3
Drigg	Winkles	4	160	32	<0.47		<0.46	<0.51	2100	<0.32	96
Ravenglass	Crabs	4		1.4	<0.27	0.96	<0.35	<0.47	28	<0.34	<1.5
Ravenglass	Lobsters	4		2.0	<0.27	0.25	<0.32	<0.42	3600	<0.30	<1.6
Ravenglass	Winkles	2		7.6	<0.23		<0.25	<0.31		<0.21	48
Ravenglass	Cockles	4	180	33	<0.43	2.3	<0.50	<0.75	68	<0.35	28
Ravenglass	Mussels	4		12	<0.32		<0.39	<0.52	990	<0.23	37
Tarn Bay	Winkles	2		9.5	<0.37		<0.53	<0.95		<0.57	47
Saltom Bay	Winkles	4		4.8	<0.31		<0.29	<0.30		<0.22	19
Whitehaven	Whelks	3	79	0.62	<0.26	<0.070	<0.28	<0.31		<0.24	<1.8
Whitehaven	<i>Nephtrops</i>	3	65	<0.11	<0.17	<0.15	<0.16	<0.14	590	<0.12	<0.64
Silloth	Mussels	4		0.63	<0.20		<0.24	<0.27		<0.23	5.1
Parton	Crabs	4		1.4	<0.23		<0.25	<0.29		<0.22	<1.5
Parton	Lobsters	4		0.42	<0.40		<0.44	<0.45		<0.37	<1.8
Parton	Winkles	4		6.4	<0.34		<0.33	<0.33		<0.25	30
Haverigg	Cockles	2		8.9	<0.22		<0.22	<0.20		<0.17	6.8
Milloom	Mussels	2		1.7	<0.24		<0.29	<0.49		<0.26	8.0
Roosebeck	Pacific oysters	2		0.42	<0.16		<0.13	<0.14		<0.11	<2.5
Morecambe Bay (Flookburgh)	Shrimps	4	77	<0.09	<0.22		<0.26	<0.29	11	<0.25	<0.83
Morecambe Bay (Morecambe)	Mussels	4	87	0.66	<0.13		<0.16	<0.18	250	<0.16	1.6