

Table S3. Concentrations of radionuclides in sediments collected in the waters off Miyagi, Fukushima, and Ibaraki Prefectures in Japan.

Stn.	Sampling Date	^{131}I (Bq/kg)	$^{129\text{m}}\text{Te}$ (Bq/kg)	^{129}Te (Bq/kg)	^{95}Nb (Bq/kg)	$^{110\text{m}}\text{Ag}$ (Bq/kg)	^{125}Sb (Bq/kg)	^{90}Sr (Bq/kg)	^{89}Sr (Bq/kg)
B1	11 May 2011	1.6 \pm 0.4	27 \pm 4.6	13 \pm 4.1				ND	
	25 May 2011		13 \pm 3.9						
B3	14 Sep 2011					1.5 \pm 0.17		0.36 \pm 0.037	
	18 Oct 2011					0.74 \pm 0.2		0.24 \pm 0.079	ND
	14 Dec 2011							0.22 \pm 0.065	ND
	17 Feb 2012							ND	ND
C1	11 May 2011	5.2 \pm 0.3	44 \pm 3.3	29 \pm 2.9	0.82 \pm 0.17			ND	
	25 May 2011	1.0 \pm 0.2	22 \pm 2.9	13 \pm 2.3					
	09 Jun 2011		11 \pm 2.7	8.7 \pm 2.3					
	30 Jul 2011					0.39 \pm 0.08			
C3	14 Sep 2011							0.12 \pm 0.036	
D1	10 May 2011	2.7 \pm 0.7	120 \pm 8.8	76 \pm 7.2	1.4 \pm 0.39			ND	
	24 May 2011		45 \pm 7						
	07 Jun 2011		63 \pm 6.5	43 \pm 5.6		0.82 \pm 0.22		ND	
	21 Jun 2011		55 \pm 4.6	46 \pm 4.1	0.81 \pm 0.22	0.87 \pm 0.15			
	06 Jul 2011		18 \pm 3.8	18 \pm 3.4		0.74 \pm 0.13		ND	
	30 Jul 2011		21 \pm 5.7						
	13 Sep 2011		18 \pm 4.6					0.32 \pm 0.036	
	13 Sep 2011								
	13 Sep 2011								
	13 Sep 2011		93 \pm 6.6	69 \pm 7.5	4.9 \pm 0.42	0.86 \pm 0.13			
	13 Sep 2011		100 \pm 10	66 \pm 10	1.6 \pm 0.44	0.93 \pm 0.16	10 \pm 0.79		
	19 Oct 2011					3.8 \pm 0.18			
	13 Dec 2011					1.2 \pm 0.17		0.13 \pm 0.032	
E1	21 Feb 2012					0.11 \pm 0.033		0.24 \pm 0.036	
	10 May 2011	4.3 \pm 0.4	190 \pm 5	120 \pm 3.3	0.89 \pm 0.15	0.81 \pm 0.13		0.11 \pm 0.034	
	24 May 2011		110 \pm 6	72 \pm 4.2		0.76 \pm 0.17			
	07 Jun 2011		140 \pm 7.3	99 \pm 5.4		1.3 \pm 0.2		ND	
	21 Jun 2011		30 \pm 2.9	15 \pm 1.9					
	06 Jul 2011		240 \pm 8.6	140 \pm 6.8		2.7 \pm 0.27		ND	ND
	29 Jul 2011		100 \pm 4.3	62 \pm 3.2		1.4 \pm 0.12			
	11 Sep 2011		73 \pm 6.6	48 \pm 3.8		2.7 \pm 0.19			
	22 Oct 2011		33 \pm 7.7	26 \pm 3.5		3.2 \pm 0.21		0.11 \pm 0.034	
	10 Dec 2011					2.6 \pm 0.21		0.12 \pm 0.034	
	13 Feb 2012					2.2 \pm 0.19		0.12 \pm 0.037	

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F1	09 May 2011	4.6 \pm 0.3	100 \pm 4.3	66 \pm 3.1	1.6 \pm 0.19	0.56 \pm 0.12 0.7 \pm 0.13 0.63 \pm 0.18 0.57 \pm 0.11 1.1 \pm 0.17 0.73 \pm 0.16 0.67 \pm 0.14 0.43 \pm 0.17 0.45 \pm 0.16	ND ND ND	3.6 \pm 0.58 0.16 \pm 0.034	
	23 May 2011	1.6 \pm 0.3	100 \pm 4.7	68 \pm 2.9	1 \pm 0.081				
	06 Jun 2011		95 \pm 4.7	67 \pm 3.2	0.82 \pm 0.076				
	20 Jun 2011		100 \pm 6	55 \pm 4.4	1.1 \pm 0.26				
	05 Jul 2011		59 \pm 3.6	44 \pm 2.7	0.62 \pm 0.061				
	29 Jul 2011		59 \pm 5.3	31 \pm 4.4					
	11 Sep 2011			20 \pm 3.1					
	23 Oct 2011			7.1 \pm 2.3					
	09 Dec 2011								
	12 Feb 2012								
F3	11 Sep 2011 13 Feb 2012					0.27 \pm 0.13 0.54 \pm 0.13	3.5 \pm 0.4		
G0	10 Sep 2011		41 \pm 7.2	29 \pm 4.2		1.5 \pm 0.2	3.9 \pm 0.69	0.2 \pm 0.035	
	23 Oct 2011					0.73 \pm 0.2		0.19 \pm 0.03	
	09 Dec 2011					1.1 \pm 0.17			
	11 Feb 2012					1.1 \pm 0.19			
G1	09 May 2011	6.1 \pm 0.3	38 \pm 3.2	23 \pm 2.2					
	23 May 2011	2.5 \pm 0.4	33 \pm 6	21 \pm 4					
	06 Jun 2011	1.5 \pm 0.4	47 \pm 5.4	30 \pm 4					
	20 Jun 2011		66 \pm 5.7	48 \pm 5.2					
	05 Jul 2011		22 \pm 5.4			0.35 \pm 0.14			
	28 Jul 2011		15 \pm 3.2			0.84 \pm 0.17			
	10 Sep 2011				9.6 \pm 2.9	0.91 \pm 0.16	2.4 \pm 0.57	ND	
	23 Oct 2011					0.63 \pm 0.18	2 \pm 0.53		
	09 Dec 2011								
	12 Feb 2012								
H1	13 May 2011	1.6 \pm 0.4	37 \pm 4.6	26 \pm 3.4					
	27 May 2011		140 \pm 6.5	84 \pm 4.2	1.3 \pm 0.26				
	10 Jun 2011		41 \pm 5.7	28 \pm 3.8				ND	
	25 Jun 2011		39 \pm 2.9	20 \pm 2.2					
	05 Jul 2011		28 \pm 4.5	22 \pm 3.5	1.2 \pm 0.25				
	25 Jul 2011		19 \pm 3.2	9.6 \pm 2.7					
	09 Sep 2011		22 \pm 4.9	8.5 \pm 2.3		0.41 \pm 0.15			
	23 Oct 2011					0.51 \pm 0.15			
	09 Feb 2012					0.5 \pm 0.15			
H3	09 Sep 2011			6.4 \pm 2.1		0.76 \pm 0.13			

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H3	24 Oct 2011					0.39 ± 0.12			
	07 Dec 2011					0.57 ± 0.13			
	10 Feb 2012					0.27 ± 0.13			
I0	09 Sep 2011		29 ± 4.7	16 ± 2.9		1.9 ± 0.16	4.7 ± 0.47	0.2 ± 0.031	
	25 Oct 2011					2.3 ± 0.21	3.5 ± 0.82	0.22 ± 0.032	
	07 Dec 2011					1.4 ± 0.21	4.3 ± 0.85		
	09 Feb 2012					1.4 ± 0.21	7.8 ± 0.82		
I1	13 May 2011	2.1 ± 0.2							
	27 May 2011	3.0 ± 0.3	51 ± 3.9	34 ± 3.2	2 ± 0.2		2.1 ± 0.66		
	09 Jun 2011		15 ± 3.4	11 ± 2.3				ND	
	23 Jun 2011								
	06 Jul 2011								
	28 Jul 2011								
	09 Sep 2011								
	25 Oct 2011							0.1 ± 0.032	
	07 Dec 2011							0.46 ± 0.039	
	09 Feb 2012							0.35 ± 0.039	
I3	09 Sep 2011					0.31 ± 0.12	0.8 ± 0.23		
J1	13 May 2011	5.2 ± 0.4	65 ± 5.2	43 ± 3.6	1.9 ± 0.24			ND	
	25 May 2011		25 ± 4	21 ± 2.9				ND	
	08 Jun 2011	1.3 ± 0.3	17 ± 4	19 ± 4				ND	
	06 Jul 2011		27 ± 4.4					ND	
	08 Sep 2011		55 ± 6.3	37 ± 4.4	0.69 ± 0.23				
	06 Dec 2011				2.5 ± 0.25	3.9 ± 0.19	11 ± 0.72	1.9 ± 0.11	
	06 Feb 2012							ND	
J2	08 Sep 2011					0.54 ± 0.097	1.2 ± 0.23		
	05 Feb 2012						1.7 ± 0.28		
J3	06 Dec 2011						1.3 ± 0.33		
K1	14 May 2011		6.6 ± 2						
	25 May 2011								
	07 Jun 2011		14 ± 4.3					ND	
	22 Jun 2011								
	07 Jul 2011								
	26 Jul 2011		14 ± 3.3	15 ± 3.1		0.65 ± 0.11		ND	

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L3	13 Oct 2011					4.9 ± 0.2			

All the radioactivities were corrected for decay on the basis of the sampling date.

ND: not detected