
Appendix 1

Water Quality Data from Reference Sites in British Columbia

Table A1.1. Relevant water quality data collected from reference sites used in the estimation of background cadmium concentrations in B.C. waters.

Region / Source / Station ID ¹	Date (d/m/y)	Cadmium (µg/L)		Hardness (mg CaCO ₃ /L)	TSS (mg/L)	Turbidity (NTU)
		Total	Dissolved			
<u>Vancouver Island</u>						
<i>BCMOE</i>						
1130022	1/3/2000	< 6	ND	15.1	ND	0.667
1130022	21/6/2000	< 6	ND	15.5	ND	ND
1130022	20/7/2000	< 6	ND	15.4	ND	ND
1130022	14/8/2000	< 6	ND	15.7	ND	ND
1130022	21/9/2000	6	ND	15.9	ND	ND
1130022	21/9/2000	< 6	ND	15.9	ND	ND
1130022	31/1/2001	< 6	ND	16.1	ND	ND
1130022	19/3/2001	< 6	ND	16.2	ND	0.92
1130022	20/3/2002	< 2	ND	16.7	ND	0.81
1130022	14/2/2003	< 2	ND	17.4	< 4	0.66
1130022	15/5/2003	0.045	ND	ND	ND	0.765
1130022	16/2/2004	< 0.01	ND	ND	ND	0.965
1130022	23/2/2005	< 0.01	ND	ND	9.33	1.1
1130022	15/2/2006	< 0.01	ND	ND	ND	0.767
1130022	26/2/2007	0.01	< 0.01	ND	ND	0.867
1130022	18/2/2010	< 0.005	ND	ND	ND	3.07
E216693	23/3/2006	0.01	ND	ND	ND	0.6
E216693	13/3/2007	< 0.01	ND	ND	ND	0.8
E216693	15/3/2007	< 0.01	< 0.01	ND	ND	0.8
E229564	6/8/2002	< 0.01	0.02	ND	ND	ND
E229564	12/8/2002	< 0.01	< 0.01	ND	ND	ND
E229564	20/8/2002	< 0.01	< 0.01	ND	ND	ND
E229564	26/8/2002	0.01	< 0.01	ND	ND	ND
E229564	3/9/2002	< 0.01	< 0.01	ND	< 1	ND
E229564	21/10/2002	< 0.01	< 0.01	ND	ND	ND
E229564	21/10/2002	< 0.01	< 0.01	ND	ND	ND
E229564	28/10/2002	< 0.01	< 0.01	ND	ND	ND
E229564	4/11/2002	< 0.01	< 0.01	ND	ND	ND
E229564	12/11/2002	< 0.01	ND	ND	ND	ND
E229564	19/11/2002	0.06	0.03	ND	ND	ND
E229564	5/8/2003	0.01	0.01	ND	< 1	ND
E229564	13/8/2003	0.1	0.09	ND	< 1	ND
E229564	20/8/2003	0.07	0.05	ND	< 1	ND
E229564	27/8/2003	0.02	0.01	ND	< 1	ND
E229564	3/9/2003	0.02	0.02	ND	< 1	ND
E229564	1/10/2003	0.01	0.01	ND	< 1	0.11
E229564	22/10/2003	< 0.01	< 0.01	ND	< 1	ND
E229564	22/10/2003	< 0.01	< 0.01	ND	< 1	ND
E229564	28/10/2003	0.04	0.04	ND	< 1	ND
E229564	4/11/2003	0.03	0.03	ND	ND	ND
E229564	12/11/2003	0.02	0.02	ND	< 1	ND
E229564	19/11/2003	0.02	0.02	ND	< 1	ND

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Region / Source / Station ID ¹	Date (d/m/y)	Cadmium (µg/L)		Hardness (mg CaCO ₃ /L)	TSS (mg/L)	Turbidity (NTU)
		Total	Dissolved			
<i>BCMOE (cont.)</i>						
E229564	18/8/2004	0.02	0.01	ND	< 1	ND
E229564	25/8/2004	0.03	0.03	ND	< 1	ND
E229564	1/9/2004	< 0.01	< 0.01	ND	< 1	ND
E229564	8/9/2004	0.02	0.02	ND	< 1	ND
E229564	14/9/2004	< 0.01	< 0.01	ND	< 1	ND
E229564	19/10/2004	0.04	0.04	ND	< 1	ND
E229564	26/10/2004	< 0.01	< 0.01	ND	ND	0.4
E229564	26/10/2004	< 0.01	< 0.01	ND	ND	ND
E229564	27/10/2004	< 0.01	< 0.01	ND	< 1	ND
E229564	8/12/2004	0.01	0.01	ND	< 1	0.21
E229564	13/9/2006	0.01	ND	ND	ND	0.2
E229564	5/8/2009	< 0.005	ND	16.7	< 1	0.3
E229564	26/8/2009	< 0.005	ND	ND	< 1	0.1
E229564	14/10/2009	< 0.005	< 0.005	14.7	< 1	0.4
E229565	6/7/2002	< 0.01	< 0.01	ND	< 1	ND
E229565	12/8/2002	< 0.01	< 0.01	ND	< 1	ND
E229565	27/8/2002	< 0.01	< 0.01	ND	< 1	ND
E229565	3/9/2002	< 0.01	< 0.01	ND	ND	ND
E229565	22/10/2002	0.01	0.01	ND	< 1	ND
E229565	29/10/2002	< 0.01	< 0.01	ND	< 1	ND
E229565	5/11/2002	< 0.01	< 0.01	ND	< 1	ND
E229565	13/11/2002	< 0.01	< 0.01	ND	1	ND
E229565	19/11/2002	< 0.01	< 0.01	ND	3	ND
E229565	12/8/2003	< 0.01	< 0.01	ND	< 1	ND
E229565	19/8/2003	0.02	0.01	ND	< 1	ND
E229565	26/8/2003	0.03	0.01	ND	< 1	ND
E229565	4/11/2003	< 0.01	0.01	ND	< 1	ND
E229565	12/11/2003	< 0.01	< 0.01	ND	< 1	ND
E229565	26/11/2003	< 0.01	< 0.01	ND	< 1	ND
E229565	1/9/2004	< 0.01	< 0.01	ND	< 1	0.72
E229565	15/9/2004	< 0.01	< 0.01	ND	< 1	ND
E229565	2/11/2004	< 0.01	< 0.01	ND	< 4	0.9
E229565	2/11/2004	< 0.01	< 0.01	ND	< 4	0.9
E229565	13/9/2006	< 0.01	ND	ND	ND	0.4
E229565	4/8/2009	< 0.005	< 0.005	7.5	< 1	0.4
E229565	13/8/2009	< 0.005	< 0.005	9	< 1	0.4
E229565	26/8/2009	< 0.005	ND	ND	< 1	0.7
E229565	7/10/2009	0.008	< 0.005	6.8	< 1	0.3
E229565	1/9/2010	< 0.005	ND	8	< 1	0.5
E229565	8/9/2011	< 0.005	ND	7.5	1	0.3
E230197	22/10/2001	< 0.01	ND	49.8	ND	ND
E230197	22/10/2001	< 0.01	ND	49.8	ND	0.25
E230197	31/10/2001	0.03	ND	39.6	ND	0.55
E230197	5/11/2001	< 0.01	ND	47.5	ND	0.19

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Region / Source / Station ID ¹	Date (d/m/y)	Cadmium (µg/L)		Hardness (mg CaCO ₃ /L)	TSS (mg/L)	Turbidity (NTU)
		Total	Dissolved			
<i>BCMOE (cont.)</i>						
E230197	14/11/2001	0.03	0.02	34	ND	0.95
E230197	20/11/2001	< 0.01	ND	29.7	ND	1.69
E230197	5/8/2002	< 0.01	< 0.01	ND	< 1	0.16
E230197	12/8/2002	0.08	0.01	ND	1	ND
E230197	19/8/2002	< 0.01	< 0.01	ND	< 1	ND
E230197	26/8/2002	< 0.01	< 0.01	ND	< 1	ND
E230197	3/9/2002	< 0.01	< 0.01	ND	< 1	ND
E230197	28/10/2002	0.01	< 0.01	ND	< 1	ND
E230197	4/11/2002	< 0.01	< 0.01	ND	< 1	ND
E230197	4/11/2002	< 0.01	< 0.01	ND	< 1	ND
E230197	4/11/2002	< 0.01	< 0.01	ND	< 1	ND
E230197	12/11/2002	< 0.01	< 0.01	ND	11	3.04
E230197	5/8/2003	0.02	ND	ND	< 1	0.17
E230197	28/8/2003	< 0.01	ND	ND	< 1	ND
E230197	3/9/2003	0.03	< 0.01	ND	< 1	ND
E230197	20/10/2003	< 0.01	< 0.01	ND	ND	ND
E230197	28/10/2003	0.01	0.01	ND	ND	ND
E230197	3/11/2003	< 0.01	< 0.01	ND	ND	ND
E230197	12/11/2003	< 0.01	< 0.01	ND	ND	ND
E230197	17/11/2003	< 0.01	< 0.01	ND	ND	ND
E230197	2/9/2004	0.06	ND	ND	< 1	0.22
E230197	16/9/2004	< 0.01	0.01	ND	< 1	ND
E230197	27/9/2004	0.07	0.05	ND	< 1	ND
E230197	18/10/2004	< 0.01	< 0.01	ND	< 1	ND
E230197	24/10/2004	< 0.01	< 0.01	ND	7	2.09
E230197	2/11/2004	< 0.01	< 0.01	ND	< 1	ND
E230197	9/11/2004	< 0.01	< 0.01	ND	< 1	ND
E230197	10/11/2004	0.03	0.03	ND	< 1	ND
E230197	15/8/2005	< 0.01	< 0.01	ND	ND	0.2
E230197	21/9/2006	< 0.01	ND	ND	ND	0.1
E230197	12/8/2009	0.052	0.058	66.2	< 1	0.2
E230197	1/9/2009	< 0.005	ND	74.6	< 1	< 0.1
E230197	28/10/2009	4.09	ND	44.3	< 1	0.2
E230718	9/7/2002	< 0.01	< 0.01	ND	< 1	0.11
E230718	14/8/2002	< 0.01	< 0.01	ND	< 1	ND
E230718	20/8/2002	< 0.01	< 0.01	ND	< 1	ND
E230718	26/8/2002	< 0.01	< 0.01	ND	< 1	ND
E230718	3/9/2002	< 0.01	< 0.01	ND	< 1	ND
E230718	10/9/2002	< 0.01	< 0.01	ND	2	ND
E230718	23/10/2002	< 0.01	< 0.01	ND	< 1	ND
E230718	29/10/2002	< 0.01	< 0.01	ND	< 1	ND
E230718	12/11/2002	< 0.01	< 0.01	ND	12	ND
E230718	12/8/2003	0.01	0.01	ND	< 1	ND
E230718	19/8/2003	< 0.01	< 0.01	ND	< 1	ND

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		Total	Dissolved			
<i>BCMOE (cont.)</i>						
E230718	26/8/2003	< 0.01	< 0.01	ND	< 1	ND
E230718	2/9/2003	< 0.01	< 0.01	ND	< 1	0.22
E230718	2/9/2003	< 0.01	< 0.01	ND	< 1	ND
E230718	22/10/2003	< 0.01	< 0.01	ND	6	ND
E230718	28/10/2003	< 0.01	< 0.01	ND	< 1	ND
E230718	4/11/2003	< 0.01	< 0.01	ND	ND	ND
E230718	12/11/2003	< 0.01	< 0.01	ND	< 1	ND
E230718	18/11/2003	< 0.01	< 0.01	ND	< 1	ND
E230718	16/8/2004	< 0.01	< 0.01	ND	< 1	ND
E230718	23/8/2004	< 0.01	< 0.01	ND	< 1	ND
E230718	30/8/2004	< 0.01	< 0.01	ND	< 1	ND
E230718	8/9/2004	< 0.01	< 0.01	ND	< 1	0.8
E230718	14/9/2004	0.02	0.01	ND	< 1	ND
E230718	22/9/2004	< 0.01	< 0.01	ND	< 1	ND
E230718	19/10/2004	< 0.01	< 0.01	ND	< 1	ND
E230718	25/10/2004	< 0.01	< 0.01	ND	< 1	ND
E230718	19/8/2008	< 0.005	ND	11.5	< 1	0.2
E230718	10/8/2009	0.026	0.021	11.4	1	1.4
E230718	15/9/2009	0.023	ND	9.3	< 1	0.5
E259498	1/6/2005	0.01	< 0.01	ND	< 4	0.633
E259498	11/8/2005	< 0.01	< 0.01	ND	ND	ND
E259498	13/10/2005	< 0.01	< 0.01	ND	ND	ND
E259498	14/3/2006	< 0.01	< 0.01	ND	ND	0.333
E259498	30/5/2006	< 0.01	ND	ND	ND	0.2
E259498	16/8/2006	< 0.01	ND	ND	ND	0.267
E259498	17/10/2006	0.017	ND	ND	ND	0.233
E259498	20/3/2007	< 0.01	< 0.01	ND	ND	0.367
E259498	21/6/2007	< 0.01	< 0.01	ND	ND	0.267
E259498	9/8/2007	< 0.01	< 0.01	ND	ND	0.233
E259498	23/10/2007	< 0.005	0.00567	ND	ND	0.433
E259498	19/3/2008	< 0.005	< 0.005	ND	ND	0.5
E282969	16/8/2010	ND	< 0.005	ND	< 1	ND
E282969	23/8/2010	ND	< 0.005	ND	< 1	ND
E282969	30/8/2010	ND	< 0.005	ND	< 1	ND
E282969	7/9/2010	ND	< 0.005	ND	< 1	ND
E282969	14/9/2010	< 0.005	< 0.005	ND	< 1	0.1
E282969	20/10/2010	< 0.005	< 0.005	ND	< 1	0.4
E282969	26/10/2010	ND	< 0.005	ND	< 1	ND
E282969	1/11/2010	0.013	< 0.005	ND	8	3.9
E282969	8/11/2010	ND	0.006	ND	< 1	ND
E282969	15/11/2010	ND	< 0.005	ND	< 1	ND

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		Total	Dissolved			
<i>Environment Canada</i>						
BC08HB0020	7/7/2006	0.003	ND	ND	ND	1.29
BC08HB0020	7/7/2006	0.003	ND	ND	ND	1.29
BC08HB0020	20/7/2006	0.002	ND	ND	ND	1.31
BC08HB0020	1/8/2006	0.001	ND	ND	ND	1.63
BC08HB0020	17/8/2006	0.001	ND	ND	ND	1.6
BC08HB0020	31/8/2006	0.001	ND	ND	ND	1.64
BC08HB0020	13/9/2006	0.003	ND	ND	ND	2.06
BC08HB0020	22/9/2006	0.005	ND	ND	ND	1.8
BC08HB0020	27/9/2006	0.002	ND	ND	ND	1.4
BC08HB0020	11/10/2006	0.002	ND	ND	ND	1
BC08HB0020	25/10/2006	0.005	ND	ND	ND	1.4
BC08HB0020	6/11/2006	0.006	ND	ND	ND	1.1
BC08HB0020	22/11/2006	0.001	ND	ND	ND	1.05
BC08HB0020	5/12/2006	0.004	ND	ND	ND	1.15
BC08HB0020	19/12/2006	0.012	ND	ND	ND	1.32
BC08HB0020	3/1/2007	0.012	ND	ND	ND	2.28
BC08HB0020	17/1/2007	0.003	ND	ND	ND	0.43
BC08HB0020	31/1/2007	0.002	ND	ND	ND	0.82
BC08HB0020	21/2/2007	0.001	ND	ND	ND	1.14
BC08HB0020	28/2/2007	0.001	ND	ND	ND	1.06
BC08HB0020	13/3/2007	0.002	ND	ND	ND	1.36
BC08HB0020	28/3/2007	0.001	ND	ND	ND	1.14
BC08HB0020	11/4/2007	0.002	ND	ND	ND	1.23
BC08HB0020	17/4/2007	0.001	ND	ND	ND	2.02
BC08HB0020	1/5/2007	0.003	ND	ND	ND	0.91
BC08HB0020	15/5/2007	0.002	ND	ND	ND	0.87
BC08HB0020	30/5/2007	0.001	ND	ND	ND	0.93
BC08HB0020	12/6/2007	0.001	ND	ND	ND	1.29
BC08HB0020	4/7/2007	0.003	ND	ND	ND	1.7
BC08HB0020	7/8/2007	0.001	ND	ND	ND	1.63
BC08HB0020	17/9/2007	0.002	ND	ND	ND	1.54
BC08HB0020	31/10/2007	0.002	ND	ND	ND	1.14
BC08HB0020	26/11/2007	0.002	ND	ND	ND	0.8
BC08HB0020	17/12/2007	0.004	ND	ND	ND	1.6
BC08HB0020	22/1/2008	0.001	ND	ND	ND	0.91
BC08HB0020	26/2/2008	0.002	ND	ND	ND	0.91
BC08HB0020	6/5/2008	0.002	ND	ND	ND	1.04
BC08HB0020	25/6/2008	0.002	ND	ND	ND	1.34
BC08HB0020	22/7/2008	0.001	ND	ND	ND	1.51
BC08HB0020	10/9/2008	0.001	ND	ND	ND	1.34
BC08HB0020	7/10/2008	0.005	ND	ND	ND	2.58
BC08HB0020	5/11/2008	0.027	ND	ND	ND	3.14
BC08HB0020	10/12/2008	0.001	ND	ND	ND	2.13
BC08HB0020	14/1/2009	0.001	ND	ND	ND	1.03

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Region / Source / Station ID ¹	Date (d/m/y)	Cadmium (µg/L)		Hardness (mg CaCO ₃ /L)	TSS (mg/L)	Turbidity (NTU)
		Total	Dissolved			
<i>Environment Canada (cont.)</i>						
BC08HB0020	18/2/2009	0.003	ND	ND	ND	0.65
BC08HB0020	22/4/2009	0.001	ND	ND	ND	1
BC08HB0020	26/5/2009	0.003	ND	ND	ND	6.28
BC08HB0020	12/8/2009	0.002	ND	ND	ND	1.77
BC08HB0020	1/9/2009	0.001	ND	ND	ND	4.18
BC08HB0020	20/10/2009	0.004	ND	ND	ND	1.23
BC08HB0020	17/11/2009	0.003	ND	ND	ND	2.05
BC08HB0020	2/12/2009	0.002	ND	ND	ND	1.42
BC08HB0020	6/1/2010	0.003	ND	ND	ND	1.61
BC08HB0020	24/3/2010	0.002	ND	ND	ND	0.86
BC08HB0020	28/4/2010	0.002	ND	ND	ND	1.65
BC08HB0020	2/6/2010	0.004	ND	ND	ND	4.01
BC08HB0020	30/6/2010	0.002	ND	ND	ND	1.23
BC08HB0020	28/7/2010	0.001	ND	ND	ND	1.46
BC08HB0020	25/8/2010	0.002	ND	ND	ND	1.57
BC08HB0020	14/9/2010	0.006	ND	ND	ND	2.58
BC08HB0020	24/11/2010	0.002	ND	ND	ND	2.14
BC08HB0020	15/12/2010	0.002	ND	ND	ND	1.34
BC08HB0020	2/2/2011	0.001	ND	ND	ND	0.85
BC08HB0020	9/3/2011	0.002	ND	ND	ND	1.61
BC08HB0020	6/4/2011	0.002	ND	ND	ND	1.09
BC08HB0020	18/5/2011	0.002	ND	ND	ND	2.1
BC08HB0020	22/6/2011	0.001	ND	ND	ND	1.19
BC08HB0020	27/7/2011	0.001	ND	ND	ND	2.51
BC08HB0020	25/10/2011	0.004	ND	ND	ND	1.06
BC08HB0020	21/12/2011	0.003	ND	ND	ND	1.71
<u>Lower Mainland</u>						
<i>BCMOE</i>						
0300019	9/11/1978	< 0.5	ND	ND	ND	ND
0300019	1/2/1979	< 0.5	ND	ND	ND	ND
0300019	12/6/1980	< 0.5	ND	ND	ND	ND
0300019	14/1/1981	< 0.5	ND	ND	ND	ND
0300019	10/6/1981	< 0.5	ND	ND	ND	ND
0300019	22/9/1981	< 0.5	ND	ND	ND	ND
0300019	1/12/1981	< 0.5	ND	ND	ND	ND
0300019	1/12/1982	< 10	ND	4.89	ND	ND
0300019	3/5/1984	< 10	ND	ND	ND	0.9
0300019	23/9/1990	< 10	ND	ND	ND	0.5
0300019	30/9/1990	< 10	ND	ND	ND	0.6
0300019	8/10/1990	< 10	ND	ND	ND	0.4
0300019	15/10/1990	< 10	ND	ND	ND	0.3
0300019	21/10/1990	< 10	ND	ND	ND	1

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Region / Source / Station ID ¹	Date (d/m/y)	Cadmium (µg/L)		Hardness (mg CaCO ₃ /L)	TSS (mg/L)	Turbidity (NTU)
		Total	Dissolved			
<i>BCMOE (cont.)</i>						
0300019	7/11/2002	< 0.01	ND	6.3	ND	0.44
0300019	5/12/2002	0.01	ND	4.6	ND	0.4
0300025	23/9/1990	< 10	ND	ND	ND	1.5
0300025	30/9/1990	< 10	ND	ND	ND	1
0300025	8/10/1990	< 10	ND	ND	ND	1
0300025	15/10/1990	< 10	ND	ND	ND	1
0300025	21/10/1990	< 10	ND	ND	ND	4
1189002	23/9/1990	< 10	ND	ND	ND	0.4
1189002	30/9/1990	< 10	ND	ND	ND	0.2
1189002	8/10/1990	< 10	ND	ND	ND	0.3
1189002	15/10/1990	< 10	ND	ND	ND	0.3
1189002	21/10/1990	< 10	ND	ND	ND	0.8
1189002	7/11/2002	0.06	ND	58.1	ND	7.31
1189002	5/12/2002	0.04	ND	6.66	ND	0.11
<i>CABIN</i>						
SKGT002	14/8/2007	< 6	< 0.01	53.8	< 5	0.1
SKGT002	12/8/2008	< 0.01	< 0.01	53	< 5	0.4
SKGT006	15/8/2007	< 6	< 0.01	53.3	< 5	0.3
SKGT009	16/8/2007	< 6	0.07	45.8	< 5	0.5
SKGT010	17/8/2007	< 6	< 0.01	57.6	< 5	0.4
SKGT011	17/8/2007	< 6	< 0.01	60.7	< 5	0.4
SKGT012	17/8/2007	< 6	< 0.01	14	< 5	1
SKGT013	17/8/2007	< 6	< 0.01	53.3	< 5	0.6
SKGT014	18/8/2007	< 6	< 0.01	57.4	< 5	0.7
SKGT015	18/8/2007	< 6	< 0.01	99.9	< 5	0.7
SKGT016	18/8/2007	< 6	< 0.01	54	< 5	0.4
SKGT017	18/8/2007	< 6	< 0.01	52.8	< 5	0.9
SKGT018	19/8/2007	< 6	< 0.01	30.8	< 5	0.4
SKGT019	19/8/2007	< 6	< 0.01	20.7	< 5	0.8
SKGT020	19/8/2007	< 6	< 0.01	24.4	< 5	0.8
SKGT021	19/8/2007	< 6	< 0.01	20.1	< 5	0.9
SKGT022	20/8/2007	< 6	< 0.01	8	< 5	0.3
SKGT023	20/8/2007	< 6	< 0.01	27.5	< 5	0.3
SKGT027	22/8/2007	< 6	< 0.01	54.3	< 5	0.8
SKGT035	17/8/2008	< 0.01	< 0.01	32.2	< 5	0.3
SKGT036	13/8/2008	< 0.01	< 0.01	41	< 5	0.25
SKGT050	15/8/2008	< 0.01	ND	31	< 5	0.3
SKGT058	16/8/2008	< 0.01	< 0.01	112	< 5	0.3
SKGT059	16/8/2008	< 0.01	< 0.01	5.8	< 5	0.56
SKGT060	16/8/2008	< 0.01	< 0.01	35.6	< 5	0.54
SKGT062	19/8/2008	0.04	ND	44.6	< 5	0.4
SKGT065	17/8/2008	< 0.01	< 0.01	4.6	< 5	0.2

Table A1.1. Relevant water quality data collected from reference sites used in the estimation of background cadmium concentrations in B.C. waters.

Region / Source / Station ID ¹	Date (d/m/y)	Cadmium (µg/L)		Hardness (mg CaCO ₃ /L)	TSS (mg/L)	Turbidity (NTU)
		Total	Dissolved			
<u>Thompson - Okanagan</u>						
<i>BCMOE</i>						
0600128	8/5/2002	< 0.01	ND	ND	ND	3.81
0600128	3/10/2002	< 0.01	ND	ND	ND	4.25
0603102	21/8/2007	< 2	ND	109	ND	ND
0603102	23/4/2008	< 0.01	ND	106	ND	ND
0603102	3/9/2008	0.0367	ND	105	ND	ND
0603102	18/11/2008	< 0.01	ND	107	ND	ND
0603102	16/2/2009	0.0667	ND	110	ND	ND
0603102	27/5/2009	< 0.01	ND	99.9	ND	ND
0603102	23/11/2009	< 0.01	ND	104	ND	ND
0910218	18/5/2000	0.01	ND	42	ND	1.9
0910218	6/12/2000	0.01	ND	61.3	ND	2.1
0910218	24/4/2001	0.01	ND	62.8	ND	6.41
0910218	22/10/2001	< 0.01	ND	65.9	ND	0.14
0910218	8/5/2002	< 0.01	ND	ND	ND	4.64
0910218	3/10/2002	< 0.01	ND	ND	ND	0.145
0910218	3/10/2002	< 0.01	ND	ND	ND	0.145
E207490	27/4/1999	< 0.006	ND	ND	ND	0.16
E207490	4/5/2000	< 0.01	ND	ND	ND	0.24
E207490	18/4/2001	0.09	ND	ND	ND	0.14
E209397	14/8/1990	< 10	ND	ND	ND	ND
E209398	31/5/2001	< 6	ND	ND	ND	0.14
E209399	23/5/1991	< 10	ND	ND	ND	ND
E221023	24/8/1994	< 2	ND	ND	ND	ND
E244074	12/1/2010	0.042	ND	22.1	ND	0.2
E244074	16/2/2010	0.045	ND	23.1	ND	0.2
E244074	15/3/2010	0.418	ND	25	ND	1
E244074	14/4/2010	1.69	ND	28.3	ND	0.3
E244074	12/5/2010	0.12	ND	25.1	ND	0.5
E244074	15/6/2010	0.063	ND	22.8	ND	ND
E244074	13/7/2010	0.088	ND	26.6	ND	0.2
E244074	14/9/2010	0.058	ND	28.3	ND	< 0.1
E244074	6/10/2010	0.183	ND	26.8	ND	ND
E244074	9/11/2010	0.043	ND	25.8	ND	ND
E244074	10/12/2010	0.018	ND	26	ND	ND
E244074	11/1/2011	0.069	ND	26.4	ND	ND
E244074	8/2/2011	0.032	ND	27.6	ND	ND
E244074	15/3/2011	0.215	ND	27.1	ND	ND
E244074	15/3/2011	0.098	ND	26.2	ND	ND
E244074	19/4/2011	0.174	ND	26.3	ND	ND
E244074	19/4/2011	0.197	ND	26.2	ND	ND
E244074	18/5/2011	0.119	ND	24.3	ND	ND
E244074	15/6/2011	0.056	ND	17.7	ND	ND

Table A1.1. Relevant water quality data collected from reference sites used in the estimation of background cadmium concentrations in B.C. waters.

Region / Source / Station ID ¹	Date (d/m/y)	Cadmium (µg/L)		Hardness (mg CaCO ₃ /L)	TSS (mg/L)	Turbidity (NTU)
		Total	Dissolved			
<i>BCMOE (cont.)</i>						
E244074	19/7/2011	0.095	ND	24.5	ND	ND
E244074	16/8/2011	0.041	ND	25.7	ND	ND
E244074	13/9/2011	0.232	ND	23.6	ND	ND
E244074	6/10/2011	0.04	ND	25.5	ND	ND
E244074	21/11/2011	0.03	ND	28.6	ND	ND
E244074	19/12/2011	0.021	ND	21.2	ND	ND
E244074	17/1/2012	0.023	ND	24.3	ND	ND
E244074	14/2/2012	0.013	ND	23.2	ND	ND
E244074	20/3/2012	0.018	ND	23.6	ND	ND
E244074	16/4/2012	0.0337	ND	25.4	ND	ND
E244074	16/5/2012	0.0683	ND	16.3	ND	ND
E244074	18/6/2012	0.0778	ND	21.7	ND	ND
E244074	24/7/2012	0.094	ND	24.2	ND	ND
E244074	14/8/2012	0.043	ND	29.1	ND	ND
E244074	18/9/2012	0.038	ND	23.8	ND	ND
E244074	16/10/2012	0.049	ND	24.3	ND	ND
E244074	16/10/2012	0.052	ND	24.3	ND	ND
E244079	12/5/2010	0.037	ND	28.4	ND	0.5
E244079	15/6/2010	0.117	ND	17.1	ND	ND
E244079	13/7/2010	0.033	ND	26.9	ND	0.3
E244079	10/8/2010	0.029	ND	35.1	ND	ND
E244079	14/9/2010	0.038	ND	35.8	ND	< 0.1
E244079	5/10/2010	0.047	ND	39	ND	ND
E244079	18/5/2011	0.098	ND	23.4	ND	ND
E244079	15/6/2011	0.043	ND	16	ND	ND
E244079	19/7/2011	0.048	ND	22.3	ND	ND
E244079	16/8/2011	0.036	ND	36	ND	ND
E244079	13/9/2011	0.035	ND	41	ND	ND
E244079	17/10/2011	0.04	ND	33.9	ND	ND
E244079	16/5/2012	0.0655	ND	16.3	ND	ND
E244079	18/6/2012	0.0442	ND	16	ND	ND
E244079	24/7/2012	0.066	ND	23.4	ND	ND
E244079	14/8/2012	0.02	ND	35.4	ND	ND
E244079	18/9/2012	0.025	ND	38.6	ND	ND
E244079	15/10/2012	0.029	ND	36.9	ND	ND
E282211	15/6/2010	< 0.005	ND	17.5	ND	ND
E282989	10/8/2010	0.009	ND	16.6	ND	< 0.1
E282990	10/8/2010	0.02	ND	28.4	ND	0.1
E282990	10/8/2010	0.01	ND	28.4	ND	0.1
<i>CABIN</i>						
ASH02	14/9/2009	< 0.005	ND	24.6	ND	0.3
DUT01	11/9/2008	0.006	ND	15.4	ND	1.1
E216788	18/10/2007	0.038	ND	ND	< 1	0.4

Table A1.1. Relevant water quality data collected from reference sites used in the estimation of background cadmium concentrations in B.C. waters.

Region / Source / Station ID ¹	Date (d/m/y)	Cadmium (µg/L)		Hardness (mg CaCO ₃ /L)	TSS (mg/L)	Turbidity (NTU)
		Total	Dissolved			
<i>CABIN (cont.)</i>						
E216788	18/10/2007	0.028	ND	ND	< 1	0.4
E216788	21/9/2009	0.02	ND	ND	< 1	0.1
E268405	17/9/2007	0.01	ND	ND	< 1	0.2
E268405	24/9/2009	0.01	ND	ND	< 1	0.2
E268406	19/9/2007	0.02	ND	ND	< 1	0.2
E268407	19/9/2007	0.01	ND	ND	1	0.3
E268409	3/10/2007	< 0.01	ND	ND	< 4	0.2
E268410	3/10/2007	< 0.01	ND	ND	< 4	0.2
E268411	21/9/2009	0.01	ND	ND	< 1	0.1
E268411	25/11/2011	0.009	ND	ND	< 1	< 0.1
E268412	1/10/2007	0.01	ND	ND	1	0.3
E273523	22/9/2008	0.011	ND	ND	< 1	0.2
E273524	22/9/2008	0.007	ND	ND	< 1	0.2
E273525	22/9/2008	< 0.005	ND	ND	< 1	0.8
E273526	23/9/2008	< 0.005	ND	ND	< 1	0.1
E273527	23/9/2008	0.007	ND	ND	< 1	0.2
E273528	23/9/2008	< 0.005	ND	ND	< 1	0.1
E273529	30/9/2008	< 0.005	ND	ND	< 1	0.4
E273533	24/9/2008	0.009	ND	ND	2	0.3
E273535	30/9/2008	< 0.005	ND	ND	2	0.8
E277330	24/9/2009	0.015	ND	ND	33	15
E277331	14/9/2009	< 0.005	ND	ND	< 3	0.9
E277331	13/10/2011	0.006	ND	ND	< 1	0.4
E277332	14/9/2009	< 0.005	ND	ND	< 1	0.8
E283189	10/10/2012	< 0.005	ND	ND	< 1	< 0.1
E283190	10/10/2012	< 0.005	ND	ND	< 1	< 0.1
EQU01	28/9/2011	0.018	ND	227	ND	0.2
FOR01	26/9/2011	0.034	ND	107	ND	0
INK01	29/9/2009	0.007	ND	63.7	ND	0.5
KNGF01	26/9/2011	0.014	ND	56.2	ND	0
PEA01	26/8/2009	0.009	ND	54.7	ND	1.4
SHUS01	27/9/2011	0.005	ND	24.6	ND	0.4
SITK01	27/8/2008	0.082	ND	62.2	ND	0.5
SKGT003	15/8/2007	< 6	< 0.01	67.1	< 5	0.6
SKGT004	15/8/2007	< 6	0.01	44.1	< 5	0.5
SKGT005	15/8/2007	< 6	0.01	83.6	< 5	0.4
SKGT007	16/8/2007	< 6	< 0.01	16.3	< 5	0.7
SKGT008	16/8/2007	< 6	< 0.01	94.6	< 5	0.6
SKGT025	21/8/2007	< 6	< 0.01	78.1	< 5	0.4
SKGT026	21/8/2007	< 6	< 0.01	47.4	< 5	0.7
SKGT028	22/8/2007	< 6	< 0.01	55.5	< 5	0.6
SKGT029	14/8/2008	< 0.01	< 0.01	48.4	< 5	0.175
SKGT030	23/8/2007	< 6	< 0.01	55.7	< 5	0.5
SKGT037	18/8/2008	0.01	0.02	118	< 5	0.35

Table A1.1. Relevant water quality data collected from reference sites used in the estimation of background cadmium concentrations in B.C. waters.

Region / Source / Station ID ¹	Date (d/m/y)	Cadmium (µg/L)		Hardness (mg CaCO ₃ /L)	TSS (mg/L)	Turbidity (NTU)
		Total	Dissolved			
<i>CABIN (cont.)</i>						
SKGT038	18/8/2008	< 0.01	< 0.01	184	< 5	0.17
SKGT039	13/8/2008	0.01	0.02	128	< 5	0.2
SKGT040	13/8/2008	< 0.01	< 0.01	70.9	< 5	0.3
SKGT042	15/8/2008	< 0.01	< 0.01	152	< 5	0.28
SKGT044	13/8/2008	< 0.01	< 0.01	53.5	< 5	0.4
SKGT052	16/8/2008	< 0.01	< 0.01	40.6	< 5	0.3
SKGT053	16/8/2008	< 0.01	0.03	92.1	< 5	0.1
SKGT054	16/8/2008	< 0.01	< 0.01	102	< 5	0.9
SKGT055	14/8/2008	< 0.01	< 0.01	60	< 5	0.3
SKGT056	14/8/2008	< 0.01	< 0.01	58.1	< 5	0.46
SKGT057	14/8/2008	< 0.01	< 0.01	53.2	< 5	0.4
SPEC01	27/8/2008	0.018	ND	32.8	ND	0.4
WHI02	28/9/2011	0.019	ND	178	ND	0
WHI04	28/9/2011	0.014	ND	18.3	ND	0.8
<u>Kootenav</u>						
<i>CABIN</i>						
E268382	18/9/2007	0.01	ND	133	< 4	ND
E268382	28/9/2010	0.019	ND	122	< 4	ND
E268383	18/9/2007	0.01	ND	117	< 4	ND
E268383	30/9/2008	0.011	ND	120	< 4	ND
E268383	30/9/2009	0.01	ND	123	4	ND
E268383	27/9/2011	0.012	ND	106	< 4	ND
E268384	18/9/2007	0.01	ND	170	< 4	ND
E268385	18/9/2007	< 0.01	ND	182	< 4	ND
E268386	25/9/2007	< 0.01	ND	154	< 4	ND
E268387	25/9/2007	< 0.01	ND	144	< 4	ND
E268387	29/9/2010	0.008	ND	132	< 4	ND
E268388	25/9/2007	< 0.01	ND	220	< 4	ND
E268389	25/9/2007	< 0.01	ND	152	< 4	ND
E268390	26/9/2007	0.01	ND	141	< 4	ND
E268391	26/9/2007	< 0.01	ND	100	< 4	ND
E268391	30/9/2008	0.01	ND	87.2	< 4	ND
E268391	29/9/2009	0.062	ND	98.6	< 4	ND
E268392	19/9/2007	< 0.01	ND	66.9	< 4	ND
E268393	19/9/2007	0.025	ND	82.1	< 4	ND
E268393	19/9/2007	< 0.01	ND	94.5	< 4	ND
E268394	19/9/2007	0.01	ND	142	< 4	ND
E268395	19/9/2007	< 0.01	ND	126	< 4	ND
E268396	19/9/2007	< 0.01	ND	137	< 4	ND
E268397	19/9/2007	0.02	ND	226	< 4	ND
E273484	23/9/2008	0.005	ND	22.1	< 4	ND
E273485	23/9/2008	< 0.005	ND	132	< 4	ND

Table A1.1. Relevant water quality data collected from reference sites used in the estimation of background cadmium concentrations in B.C. waters.

Region / Source / Station ID ¹	Date (d/m/y)	Cadmium (µg/L)		Hardness (mg CaCO ₃ /L)	TSS (mg/L)	Turbidity (NTU)
		Total	Dissolved			
<i>CABIN (cont.)</i>						
E273492	22/9/2008	< 0.005	ND	287	< 4	ND
E273493	22/9/2008	< 0.005	ND	219	< 4	ND
E273494	29/9/2008	< 0.005	ND	104	< 4	ND
E283409	5/10/2010	0.013	ND	45.6	< 4	ND
E283410	5/10/2010	0.012	ND	76.5	< 4	ND
E283411	5/10/2010	0.018	ND	90	< 4	ND
E283412	6/10/2010	< 0.005	ND	35.6	6	ND
E283413	6/10/2010	< 0.005	ND	33.5	< 4	ND
E286949	28/9/2011	0.01	ND	27.9	< 4	ND
E286950	28/9/2011	< 0.005	ND	97.9	< 4	ND
E286951	26/9/2011	0.017	ND	47.6	< 4	ND
E286952	26/9/2011	0.005	ND	11	< 4	ND
E286953	29/9/2011	< 0.005	ND	109	< 4	ND
<i>Environment Canada</i>						
0200047	15/8/1984	< 1	ND	140	ND	0.47
0200047	27/9/1984	< 1	ND	144	ND	0.25
0200047	4/12/1984	< 1	ND	161	ND	0.3
0200047	11/1/1985	< 1	ND	149	ND	0.24
0200047	14/2/1985	< 1	ND	152	ND	0.27
0200047	19/3/1985	< 1	ND	145	ND	0.88
0200047	25/3/1985	< 1	ND	149	ND	0.41
0200047	16/4/1985	< 1	ND	109	ND	8
0200047	8/5/1985	< 1	ND	104	ND	1.8
0200047	21/5/1985	< 1	ND	86.3	ND	52
0200047	28/5/1985	< 1	ND	86.5	ND	8.7
0200047	4/6/1985	< 1	ND	93.4	ND	3.2
0200047	8/6/1985	< 1	ND	94	ND	34
0200047	11/6/1985	< 1	ND	94.8	ND	3.3
0200047	18/6/1985	< 1	ND	103	ND	1.55
0200047	25/6/1985	1	ND	112	ND	1.4
0200047	2/7/1985	< 1	ND	119	ND	1
0200047	9/7/1985	< 1	ND	126	ND	0.24
0200047	16/7/1985	< 1	ND	132	ND	0.4
0200047	13/8/1985	< 1	ND	143	ND	0.34
0200047	20/8/1985	< 1	ND	144	ND	0.44
0200047	27/8/1985	< 1	ND	146	ND	0.45
0200047	3/9/1985	< 1	ND	148	ND	0.53
0200047	10/9/1985	< 1	ND	143	ND	0.29
0200047	17/9/1985	< 1	ND	129	ND	1.4
0200047	24/9/1985	< 1	ND	129	ND	0.55
0200047	1/10/1985	< 1	ND	133	ND	0.49
0200047	8/10/1985	< 1	ND	137	ND	0.59
0200047	15/10/1985	< 1	ND	137	ND	0.82

Table A1.1. Relevant water quality data collected from reference sites used in the estimation of background cadmium concentrations in B.C. waters.

Region / Source / Station ID ¹	Date (d/m/y)	Cadmium (µg/L)		Hardness (mg CaCO ₃ /L)	TSS (mg/L)	Turbidity (NTU)
		Total	Dissolved			
<i>Environment Canada (cont.)</i>						
0200047	21/10/1985	< 1	ND	120	ND	1.9
0200047	28/10/1985	< 1	ND	104	ND	3.8
0200047	5/11/1985	< 1	ND	107	ND	3
0200047	12/11/1985	< 1	ND	124	ND	0.51
0200047	19/11/1985	< 1	ND	133	ND	0.29
0200047	26/11/1985	< 1	ND	130	ND	0.22
0200047	3/12/1985	< 1	ND	140	ND	0.24
0200047	10/12/1985	< 1	ND	140	ND	0.22
0200047	17/12/1985	< 1	ND	138	ND	0.27
0200047	24/12/1985	< 1	ND	145	ND	0.16
0200047	31/12/1985	< 1	ND	144	ND	0.15
0200047	21/1/1991	0.1	ND	149	ND	0.2
0200047	26/1/1991	0.1	ND	149	ND	0.2
0200047	6/2/1991	0.1	ND	135	ND	0.3
0200047	12/2/1991	0.1	ND	145	ND	0.4
0200047	18/2/1991	0.1	ND	145	ND	0.2
0200047	25/2/1991	0.1	ND	142	ND	< 0.1
0200047	6/3/1991	< 0.1	ND	137	ND	0.1
0200047	12/3/1991	< 0.1	ND	144	ND	0.1
0200047	18/3/1991	0.1	ND	145	ND	0.1
0200047	25/3/1991	0.1	ND	142	ND	0.1
0200047	5/4/1991	0.1	ND	125	ND	18
0200047	8/4/1991	< 0.1	ND	130	ND	0.2
0200047	10/4/1991	0.1	ND	108	ND	0.3
0200047	26/4/1991	0.1	ND	113	ND	5.5
0200047	30/4/1991	0.1	ND	118	ND	0.3
0200047	12/5/1991	0.6	ND	103	ND	71
0200047	28/5/1991	0.2	ND	92.9	ND	0.3
0200047	7/6/1991	0.2	ND	88.6	ND	0.4
0200047	14/6/1991	0.1	ND	89.2	ND	0.3
0200047	18/6/1991	0.1	ND	93.8	ND	0.2
0200047	25/6/1991	0.1	ND	88.7	ND	0.3
0200047	15/8/1991	< 0.1	ND	0.8	ND	< 0.1
0200047	15/8/1991	< 0.1	ND	132	ND	0.2
0200047	27/1/1992	< 0.1	ND	143	ND	0.35
0200047	10/2/1992	< 0.1	ND	153	ND	1.6
0200047	24/2/1992	< 0.1	ND	144	ND	0.25
0200047	9/3/1992	< 0.1	ND	157	ND	0.3
0200047	19/5/1992	0.1	ND	84.4	ND	8.8
0200047	9/6/1992	< 0.1	ND	112	ND	1.4
0200047	22/6/1992	< 0.1	ND	124	ND	1.2
0200047	6/7/1992	< 0.1	ND	122	ND	0.4
0200047	30/8/1992	< 0.1	ND	148	ND	0.15
0200047	15/9/1992	< 0.1	ND	143	ND	0.27

Table A1.1. Relevant water quality data collected from reference sites used in the estimation of background cadmium concentrations in B.C. waters.

Region / Source / Station ID ¹	Date (d/m/y)	Cadmium (µg/L)		Hardness (mg CaCO ₃ /L)	TSS (mg/L)	Turbidity (NTU)
		Total	Dissolved			
<i>Environment Canada (cont.)</i>						
0200047	6/10/1992	< 0.1	ND	143	ND	0.18
0200047	20/10/1992	< 0.1	ND	146	ND	0.28
0200047	2/11/1992	< 0.1	ND	150	ND	0.3
0200047	19/11/1992	< 0.1	ND	146	ND	0.14
0200047	19/11/1992	< 0.1	ND	145	ND	0.25
0200047	19/11/1992	< 0.1	ND	< 0.4	ND	0.28
0200047	1/12/1992	< 0.1	ND	145	ND	0.12
0200047	14/12/1992	< 0.1	ND	143	ND	0.14
0200047	11/1/1993	< 0.1	ND	138	ND	0.2
0200047	24/1/1993	< 0.1	ND	144	ND	0.3
0200047	7/2/1993	< 0.1	ND	141	ND	0.24
0200047	20/2/1993	< 0.1	ND	152	ND	0.2
0200047	11/3/1993	< 0.1	ND	150	ND	0.31
0200047	22/3/1993	< 0.1	ND	146	ND	0.24
0200047	27/3/1993	0.1	ND	128	ND	2.2
0200047	4/4/1993	0.5	ND	144	ND	3.4
0200047	18/4/1993	< 0.1	ND	132	ND	1.8
0200047	3/5/1993	0.1	ND	120	ND	6.3
0200047	16/5/1993	0.2	ND	85.5	ND	33
0200047	31/5/1993	0.1	ND	99.9	ND	5.2
0200047	14/6/1993	< 0.1	ND	101	ND	4.5
0200047	27/6/1993	< 0.1	ND	108	ND	2
0200047	13/7/1993	0.1	ND	110	ND	14
0200047	10/8/1993	< 0.1	ND	140	ND	0.7
0200047	24/8/1993	< 0.1	ND	150	ND	2
0200047	6/9/1993	< 0.1	ND	153	ND	0.6
0200047	21/9/1993	< 0.1	ND	152	ND	0.43
0200047	5/10/1993	< 0.1	ND	147	ND	0.45
0200047	18/10/1993	< 0.1	ND	142	ND	0.29
0200047	2/11/1993	< 0.1	ND	139	ND	0.15
0200047	30/11/1993	< 0.1	ND	152	ND	0.32
0200047	14/12/1993	< 0.1	ND	159	ND	0.41
0200047	28/12/1993	< 0.1	ND	163	ND	0.33
0200047	11/1/1994	< 0.1	ND	157	ND	0.19
0200047	25/1/1994	< 0.1	ND	151	ND	0.76
0200047	7/2/1994	< 0.1	ND	161	ND	0.62
0200047	12/2/1994	< 0.1	ND	159	ND	0.8
0200047	21/2/1994	< 0.1	ND	147	ND	0.42
0200047	8/3/1994	< 0.1	ND	145	ND	1.1
0200047	22/3/1994	< 0.1	ND	157	ND	0.27
0200047	3/5/1994	< 0.1	ND	120	ND	2.7
0200047	17/5/1994	< 0.1	ND	101	ND	10
0200047	31/5/1994	< 0.1	ND	107	ND	5.2
0200047	13/6/1994	0.1	ND	101	ND	5.4

Table A1.1. Relevant water quality data collected from reference sites used in the estimation of background cadmium concentrations in B.C. waters.

Region / Source / Station ID ¹	Date (d/m/y)	Cadmium (µg/L)		Hardness (mg CaCO ₃ /L)	TSS (mg/L)	Turbidity (NTU)
		Total	Dissolved			
<i>Environment Canada (cont.)</i>						
0200047	28/6/1994	< 0.1	ND	123	ND	2.1
0200047	12/7/1994	< 0.1	ND	138	ND	0.7
0200047	26/7/1994	< 0.1	ND	146	ND	0.3
0200047	9/8/1994	< 0.1	ND	152	ND	0.28
0200047	22/8/1994	< 0.1	ND	151	ND	0.22
0200047	6/9/1994	< 0.1	ND	159	ND	0.4
0200047	20/9/1994	< 0.1	ND	159	ND	0.36
0200047	4/10/1994	< 0.1	ND	163	ND	0.5
0200047	18/10/1994	< 0.1	ND	161	ND	0.7
0200047	31/10/1994	< 0.1	ND	158	ND	0.2
0200047	14/11/1994	< 0.1	ND	160	ND	0.35
0200047	12/12/1994	0.1	ND	159	ND	0.25
0200047	16/1/1995	< 0.1	ND	157	ND	0.27
0200047	7/2/1995	< 0.1	ND	156	ND	0.55
0200047	20/2/1995	< 0.1	ND	140	ND	1.4
0200047	3/3/1995	0.4	ND	148	ND	0.6
0200047	6/3/1995	< 0.1	ND	143	ND	0.3
0200047	20/3/1995	< 0.1	ND	146	ND	1.5
0200047	18/4/1995	< 0.1	ND	148	ND	0.89
0200047	2/5/1995	< 0.1	ND	140	ND	4
0200047	14/1/2003	< 0.1	ND	ND	ND	0.42
0200047	16/4/2003	0.018	ND	ND	ND	4.02
0200047	16/6/2003	0.024	ND	ND	ND	6.29
0200047	13/7/2003	0.007	0.006	ND	ND	0.48
0200047	10/8/2003	0.009	ND	ND	ND	0.28
0200047	14/9/2003	0.011	ND	ND	ND	0.23
0200047	5/10/2003	0.037	ND	ND	ND	ND
0200047	5/10/2003	0.013	ND	ND	ND	ND
0200047	5/10/2003	0.004	ND	ND	ND	ND
0200047	26/10/2003	0.005	ND	ND	ND	0.71
0200047	9/12/2003	0.004	0.009	ND	ND	0.28
0200047	14/1/2004	0.007	ND	ND	ND	0.43
0200047	18/2/2004	0.014	ND	149	ND	0.1
0200047	23/3/2004	0.009	ND	153	ND	2
0200047	30/5/2004	0.019	ND	96	ND	6.58
0200047	20/6/2004	0.01	0.003	112	ND	3.08
0200047	25/7/2004	0.006	ND	133	ND	0.49
0200047	22/8/2004	0.011	ND	147	ND	1.85
0200047	19/9/2004	0.024	ND	102	ND	13.9
0200047	18/10/2004	0.01	ND	145	ND	0.57
BC08NA0033	26/3/2003	0.011	ND	ND	ND	0.19
BC08NA0033	8/4/2003	0.009	ND	ND	ND	0.16
BC08NA0033	23/4/2003	0.003	ND	ND	ND	2.36
BC08NA0033	5/5/2003	0.002	ND	ND	ND	1.14

Table A1.1. Relevant water quality data collected from reference sites used in the estimation of background cadmium concentrations in B.C. waters.

Region / Source / Station ID ¹	Date (d/m/y)	Cadmium (µg/L)		Hardness (mg CaCO ₃ /L)	TSS (mg/L)	Turbidity (NTU)
		Total	Dissolved			
<i>Environment Canada (cont.)</i>						
BC08NA0033	21/5/2003	0.008	ND	ND	ND	1.05
BC08NA0033	2/6/2003	0.035	ND	ND	ND	27.6
BC08NA0033	16/6/2003	0.006	ND	ND	ND	19.5
BC08NA0033	1/7/2003	0.012	ND	ND	ND	88
BC08NA0033	14/7/2003	0.011	ND	ND	ND	136
BC08NA0033	28/7/2003	0.008	ND	ND	ND	117
BC08NA0033	12/8/2003	0.012	ND	ND	ND	252
BC08NA0033	25/8/2003	0.009	ND	ND	ND	118
BC08NA0033	8/9/2003	0.016	ND	ND	ND	153
BC08NA0033	22/9/2003	0.008	ND	ND	ND	0.17
BC08NA0033	6/10/2003	0.015	ND	ND	ND	0.05
BC08NA0033	20/10/2003	0.021	ND	ND	ND	4.84
BC08NA0033	3/11/2003	0.019	ND	ND	ND	1.71
BC08NA0033	1/12/2003	0.033	ND	ND	ND	1.11
BC08NA0033	15/12/2003	0.022	ND	ND	ND	0.9
BC08NA0033	29/12/2003	0.016	ND	ND	ND	0.31
BC08NA0033	12/1/2004	0.01	ND	ND	ND	0.61
BC08NA0033	26/1/2004	0.009	ND	ND	ND	0.65
BC08NA0033	9/2/2004	0.009	ND	ND	ND	0.28
BC08NA0033	23/2/2004	0.008	ND	ND	ND	0.2
BC08NA0033	8/3/2004	0.007	ND	ND	ND	0.17
BC08NA0033	22/3/2004	0.01	ND	ND	ND	0.2
BC08NA0033	6/4/2004	0.006	ND	ND	ND	0.48
BC08NA0033	19/4/2004	0.006	ND	ND	ND	0.56
BC08NA0033	3/5/2004	0.008	ND	ND	ND	8.72
BC08NA0033	17/5/2004	0.005	ND	ND	ND	11.4
BC08NA0033	2/6/2004	0.001	ND	ND	ND	1.72
BC08NA0033	7/6/2004	0.008	ND	ND	ND	22.6
BC08NA0033	7/6/2004	0.014	ND	ND	ND	24.4
BC08NA0033	14/6/2004	0.007	ND	ND	ND	12.6
BC08NA0033	28/6/2004	0.009	ND	ND	ND	118
BC08NA0033	12/7/2004	0.006	ND	ND	ND	27.5
BC08NA0033	27/7/2004	0.006	ND	ND	ND	51.4
BC08NA0033	23/8/2004	< 0.001	ND	ND	ND	8.77
BC08NA0033	8/9/2004	0.004	ND	ND	ND	4.17
BC08NA0033	20/9/2004	0.003	ND	ND	ND	2.72
BC08NA0033	5/10/2004	0.004	ND	ND	ND	2.34
BC08NA0033	18/10/2004	< 0.001	ND	ND	ND	5.23
BC08NA0033	1/11/2004	0.002	ND	ND	ND	1.64
BC08NA0033	16/11/2004	0.011	ND	ND	ND	0.41
BC08NA0033	6/12/2004	0.004	ND	ND	ND	0.35
BC08NA0033	13/12/2004	0.007	ND	ND	ND	0.32
BC08NA0033	29/12/2004	0.004	ND	ND	ND	0.29
BC08NA0033	10/1/2005	0.01	ND	ND	ND	0.47

Table A1.1. Relevant water quality data collected from reference sites used in the estimation of background cadmium concentrations in B.C. waters.

Region / Source / Station ID ¹	Date (d/m/y)	Cadmium (µg/L)		Hardness (mg CaCO ₃ /L)	TSS (mg/L)	Turbidity (NTU)
		Total	Dissolved			
<i>Environment Canada (cont.)</i>						
BC08NA0033	24/1/2005	< 0.001	ND	ND	ND	2.41
BC08NA0033	7/2/2005	0.01	ND	ND	ND	0.5
BC08NA0033	21/2/2005	0.007	ND	ND	ND	0.25
BC08NA0033	7/3/2005	0.008	ND	ND	ND	0.25
BC08NA0033	21/3/2005	0.007	ND	ND	ND	0.25
BC08NA0033	5/4/2005	0.005	ND	ND	ND	0.13
BC08NA0033	19/4/2005	0.009	ND	ND	ND	0.28
BC08NA0033	3/5/2005	0.019	ND	ND	ND	1.85
BC08NA0033	16/5/2005	0.008	ND	ND	ND	19.3
BC08NA0033	30/5/2005	0.006	ND	ND	ND	21.4
BC08NA0033	13/6/2005	0.003	ND	ND	ND	10.9
BC08NA0033	27/6/2005	0.004	ND	ND	ND	10.2
BC08NA0033	11/7/2005	0.005	ND	ND	ND	27.3
BC08NA0033	25/7/2005	0.008	ND	ND	ND	34.6
BC08NA0033	8/8/2005	0.005	ND	ND	ND	45.4
BC08NA0033	23/8/2005	0.008	ND	ND	ND	48.4
BC08NA0033	6/9/2005	0.006	ND	ND	ND	7.42
BC08NA0033	14/9/2005	0.004	ND	ND	ND	5.2
BC08NA0033	19/9/2005	0.009	ND	ND	ND	2.32
BC08NA0033	3/10/2005	0.004	ND	ND	ND	1.3
BC08NA0033	17/10/2005	0.005	ND	ND	ND	2.37
BC08NA0033	31/10/2005	< 0.001	ND	ND	ND	0.62
BC08NA0033	14/11/2005	< 0.001	ND	ND	ND	0.43
BC08NA0033	28/11/2005	< 0.001	ND	ND	ND	0.44
BC08NA0033	12/12/2005	0.005	ND	ND	ND	0.5
BC08NA0033	9/1/2006	0.001	ND	ND	ND	0.32
BC08NA0033	23/1/2006	0.003	ND	ND	ND	0.81
BC08NA0033	6/2/2006	0.027	ND	ND	ND	0.24
BC08NA0033	20/2/2006	0.007	ND	ND	ND	0.31
BC08NA0033	6/3/2006	0.009	ND	ND	ND	0.18
BC08NA0033	20/3/2006	0.008	ND	ND	ND	0.3
BC08NA0033	3/4/2006	0.006	ND	ND	ND	0.24
BC08NA0033	20/4/2006	0.006	ND	ND	ND	0.24
BC08NA0033	1/5/2006	0.011	ND	ND	ND	20.4
BC08NA0033	12/5/2006	0.014	ND	ND	ND	41.1
BC08NA0033	15/5/2006	0.006	ND	ND	ND	8.59
BC08NA0033	30/5/2006	0.006	ND	ND	ND	90.2
BC08NA0033	4/7/2006	0.007	ND	ND	ND	60.8
BC08NA0033	10/7/2006	0.024	ND	ND	ND	139
BC08NA0033	17/7/2006	0.009	ND	ND	ND	61.3
BC08NA0033	24/7/2006	0.03	ND	ND	ND	205
BC08NA0033	8/8/2006	0.011	ND	ND	ND	223
BC08NA0033	21/8/2006	0.01	ND	ND	ND	109
BC08NA0033	5/9/2006	0.008	ND	ND	ND	90

Table A1.1. Relevant water quality data collected from reference sites used in the estimation of background cadmium concentrations in B.C. waters.

Region / Source / Station ID ¹	Date (d/m/y)	Cadmium (µg/L)		Hardness (mg CaCO ₃ /L)	TSS (mg/L)	Turbidity (NTU)
		Total	Dissolved			
<i>Environment Canada (cont.)</i>						
BC08NA0033	18/9/2006	0.004	ND	ND	ND	3.3
BC08NA0033	2/10/2006	0.006	ND	ND	ND	4.7
BC08NA0033	3/10/2006	0.013	ND	ND	ND	3.5
BC08NA0033	16/10/2006	0.005	ND	ND	ND	1.4
BC08NA0033	30/10/2006	0.009	ND	ND	ND	0.9
BC08NA0033	15/11/2006	0.003	ND	ND	ND	0.55
BC08NA0033	27/11/2006	0.013	ND	ND	ND	26.6
BC08NA0033	11/12/2006	0.013	ND	ND	ND	0.42
BC08NA0033	2/1/2007	0.018	ND	ND	ND	0.2
BC08NA0033	8/1/2007	0.013	ND	ND	ND	0.5
BC08NA0033	22/1/2007	0.018	ND	ND	ND	0.21
BC08NA0033	6/2/2007	0.012	ND	ND	ND	0.17
BC08NA0033	19/2/2007	0.011	ND	ND	ND	0.41
BC08NA0033	5/3/2007	0.015	ND	ND	ND	0.18
BC08NA0033	2/4/2007	0.008	ND	ND	ND	1.25
BC08NA0033	16/4/2007	0.01	ND	ND	ND	0.87
BC08NA0033	26/4/2007	0.006	ND	ND	ND	0.3
BC08NA0033	30/4/2007	0.006	ND	ND	ND	0.57
BC08NA0033	14/5/2007	0.004	ND	ND	ND	2.84
BC08NA0033	28/5/2007	0.003	ND	ND	ND	2.91
BC08NA0033	11/6/2007	0.01	ND	ND	ND	66.5
BC08NA0033	25/6/2007	0.008	ND	ND	ND	23.2
BC08NA0033	9/7/2007	0.029	ND	ND	ND	220
BC08NA0033	23/7/2007	0.022	ND	ND	ND	234
BC08NA0033	7/8/2007	0.008	ND	ND	ND	154
BC08NA0033	20/8/2007	0.006	ND	ND	ND	35.7
BC08NA0033	4/9/2007	0.01	ND	ND	ND	516
BC08NA0033	17/9/2007	0.003	ND	ND	ND	88.5
BC08NA0033	1/10/2007	0.002	ND	ND	ND	1.49
BC08NA0033	15/10/2007	0.002	ND	ND	ND	0.05
BC08NA0033	29/10/2007	0.003	ND	ND	ND	1.33
BC08NA0033	13/11/2007	0.003	ND	ND	ND	1.37
BC08NA0033	26/11/2007	0.005	ND	ND	ND	1.42
BC08NA0033	17/12/2007	0.005	ND	ND	ND	0.45
BC08NA0033	7/1/2008	0.005	ND	ND	ND	0.31
BC08NA0033	14/1/2008	0.006	ND	ND	ND	0.28
BC08NA0033	28/1/2008	0.016	ND	ND	ND	6.52
BC08NA0033	25/2/2008	0.007	ND	ND	ND	0.16
BC08NA0033	11/3/2008	0.009	ND	ND	ND	0.39
BC08NA0033	25/3/2008	0.009	ND	ND	ND	0.14
BC08NA0033	7/4/2008	0.007	ND	ND	ND	0.16
BC08NA0033	21/4/2008	0.01	ND	ND	ND	ND
BC08NA0033	21/5/2008	0.02	ND	ND	ND	103
BC08NA0033	2/6/2008	0.007	ND	ND	ND	33.7

Table A1.1. Relevant water quality data collected from reference sites used in the estimation of background cadmium concentrations in B.C. waters.

Region / Source / Station ID ¹	Date (d/m/y)	Cadmium (µg/L)		Hardness (mg CaCO ₃ /L)	TSS (mg/L)	Turbidity (NTU)
		Total	Dissolved			
<i>Environment Canada (cont.)</i>						
BC08NA0033	16/6/2008	0.004	ND	ND	ND	5.25
BC08NA0033	2/7/2008	0.042	ND	ND	ND	196
BC08NA0033	14/7/2008	0.009	ND	ND	ND	81.6
BC08NA0033	28/7/2008	0.007	ND	ND	ND	34.7
BC08NA0033	11/8/2008	0.008	ND	ND	ND	121
BC08NA0033	25/8/2008	0.008	ND	ND	ND	148
BC08NA0033	8/9/2008	0.005	ND	ND	ND	4.19
BC08NA0033	23/9/2008	0.003	ND	ND	ND	9.8
BC08NA0033	6/10/2008	0.006	ND	ND	ND	11.1
BC08NA0033	20/10/2008	0.015	ND	ND	ND	0.74
BC08NA0033	17/11/2008	0.009	ND	ND	ND	0.64
BC08NA0033	16/12/2008	0.009	ND	ND	ND	1.88
BC08NA0033	12/1/2009	0.011	ND	ND	ND	3.7
BC08NA0033	28/1/2009	0.009	ND	ND	ND	2.6
BC08NA0033	16/2/2009	0.016	ND	ND	ND	3.63
BC08NA0033	3/3/2009	0.015	ND	ND	ND	0.52
BC08NA0033	17/3/2009	0.013	ND	ND	ND	0.2
BC08NA0033	30/3/2009	0.02	ND	ND	ND	0.14
BC08NA0033	14/4/2009	0.007	ND	ND	ND	0.32
BC08NA0033	27/4/2009	0.028	ND	ND	ND	6.19
BC08NA0033	11/5/2009	0.007	ND	ND	ND	3.68
BC08NA0033	27/5/2009	0.006	ND	ND	ND	6.4
BC08NA0033	17/8/2009	0.007	ND	ND	ND	134
BC08NA0033	31/8/2009	0.009	ND	ND	ND	128
BC08NA0033	14/9/2009	0.014	ND	ND	ND	70.4
BC08NA0033	28/9/2009	0.015	ND	ND	ND	43.3
BC08NA0033	6/10/2009	0.003	ND	ND	ND	6.64
BC08NA0033	14/10/2009	0.006	ND	ND	ND	5.68
BC08NA0033	27/10/2009	0.007	ND	ND	ND	2.59
BC08NA0033	18/11/2009	0.004	ND	ND	ND	1.96
BC08NA0033	30/11/2009	0.004	ND	ND	ND	0.98
BC08NA0033	14/12/2009	0.006	ND	ND	ND	2.1
BC08NA0033	5/1/2010	0.006	ND	ND	ND	1.17
BC08NA0033	18/1/2010	0.005	ND	ND	ND	0.69
BC08NA0033	1/3/2010	0.012	ND	ND	ND	0.34
BC08NA0033	15/3/2010	0.005	ND	ND	ND	0.21
BC08NA0033	23/3/2010	0.006	ND	ND	ND	0.27
BC08NA0033	6/4/2010	0.007	ND	ND	ND	0.29
BC08NA0033	3/5/2010	0.012	ND	ND	ND	1.66
BC08NA0033	17/5/2010	0.008	ND	ND	ND	19.7
BC08NA0033	14/6/2010	0.01	ND	ND	ND	32.4
BC08NA0033	28/6/2010	0.006	ND	ND	ND	62.4
BC08NA0033	13/7/2010	0.008	ND	ND	ND	70.8
BC08NA0033	10/8/2010	0.007	ND	ND	ND	82.7

Table A1.1. Relevant water quality data collected from reference sites used in the estimation of background cadmium concentrations in B.C. waters.

Region / Source / Station ID ¹	Date (d/m/y)	Cadmium (µg/L)		Hardness (mg CaCO ₃ /L)	TSS (mg/L)	Turbidity (NTU)
		Total	Dissolved			
<i>Environment Canada (cont.)</i>						
BC08NA0033	24/8/2010	0.007	ND	ND	ND	23.1
BC08NA0033	8/9/2010	0.009	ND	ND	ND	4.52
BC08NA0033	21/9/2010	0.003	ND	ND	ND	11.2
BC08NA0033	19/10/2010	0.004	ND	ND	ND	2.94
BC08NA0033	25/10/2010	0.002	ND	ND	ND	1.31
BC08NA0033	2/11/2010	0.002	ND	ND	ND	1.99
BC08NA0033	15/11/2010	0.02	ND	ND	ND	0.29
BC08NA0033	29/11/2010	0.004	ND	ND	ND	2.34
BC08NA0033	13/12/2010	0.006	ND	ND	ND	1.71
BC08NA0033	4/1/2011	0.005	ND	ND	ND	0.61
BC08NA0033	24/1/2011	0.005	ND	ND	ND	0.61
BC08NA0033	7/2/2011	0.007	ND	ND	ND	0.58
BC08NA0033	21/2/2011	0.017	ND	ND	ND	0.26
BC08NA0033	7/3/2011	0.005	ND	ND	ND	0.39
BC08NA0033	21/3/2011	0.01	ND	ND	ND	0.44
BC08NA0033	5/4/2011	0.007	ND	ND	ND	0.36
BC08NA0033	20/4/2011	0.009	ND	ND	ND	0.54
BC08NA0033	17/5/2011	0.007	ND	ND	ND	18.5
BC08NA0033	31/5/2011	0.009	ND	ND	ND	4.91
BC08NA0033	14/6/2011	0.008	ND	ND	ND	45.4
BC08NA0033	28/6/2011	0.005	ND	ND	ND	11.9
BC08NA0033	11/7/2011	0.005	ND	ND	ND	16.6
BC08NA0033	25/7/2011	0.011	ND	ND	ND	21.4
BC08NA0033	8/8/2011	0.005	ND	ND	ND	20.6
BC08NA0033	22/8/2011	0.004	ND	ND	ND	36.1
BC08NA0033	7/9/2011	0.003	ND	ND	ND	29
BC08NA0033	19/9/2011	0.003	ND	ND	ND	12
BC08NA0033	4/10/2011	0.003	ND	ND	ND	13.1
BC08NA0033	19/10/2011	0.003	ND	ND	ND	1.39
BC08NA0033	31/10/2011	0.007	ND	ND	ND	0.75
BC08NA0033	16/11/2011	0.006	ND	ND	ND	6.5
BC08NA0033	14/12/2011	0.005	ND	ND	ND	0.35
BC08NA0033	14/2/2012	0.006	ND	ND	ND	0.17
BC08NA0033	13/3/2012	0.008	ND	ND	ND	0.23
BC08NA0033	11/4/2012	0.006	ND	ND	ND	0.28
BC08NA0033	8/5/2012	0.004	ND	ND	ND	1.96
BC08NA0033	6/6/2012	0.2	ND	ND	ND	865
BC08NA0033	3/7/2012	0.033	ND	ND	ND	31.7
BC08NA0033	31/7/2012	0.006	ND	ND	ND	40.5
BC08NB0002	12/5/2003	0.005	ND	ND	ND	2.32
BC08NB0002	21/5/2003	0.005	ND	ND	ND	0.62
BC08NB0002	3/6/2003	0.004	ND	ND	ND	10.4
BC08NB0002	19/8/2003	0.009	ND	ND	ND	49.2
BC08NB0002	8/9/2003	0.012	ND	ND	ND	16.8

Table A1.1. Relevant water quality data collected from reference sites used in the estimation of background cadmium concentrations in B.C. waters.

Region / Source / Station ID ¹	Date (d/m/y)	Cadmium (µg/L)		Hardness (mg CaCO ₃ /L)	TSS (mg/L)	Turbidity (NTU)
		Total	Dissolved			
<i>Environment Canada (cont.)</i>						
BC08NB0002	29/9/2003	0.002	ND	ND	ND	5.1
BC08NB0002	3/11/2003	< 0.001	ND	ND	ND	3.27
BC08NB0002	17/11/2003	< 0.001	ND	ND	ND	0.84
BC08NB0002	19/4/2004	0.003	ND	ND	ND	1.02
BC08NB0002	3/5/2004	0.007	ND	ND	ND	13.6
BC08NB0002	18/5/2004	0.008	ND	ND	ND	3.05
BC08NB0002	31/5/2004	0.004	ND	ND	ND	2.57
BC08NB0002	7/6/2004	0.012	ND	ND	ND	8.2
BC08NB0002	21/6/2004	0.003	ND	ND	ND	4.25
BC08NB0002	5/7/2004	0.008	ND	ND	ND	20.4
BC08NB0002	30/8/2004	0.011	ND	ND	ND	18
BC08NB0002	13/9/2004	0.005	ND	ND	ND	4.84
BC08NB0002	27/9/2004	0.003	ND	ND	ND	2.21
BC08NB0002	1/11/2004	< 0.001	ND	ND	ND	0.59
BC08NB0002	18/3/2005	0.004	ND	ND	ND	0.49
BC08NB0002	20/6/2005	0.004	ND	ND	ND	5.39
BC08NB0002	5/7/2005	0.005	ND	ND	ND	7.59
BC08NB0002	18/7/2005	0.006	ND	ND	ND	4.42
BC08NB0002	2/8/2005	0.006	ND	ND	ND	20.7
BC08NB0002	29/8/2005	0.004	ND	ND	ND	8.2
BC08NB0002	12/9/2005	0.004	ND	ND	ND	2.09
BC08NB0002	26/9/2005	0.003	ND	ND	ND	1.03
BC08NB0002	13/3/2006	0.002	ND	ND	ND	2.15
BC08NB0002	27/3/2006	0.002	ND	ND	ND	0.67
BC08NB0002	10/4/2006	0.003	ND	ND	ND	3.38
BC08NB0002	25/4/2006	< 0.001	ND	ND	ND	3.74
BC08NB0002	9/5/2006	0.006	ND	ND	ND	2.9
BC08NB0002	13/6/2006	0.003	ND	ND	ND	8.42
BC08NB0002	4/7/2006	0.007	ND	ND	ND	17
BC08NB0002	18/7/2006	0.005	ND	ND	ND	12.1
BC08NB0002	25/7/2006	0.022	ND	ND	ND	37.3
BC08NB0002	1/8/2006	0.006	ND	ND	ND	18.1
BC08NB0002	8/8/2006	0.007	ND	ND	ND	31
BC08NB0002	15/8/2006	0.005	ND	ND	ND	8.06
BC08NB0002	22/8/2006	0.006	ND	ND	ND	19
BC08NB0002	3/10/2006	0.004	ND	ND	ND	1.4
BC08NB0002	16/10/2006	0.004	ND	ND	ND	0.9
BC08NB0002	14/11/2006	0.001	ND	ND	ND	0.31
BC08NB0002	27/11/2006	0.003	ND	ND	ND	1.61
BC08NB0002	11/12/2006	0.008	ND	ND	ND	4.51
BC08NB0002	16/1/2007	0.002	ND	ND	ND	0.55
BC08NB0002	6/2/2007	0.003	ND	ND	ND	1.25
BC08NB0002	19/2/2007	0.002	ND	ND	ND	1.22
BC08NB0002	5/3/2007	0.001	ND	ND	ND	0.83

Table A1.1. Relevant water quality data collected from reference sites used in the estimation of background cadmium concentrations in B.C. waters.

Region / Source / Station ID ¹	Date (d/m/y)	Cadmium (µg/L)		Hardness (mg CaCO ₃ /L)	TSS (mg/L)	Turbidity (NTU)
		Total	Dissolved			
<i>Environment Canada (cont.)</i>						
BC08NB0002	19/3/2007	0.003	ND	ND	ND	0.58
BC08NB0002	2/4/2007	0.002	ND	ND	ND	0.42
BC08NB0002	16/4/2007	0.002	ND	ND	ND	0.63
BC08NB0002	25/4/2007	0.003	ND	ND	ND	1.44
BC08NB0002	22/5/2007	0.003	ND	ND	ND	6.33
BC08NB0002	11/6/2007	0.007	ND	ND	ND	24.6
BC08NB0002	9/7/2007	0.007	ND	ND	ND	24.9
BC08NB0002	24/7/2007	0.051	ND	ND	ND	186
BC08NB0002	7/8/2007	0.005	ND	ND	ND	8.27
BC08NB0002	20/8/2007	0.005	ND	ND	ND	8.62
BC08NB0002	4/9/2007	0.006	ND	ND	ND	16.2
BC08NB0002	17/9/2007	0.003	ND	ND	ND	4.47
BC08NB0002	2/10/2007	0.002	ND	ND	ND	1.47
BC08NB0002	9/10/2007	0.002	ND	ND	ND	1.01
BC08NB0002	22/10/2007	0.002	ND	ND	ND	0.89
BC08NB0002	13/11/2007	0.002	ND	ND	ND	0.97
BC08NB0002	26/11/2007	0.001	ND	ND	ND	0.87
BC08NB0002	3/12/2007	0.001	ND	ND	ND	0.81
BC08NB0002	17/12/2007	0.002	ND	ND	ND	1.51
BC08NB0002	7/1/2008	0.001	ND	ND	ND	0.41
BC08NB0002	21/1/2008	0.001	ND	ND	ND	1.33
BC08NB0002	4/2/2008	0.001	ND	ND	ND	0.78
BC08NB0002	19/2/2008	0.002	ND	ND	ND	ND
BC08NB0002	3/3/2008	0.001	ND	ND	ND	0.61
BC08NB0002	25/3/2008	0.004	ND	ND	ND	1.13
BC08NB0002	16/6/2008	0.006	ND	ND	ND	3.3
BC08NB0002	8/7/2008	0.007	ND	ND	ND	28.6
BC08NB0002	21/7/2008	0.006	ND	ND	ND	15.8
BC08NB0002	4/8/2008	0.003	ND	ND	ND	5.03
BC08NB0002	25/8/2008	0.009	ND	ND	ND	28.5
BC08NB0002	8/9/2008	0.002	ND	ND	ND	3.22
BC08NB0002	29/9/2008	0.003	ND	ND	ND	0.93
BC08NB0002	14/10/2008	0.003	ND	ND	ND	1.65
BC08NB0002	27/10/2008	0.002	ND	ND	ND	0.67
BC08NB0002	10/11/2008	0.001	ND	ND	ND	0.57
BC08NB0002	24/11/2008	0.001	ND	ND	ND	1.21
BC08NB0002	8/12/2008	0.002	ND	ND	ND	1.78
BC08NB0002	16/12/2008	0.002	ND	ND	ND	2.4
BC08NB0002	5/1/2009	0.001	ND	ND	ND	2.3
BC08NB0002	26/1/2009	0.003	ND	ND	ND	3.92
BC08NB0002	9/2/2009	0.001	ND	ND	ND	1.53
BC08NB0002	24/2/2009	0.002	ND	ND	ND	0.54
BC08NB0002	9/3/2009	0.001	ND	ND	ND	1.24
BC08NB0002	24/3/2009	0.002	ND	ND	ND	0.62

Table A1.1. Relevant water quality data collected from reference sites used in the estimation of background cadmium concentrations in B.C. waters.

Region / Source / Station ID ¹	Date (d/m/y)	Cadmium (µg/L)		Hardness (mg CaCO ₃ /L)	TSS (mg/L)	Turbidity (NTU)
		Total	Dissolved			
<i>Environment Canada (cont.)</i>						
BC08NB0002	6/4/2009	0.001	ND	ND	ND	0.8
BC08NB0002	20/4/2009	0.003	ND	ND	ND	1.21
BC08NB0002	4/5/2009	0.002	ND	ND	ND	1.67
BC08NB0002	19/5/2009	0.022	ND	ND	ND	57.6
BC08NB0002	1/6/2009	0.005	ND	ND	ND	8.21
BC08NB0002	29/6/2009	0.003	ND	ND	ND	5.63
BC08NB0002	13/7/2009	0.006	ND	ND	ND	18.3
BC08NB0002	27/7/2009	0.01	ND	ND	ND	28.4
BC08NB0002	4/8/2009	0.023	ND	ND	ND	80.4
BC08NB0002	17/8/2009	0.008	ND	ND	ND	11.4
BC08NB0002	8/9/2009	0.007	ND	ND	ND	10.3
BC08NB0002	21/9/2009	0.006	ND	ND	ND	8.7
BC08NB0002	1/10/2009	0.002	ND	ND	ND	2.57
BC08NB0002	13/10/2009	0.002	ND	ND	ND	0.78
BC08NB0002	27/10/2009	0.002	ND	ND	ND	0.62
BC08NB0002	16/11/2009	0.002	ND	ND	ND	0.46
BC08NB0002	1/12/2009	0.002	ND	ND	ND	0.54
BC08NB0002	14/12/2009	0.003	ND	ND	ND	0.62
BC08NB0002	5/1/2010	0.002	ND	ND	ND	2.06
BC08NB0002	19/1/2010	0.001	ND	ND	ND	0.69
BC08NB0002	9/2/2010	0.002	ND	ND	ND	0.58
BC08NB0002	8/3/2010	0.001	ND	ND	ND	0.63
BC08NB0002	23/3/2010	0.001	ND	ND	ND	0.69
BC08NB0002	12/4/2010	0.002	ND	ND	ND	0.74
BC08NB0002	26/4/2010	0.003	ND	ND	ND	2.01
BC08NB0002	17/5/2010	0.012	ND	ND	ND	26.9
BC08NB0002	25/5/2010	0.004	ND	ND	ND	2.83
BC08NB0002	8/6/2010	0.003	ND	ND	ND	3.76
BC08NB0002	23/6/2010	0.01	ND	ND	ND	26.9
BC08NB0002	6/7/2010	0.003	ND	ND	ND	5.76
BC08NB0002	21/7/2010	0.004	ND	ND	ND	9.37
BC08NB0002	3/8/2010	0.013	ND	ND	ND	14.5
BC08NB0002	16/8/2010	0.005	ND	ND	ND	14.6
BC08NB0002	30/8/2010	0.004	ND	ND	ND	4.9
BC08NB0002	13/9/2010	0.005	ND	ND	ND	7.71
BC08NB0002	28/9/2010	0.232	ND	ND	ND	901
BC08NB0002	12/10/2010	0.004	ND	ND	ND	15.4
BC08NB0002	25/10/2010	0.001	ND	ND	ND	1.16
BC08NB0002	8/11/2010	0.002	ND	ND	ND	2.64
BC08NB0002	23/11/2010	0.006	ND	ND	ND	0.35
BC08NB0002	7/12/2010	0.002	ND	ND	ND	0.75
BC08NB0002	13/12/2010	0.002	ND	ND	ND	1.15
BC08NB0002	4/1/2011	0.002	ND	ND	ND	0.79
BC08NB0002	25/1/2011	0.001	ND	ND	ND	1.65

Table A1.1. Relevant water quality data collected from reference sites used in the estimation of background cadmium concentrations in B.C. waters.

Region / Source / Station ID ¹	Date (d/m/y)	Cadmium (µg/L)		Hardness (mg CaCO ₃ /L)	TSS (mg/L)	Turbidity (NTU)
		Total	Dissolved			
<i>Environment Canada (cont.)</i>						
BC08NB0002	14/2/2011	0.002	ND	ND	ND	1.06
BC08NB0002	28/2/2011	0.002	ND	ND	ND	0.58
BC08NB0002	15/3/2011	0.001	ND	ND	ND	0.53
BC08NB0002	28/3/2011	0.001	ND	ND	ND	0.64
BC08NB0002	12/4/2011	0.002	ND	ND	ND	0.9
BC08NB0002	26/4/2011	0.002	ND	ND	ND	1.41
BC08NB0002	10/5/2011	0.004	ND	ND	ND	7.62
BC08NB0002	24/5/2011	0.032	ND	ND	ND	47.9
BC08NB0002	6/6/2011	0.021	ND	ND	ND	53
BC08NB0002	21/6/2011	0.011	ND	ND	ND	42.8
BC08NB0002	5/7/2011	0.004	ND	ND	ND	12.6
BC08NB0002	19/7/2011	0.023	ND	ND	ND	71.5
BC08NB0002	2/8/2011	0.007	ND	ND	ND	14.6
BC08NB0002	16/8/2011	0.005	ND	ND	ND	17.1
BC08NB0002	30/8/2011	0.005	ND	ND	ND	13.9
BC08NB0002	13/9/2011	0.007	ND	ND	ND	27.8
BC08NB0002	20/9/2011	0.003	ND	ND	ND	6.18
BC08NB0002	4/10/2011	0.003	ND	ND	ND	7.54
BC08NB0002	18/10/2011	0.002	ND	ND	ND	1.33
BC08NB0002	7/11/2011	0.002	ND	ND	ND	1.13
BC08NB0002	17/11/2011	0.002	ND	ND	ND	1.33
BC08NB0002	12/12/2011	0.002	ND	ND	ND	1.03
BC08NB0002	9/1/2012	0.002	ND	ND	ND	0.45
BC08NB0002	6/2/2012	0.002	ND	ND	ND	0.9
BC08NB0002	6/3/2012	0.002	ND	ND	ND	0.51
BC08NB0002	3/4/2012	0.002	ND	ND	ND	0.62
BC08NB0002	1/5/2012	0.004	ND	ND	ND	2.54
BC08NB0002	4/6/2012	0.005	ND	ND	ND	8.73
BC08NB0002	9/7/2012	0.008	ND	ND	ND	30.9
BC08NB0002	7/8/2012	0.015	ND	ND	ND	53.6
BC08ND0003	12/5/2003	0.009	ND	ND	ND	0.82
BC08ND0003	21/5/2003	0.008	ND	ND	ND	0.42
BC08ND0003	3/6/2003	0.011	ND	ND	ND	3.73
BC08ND0003	19/8/2003	0.005	ND	ND	ND	11.4
BC08ND0003	8/9/2003	0.019	ND	ND	ND	14.5
BC08ND0003	29/9/2003	0.004	ND	ND	ND	0.13
BC08ND0003	3/11/2003	0.004	ND	ND	ND	1.89
BC08ND0003	17/11/2003	0.015	ND	ND	ND	2.35
BC08ND0003	19/4/2004	0.007	ND	ND	ND	1.67
BC08ND0003	3/5/2004	0.016	ND	ND	ND	14.4
BC08ND0003	18/5/2004	0.003	ND	ND	ND	6.5
BC08ND0003	31/5/2004	0.011	ND	ND	ND	3.15
BC08ND0003	7/6/2004	0.02	ND	ND	ND	6.1
BC08ND0003	21/6/2004	0.009	ND	ND	ND	1.45

Table A1.1. Relevant water quality data collected from reference sites used in the estimation of background cadmium concentrations in B.C. waters.

Region / Source / Station ID ¹	Date (d/m/y)	Cadmium (µg/L)		Hardness (mg CaCO ₃ /L)	TSS (mg/L)	Turbidity (NTU)
		Total	Dissolved			
<i>Environment Canada (cont.)</i>						
BC08ND0003	5/7/2004	0.009	ND	ND	ND	2.74
BC08ND0003	30/8/2004	0.012	ND	ND	ND	7.81
BC08ND0003	13/9/2004	0.006	ND	ND	ND	1.36
BC08ND0003	27/9/2004	0.008	ND	ND	ND	0.65
BC08ND0003	1/11/2004	0.001	ND	ND	ND	0.3
BC08ND0003	18/3/2005	0.007	ND	ND	ND	0.46
BC08ND0003	20/6/2005	0.008	ND	ND	ND	2.89
BC08ND0003	5/7/2005	0.007	ND	ND	ND	3.48
BC08ND0003	18/7/2005	0.007	ND	ND	ND	18
BC08ND0003	2/8/2005	0.004	ND	ND	ND	5.35
BC08ND0003	29/8/2005	0.013	ND	ND	ND	14.2
BC08ND0003	12/9/2005	0.005	ND	ND	ND	0.99
BC08ND0003	26/9/2005	0.005	ND	ND	ND	0.45
BC08ND0003	13/3/2006	0.005	ND	ND	ND	0.36
BC08ND0003	27/3/2006	0.005	ND	ND	ND	0.2
BC08ND0003	10/4/2006	0.007	ND	ND	ND	2.39
BC08ND0003	25/4/2006	0.006	ND	ND	ND	1.84
BC08ND0003	9/5/2006	0.006	ND	ND	ND	0.55
BC08ND0003	13/6/2006	0.053	ND	ND	ND	3.61
BC08ND0003	4/7/2006	0.015	ND	ND	ND	7.27
BC08ND0003	18/7/2006	0.009	ND	ND	ND	4.34
BC08ND0003	25/7/2006	0.009	ND	ND	ND	10.2
BC08ND0003	8/8/2006	0.007	ND	ND	ND	5.14
BC08ND0003	15/8/2006	0.005	ND	ND	ND	2.41
BC08ND0003	22/8/2006	0.006	ND	ND	ND	6.55
BC08ND0003	3/10/2006	0.005	ND	ND	ND	0.4
BC08ND0003	16/10/2006	0.007	ND	ND	ND	0.3
BC08ND0003	14/11/2006	0.005	ND	ND	ND	0.25
BC08ND0003	27/11/2006	0.002	ND	ND	ND	0.68
BC08ND0003	11/12/2006	0.014	ND	ND	ND	2.61
BC08ND0003	16/1/2007	0.005	ND	ND	ND	0.25
BC08ND0003	6/2/2007	0.004	ND	ND	ND	0.46
BC08ND0003	19/2/2007	0.005	ND	ND	ND	0.14
BC08ND0003	5/3/2007	0.005	ND	ND	ND	0.92
BC08ND0003	19/3/2007	0.006	ND	ND	ND	0.44
BC08ND0003	2/4/2007	0.005	ND	ND	ND	0.25
BC08ND0003	16/4/2007	0.005	ND	ND	ND	0.54
BC08ND0003	25/4/2007	0.006	ND	ND	ND	1.11
BC08ND0003	22/5/2007	0.009	ND	ND	ND	1.63
BC08ND0003	11/6/2007	0.016	ND	ND	ND	5.97
BC08ND0003	25/6/2007	0.007	ND	ND	ND	2.86
BC08ND0003	9/7/2007	0.012	ND	ND	ND	4.61
BC08ND0003	24/7/2007	0.046	ND	ND	ND	78.3
BC08ND0003	7/8/2007	0.005	ND	ND	ND	2.96

Table A1.1. Relevant water quality data collected from reference sites used in the estimation of background cadmium concentrations in B.C. waters.

Region / Source / Station ID ¹	Date (d/m/y)	Cadmium (µg/L)		Hardness (mg CaCO ₃ /L)	TSS (mg/L)	Turbidity (NTU)
		Total	Dissolved			
<i>Environment Canada (cont.)</i>						
BC08ND0003	20/8/2007	0.006	ND	ND	ND	2.97
BC08ND0003	4/9/2007	0.005	ND	ND	ND	3.43
BC08ND0003	17/9/2007	0.006	ND	ND	ND	1.04
BC08ND0003	1/10/2007	0.006	ND	ND	ND	0.6
BC08ND0003	9/10/2007	0.004	ND	ND	ND	0.37
BC08ND0003	22/10/2007	0.005	ND	ND	ND	0.44
BC08ND0003	13/11/2007	0.005	ND	ND	ND	0.49
BC08ND0003	26/11/2007	0.006	ND	ND	ND	0.36
BC08ND0003	3/12/2007	0.004	ND	ND	ND	0.27
BC08ND0003	17/12/2007	0.006	ND	ND	ND	1.4
BC08ND0003	7/1/2008	0.004	ND	ND	ND	0.24
BC08ND0003	21/1/2008	0.005	ND	ND	ND	0.3
BC08ND0003	4/2/2008	0.003	ND	ND	ND	0.22
BC08ND0003	19/2/2008	0.005	ND	ND	ND	0.15
BC08ND0003	3/3/2008	0.005	ND	ND	ND	0.15
BC08ND0003	25/3/2008	0.006	ND	ND	ND	0.43
BC08ND0003	16/6/2008	0.01	ND	ND	ND	2
BC08ND0003	8/7/2008	0.021	ND	ND	ND	7.25
BC08ND0003	21/7/2008	0.008	ND	ND	ND	4.83
BC08ND0003	4/8/2008	0.006	ND	ND	ND	1.22
BC08ND0003	19/8/2008	0.01	ND	ND	ND	23.3
BC08ND0003	8/9/2008	0.007	ND	ND	ND	0.72
BC08ND0003	29/9/2008	0.005	ND	ND	ND	0.27
BC08ND0003	14/10/2008	0.005	ND	ND	ND	0.36
BC08ND0003	27/10/2008	0.006	ND	ND	ND	0.27
BC08ND0003	10/11/2008	0.007	ND	ND	ND	0.31
BC08ND0003	24/11/2008	0.006	ND	ND	ND	0.52
BC08ND0003	8/12/2008	0.005	ND	ND	ND	0.58
BC08ND0003	16/12/2008	0.043	ND	ND	ND	10.4
BC08ND0003	12/1/2009	0.005	ND	ND	ND	0.64
BC08ND0003	26/1/2009	0.004	ND	ND	ND	0.24
BC08ND0003	9/2/2009	0.005	ND	ND	ND	0.15
BC08ND0003	24/2/2009	0.005	ND	ND	ND	0.11
BC08ND0003	9/3/2009	0.007	ND	ND	ND	0.13
BC08ND0003	24/3/2009	0.004	ND	ND	ND	0.26
BC08ND0003	6/4/2009	0.004	ND	ND	ND	0.35
BC08ND0003	20/4/2009	0.006	ND	ND	ND	0.52
BC08ND0003	4/5/2009	0.007	ND	ND	ND	1.05
BC08ND0003	19/5/2009	0.051	ND	ND	ND	39.7
BC08ND0003	1/6/2009	0.024	ND	ND	ND	4.93
BC08ND0003	29/6/2009	0.011	ND	ND	ND	3.2
BC08ND0003	13/7/2009	0.008	ND	ND	ND	4.69
BC08ND0003	27/7/2009	0.009	ND	ND	ND	10.5
BC08ND0003	4/8/2009	0.008	ND	ND	ND	7.55

Table A1.1. Relevant water quality data collected from reference sites used in the estimation of background cadmium concentrations in B.C. waters.

Region / Source / Station ID ¹	Date (d/m/y)	Cadmium (µg/L)		Hardness (mg CaCO ₃ /L)	TSS (mg/L)	Turbidity (NTU)
		Total	Dissolved			
<i>Environment Canada (cont.)</i>						
BC08ND0003	17/8/2009	0.005	ND	ND	ND	1.46
BC08ND0003	8/9/2009	0.007	ND	ND	ND	2.79
BC08ND0003	21/9/2009	0.004	ND	ND	ND	3.07
BC08ND0003	30/9/2009	0.005	ND	ND	ND	1.72
BC08ND0003	13/10/2009	0.004	ND	ND	ND	0.43
BC08ND0003	27/10/2009	0.005	ND	ND	ND	0.41
BC08ND0003	16/11/2009	0.005	ND	ND	ND	0.43
BC08ND0003	1/12/2009	0.005	ND	ND	ND	0.36
BC08ND0003	14/12/2009	0.005	ND	ND	ND	0.2
BC08ND0003	5/1/2010	0.006	ND	ND	ND	2.28
BC08ND0003	19/1/2010	0.004	ND	ND	ND	0.22
BC08ND0003	9/2/2010	0.005	ND	ND	ND	0.59
BC08ND0003	8/3/2010	0.009	ND	ND	ND	0.37
BC08ND0003	23/3/2010	0.003	ND	ND	ND	6.23
BC08ND0003	12/4/2010	0.004	ND	ND	ND	1.62
BC08ND0003	26/4/2010	0.007	ND	ND	ND	0.75
BC08ND0003	17/5/2010	0.014	ND	ND	ND	5.86
BC08ND0003	25/5/2010	0.007	ND	ND	ND	0.93
BC08ND0003	8/6/2010	0.008	ND	ND	ND	1.78
BC08ND0003	23/6/2010	0.03	ND	ND	ND	14
BC08ND0003	6/7/2010	0.01	ND	ND	ND	1.71
BC08ND0003	21/7/2010	0.006	ND	ND	ND	1.53
BC08ND0003	3/8/2010	0.013	ND	ND	ND	5.53
BC08ND0003	16/8/2010	0.005	ND	ND	ND	4.34
BC08ND0003	30/8/2010	0.008	ND	ND	ND	1.27
BC08ND0003	13/9/2010	0.009	ND	ND	ND	2.01
BC08ND0003	28/9/2010	0.187	ND	ND	ND	451
BC08ND0003	12/10/2010	0.006	ND	ND	ND	1.7
BC08ND0003	25/10/2010	0.004	ND	ND	ND	0.36
BC08ND0003	8/11/2010	0.005	ND	ND	ND	0.66
BC08ND0003	23/11/2010	0.004	ND	ND	ND	2.03
BC08ND0003	7/12/2010	0.005	ND	ND	ND	0.33
BC08ND0003	13/12/2010	0.005	ND	ND	ND	0.39
BC08ND0003	4/1/2011	0.005	ND	ND	ND	0.18
BC08ND0003	25/1/2011	0.005	ND	ND	ND	0.46
BC08ND0003	1/2/2011	0.005	ND	ND	ND	0.24
BC08ND0003	14/2/2011	0.006	ND	ND	ND	0.49
BC08ND0003	28/2/2011	0.003	ND	ND	ND	0.17
BC08ND0003	15/3/2011	0.005	ND	ND	ND	0.2
BC08ND0003	28/3/2011	0.005	ND	ND	ND	0.26
BC08ND0003	12/4/2011	0.006	ND	ND	ND	0.45
BC08ND0003	26/4/2011	0.005	ND	ND	ND	0.55
BC08ND0003	10/5/2011	0.01	ND	ND	ND	1.59
BC08ND0003	24/5/2011	0.037	ND	ND	ND	6.77

Table A1.1. Relevant water quality data collected from reference sites used in the estimation of background cadmium concentrations in B.C. waters.

Region / Source / Station ID ¹	Date (d/m/y)	Cadmium (µg/L)		Hardness (mg CaCO ₃ /L)	TSS (mg/L)	Turbidity (NTU)
		Total	Dissolved			
<i>Environment Canada (cont.)</i>						
BC08ND0003	6/6/2011	0.046	ND	ND	ND	16.9
BC08ND0003	21/6/2011	0.048	ND	ND	ND	21.5
BC08ND0003	5/7/2011	0.011	ND	ND	ND	4.26
BC08ND0003	19/7/2011	0.013	ND	ND	ND	13.1
BC08ND0003	2/8/2011	0.006	ND	ND	ND	3.19
BC08ND0003	16/8/2011	0.006	ND	ND	ND	2.82
BC08ND0003	30/8/2011	0.004	ND	ND	ND	2.53
BC08ND0003	13/9/2011	0.005	ND	ND	ND	5.52
BC08ND0003	20/9/2011	0.004	ND	ND	ND	1.53
BC08ND0003	4/10/2011	0.006	ND	ND	ND	2.29
BC08ND0003	18/10/2011	0.004	ND	ND	ND	0.33
BC08ND0003	7/11/2011	0.005	ND	ND	ND	0.35
BC08ND0003	17/11/2011	0.005	ND	ND	ND	0.42
BC08ND0003	11/12/2011	0.006	ND	ND	ND	0.33
BC08ND0003	9/1/2012	0.004	ND	ND	ND	0.15
BC08ND0003	6/2/2012	0.006	ND	ND	ND	0.24
BC08ND0003	6/3/2012	0.004	ND	ND	ND	0.16
BC08ND0003	3/4/2012	0.004	ND	ND	ND	0.26
BC08ND0003	1/5/2012	0.008	ND	ND	ND	0.94
BC08ND0003	4/6/2012	0.013	ND	ND	ND	3.93
BC08ND0003	9/7/2012	0.023	ND	ND	ND	13.4
BC08ND0003	7/8/2012	0.007	ND	ND	ND	9.63
BC08NF0001	7/4/2003	0.003	ND	ND	ND	0.18
BC08NF0001	22/4/2003	< 0.001	ND	ND	ND	0.2
BC08NF0001	5/5/2003	0.002	ND	ND	ND	41
BC08NF0001	2/6/2003	0.002	ND	ND	ND	23.4
BC08NF0001	16/6/2003	0.001	ND	ND	ND	6.49
BC08NF0001	14/7/2003	< 0.001	ND	ND	ND	3.5
BC08NF0001	21/7/2003	0.002	ND	ND	ND	2.62
BC08NF0001	28/7/2003	0.004	ND	ND	ND	1.36
BC08NF0001	11/8/2003	0.001	ND	ND	ND	1.05
BC08NF0001	27/8/2003	0.006	ND	ND	ND	0.28
BC08NF0001	9/9/2003	0.007	ND	ND	ND	0.22
BC08NF0001	18/9/2003	0.007	ND	ND	ND	0.07
BC08NF0001	25/9/2003	< 0.001	ND	ND	ND	0.07
BC08NF0001	18/10/2003	0.004	ND	ND	ND	4.63
BC08NF0001	21/10/2003	0.086	ND	ND	ND	18.3
BC08NF0001	3/11/2003	< 0.001	ND	ND	ND	0.4
BC08NF0001	3/12/2003	0.005	ND	ND	ND	0.19
BC08NF0001	17/12/2003	0.014	ND	ND	ND	0.21
BC08NF0001	5/1/2004	0.004	ND	ND	ND	0.8
BC08NF0001	19/1/2004	0.002	ND	ND	ND	0.16
BC08NF0001	2/2/2004	0.004	ND	ND	ND	0.39
BC08NF0001	16/2/2004	0.017	ND	ND	ND	0.31

Table A1.1. Relevant water quality data collected from reference sites used in the estimation of background cadmium concentrations in B.C. waters.

Region / Source / Station ID ¹	Date (d/m/y)	Cadmium (µg/L)		Hardness (mg CaCO ₃ /L)	TSS (mg/L)	Turbidity (NTU)
		Total	Dissolved			
<i>Environment Canada (cont.)</i>						
BC08NF0001	3/3/2004	0.033	ND	ND	ND	0.13
BC08NF0001	16/3/2004	0.05	ND	ND	ND	0.24
BC08NF0001	16/3/2004	0.027	ND	ND	ND	2.27
BC08NF0001	31/3/2004	0.029	ND	ND	ND	0.49
BC08NF0001	26/4/2004	0.006	ND	ND	ND	10.2
BC08NF0001	5/5/2004	0.01	ND	ND	ND	19.3
BC08NF0001	5/5/2004	0.006	ND	ND	ND	34.4
BC08NF0001	10/5/2004	0.002	ND	ND	ND	4.04
BC08NF0001	19/5/2004	0.003	ND	ND	ND	13.2
BC08NF0001	1/6/2004	< 0.001	ND	ND	ND	1.68
BC08NF0001	16/6/2004	0.007	ND	ND	ND	3.5
BC08NF0001	29/6/2004	0.002	ND	ND	ND	1.42
BC08NF0001	13/7/2004	0.001	ND	ND	ND	3.38
BC08NF0001	27/7/2004	< 0.001	ND	ND	ND	1.41
BC08NF0001	11/8/2004	< 0.001	ND	ND	ND	0.93
BC08NF0001	23/8/2004	< 0.001	ND	ND	ND	5.94
BC08NF0001	22/9/2004	0.006	ND	ND	ND	1.19
BC08NF0001	6/10/2004	0.005	ND	ND	ND	0.68
BC08NF0001	20/10/2004	< 0.001	ND	ND	ND	0.29
BC08NF0001	3/11/2004	0.008	ND	ND	ND	0.41
BC08NF0001	17/11/2004	0.005	ND	ND	ND	1.03
BC08NF0001	30/11/2004	0.001	ND	ND	ND	0.32
BC08NF0001	13/12/2004	0.003	ND	ND	ND	0.36
BC08NF0001	10/1/2005	0.008	ND	ND	ND	0.18
BC08NF0001	24/1/2005	0.007	ND	ND	ND	0.59
BC08NF0001	9/3/2005	0.004	ND	ND	ND	0.42
BC08NF0001	6/4/2005	0.003	ND	ND	ND	0.1
BC08NF0001	18/4/2005	0.004	ND	ND	ND	10.7
BC08NF0001	2/5/2005	0.004	ND	ND	ND	3.31
BC08NF0001	18/5/2005	0.006	ND	ND	ND	13.1
BC08NF0001	30/5/2005	0.006	ND	ND	ND	13.1
BC08NF0001	13/6/2005	0.005	ND	ND	ND	6.45
BC08NF0001	11/7/2005	0.007	ND	ND	ND	3.45
BC08NF0001	17/8/2005	0.005	ND	ND	ND	1.09
BC08NF0001	30/8/2005	0.006	ND	ND	ND	1.94
BC08NF0001	12/10/2005	0.004	ND	ND	ND	0.4
BC08NF0001	26/10/2005	0.003	ND	ND	ND	0.82
BC08NF0001	8/11/2005	< 0.001	ND	ND	ND	0.88
BC08NF0001	22/11/2005	< 0.001	ND	ND	ND	0.16
BC08NF0001	10/1/2006	< 0.001	ND	ND	ND	0.26
BC08NF0001	24/1/2006	0.003	ND	ND	ND	0.25
BC08NF0001	8/2/2006	0.002	ND	ND	ND	0.39
BC08NF0001	21/2/2006	0.005	ND	ND	ND	1.94
BC08NF0001	8/3/2006	0.002	ND	ND	ND	0.39

Table A1.1. Relevant water quality data collected from reference sites used in the estimation of background cadmium concentrations in B.C. waters.

Region / Source / Station ID ¹	Date (d/m/y)	Cadmium (µg/L)		Hardness (mg CaCO ₃ /L)	TSS (mg/L)	Turbidity (NTU)
		Total	Dissolved			
<i>Environment Canada (cont.)</i>						
BC08NF0001	21/3/2006	0.002	ND	ND	ND	0.47
BC08NF0001	16/5/2006	0.006	ND	ND	ND	45.3
BC08NF0001	24/5/2006	0.006	ND	ND	ND	25.2
BC08NF0001	20/6/2006	0.006	ND	ND	ND	6.44
BC08NF0001	19/7/2006	0.002	ND	ND	ND	1.82
BC08NF0001	27/9/2006	0.004	ND	ND	ND	0.3
BC08NF0001	4/10/2006	0.003	ND	ND	ND	0.2
BC08NF0001	17/10/2006	0.003	ND	ND	ND	0.3
BC08NF0001	31/10/2006	0.002	ND	ND	ND	0.3
BC08NF0001	13/12/2006	0.008	ND	ND	ND	0.23
BC08NF0001	9/1/2007	0.003	ND	ND	ND	0.11
BC08NF0001	14/2/2007	0.003	ND	ND	ND	0.15
BC08NF0001	6/3/2007	0.002	ND	ND	ND	0.15
BC08NF0001	26/3/2007	0.005	ND	ND	ND	0.16
BC08NF0001	18/4/2007	0.002	ND	ND	ND	1.89
BC08NF0001	26/4/2007	0.003	ND	ND	ND	4.26
BC08NF0001	2/5/2007	0.004	ND	ND	ND	5.24
BC08NF0001	15/5/2007	0.002	ND	ND	ND	9.31
BC08NF0001	5/6/2007	0.035	ND	ND	ND	227
BC08NF0001	20/6/2007	0.005	ND	ND	ND	14.8
BC08NF0001	3/7/2007	0.005	ND	ND	ND	6.37
BC08NF0001	9/8/2007	0.003	ND	ND	ND	0.96
BC08NF0001	29/8/2007	0.002	ND	ND	ND	0.69
BC08NF0001	10/9/2007	0.002	ND	ND	ND	0.61
BC08NF0001	25/9/2007	0.002	ND	ND	ND	0.32
BC08NF0001	3/10/2007	< 0.001	ND	ND	ND	0.39
BC08NF0001	23/10/2007	0.003	ND	ND	ND	0.28
BC08NF0001	8/11/2007	0.002	ND	ND	ND	0.21
BC08NF0001	21/11/2007	0.003	ND	ND	ND	0.31
BC08NF0001	4/12/2007	0.001	ND	ND	ND	1.09
BC08NF0001	18/12/2007	0.002	ND	ND	ND	0.18
BC08NF0001	8/1/2008	0.002	ND	ND	ND	0.34
BC08NF0001	17/1/2008	0.003	ND	ND	ND	0.42
BC08NF0001	29/1/2008	0.001	ND	ND	ND	0.33
BC08NF0001	12/2/2008	< 0.001	ND	ND	ND	0.21
BC08NF0001	26/2/2008	0.001	ND	ND	ND	0.45
BC08NF0001	11/3/2008	0.001	ND	ND	ND	0.37
BC08NF0001	8/4/2008	0.004	ND	ND	ND	0.21
BC08NF0001	22/4/2008	0.002	ND	ND	ND	0.23
BC08NF0001	21/5/2008	0.017	ND	ND	ND	82
BC08NF0001	3/6/2008	0.011	ND	ND	ND	35.9
BC08NF0001	18/6/2008	0.004	ND	ND	ND	4.02
BC08NF0001	2/7/2008	0.007	ND	ND	ND	12.5
BC08NF0001	6/8/2008	0.003	ND	ND	ND	1.07

Table A1.1. Relevant water quality data collected from reference sites used in the estimation of background cadmium concentrations in B.C. waters.

Region / Source / Station ID ¹	Date (d/m/y)	Cadmium (µg/L)		Hardness (mg CaCO ₃ /L)	TSS (mg/L)	Turbidity (NTU)
		Total	Dissolved			
<i>Environment Canada (cont.)</i>						
BC08NF0001	3/9/2008	0.002	ND	ND	ND	0.63
BC08NF0001	16/9/2008	0.001	ND	ND	ND	0.4
BC08NF0001	30/9/2008	0.002	ND	ND	ND	0.29
BC08NF0001	15/10/2008	0.002	ND	ND	ND	0.3
BC08NF0001	26/11/2008	0.001	ND	ND	ND	0.24
BC08NF0001	7/1/2009	0.001	ND	ND	ND	2.83
BC08NF0001	27/1/2009	0.001	ND	ND	ND	0.18
BC08NF0001	17/2/2009	0.001	ND	ND	ND	0.35
BC08NF0001	3/3/2009	0.001	ND	ND	ND	0.17
BC08NF0001	24/3/2009	0.001	ND	ND	ND	0.3
BC08NF0001	22/4/2009	0.003	ND	ND	ND	13.9
BC08NF0001	3/6/2009	0.003	ND	ND	ND	8.41
BC08NF0001	16/6/2009	0.004	ND	ND	ND	11
BC08NF0001	30/6/2009	0.003	ND	ND	ND	2.56
BC08NF0001	15/7/2009	0.003	ND	ND	ND	2.01
BC08NF0001	28/7/2009	0.002	ND	ND	ND	2.62
BC08NF0001	26/8/2009	0.001	ND	ND	ND	0.7
BC08NF0001	9/9/2009	0.002	ND	ND	ND	0.42
BC08NF0001	23/9/2009	0.004	ND	ND	ND	0.43
BC08NF0001	6/10/2009	0.001	ND	ND	ND	0.2
BC08NF0001	20/10/2009	0.003	ND	ND	ND	0.46
BC08NF0001	17/11/2009	0.002	ND	ND	ND	0.28
BC08NF0001	9/12/2009	0.002	ND	ND	ND	0.44
BC08NF0001	22/12/2009	0.001	ND	ND	ND	0.24
BC08NF0001	6/1/2010	0.009	ND	ND	ND	0.77
BC08NF0001	19/1/2010	0.002	ND	ND	ND	0.14
BC08NF0001	2/2/2010	0.001	ND	ND	ND	0.1
BC08NF0001	9/2/2010	0.002	ND	ND	ND	0.29
BC08NF0001	2/3/2010	0.001	ND	ND	ND	0.56
BC08NF0001	23/3/2010	0.002	ND	ND	ND	0.4
BC08NF0001	7/4/2010	0.001	ND	ND	ND	0.18
BC08NF0001	19/4/2010	0.002	ND	ND	ND	0.91
BC08NF0001	4/5/2010	0.001	ND	ND	ND	2.25
BC08NF0001	18/5/2010	0.007	ND	ND	ND	46.1
BC08NF0001	1/6/2010	0.002	ND	ND	ND	0.99
BC08NF0001	15/6/2010	0.004	ND	ND	ND	9.67
BC08NF0001	29/6/2010	0.004	ND	ND	ND	6.5
BC08NF0001	12/7/2010	0.002	ND	ND	ND	3.77
BC08NF0001	10/8/2010	0.001	ND	ND	ND	2.13
BC08NF0001	23/8/2010	0.002	ND	ND	ND	0.71
BC08NF0001	8/9/2010	0.001	ND	ND	ND	0.52
BC08NF0001	21/9/2010	0.001	ND	ND	ND	3.16
BC08NF0001	18/10/2010	0.001	ND	ND	ND	0.17
BC08NF0001	26/10/2010	0.001	ND	ND	ND	0.99

Table A1.1. Relevant water quality data collected from reference sites used in the estimation of background cadmium concentrations in B.C. waters.

Region / Source / Station ID ¹	Date (d/m/y)	Cadmium (µg/L)		Hardness (mg CaCO ₃ /L)	TSS (mg/L)	Turbidity (NTU)
		Total	Dissolved			
<i>Environment Canada (cont.)</i>						
BC08NF0001	10/11/2010	0.001	ND	ND	ND	0.47
BC08NF0001	1/12/2010	< 0.001	ND	ND	ND	0.83
BC08NF0001	15/12/2010	0.001	ND	ND	ND	0.23
BC08NF0001	10/1/2011	0.001	ND	ND	ND	0.27
BC08NF0001	26/1/2011	0.002	ND	ND	ND	0.13
BC08NF0001	9/2/2011	0.001	ND	ND	ND	0.42
BC08NF0001	8/3/2011	0.001	ND	ND	ND	0.14
BC08NF0001	21/3/2011	0.001	ND	ND	ND	0.21
BC08NF0001	5/4/2011	0.003	ND	ND	ND	0.16
BC08NF0001	19/4/2011	0.001	ND	ND	ND	0.14
BC08NF0001	3/5/2011	0.001	ND	ND	ND	0.31
BC08NF0001	17/5/2011	0.004	ND	ND	ND	18.1
BC08NF0001	2/6/2011	0.002	ND	ND	ND	9.48
BC08NF0001	14/6/2011	0.005	ND	ND	ND	16.4
BC08NF0001	27/6/2011	0.004	ND	ND	ND	9.24
BC08NF0001	11/7/2011	0.002	ND	ND	ND	5.21
BC08NF0001	27/7/2011	0.003	ND	ND	ND	7.98
BC08NF0001	9/8/2011	0.002	ND	ND	ND	2.4
BC08NF0001	24/8/2011	0.002	ND	ND	ND	1
BC08NF0001	7/9/2011	0.001	ND	ND	ND	0.63
BC08NF0001	21/9/2011	0.002	ND	ND	ND	0.46
BC08NF0001	3/10/2011	0.001	ND	ND	ND	0.52
BC08NF0001	18/10/2011	0.001	ND	ND	ND	0.3
BC08NF0001	31/10/2011	0.001	ND	ND	ND	0.22
BC08NF0001	16/11/2011	0.001	ND	ND	ND	0.72
BC08NF0001	12/12/2011	0.001	ND	ND	ND	0.2
BC08NF0001	18/1/2012	0.002	ND	ND	ND	0.36
BC08NF0001	13/2/2012	0.001	ND	ND	ND	0.13
BC08NF0001	14/3/2012	0.001	ND	ND	ND	0.1
BC08NF0001	17/4/2012	0.001	ND	ND	ND	0.2
BC08NF0001	15/5/2012	0.005	ND	ND	ND	36.1
BC08NF0001	13/6/2012	0.005	ND	ND	ND	30.3
BC08NF0001	9/7/2012	0.004	ND	ND	ND	11.8
BC08NF0001	8/8/2012	0.008	ND	ND	ND	60.3
BC08NF0025	17/8/2003	0.003	ND	ND	ND	55
BC08NF0025	22/8/2003	0.001	ND	ND	ND	25.9
BC08NF0025	23/8/2003	< 0.001	ND	ND	ND	22.3
BC08NF0025	28/8/2003	0.01	ND	ND	ND	22.7
BC08NF0025	9/9/2003	0.009	ND	ND	ND	22.4
BC08NF0025	18/9/2003	0.006	ND	ND	ND	2.51
BC08NF0025	18/10/2003	0.048	ND	ND	ND	138
BC08NF0025	21/10/2003	0.457	ND	ND	ND	2080
BC08NF0025	5/5/2004	0.01	ND	ND	ND	20.9
BC08NF0025	10/5/2004	0.011	ND	ND	ND	16

Table A1.1. Relevant water quality data collected from reference sites used in the estimation of background cadmium concentrations in B.C. waters.

Region / Source / Station ID ¹	Date (d/m/y)	Cadmium (µg/L)		Hardness (mg CaCO ₃ /L)	TSS (mg/L)	Turbidity (NTU)
		Total	Dissolved			
<i>Environment Canada (cont.)</i>						
BC08NF0025	19/5/2004	0.011	ND	ND	ND	31.4
BC08NF0025	1/6/2004	0.009	ND	ND	ND	6.89
BC08NF0025	16/6/2004	0.013	ND	ND	ND	19.7
BC08NF0025	29/6/2004	0.007	ND	ND	ND	46
BC08NF0025	13/7/2004	0.004	ND	ND	ND	24.2
BC08NF0025	27/7/2004	0.003	ND	ND	ND	29.7
BC08NF0025	11/8/2004	< 0.001	ND	ND	ND	41.4
BC08NF0025	23/8/2004	< 0.001	ND	ND	ND	51.7
BC08NF0025	22/9/2004	0.006	ND	ND	ND	2.35
BC08NF0025	6/10/2004	0.006	ND	ND	ND	1.04
BC08NF0025	20/10/2004	< 0.001	ND	ND	ND	0.88
BC08NF0025	3/11/2004	0.006	ND	ND	ND	2.06
BC08NF0025	17/11/2004	0.008	ND	ND	ND	1.81
BC08NF0025	30/11/2004	0.003	ND	ND	ND	1.75
BC08NF0025	18/4/2005	0.008	ND	ND	ND	7.65
BC08NF0025	2/5/2005	0.025	ND	ND	ND	4.31
BC08NF0025	18/5/2005	0.024	ND	ND	ND	47.1
BC08NF0025	30/5/2005	0.017	ND	ND	ND	43.8
BC08NF0025	13/6/2005	0.009	ND	ND	ND	23.4
BC08NF0025	11/7/2005	0.008	ND	ND	ND	10.8
BC08NF0025	17/8/2005	0.018	ND	ND	ND	126
BC08NF0025	30/8/2005	0.006	ND	ND	ND	27.7
BC08NF0025	12/10/2005	0.004	ND	ND	ND	1.18
BC08NF0025	26/10/2005	0.008	ND	ND	ND	1.14
BC08NF0025	8/11/2005	< 0.001	ND	ND	ND	1.8
BC08NF0025	22/11/2005	< 0.001	ND	ND	ND	0.91
BC08NF0025	16/5/2006	0.022	ND	ND	ND	69.5
BC08NF0025	24/5/2006	0.033	ND	ND	ND	138
BC08NF0025	20/6/2006	0.011	ND	ND	ND	24.2
BC08NF0025	19/7/2006	0.007	ND	ND	ND	17.5
BC08NF0025	27/9/2006	0.005	ND	ND	ND	2.8
BC08NF0025	4/10/2006	0.005	ND	ND	ND	0.6
BC08NF0025	17/10/2006	0.003	ND	ND	ND	0.8
BC08NF0025	18/4/2007	0.004	ND	ND	ND	2.98
BC08NF0025	26/4/2007	0.006	ND	ND	ND	4.59
BC08NF0025	2/5/2007	0.008	ND	ND	ND	3.18
BC08NF0025	15/5/2007	0.039	ND	ND	ND	13
BC08NF0025	5/6/2007	0.223	ND	ND	ND	824
BC08NF0025	20/6/2007	0.019	ND	ND	ND	56.3
BC08NF0025	3/7/2007	0.015	ND	ND	ND	59.7
BC08NF0025	9/8/2007	0.005	ND	ND	ND	27.1
BC08NF0025	29/8/2007	0.011	ND	ND	ND	7.1
BC08NF0025	10/9/2007	0.01	ND	ND	ND	11.9
BC08NF0025	25/9/2007	0.002	ND	ND	ND	1.41

Table A1.1. Relevant water quality data collected from reference sites used in the estimation of background cadmium concentrations in B.C. waters.

Region / Source / Station ID ¹	Date (d/m/y)	Cadmium (µg/L)		Hardness (mg CaCO ₃ /L)	TSS (mg/L)	Turbidity (NTU)
		Total	Dissolved			
<i>Environment Canada (cont.)</i>						
BC08NF0025	3/10/2007	0.002	ND	ND	ND	0.12
BC08NF0025	30/10/2007	0.003	ND	ND	ND	0.68
BC08NF0025	8/11/2007	0.003	ND	ND	ND	0.79
BC08NF0025	3/6/2008	0.024	ND	ND	ND	91.2
BC08NF0025	18/6/2008	0.011	ND	ND	ND	14.1
BC08NF0025	2/7/2008	0.025	ND	ND	ND	179
BC08NF0025	5/8/2008	0.004	ND	ND	ND	13.8
BC08NF0025	3/9/2008	0.004	ND	ND	ND	5.74
BC08NF0025	16/9/2008	0.003	ND	ND	ND	2.95
BC08NF0025	15/10/2008	0.004	ND	ND	ND	1.36
BC08NF0025	26/11/2008	0.004	ND	ND	ND	2.9
BC08NF0025	1/7/2009	0.006	ND	ND	ND	13.9
BC08NF0025	15/7/2009	0.004	ND	ND	ND	29.4
BC08NF0025	28/7/2009	0.007	ND	ND	ND	50.1
BC08NF0025	10/8/2009	0.004	ND	ND	ND	18.5
BC08NF0025	26/8/2009	0.004	ND	ND	ND	14
BC08NF0025	23/9/2009	0.003	ND	ND	ND	5.26
BC08NF0025	6/10/2009	0.002	ND	ND	ND	0.95
BC08NF0025	20/10/2009	0.003	ND	ND	ND	2.4
BC08NF0025	17/11/2009	0.003	ND	ND	ND	3.45
BC08NF0025	19/4/2010	0.007	ND	ND	ND	10.8
BC08NF0025	4/5/2010	0.002	ND	ND	ND	3.23
BC08NF0025	18/5/2010	0.014	ND	ND	ND	61.3
BC08NF0025	1/6/2010	0.002	ND	ND	ND	2.98
BC08NF0025	15/6/2010	0.011	ND	ND	ND	52.4
BC08NF0025	29/6/2010	0.01	ND	ND	ND	72.5
BC08NF0025	12/7/2010	0.012	ND	ND	ND	74.5
BC08NF0025	10/8/2010	0.003	ND	ND	ND	23.4
BC08NF0025	23/8/2010	0.002	ND	ND	ND	14.5
BC08NF0025	8/9/2010	0.003	ND	ND	ND	4.32
BC08NF0025	21/9/2010	0.011	ND	ND	ND	21.1
BC08NF0025	4/10/2010	0.002	ND	ND	ND	6.24
BC08NF0025	18/10/2010	0.002	ND	ND	ND	1.17
BC08NF0025	26/10/2010	0.002	ND	ND	ND	1.06
BC08NF0025	10/11/2010	0.002	ND	ND	ND	1.41
BC08NF0025	3/5/2011	0.006	ND	ND	ND	8.02
BC08NF0025	17/5/2011	0.011	ND	ND	ND	20.1
BC08NF0025	2/6/2011	0.032	ND	ND	ND	15.1
BC08NF0025	14/6/2011	0.042	ND	ND	ND	48.6
BC08NF0025	27/6/2011	0.015	ND	ND	ND	24.5
BC08NF0025	11/7/2011	0.009	ND	ND	ND	21.5
BC08NF0025	27/7/2011	0.013	ND	ND	ND	52.2
BC08NF0025	9/8/2011	0.003	ND	ND	ND	11.3
BC08NF0025	24/8/2011	0.003	ND	ND	ND	15.2

Table A1.1. Relevant water quality data collected from reference sites used in the estimation of background cadmium concentrations in B.C. waters.

Region / Source / Station ID ¹	Date (d/m/y)	Cadmium (µg/L)		Hardness (mg CaCO ₃ /L)	TSS (mg/L)	Turbidity (NTU)
		Total	Dissolved			
<i>Environment Canada (cont.)</i>						
BC08NF0025	7/9/2011	0.002	ND	ND	ND	5.46
BC08NF0025	21/9/2011	0.002	ND	ND	ND	4.08
BC08NF0025	3/10/2011	0.004	ND	ND	ND	15.4
BC08NF0025	18/10/2011	0.002	ND	ND	ND	2.31
BC08NF0025	31/10/2011	0.002	ND	ND	ND	1.37
<u>Cariboo</u>						
<i>BCMOE</i>						
E207578	16/12/1987	< 0.5	< 0.5	160	ND	ND
E207578	22/7/1988	< 10	< 10	ND	ND	ND
E207578	9/5/1991	< 0.5	< 0.5	ND	1	ND
E207578	29/8/1991	< 0.5	< 0.5	ND	1	ND
E207578	23/9/1991	< 10	< 10	ND	1	ND
E207578	6/2/1992	< 0.5	< 0.5	ND	1	ND
E207578	22/4/1992	< 2	< 2	ND	ND	ND
E207578	20/5/1992	< 0.5	< 0.5	ND	1	ND
E207578	18/8/1992	< 0.5	< 0.5	ND	2	ND
E207578	4/11/1992	< 2	< 2	ND	ND	ND
E207578	7/6/1993	< 2	< 2	ND	ND	ND
E207578	16/11/1993	< 2	< 2	ND	ND	ND
E207578	7/11/1994	< 2	< 2	ND	ND	ND
E207578	12/9/1995	< 2	< 2	ND	ND	ND
E207578	7/1/2002	< 1	< 1	95.5	< 3	ND
E207578	6/2/2002	< 1	< 1	98	< 9	ND
E207578	11/3/2002	< 1	< 1	96.8	< 3	ND
E207578	4/4/2002	< 1	< 1	100	< 3	ND
E207578	1/5/2002	< 1	< 1	46.6	5	ND
E207578	6/6/2002	< 1	< 1	79.4	< 3	ND
E207578	3/7/2002	< 1	< 1	124	< 3	ND
E207578	7/8/2002	< 0.5	< 0.5	134	< 3	ND
E207578	3/9/2002	< 0.5	< 0.5	133	< 3	ND
E207578	8/10/2002	< 0.5	< 0.5	127	< 3	ND
E207578	7/11/2002	< 0.5	< 0.5	143	< 3	ND
E207578	2/12/2002	< 0.5	< 0.5	123	< 3	ND
E207578	9/1/2003	< 0.5	< 0.5	144	< 3	ND
E207578	2/2/2003	< 0.5	< 0.5	162	< 3	ND
E207578	4/3/2003	< 0.5	< 0.5	121	< 3	ND
E207578	3/5/2003	< 0.5	< 0.5	60.6	< 3	ND
E207578	4/6/2003	< 0.5	< 0.5	79.3	< 3	ND
E207578	1/10/2003	< 0.5	< 0.5	146	< 3	ND
E207578	4/11/2003	< 0.5	< 0.5	139	3	ND
E207578	4/12/2003	< 0.5	< 0.5	135	< 3	ND
E207578	13/1/2004	< 0.5	< 0.5	139	< 3	ND
E207578	2/2/2004	< 0.5	< 0.5	99.4	< 3	ND

Table A1.1. Relevant water quality data collected from reference sites used in the estimation of background cadmium concentrations in B.C. waters.

Region / Source / Station ID ¹	Date (d/m/y)	Cadmium (µg/L)		Hardness (mg CaCO ₃ /L)	TSS (mg/L)	Turbidity (NTU)
		Total	Dissolved			
<i>BCMOE (cont.)</i>						
E207578	1/3/2004	< 0.5	< 0.5	89	< 3	ND
E207578	5/7/2004	< 0.5	< 0.5	87.8	< 3	ND
E207578	3/8/2004	< 0.5	< 0.5	147	< 3	ND
E207578	2/9/2004	< 0.5	< 0.5	80.3	3.5	ND
E207578	4/10/2004	< 0.5	< 0.5	83.8	< 3	ND
E207578	1/11/2004	< 0.5	< 0.5	88.9	< 3	ND
E207578	1/12/2004	< 0.5	< 0.5	72.9	< 3	ND
E207578	5/1/2005	< 0.5	< 0.5	91.8	< 3	ND
E207578	1/2/2005	< 0.5	< 0.5	53	< 3	ND
E207578	1/3/2005	< 0.5	< 0.5	81.4	3.2	ND
E207578	4/4/2005	< 0.5	< 0.5	75	< 3	ND
E207578	2/5/2005	< 0.5	< 0.5	76.4	< 3	ND
E207578	1/6/2005	< 0.5	< 0.5	84.6	3.6	ND
E207578	4/7/2005	< 0.5	< 0.5	88.3	< 3	ND
E207578	2/8/2005	< 0.5	< 0.5	105	< 3	ND
E207578	6/9/2005	< 0.5	< 0.5	114	< 3	ND
E207578	1/11/2005	< 0.5	< 0.5	92.3	< 3	ND
E207578	1/12/2005	< 0.5	< 0.5	99.1	< 3	ND
E207578	3/1/2006	< 0.5	< 0.5	90.5	< 3	ND
E207578	2/2/2006	< 0.5	< 0.5	102	< 3	ND
E207578	1/3/2006	< 0.5	< 0.5	111	< 3	ND
E207578	4/4/2006	< 0.5	< 0.5	65	10	ND
E207578	2/5/2006	< 0.5	< 0.5	69	< 3	ND
E207578	5/6/2006	< 0.5	< 0.5	93	< 3	ND
E207578	4/7/2006	< 0.5	< 0.5	131	< 3	ND
E207578	2/8/2006	< 0.5	< 0.5	127	< 3	ND
E207578	3/10/2006	< 0.5	< 0.5	128	< 3	ND
E207578	2/11/2006	< 0.5	< 0.5	114	< 3	ND
E207578	4/12/2006	< 0.5	< 0.5	98	< 3	ND
E207578	2/1/2007	< 0.5	< 0.5	94.9	< 3	ND
E207578	5/2/2007	< 0.05	< 0.05	99.5	< 3	ND
E207578	5/3/2007	< 0.05	< 0.05	91.2	< 3	ND
E207578	2/4/2007	< 0.05	< 0.05	72.5	< 3	ND
E207578	7/5/2007	< 0.05	< 0.05	59.4	< 3	ND
E207578	5/6/2007	< 0.017	< 0.017	112	< 3	ND
E207578	3/7/2007	< 0.05	< 0.05	111	< 3	ND
E207578	1/8/2007	< 0.05	< 0.05	147	< 3	ND
E207578	5/9/2007	< 0.05	< 0.05	148	< 3	ND
E207578	4/12/2007	< 0.05	< 0.05	76.7	< 3	ND
E207578	8/1/2008	< 0.05	< 0.05	92.5	< 3	ND
E207578	6/2/2008	< 0.05	< 0.05	94.7	< 3	ND
E207578	5/3/2008	< 0.05	< 0.05	101	< 3	ND
E207578	3/4/2008	< 0.05	< 0.05	96.6	< 3	ND
E207578	5/5/2008	< 0.05	< 0.05	45.5	< 3	ND

Table A1.1. Relevant water quality data collected from reference sites used in the estimation of background cadmium concentrations in B.C. waters.

Region / Source / Station ID ¹	Date (d/m/y)	Cadmium (µg/L)		Hardness (mg CaCO ₃ /L)	TSS (mg/L)	Turbidity (NTU)
		Total	Dissolved			
<i>BCMOE (cont.)</i>						
E207578	3/6/2008	< 0.05	< 0.05	80.6	< 3	ND
E207578	3/7/2008	< 0.017	< 0.017	118	< 3	ND
E207578	1/8/2008	< 0.05	< 0.05	139	< 3	ND
E207578	3/9/2008	ND	< 0.05	123	< 3	ND
E207578	6/10/2008	< 0.05	< 0.05	106	< 3	ND
E207578	4/11/2008	< 0.05	< 0.05	120	< 3	ND
E207578	3/12/2008	< 0.05	< 0.05	81.7	< 3	ND
E207578	20/1/2009	< 0.05	< 0.05	95	< 3	ND
E207578	10/2/2009	< 0.05	< 0.05	103	< 3	ND
E207578	2/3/2009	< 0.05	< 0.05	102	< 3	ND
E207578	2/4/2009	< 0.05	< 0.05	98.2	< 3	ND
E207578	6/5/2009	< 0.05	< 0.05	49.2	< 3	ND
E207578	1/6/2009	0.078	< 0.05	88.1	< 3	ND
E207578	6/7/2009	< 0.05	< 0.05	122	< 3	ND
E207578	6/8/2009	< 0.05	< 0.05	136	< 3	ND
E207578	3/9/2009	< 0.05	< 0.05	136	< 3	ND
E207578	6/10/2009	< 0.05	< 0.05	150	< 1	ND
E207578	2/11/2009	< 0.05	< 0.05	101	1	ND
E207578	16/12/2009	< 0.05	< 0.05	83.7	< 1	ND
E207578	5/1/2010	< 0.05	< 0.05	85.4	< 1	ND
E207578	3/2/2010	< 0.05	< 0.05	93.9	< 1	ND
E207578	15/3/2010	< 0.017	< 0.017	78.1	< 1	ND
E207578	6/4/2010	< 0.017	< 0.017	61.1	2	ND
E207578	10/5/2010	< 0.017	< 0.017	66.5	1.1	ND
E207578	7/6/2010	< 0.017	< 0.017	91.2	< 1	ND
E207578	15/7/2010	< 0.017	< 0.017	140	< 1	ND
E207578	5/8/2010	< 0.017	< 0.017	125	1.9	ND
E207578	7/9/2010	< 0.017	< 0.017	167	< 1	ND
E207578	5/10/2010	< 0.017	< 0.017	148	< 1	ND
E207578	1/11/2010	< 0.017	< 0.017	135	< 1	ND
E207578	7/12/2010	< 0.017	< 0.017	144	< 1	ND
E207578	10/1/2011	< 0.017	< 0.017	109	< 1	ND
E207578	8/2/2011	< 0.017	< 0.017	99	< 1	ND
E207578	8/3/2011	< 0.017	< 0.017	105	< 1	ND
E207578	4/4/2011	< 0.017	< 0.017	92.4	< 1	ND
E207578	2/5/2011	< 0.017	< 0.017	55.2	2.5	ND
E207578	28/6/2011	< 0.017	< 0.017	90.4	1.7	ND
E207578	21/7/2011	< 0.017	< 0.017	79	6.8	ND
E207578	4/8/2011	0.049	< 0.017	97.5	< 1	ND
E207578	7/9/2011	< 0.017	< 0.017	148	< 1	ND
E207578	4/10/2011	< 0.017	< 0.017	154	< 1	ND
E207578	1/11/2011	< 0.017	< 0.017	169	< 1	ND
E207578	12/12/2011	< 0.017	< 0.017	118	< 1	ND
E207578	3/1/2012	< 0.017	< 0.017	96.9	< 1	ND

Table A1.1. Relevant water quality data collected from reference sites used in the estimation of background cadmium concentrations in B.C. waters.

Region / Source / Station ID ¹	Date (d/m/y)	Cadmium (µg/L)		Hardness (mg CaCO ₃ /L)	TSS (mg/L)	Turbidity (NTU)
		Total	Dissolved			
<i>BCMOE (cont.)</i>						
E207578	1/2/2012	< 0.017	< 0.017	115	< 1	ND
E207578	12/3/2012	< 0.017	< 0.017	109	< 1	ND
E207578	3/7/2012	< 0.017	< 0.017	110	< 1	ND
E207578	1/8/2012	< 0.017	< 0.017	146	< 1	ND
E207578	4/9/2012	< 0.017	< 0.017	167	< 1	ND
E216744	25/2/1992	< 2	< 2	ND	ND	ND
E216744	6/5/1992	< 2	ND	ND	1	ND
E216744	25/8/1992	< 2	< 2	ND	2	ND
E216744	25/8/1992	< 0.5	< 0.5	ND	ND	ND
E216744	30/9/1999	< 0.02	ND	70.9	< 4	0.54
E216744	13/10/1999	< 0.02	ND	70.5	< 4	0.37
E216744	21/10/1999	< 0.02	ND	72.5	< 4	0.89
E216744	26/10/1999	< 0.02	ND	70.5	< 4	2.6
E216744	1/11/1999	< 0.02	ND	63.3	5	3.03
E216744	8/11/1999	< 0.02	ND	59.9	< 4	1.56
E216744	16/11/1999	< 0.02	ND	51.9	< 4	1.14
E216744	16/11/1999	< 0.01	< 0.01	51.6	ND	ND
E216744	2/12/1999	< 0.02	ND	57.4	< 4	1.23
E216744	10/7/2000	< 0.02	ND	64.4	< 4	1.65
E216744	14/8/2000	< 0.02	ND	98.5	< 4	2.63
E216744	6/9/2000	0.07	ND	74.4	ND	ND
E216744	6/9/2000	< 0.02	ND	88.9	< 4	1.7
E216744	17/10/2000	< 0.02	ND	74.9	< 4	1.22
E216744	24/10/2000	< 0.02	ND	55.8	< 4	0.93
E216744	30/10/2000	< 0.02	ND	53.4	< 4	0.86
E216744	9/1/2001	< 0.02	ND	78.1	< 4	1.68
E216744	6/2/2001	< 0.02	ND	82.3	< 4	1.69
E216744	14/3/2001	< 0.02	ND	81.9	< 4	2.53
E216744	22/4/2001	< 0.02	ND	40.1	< 4	0.82
E216744	26/4/2001	0.04	ND	41.7	< 4	0.67
E216744	2/5/2001	< 0.02	ND	42.9	< 4	0.61
E216744	6/6/2001	< 0.02	ND	48.7	< 4	0.99
E216744	11/7/2001	< 0.02	ND	81.8	< 4	1.67
E216744	10/8/2001	< 0.02	ND	61.2	< 4	1.4
E216744	12/9/2001	< 0.02	ND	89.1	< 4	1.67
E216744	23/10/2001	< 0.02	ND	57	< 4	1.04
E216744	13/11/2001	< 0.02	ND	57.9	< 4	0.71
E216744	17/12/2001	< 0.02	ND	69	< 4	1.58
E216744	21/10/2004	< 0.01	ND	ND	ND	ND
E216744	2/6/2005	< 0.01	< 0.01	ND	ND	ND
E216744	11/2/2010	< 0.017	< 0.017	77.1	122	0.62
E216744	12/5/2011	0.013	< 0.01	44.6	< 3	1.6
E216744	4/8/2011	< 0.01	< 0.01	103	4.7	2.53
E216744	1/11/2011	< 0.01	< 0.01	112	< 3	1.16

Table A1.1. Relevant water quality data collected from reference sites used in the estimation of background cadmium concentrations in B.C. waters.

Region / Source / Station ID ¹	Date (d/m/y)	Cadmium (µg/L)		Hardness (mg CaCO ₃ /L)	TSS (mg/L)	Turbidity (NTU)
		Total	Dissolved			
<i>BCMOE (cont.)</i>						
E216744	3/5/2012	< 0.01	< 0.01	59.5	< 3	0.61
E217191	3/1/2002	< 1	< 1	46.8	4	ND
E217191	5/2/2002	< 1	< 1	56.7	3	ND
E217191	6/3/2002	< 1	< 1	54.7	< 3	ND
E217191	2/4/2002	< 1	< 1	59	< 3	ND
E217191	1/5/2002	< 1	< 1	37.8	< 3	ND
E217191	6/6/2002	< 1	< 1	25.4	< 3	ND
E217191	3/7/2002	< 1	< 1	31	< 3	ND
E217191	7/8/2002	< 0.5	< 0.5	37.7	< 3	ND
E217191	8/10/2002	< 0.5	< 0.5	39	3	ND
E217191	7/11/2002	< 0.5	< 0.5	43	< 3	ND
E217191	2/12/2002	< 0.5	< 0.5	47.3	< 3	ND
E217191	9/1/2003	< 0.5	< 0.5	53.1	< 3	ND
E217191	2/2/2003	< 0.5	< 0.5	48.3	< 3	ND
E217191	3/3/2003	< 0.5	< 0.5	43.2	< 3	ND
E217191	3/5/2003	< 0.5	< 0.5	36.5	< 3	ND
E217191	4/6/2003	< 0.5	< 0.5	37.2	4	ND
E217191	1/10/2003	< 0.5	< 0.5	54.8	< 3	ND
E217191	4/11/2003	0.65	< 0.5	57.9	3	ND
E217191	4/12/2003	< 0.5	< 0.5	58.5	< 3	ND
E217191	13/1/2004	< 0.5	< 0.5	67.6	< 3	ND
E217191	2/2/2004	< 0.5	< 0.5	64.3	< 3	ND
E217191	1/3/2004	< 0.5	< 0.5	61.8	4	ND
E217191	5/7/2004	< 0.5	< 0.5	35.6	< 3	ND
E217191	3/8/2004	< 0.5	< 0.5	42.1	5.2	ND
E217191	2/9/2004	< 0.5	< 0.5	44	9.5	ND
E217191	4/10/2004	< 0.5	< 0.5	41.4	4	ND
E217191	1/11/2004	< 0.5	< 0.5	37.7	6.5	ND
E217191	1/12/2004	< 0.5	< 0.5	41.7	3.5	ND
E217191	4/1/2005	< 0.5	< 0.5	48.2	< 3	ND
E217191	2/2/2005	< 0.5	< 0.5	28.5	< 3	ND
E217191	1/3/2005	< 0.5	< 0.5	37.7	< 3	ND
E217191	4/4/2005	< 0.5	< 0.5	36.7	< 3	ND
E217191	3/5/2005	< 0.5	< 0.5	26.7	< 3	ND
E217191	1/6/2005	< 0.5	< 0.5	32.1	< 3	ND
E217191	4/7/2005	< 0.5	< 0.5	34.2	4	ND
E217191	2/8/2005	< 0.5	< 0.5	40.9	4.7	ND
E217191	6/9/2005	< 0.5	< 0.5	42.7	6	ND
E217191	1/11/2005	< 0.5	< 0.5	49.7	4.4	ND
E217191	1/12/2005	< 0.5	< 0.5	60.6	16.8	ND
E217191	3/1/2006	< 0.5	< 0.5	52	< 3	ND
E217191	2/2/2006	< 0.5	< 0.5	67.3	< 3	ND
E217191	1/3/2006	< 0.5	< 0.5	68.8	3.2	ND
E217191	4/4/2006	< 0.5	< 0.5	53.5	3	ND

Table A1.1. Relevant water quality data collected from reference sites used in the estimation of background cadmium concentrations in B.C. waters.

Region / Source / Station ID ¹	Date (d/m/y)	Cadmium (µg/L)		Hardness (mg CaCO ₃ /L)	TSS (mg/L)	Turbidity (NTU)
		Total	Dissolved			
<i>BCMOE (cont.)</i>						
E217191	2/5/2006	< 0.5	< 0.5	38.2	< 3	ND
E217191	5/6/2006	< 0.5	< 0.5	37.9	< 3	ND
E217191	2/8/2006	< 0.5	< 0.5	42.5	< 3	ND
E217191	3/10/2006	< 0.5	< 0.5	51.5	< 3	ND
E217191	2/11/2006	< 0.5	< 0.5	64.6	< 3	ND
E217191	4/12/2006	< 0.5	< 0.5	65.1	< 3	ND
E217191	2/1/2007	< 0.5	< 0.5	80.6	< 3	ND
E217191	5/2/2007	< 0.05	< 0.05	83.7	< 3	ND
E217191	5/3/2007	< 0.05	< 0.05	70.2	< 3	ND
E217191	2/4/2007	< 0.05	< 0.05	55.5	< 3	ND
E217191	7/5/2007	0.06	< 0.05	26.6	< 3	ND
E217191	5/6/2007	0.033	0.023	31	4.2	ND
E217191	3/7/2007	< 0.05	< 0.05	32.4	5	ND
E217191	1/8/2007	< 0.05	< 0.05	37.7	8.4	ND
E217191	5/9/2007	< 0.05	< 0.05	38.6	< 3	ND
E217191	5/11/2007	< 0.05	< 0.05	49.3	3.3	ND
E217191	4/12/2007	< 0.05	< 0.05	55.7	< 3	ND
E217191	8/1/2008	< 0.05	< 0.05	69.1	< 3	ND
E217191	6/2/2008	< 0.05	< 0.05	66.8	< 3	ND
E217191	5/3/2008	< 0.05	< 0.05	83.8	< 3	ND
E217191	3/4/2008	< 0.05	< 0.05	86.6	< 3	ND
E217191	5/5/2008	< 0.05	< 0.05	21.2	3.3	ND
E217191	3/6/2008	< 0.05	< 0.05	28.3	< 3	ND
E217191	3/7/2008	0.045	0.025	33	14.5	ND
E217191	1/8/2008	< 0.05	< 0.05	34.9	7.3	ND
E217191	8/9/2008	< 0.05	< 0.05	42.6	3	ND
E217191	6/10/2008	< 0.05	< 0.05	54.2	3.6	ND
E217191	4/11/2008	< 0.05	< 0.05	53.8	6.8	ND
E217191	8/12/2008	< 0.05	< 0.05	62.7	3.5	ND
E217191	20/1/2009	< 0.05	< 0.05	61	< 3	ND
E217191	10/2/2009	< 0.05	< 0.05	67.3	< 3	ND
E217191	2/3/2009	< 0.05	< 0.05	74	< 3	ND
E217191	2/4/2009	< 0.05	< 0.05	83.5	< 3	ND
E217191	6/5/2009	< 0.05	< 0.05	29.4	4	ND
E217191	1/6/2009	< 0.05	< 0.05	25.6	< 3	ND
E217191	6/7/2009	< 0.05	< 0.05	31	4.3	ND
E217191	6/10/2009	< 0.05	< 0.05	64.2	1.1	ND
E217191	2/11/2009	< 0.05	< 0.05	42.8	4	ND
E217191	16/12/2009	< 0.05	< 0.05	56.9	< 1	ND
E217191	5/1/2010	< 0.05	< 0.05	56.5	9.7	ND
E217191	3/2/2010	< 0.05	< 0.05	64.2	1.6	ND
E217191	15/3/2010	0.02	0.02	63.7	2.7	ND
E217191	6/4/2010	0.033	0.021	49.6	4.2	ND
E217191	10/5/2010	0.024	0.024	30.2	1.1	ND

Table A1.1. Relevant water quality data collected from reference sites used in the estimation of background cadmium concentrations in B.C. waters.

Region / Source / Station ID ¹	Date (d/m/y)	Cadmium (µg/L)		Hardness (mg CaCO ₃ /L)	TSS (mg/L)	Turbidity (NTU)
		Total	Dissolved			
<i>BCMOE (cont.)</i>						
E217191	7/6/2010	0.037	0.03	31.2	3.2	ND
E217191	15/7/2010	0.049	0.045	35.6	1	ND
E217191	5/10/2010	< 0.017	< 0.017	40.5	1.4	ND
E217191	1/11/2010	< 0.017	< 0.017	44.3	2.7	ND
E217191	7/12/2010	< 0.017	< 0.017	57.3	3.2	ND
E217191	10/1/2011	0.017	< 0.017	74.4	3.6	ND
E217191	9/2/2011	< 0.017	< 0.017	71.6	< 1	ND
E217191	9/3/2011	0.022	< 0.017	82	< 1	ND
E217191	4/4/2011	< 0.017	< 0.017	75.3	< 1	ND
E217191	2/5/2011	0.023	0.017	35.6	3.3	ND
E217191	2/5/2011	0.026	0.037	35.6	3.5	ND
E217191	16/6/2011	0.021	< 0.017	26.7	6.9	ND
E217191	21/7/2011	0.028	< 0.017	30.6	4.8	ND
E217191	4/8/2011	0.023	< 0.017	32.4	6.1	ND
E217191	7/9/2011	0.043	< 0.017	39.8	12.3	ND
E217191	4/10/2011	0.022	< 0.017	44.5	6.6	ND
E217191	1/11/2011	< 0.017	< 0.017	46.9	4.2	ND
E217191	4/1/2012	< 0.017	< 0.017	57.9	1.4	ND
E217191	14/2/2012	0.058	0.028	80.8	35.7	ND
E217191	12/3/2012	< 0.017	< 0.017	74.8	< 1	ND
E217191	3/7/2012	< 0.017	< 0.017	31.3	3.2	ND
E217191	3/7/2012	< 0.017	< 0.017	30.9	3.4	ND
E217191	1/8/2012	< 0.017	< 0.017	34	4.7	ND
E217191	4/9/2012	< 0.017	< 0.017	40.9	1.2	ND
E223292	28/10/1998	0.01	ND	32.3	ND	2.11
E223292	5/11/1998	< 0.01	ND	26.3	ND	2.69
E223292	12/11/1998	0.01	ND	28.3	ND	1.54
E223292	18/11/1998	0.02	ND	25.9	ND	2.39
E223292	26/1/1999	0.01	ND	30.3	ND	1.15
E223292	26/1/1999	0.01	ND	30.6	ND	1.12
E223292	9/2/1999	0.02	ND	31.3	ND	1.01
E223292	31/3/1999	0.03	ND	26	< 4	0.64
E223292	15/4/1999	0.08	ND	21.2	< 4	0.71
E223292	22/4/1999	0.03	ND	15.8	6	1.26
E223292	30/4/1999	0.01	ND	18.2	< 4	0.55
E223292	5/5/1999	0.02	ND	21.3	< 4	0.66
E223292	5/5/1999	0.02	ND	19.7	< 4	0.47
E223292	11/5/1999	0.02	ND	20.4	< 4	0.64
E223292	25/5/1999	0.02	ND	24.3	< 4	0.63
E223292	22/6/1999	0.17	ND	35.1	< 4	0.63
E223292	26/7/1999	0.06	ND	39.5	4	1.51
E223292	16/8/1999	0.06	ND	40.9	15	2.7
E223292	30/9/1999	< 0.02	ND	31.5	< 4	1.16
E223292	13/10/1999	< 0.02	ND	31.6	< 4	1.21

Table A1.1. Relevant water quality data collected from reference sites used in the estimation of background cadmium concentrations in B.C. waters.

Region / Source / Station ID ¹	Date (d/m/y)	Cadmium (µg/L)		Hardness (mg CaCO ₃ /L)	TSS (mg/L)	Turbidity (NTU)
		Total	Dissolved			
<i>BCMOE (cont.)</i>						
E223292	26/10/1999	< 0.02	ND	34.8	< 4	0.67
E223292	26/10/1999	< 0.02	ND	35.5	< 4	0.64
E223292	1/11/1999	< 0.02	ND	30.2	< 4	1.17
E223292	8/11/1999	< 0.02	ND	27.9	< 4	2.65
E223292	14/12/1999	< 0.02	ND	34.5	< 4	1.24
E223292	11/7/2000	< 0.02	ND	32.5	< 4	1.58
E223292	14/8/2000	< 0.02	ND	65.4	38	46.9
E223292	6/9/2000	< 0.02	ND	36	< 4	1.74
E223292	17/10/2000	0.03	ND	38.8	11	30.5
E223292	23/10/2000	< 0.02	ND	31.8	< 4	2.23
E223292	30/10/2000	< 0.02	ND	31.7	< 4	1.32
E223292	14/3/2001	0.02	ND	42.2	< 4	2.2
E223292	21/4/2001	< 0.02	ND	21.1	< 4	1.05
E223292	26/4/2001	< 0.02	ND	21.9	< 4	0.9
E223292	1/5/2001	< 0.02	ND	22.3	< 4	0.73
E223292	9/5/2001	< 0.02	ND	24.8	< 4	0.9
E223292	16/5/2001	< 0.02	ND	27	< 4	0.84
E223292	3/7/2001	0.04	ND	43.6	< 4	0.73
E223292	10/8/2001	< 0.02	ND	37.7	< 4	1.63
E223292	12/9/2001	< 0.02	ND	47.6	< 4	1.27
E223292	23/10/2001	< 0.02	ND	29.8	< 4	1.85
E223292	7/11/2001	< 0.02	ND	31.3	< 4	0.6
E223292	13/11/2001	< 0.02	ND	31.7	< 4	0.73
E223292	21/11/2001	< 0.02	ND	33.5	< 4	0.55
E223292	21/12/2001	< 0.02	ND	33.3	< 4	1.13
E223292	11/2/2010	< 0.017	< 0.017	31.2	97	1.36
E223292	3/3/2010	< 0.017	< 0.017	29.5	92	1.84
E223292	7/10/2010	0.027	0.022	42.8	< 3	0.8
E223292	4/5/2011	0.015	0.011	20.6	4	1.61
E223292	11/5/2011	0.012	0.014	18.8	< 3	1
E223292	18/5/2011	0.051	0.02	18.8	< 3	2.32
E223292	26/5/2011	0.014	0.015	25.7	< 3	0.59
E223292	1/6/2011	0.016	0.016	29	< 3	0.8
E223292	9/6/2011	0.017	0.03	32.2	< 3	0.99
E223292	14/7/2011	0.018	0.016	40.8	< 3	0.92
E223292	4/8/2011	0.017	0.017	41.7	< 3	1.01
E223292	3/4/2012	0.023	0.016	34.8	< 3	2.1
E223292	26/4/2012	0.01	0.011	21.7	< 3	1.18
E223292	3/5/2012	0.011	0.012	24.2	< 3	0.69
E223292	10/5/2012	0.013	0.011	27.6	< 3	0.61
E223292	16/5/2012	0.012	0.013	30.1	< 3	1.15
E223292	24/5/2012	0.014	0.011	33.1	3.2	1.22
E223292	7/6/2012	0.019	0.018	29.4	< 3	1.57
E231797	22/03/2011	0.01	< 0.01	450	ND	0.65

Table A1.1. Relevant water quality data collected from reference sites used in the estimation of background cadmium concentrations in B.C. waters.

Region / Source / Station ID ¹	Date (d/m/y)	Cadmium (µg/L)		Hardness (mg CaCO ₃ /L)	TSS (mg/L)	Turbidity (NTU)
		Total	Dissolved			
<i>BCMOE (cont.)</i>						
E231797	10/05/2012	< 0.01	< 0.01	515	ND	2.15
E235290	15/12/1998	< 0.05	< 0.05	99.3	ND	ND
E235290	11/10/2001	0.02	0.02	88.4	ND	ND
E235290	11/10/2001	< 6	ND	ND	ND	ND
E235290	18/10/2001	< 0.01	< 0.01	89.2	ND	ND
E235290	25/10/2001	< 0.01	< 0.01	88.9	ND	ND
E235290	1/11/2001	< 0.01	< 0.01	88.4	ND	ND
E235290	8/11/2001	< 0.01	< 0.01	91.4	ND	ND
E235290	22/5/2002	0.05	< 0.01	48.3	ND	10.1
E235290	27/5/2002	0.03	< 0.01	48.3	ND	ND
E235290	6/6/2002	< 0.01	< 0.01	48.9	ND	2.41
E235290	10/6/2002	0.02	< 0.01	53.3	ND	1.55
E235290	17/6/2002	0.01	< 0.01	53	ND	1.2
E238118	11/10/2001	0.02	0.03	78	ND	ND
E238118	11/10/2001	< 6	ND	ND	ND	ND
E238118	18/10/2001	< 0.01	< 0.01	74.9	ND	ND
E238118	25/10/2001	< 0.01	< 0.01	75	ND	ND
E238118	1/11/2001	< 0.01	< 0.01	78.2	ND	ND
E238118	1/11/2001	< 0.01	< 0.01	76.9	ND	ND
E238118	8/11/2001	< 0.01	< 0.01	77.5	ND	ND
E238118	22/5/2002	< 0.01	< 0.01	28.7	ND	4.75
E238118	27/5/2002	< 0.01	< 0.01	35	ND	ND
E238118	6/6/2002	< 0.01	0.01	46.4	ND	2.15
E238118	6/6/2002	< 0.01	< 0.01	48	ND	2.03
E238118	10/6/2002	< 0.01	< 0.01	52.4	ND	2.64
E238118	17/6/2002	0.01	< 0.01	65.9	ND	2.97
E241765	24/10/2007	0.005	< 0.005	46	ND	ND
E241765	24/10/2007	< 0.005	< 0.005	47	ND	ND
E241765	11/9/2008	< 0.005	< 0.005	51.2	ND	0.3
E241765	11/9/2008	< 0.005	< 0.005	54	ND	0.3
E241765	28/9/2011	0.02	< 0.01	54	ND	0.2
E241765	28/9/2011	0.01	< 0.01	53.6	ND	0.2
E248567	3/6/2008	0.042	0.043	40.6	ND	ND
E248568	3/6/2008	0.011	0.007	38.5	ND	ND
E248568	28/9/2011	0.06	0.02	48.7	ND	1.3
E248569	3/6/2008	< 0.005	< 0.005	27.5	ND	11.1
E248569	3/6/2008	0.006	< 0.005	26.8	ND	ND
E248569	9/10/2008	0.023	0.008	24.1	ND	26.9
E248569	28/1/2009	0.01	< 0.005	24.3	ND	19.1
E248569	28/1/2009	0.007	< 0.005	24	ND	20.4
E248569	14/5/2009	< 0.005	< 0.005	24.5	ND	ND
E248569	21/7/2009	< 0.01	< 0.01	29.5	ND	ND
E248569	26/1/2010	0.019	< 0.005	28.4	ND	51.8
E248569	26/1/2010	0.012	< 0.005	29	ND	52.9

Table A1.1. Relevant water quality data collected from reference sites used in the estimation of background cadmium concentrations in B.C. waters.

Region / Source / Station ID ¹	Date (d/m/y)	Cadmium (µg/L)		Hardness (mg CaCO ₃ /L)	TSS (mg/L)	Turbidity (NTU)
		Total	Dissolved			
BCMOE (cont.)						
E248569	17/6/2010	< 0.01	< 0.01	31.6	ND	ND
E248569	17/6/2010	0.02	< 0.01	32	ND	ND
E248569	30/9/2010	< 0.01	0.01	27.4	ND	35.1
E248569	30/9/2010	< 0.01	< 0.01	27.9	ND	30.4
E248569	1/2/2011	0.04	< 0.01	31.1	ND	40.9
E248569	1/2/2011	0.04	< 0.01	32.3	ND	41.1
E248569	29/3/2011	0.02	< 0.01	31	ND	23.8
E248569	29/3/2011	0.02	< 0.01	31.5	ND	24.1
E248569	3/8/2011	< 0.01	< 0.01	30.2	ND	19.2
E248569	7/2/2012	0.01	< 0.01	28.5	ND	35
E248569	7/2/2012	0.03	< 0.01	29.4	ND	34.7
E248569	1/5/2012	0.027	< 0.01	29.9	ND	24.1
E285810	21/9/2011	0.04	0.02	76.7	ND	1.6
E289972	14/6/2012	0.025	0.031	16.6	ND	3.19
E289972	24/9/2012	0.029	0.035	25	ND	2.99
E290089	14/6/2012	0.012	< 0.01	16.2	ND	41.1
LOWER DENAIN CREEK	24/9/2012	0.132	0.145	54.9	ND	2.93
UPPER DENAIN CREEK	24/9/2012	0.017	0.012	35	ND	20.7
CABIN						
MOR81	11/9/2007	< 0.01	ND	ND	4	0.5
VAN24	11/9/2006	< 0.01	ND	19	4	0.8
VAN24	29/8/2011	0.012	ND	15.5	0	0.4
Skeena						
CABIN						
ATL02	18/7/2006	< 0.01	ND	80	4	3.1
BUL01	10/9/2004	< 0.01	ND	43.9	4	0.21
BUL01	21/9/2010	< 0.005	ND	41.7	0	0.2
BUL09	22/8/2003	< 0.01	ND	28.7	ND	0.36
BUL09	3/9/2004	< 0.01	ND	31.5	4	0.46
BUL09	25/8/2009	< 0.005	ND	28.4	4	0.5
BUL23	1/9/2004	< 0.01	ND	38.5	4	0.72
BUL23	25/8/2009	< 0.005	ND	33	4	ND
BUL24	26/8/2003	< 0.01	ND	57.5	ND	0.48
BUL24	31/8/2004	< 0.01	ND	53.4	4	0.37
BUL24	29/8/2005	< 0.01	ND	60	4	0.2
BUL24	25/8/2009	0.011	ND	57.9	4	0.6
BUL27	22/8/2003	< 0.01	ND	80	ND	ND
BUL27	25/8/2004	< 0.01	ND	93	4	0.9
BUL27	27/9/2010	0.011	ND	26.6	2	7.8
BUL29	24/8/2003	< 0.01	ND	ND	ND	0.59
BUL29	25/8/2004	< 0.01	ND	50.1	4	0.93

Table A1.1. Relevant water quality data collected from reference sites used in the estimation of background cadmium concentrations in B.C. waters.

Region / Source / Station ID ¹	Date (d/m/y)	Cadmium (µg/L)		Hardness (mg CaCO ₃ /L)	TSS (mg/L)	Turbidity (NTU)
		Total	Dissolved			
<i>CABIN (cont.)</i>						
BUL31	27/8/2004	< 0.01	ND	59	4	0.98
BUL31	28/8/2005	< 0.01	ND	51	4	0.6
BUL31	24/8/2010	< 0.005	ND	48.6	0	0.9
BUL48	1/9/2004	0.04	ND	18.4	35	10.3
BUL48	24/8/2010	0.032	ND	12.1	28	30.5
BUL60	7/9/2005	< 0.01	ND	44	4	0.6
BUL61	6/9/2005	< 0.01	ND	32	4	0.4
BUL62	6/9/2005	0.05	ND	56	4	0.8
BUL64	31/8/2005	< 0.01	ND	88	4	0.2
BUL66	6/9/2005	< 0.01	ND	26	4	0.2
BUL66	16/9/2009	< 0.005	ND	18	4	0.2
BULK001	2/9/2008	0.048	ND	8.4	38	5.6
FRAN005	31/8/2011	0.006	ND	125	0	1.2
ISKR001	1/9/2009	0.024	ND	84.8	30	30.7
ISKR002	1/9/2009	0.013	ND	73.1	21	11.2
KAL01	16/9/2004	< 0.01	ND	39.6	4	0.66
KAL01	15/9/2010	< 0.005	ND	41	0	0.5
KAL36	23/8/2005	0.11	ND	46	37	ND
KAL36	23/8/2005	0.11	ND	46	36	ND
KAL38	23/8/2005	0.07	ND	24	96	57
KIS03	27/8/2004	< 0.01	ND	39.8	6	5.27
KIS04	26/8/2004	< 0.01	ND	43.4	4	0.76
KIS07	2/9/2004	< 0.01	ND	28.5	4	6.48
KIS07	16/9/2009	0.0006	ND	33.2	4	3.3
KIS13	27/8/2003	< 0.01	ND	76.2	ND	0.35
KIS13	30/8/2004	< 0.01	ND	78.3	5	0.86
KIS13	13/9/2008	0.008	ND	65.6	4	0.3
KIS14	25/8/2003	< 0.01	ND	42	ND	0.16
KIS14	30/8/2004	< 0.01	ND	38.4	4	0.34
KIS15	25/8/2003	< 0.01	ND	39.6	ND	0.13
KIS15	30/8/2004	< 0.01	ND	35.9	4	0.32
KIS15	28/9/2010	0.017	ND	38	0	0.1
KIS16	23/8/2003	< 0.01	ND	87.1	ND	0.37
KIS16	25/8/2004	0.04	ND	107	4	0.23
KIS16	1/9/2005	< 0.01	ND	84	4	0.8
KIS16	13/9/2008	< 0.005	ND	78.3	4	0.2
KIS22	30/8/2004	< 0.01	ND	106	4	0.78
KIS22	28/9/2010	0.013	ND	ND	0	2.6
KIS40	20/8/2003	< 0.01	ND	25.1	ND	0.3
KIS40	1/9/2004	0.03	ND	23.8	22	10.9
KIS40	1/9/2005	0.04	ND	25	4	0.5
KIS40	13/9/2008	0.01	ND	20.8	4	0.3
KLAR001	29/8/2008	0.009	ND	115	11	6.2
KLAR002	29/8/2008	0.008	ND	112	6	2.4

Table A1.1. Relevant water quality data collected from reference sites used in the estimation of background cadmium concentrations in B.C. waters.

Region / Source / Station ID ¹	Date (d/m/y)	Cadmium (µg/L)		Hardness (mg CaCO ₃ /L)	TSS (mg/L)	Turbidity (NTU)
		Total	Dissolved			
<i>CABIN (cont.)</i>						
KLP01	11/8/2004	< 0.01	ND	10.3	14	58.9
KLP01	14/8/2005	< 0.01	ND	22	111	295
KLP02	16/8/2005	< 0.01	ND	4.2	4	0.9
KLP03	10/9/2004	< 0.01	ND	4	4	0.92
KLP03	13/8/2005	< 0.01	ND	4.2	4	0.3
KLP04	17/8/2005	< 0.01	ND	3.2	4	0.8
KLP05	14/8/2005	< 0.01	ND	4	4	2
KLP06	10/9/2004	< 0.01	ND	7	4	1.03
KLP06	14/8/2005	< 0.01	ND	9.2	4	0.7
KLP08	13/8/2005	< 0.01	ND	6.6	4	1.4
KLP09	14/8/2005	< 0.01	ND	2	4	0.2
KLP10	14/8/2005	< 0.01	ND	13	4	0.8
KLP13	13/8/2005	< 0.01	ND	2.6	4	4.2
KLP14	13/8/2005	< 0.01	ND	1.8	4	0.8
KLP15	14/8/2005	< 0.01	ND	3.8	4	0.7
KPN01	21/8/2006	< 0.01	ND	110	4	0.4
KPN02	21/8/2006	< 0.01	ND	160	9	4.1
KPN05	22/8/2006	< 0.01	ND	110	4	1.6
KPN06	22/8/2006	0.02	ND	270	4	0.3
KTM03	12/8/2004	< 0.01	ND	33.8	4	0.23
KTM06	17/8/2004	0.03	ND	15.6	36	34.6
KTM06	15/9/2010	< 0.005	ND	14.3	0	0.3
LAK04	13/9/2004	< 0.01	ND	61.8	4	0.65
LAK21	14/9/2004	< 0.01	ND	31.8	4	8.85
LAK32	13/9/2005	< 0.01	ND	63	4	1.2
LBIR001	20/8/2008	0.049	ND	40.9	140	120
LBIR002	20/8/2008	0.008	ND	28.3	9	12.1
LBIR006	31/8/2009	0.015	ND	26	19	15.2
LNAR004	29/8/2008	0.009	ND	46.5	7	3.4
LSTR002	21/8/2008	0.151	ND	96.8	340	249
LSTR003	22/8/2008	0.123	ND	82.5	220	192
MESC001	4/9/2008	< 0.005	ND	107	4	0.4
MESC002	4/9/2008	0.007	ND	53.9	19	7.7
MESC003	5/9/2008	0.009	ND	49.7	12	13
MESC004	5/9/2008	0.011	ND	132	22	14.3
MOR06	8/9/2004	< 0.01	ND	10.4	19	2.15
MOR06	30/8/2005	< 0.01	ND	12	4	1.6
MOR06	23/8/2011	< 0.005	ND	10	0	2.2
MOR07	8/9/2004	< 0.01	ND	13.5	4	1.52
MOR07	23/8/2011	< 0.005	ND	12	0	0.1
MOR08	8/9/2004	< 0.01	ND	12.6	4	2.5
MOR08	23/8/2011	0.012	ND	16	0	3.2
MOR34	8/9/2004	0.13	ND	39.8	4	4.9
MOR34	1/9/2009	0.081	ND	43.8	4	1.2

Table A1.1. Relevant water quality data collected from reference sites used in the estimation of background cadmium concentrations in B.C. waters.

Region / Source / Station ID ¹	Date (d/m/y)	Cadmium (µg/L)		Hardness (mg CaCO ₃ /L)	TSS (mg/L)	Turbidity (NTU)
		Total	Dissolved			
<i>CABIN (cont.)</i>						
MOR34	1/9/2009	0.076	ND	42	4	1.3
MOR39	15/9/2004	< 0.01	ND	22.5	4	1.05
MOR39	20/9/2011	< 0.005	ND	21.5	0	0.4
MOR40	7/9/2004	< 0.01	ND	46.5	4	0.16
MOR40	7/9/2011	< 0.005	ND	37.9	0	0.1
MOR41	7/9/2004	< 0.01	ND	46.3	4	0.18
MOR41	31/8/2009	< 0.005	ND	42.7	4	0.2
MOR42	7/9/2004	< 0.01	ND	60.2	4	0.17
MOR42	7/9/2011	< 0.005	ND	49.6	0	0
MOR61	31/8/2005	< 0.01	ND	35	4	6.9
MOR62	31/8/2005	< 0.01	ND	36	4	0.4
MOR62	31/8/2009	< 0.005	ND	27.6	4	0.3
MOR67	29/8/2005	< 0.01	ND	39	4	0.7
MOR67	20/9/2011	< 0.005	ND	35.4	0	0.4
MOR68	30/8/2005	0.05	ND	30	4	1.9
MOR69	8/9/2005	< 0.01	ND	6	4	0.7
MOR69	29/8/2011	0.007	ND	6	0	0.2
MOR73	29/8/2005	< 0.01	ND	56	4	0.4
MOR73	20/9/2011	< 0.005	ND	49.3	0	0.3
MOR74	8/9/2005	0.03	ND	49	ND	0.7
MOR74	29/8/2011	0.02	ND	37.8	0	0.3
MOR77	12/9/2007	< 0.01	ND	36.7	4	0.1
MOR78	11/9/2007	< 0.01	ND	37.9	4	0.5
MOR79	11/9/2007	< 0.01	ND	16.6	4	0.6
MOR80	11/9/2007	0.02	ND	21.6	4	1.1
MOR82	12/9/2007	< 0.01	ND	10.1	4	0.7
MOR83	12/9/2007	< 0.01	ND	16.2	4	0.6
NOC01	24/8/2005	< 0.01	ND	7.5	4	0.2
NOC02	24/8/2005	0.02	ND	8.1	4	0.3
NOC03	23/8/2005	0.02	ND	10	4	0.3
NOC04	21/8/2005	< 0.01	ND	12	4	0.7
NOC05	24/8/2005	0.02	ND	9.2	5	0.8
NOC06	24/8/2005	0.04	ND	7.1	4	0.3
NOC08	23/8/2005	< 0.01	ND	8.7	4	0.7
NOC09	24/8/2005	< 0.01	ND	3.7	4	0.6
NOC10	21/8/2005	< 0.01	ND	2.6	4	0.6
NOC11	23/8/2005	< 0.01	ND	18	4	0.2
STIR001	4/9/2008	< 0.005	ND	46.2	4	3.5
UBIR001	21/8/2008	0.008	ND	44.3	6	9
UBIR002	20/8/2008	< 0.005	ND	108	4	0.4
UBIR006	1/9/2009	0.016	ND	122	5	2.8
UISR001	22/8/2008	0.077	ND	89.5	77	51.6
UNAR001	29/8/2008	0.006	ND	42.4	4	1.4
UNUR001	21/8/2008	0.038	ND	29	87	57.6

Table A1.1. Relevant water quality data collected from reference sites used in the estimation of background cadmium concentrations in B.C. waters.

Region / Source / Station ID ¹	Date (d/m/y)	Cadmium (µg/L)		Hardness (mg CaCO ₃ /L)	TSS (mg/L)	Turbidity (NTU)
		Total	Dissolved			
<i>CABIN (cont.)</i>						
UNUR003	21/8/2008	0.008	ND	52.3	11	5.6
UNUR003	21/8/2008	0.012	ND	52.5	12	7.4
USKE001	28/8/2008	< 0.005	ND	23.4	4	2
USKE002	28/8/2008	< 0.005	ND	26.7	5	3.4
USKE003	28/8/2008	< 0.005	ND	26.1	4	2
VAN01	13/9/2005	< 0.01	ND	43	4	2.4
VAN15	11/9/2006	< 0.01	ND	71	2	4.3
VAN15	29/8/2011	0.012	ND	52.8	0	2.9
VAN18	11/9/2006	< 0.01	ND	37	4	2.2
VAN18	29/8/2011	< 0.005	ND	26	0	1.4
VAN25	7/9/2006	< 0.01	ND	110	4	0.4
VAN30	30/8/2006	< 0.01	ND	140	ND	ND
VAN33	11/9/2006	< 0.01	ND	23	4	2
VAN35	13/9/2007	0.02	ND	62.9	4	1.1
<i>Environment Canada</i>						
YT08AA0010	16/3/2003	0.011	ND	ND	ND	4.04
YT08AA0010	30/3/2003	0.011	ND	ND	ND	4.1
YT08AA0010	14/4/2003	0.013	ND	ND	ND	10.4
YT08AA0010	29/4/2003	0.034	ND	ND	ND	70.1
YT08AA0010	12/5/2003	0.033	ND	ND	ND	54.2
YT08AA0010	26/5/2003	0.037	ND	ND	ND	62.4
YT08AA0010	9/6/2003	0.035	ND	ND	ND	63.7
YT08AA0010	23/6/2003	0.073	ND	ND	ND	124
YT08AA0010	7/7/2003	0.023	ND	ND	ND	31.7
YT08AA0010	21/7/2003	0.023	ND	ND	ND	45.8
YT08AA0010	4/8/2003	0.057	ND	ND	ND	4.62
YT08AA0010	19/8/2003	0.002	ND	ND	ND	3.97
YT08AA0010	2/9/2003	0.012	ND	ND	ND	2.07
YT08AA0010	16/9/2003	0.004	ND	ND	ND	2.2
YT08AA0010	30/9/2003	0.001	ND	ND	ND	2.45
YT08AA0010	14/10/2003	< 0.001	ND	ND	ND	2.58
YT08AA0010	27/10/2003	0.01	ND	ND	ND	10.9
YT08AA0010	11/11/2003	0.017	ND	ND	ND	3.23
YT08AA0010	24/11/2003	< 0.001	ND	ND	ND	2.92
YT08AA0010	7/12/2003	< 0.001	ND	ND	ND	2.34
YT08AA0010	22/12/2003	0.012	ND	ND	ND	2.73
YT08AA0010	5/1/2004	0.013	ND	ND	ND	2.08
YT08AA0010	19/1/2004	0.014	ND	ND	ND	2.24
YT08AA0010	2/2/2004	0.016	ND	ND	ND	3.56
YT08AA0010	29/2/2004	0.02	ND	ND	ND	2.06
YT08AA0010	14/3/2004	0.009	ND	ND	ND	3.88
YT08AA0010	29/3/2004	0.013	ND	ND	ND	6.56
YT08AA0010	13/4/2004	0.017	ND	ND	ND	10.7

Table A1.1. Relevant water quality data collected from reference sites used in the estimation of background cadmium concentrations in B.C. waters.

Region / Source / Station ID ¹	Date (d/m/y)	Cadmium (µg/L)		Hardness (mg CaCO ₃ /L)	TSS (mg/L)	Turbidity (NTU)
		Total	Dissolved			
<i>Environment Canada (cont.)</i>						
YT08AA0010	26/4/2004	0.016	ND	ND	ND	22
YT08AA0010	11/5/2004	0.048	ND	ND	ND	102
YT08AA0010	24/5/2004	0.044	ND	ND	ND	74.6
YT08AA0010	8/6/2004	0.03	ND	ND	ND	54.2
YT08AA0010	21/6/2004	0.023	ND	ND	ND	62.7
YT08AA0010	5/7/2004	0.03	ND	ND	ND	48.4
YT08AA0010	21/7/2004	0.009	ND	ND	ND	8.94
YT08AA0010	3/8/2004	0.003	ND	ND	ND	8.06
YT08AA0010	17/8/2004	0.005	ND	ND	ND	8.71
YT08AA0010	30/8/2004	0.007	ND	ND	ND	5.38
YT08AA0010	27/9/2004	0.007	ND	ND	ND	2.71
YT08AA0010	12/10/2004	0.006	ND	ND	ND	3.1
YT08AA0010	25/10/2004	0.017	ND	ND	ND	4.85
YT08AA0010	8/11/2004	0.017	ND	ND	ND	1.3
YT08AA0010	22/11/2004	0.016	ND	ND	ND	3.11
YT08AA0010	5/12/2004	0.012	ND	ND	ND	2.9
YT08AA0010	20/12/2004	0.03	ND	ND	ND	5.86
YT08AA0010	5/1/2005	0.017	ND	ND	ND	4.14
YT08AA0010	17/1/2005	0.019	ND	ND	ND	4.53
YT08AA0010	31/1/2005	0.016	ND	ND	ND	3.7
YT08AA0010	14/2/2005	0.014	ND	ND	ND	3.74
YT08AA0010	28/2/2005	0.011	ND	ND	ND	3.2
YT08AA0010	14/3/2005	0.013	ND	ND	ND	7.56
YT08AA0010	28/3/2005	0.013	ND	ND	ND	3.39
YT08AA0010	11/4/2005	0.014	ND	ND	ND	6.81
YT08AA0010	25/4/2005	0.031	ND	ND	ND	39.1
YT08AA0010	9/5/2005	0.037	ND	ND	ND	53.2
YT08AA0010	24/5/2005	0.022	ND	ND	ND	44.6
YT08AA0010	5/6/2005	0.248	ND	ND	ND	445
YT08AA0010	20/6/2005	0.045	ND	ND	ND	102
YT08AA0010	4/7/2005	0.028	ND	ND	ND	53.9
YT08AA0010	17/7/2005	0.016	ND	ND	ND	21.8
YT08AA0010	2/8/2005	0.013	ND	ND	ND	12.4
YT08AA0010	15/8/2005	0.008	ND	ND	ND	9.69
YT08AA0010	29/8/2005	0.01	ND	ND	ND	4.67
YT08AA0010	12/9/2005	0.025	ND	ND	ND	6.35
YT08AA0010	26/9/2005	0.054	ND	ND	ND	17.6
YT08AA0010	11/10/2005	0.009	ND	ND	ND	3.1
YT08AA0010	24/10/2005	0.008	ND	ND	ND	6.33
YT08AA0010	7/11/2005	0.001	ND	ND	ND	3.23
YT08AA0010	22/11/2005	0.007	ND	ND	ND	14.1
YT08AA0010	5/12/2005	0.007	ND	ND	ND	3.91
YT08AA0010	19/12/2005	0.012	ND	ND	ND	3.86
YT08AA0010	2/1/2006	0.007	ND	ND	ND	2.95

Table A1.1. Relevant water quality data collected from reference sites used in the estimation of background cadmium concentrations in B.C. waters.

Region / Source / Station ID ¹	Date (d/m/y)	Cadmium (µg/L)		Hardness (mg CaCO ₃ /L)	TSS (mg/L)	Turbidity (NTU)
		Total	Dissolved			
<i>Environment Canada (cont.)</i>						
YT08AA0010	17/1/2006	0.006	ND	ND	ND	3.15
YT08AA0010	30/1/2006	0.01	ND	ND	ND	3.6
YT08AA0010	13/2/2006	0.013	ND	ND	ND	5.27
YT08AA0010	12/3/2006	0.009	ND	ND	ND	2.74
YT08AA0010	27/3/2006	0.009	ND	ND	ND	3.89
YT08AA0010	11/4/2006	0.011	ND	ND	ND	9.58
YT08AA0010	24/4/2006	0.013	ND	ND	ND	15.2
YT08AA0010	8/5/2006	0.034	ND	ND	ND	54.2
YT08AA0010	23/5/2006	0.11	ND	ND	ND	279
YT08AA0010	5/6/2006	0.087	ND	ND	ND	254
YT08AA0010	19/6/2006	0.052	ND	ND	ND	126
YT08AA0010	4/7/2006	0.026	ND	ND	ND	58.1
YT08AA0010	17/7/2006	0.024	ND	ND	ND	48.1
YT08AA0010	30/7/2006	0.016	ND	ND	ND	37.3
YT08AA0010	9/8/2006	0.016	ND	ND	ND	25.2
YT08AA0010	14/8/2006	0.014	ND	ND	ND	12
YT08AA0010	28/8/2006	0.007	ND	ND	ND	6.74
YT08AA0010	11/9/2006	0.007	ND	ND	ND	4.69
YT08AA0010	25/9/2006	0.006	ND	ND	ND	1.4
YT08AA0010	11/10/2006	0.01	ND	ND	ND	< 0.1
YT08AA0010	23/10/2006	0.007	ND	ND	ND	2.5
YT08AA0010	7/11/2006	0.019	ND	ND	ND	3.63
YT08AA0010	19/11/2006	0.007	ND	ND	ND	2.35
YT08AA0010	3/12/2006	0.016	ND	ND	ND	2.74
YT08AA0010	18/12/2006	0.015	ND	ND	ND	1.8
YT08AA0010	2/1/2007	0.006	ND	ND	ND	2.32
YT08AA0010	16/1/2007	0.007	ND	ND	ND	1.15
YT08AA0010	30/1/2007	0.007	ND	ND	ND	2.12
YT08AA0010	11/2/2007	0.007	ND	ND	ND	3.08
YT08AA0010	12/3/2007	0.011	ND	ND	ND	10.3
YT08AA0010	28/3/2007	0.008	ND	ND	ND	11.5
YT08AA0010	9/4/2007	0.009	ND	ND	ND	12.4
YT08AA0010	25/4/2007	0.016	ND	ND	ND	26.8
YT08AA0010	7/5/2007	0.096	ND	ND	ND	147
YT08AA0010	23/5/2007	0.084	ND	ND	ND	91.5
YT08AA0010	20/6/2007	0.042	ND	ND	ND	72.1
YT08AA0010	3/7/2007	0.03	ND	ND	ND	76.4
YT08AA0010	17/7/2007	0.114	ND	ND	ND	427
YT08AA0010	1/8/2007	0.017	ND	ND	ND	37.9
YT08AA0010	15/8/2007	0.014	ND	ND	ND	30.7
YT08AA0010	29/8/2007	0.008	ND	ND	ND	8.8
YT08AA0010	12/9/2007	0.007	ND	ND	ND	8.04
YT08AA0010	26/9/2007	0.007	ND	ND	ND	6.61
YT08AA0010	10/10/2007	0.01	ND	ND	ND	17.1

Table A1.1. Relevant water quality data collected from reference sites used in the estimation of background cadmium concentrations in B.C. waters.

Region / Source / Station ID ¹	Date (d/m/y)	Cadmium (µg/L)		Hardness (mg CaCO ₃ /L)	TSS (mg/L)	Turbidity (NTU)
		Total	Dissolved			
<i>Environment Canada (cont.)</i>						
YT08AA0010	24/10/2007	0.007	ND	ND	ND	3.46
YT08AA0010	4/12/2007	0.007	ND	ND	ND	2.83
YT08AA0010	18/12/2007	0.006	ND	ND	ND	4.26
YT08AA0010	9/1/2008	0.007	ND	ND	ND	0.38
YT08AA0010	16/1/2008	0.016	ND	ND	ND	4.04
YT08AA0010	11/2/2008	0.007	ND	ND	ND	5.84
YT08AA0010	20/2/2008	0.006	ND	ND	ND	4.52
YT08AA0010	5/3/2008	0.008	ND	ND	ND	4.66
YT08AA0010	12/3/2008	0.013	ND	ND	ND	4.9
YT08AA0010	26/3/2008	0.011	ND	ND	ND	4.01
YT08AA0010	9/4/2008	0.009	ND	ND	ND	8.4
YT08AA0010	23/4/2008	0.02	ND	ND	ND	29.2
YT08AA0010	7/5/2008	0.093	ND	ND	ND	248
YT08AA0010	20/5/2008	0.032	ND	ND	ND	69
YT08AA0010	4/6/2008	0.022	ND	ND	ND	25
YT08AA0010	18/6/2008	0.028	ND	ND	ND	41
YT08AA0010	1/7/2008	0.013	ND	ND	ND	19
YT08AA0010	16/7/2008	0.048	ND	ND	ND	108
YT08AA0010	30/7/2008	0.009	ND	ND	ND	7.62
YT08AA0010	6/8/2008	0.009	ND	ND	ND	1.07
YT08AA0010	13/8/2008	0.008	ND	ND	ND	3.28
YT08AA0010	27/8/2008	0.02	ND	ND	ND	28.6
YT08AA0010	10/9/2008	0.01	ND	ND	ND	12.5
YT08AA0010	23/9/2008	0.008	ND	ND	ND	3.4
YT08AA0010	8/10/2008	0.008	ND	ND	ND	5.22
YT08AA0010	22/10/2008	0.01	ND	ND	ND	8.8
YT08AA0010	5/11/2008	0.007	ND	ND	ND	2.69
YT08AA0010	19/11/2008	0.01	ND	ND	ND	5.9
YT08AA0010	3/12/2008	0.007	ND	ND	ND	2.58
YT08AA0010	17/12/2008	0.007	ND	ND	ND	3.31
YT08AA0010	14/1/2009	0.007	ND	ND	ND	3.9
YT08AA0010	28/1/2009	0.007	ND	ND	ND	4.36
YT08AA0010	11/2/2009	0.007	ND	ND	ND	5.95
YT08AA0010	24/2/2009	0.007	ND	ND	ND	3.85
YT08AA0010	10/3/2009	0.006	ND	ND	ND	5.17
YT08AA0010	25/3/2009	0.006	ND	ND	ND	3.48
YT08AA0010	7/4/2009	0.008	ND	ND	ND	5.52
YT08AA0010	22/4/2009	0.012	ND	ND	ND	16.2
YT08AA0010	6/5/2009	0.224	ND	ND	ND	400
YT08AA0010	20/5/2009	0.043	ND	ND	ND	37.4
YT08AA0010	3/6/2009	0.041	ND	ND	ND	51.3
YT08AA0010	17/6/2009	0.049	ND	ND	ND	87.7
YT08AA0010	2/7/2009	0.015	ND	ND	ND	24.6
YT08AA0010	15/7/2009	0.024	ND	ND	ND	57.1

Table A1.1. Relevant water quality data collected from reference sites used in the estimation of background cadmium concentrations in B.C. waters.

Region / Source / Station ID ¹	Date (d/m/y)	Cadmium (µg/L)		Hardness (mg CaCO ₃ /L)	TSS (mg/L)	Turbidity (NTU)
		Total	Dissolved			
<i>Environment Canada (cont.)</i>						
YT08AA0010	29/7/2009	0.014	ND	ND	ND	25.9
YT08AA0010	12/8/2009	0.009	ND	ND	ND	9.63
YT08AA0010	23/9/2009	0.007	ND	ND	ND	4.51
YT08AA0010	7/10/2009	0.007	ND	ND	ND	5.52
YT08AA0010	21/10/2009	0.008	ND	ND	ND	5.12
YT08AA0010	4/11/2009	0.007	ND	ND	ND	4.64
YT08AA0010	16/11/2009	0.054	ND	ND	ND	62.1
YT08AA0010	2/12/2009	0.008	ND	ND	ND	5.92
YT08AA0010	16/12/2009	0.008	ND	ND	ND	3.98
YT08AA0010	13/1/2010	0.01	ND	ND	ND	4.93
YT08AA0010	27/1/2010	0.008	ND	ND	ND	5.53
YT08AA0010	9/2/2010	0.009	ND	ND	ND	7.22
YT08AA0010	10/3/2010	0.007	ND	ND	ND	4.76
YT08AA0010	24/3/2010	0.007	ND	ND	ND	0.37
YT08AA0010	7/4/2010	0.009	ND	ND	ND	6.99
YT08AA0010	21/4/2010	0.015	ND	ND	ND	22.9
YT08AA0010	5/5/2010	0.058	ND	ND	ND	81
YT08AA0010	19/5/2010	0.023	ND	ND	ND	23.3
YT08AA0010	2/6/2010	0.026	ND	ND	ND	36
YT08AA0010	16/6/2010	0.013	ND	ND	ND	12.6
YT08AA0010	30/6/2010	0.01	ND	ND	ND	11.1
YT08AA0010	14/7/2010	0.006	ND	ND	ND	8.64
YT08AA0010	28/7/2010	0.008	ND	ND	ND	6.01
YT08AA0010	11/8/2010	0.007	ND	ND	ND	4.65
YT08AA0010	25/8/2010	0.007	ND	ND	ND	9.49
YT08AA0010	8/9/2010	0.007	ND	ND	ND	4.97
YT08AA0010	22/9/2010	0.006	ND	ND	ND	3.8
YT08AA0010	3/10/2010	0.006	ND	ND	ND	4.43
YT08AA0010	20/10/2010	0.008	ND	ND	ND	9.52
YT08AA0010	3/11/2010	0.008	ND	ND	ND	5.17
YT08AA0010	17/11/2010	0.014	ND	ND	ND	2.32
YT08AA0010	1/12/2010	0.027	ND	ND	ND	42.7
YT08AA0010	15/12/2010	0.02	ND	ND	ND	20.9
YT08AA0010	5/1/2011	0.007	ND	ND	ND	2.99
YT08AA0010	12/1/2011	0.005	ND	ND	ND	2.02
YT08AA0010	26/1/2011	0.006	ND	ND	ND	3
YT08AA0010	9/2/2011	0.007	ND	ND	ND	3.01
YT08AA0010	9/3/2011	0.005	ND	ND	ND	2.11
YT08AA0010	23/3/2011	0.005	ND	ND	ND	2.86
YT08AA0010	6/4/2011	0.013	ND	ND	ND	5.13
YT08AA0010	20/4/2011	0.009	ND	ND	ND	6.04
YT08AA0010	4/5/2011	0.053	ND	ND	ND	90.9
YT08AA0010	18/5/2011	0.022	ND	ND	ND	24.5
YT08AA0010	1/6/2011	0.083	ND	ND	ND	167

Table A1.1. Relevant water quality data collected from reference sites used in the estimation of background cadmium concentrations in B.C. waters.

Region / Source / Station ID ¹	Date (d/m/y)	Cadmium (µg/L)		Hardness (mg CaCO ₃ /L)	TSS (mg/L)	Turbidity (NTU)
		Total	Dissolved			
<i>Environment Canada (cont.)</i>						
YT08AA0010	29/6/2011	0.019	ND	ND	ND	41.7
YT08AA0010	13/7/2011	0.01	ND	ND	ND	12.9
YT08AA0010	27/7/2011	0.009	ND	ND	ND	11.1
YT08AA0010	10/8/2011	0.004	ND	ND	ND	17.5
YT08AA0010	24/8/2011	0.054	ND	ND	ND	126
YT08AA0010	7/9/2011	0.022	ND	ND	ND	30.7
YT08AA0010	5/10/2011	0.046	ND	ND	ND	11
YT08AA0010	19/10/2011	0.013	ND	ND	ND	11.6
YT08AA0010	2/11/2011	0.007	ND	ND	ND	8.22
YT08AA0010	16/11/2011	0.022	ND	ND	ND	18.9
YT08AA0010	14/12/2011	0.038	ND	ND	ND	20.2
YT08AA0010	11/1/2012	0.006	ND	ND	ND	2.74
YT08AA0010	8/2/2012	0.007	ND	ND	ND	5.34
YT08AA0010	7/3/2012	0.007	ND	ND	ND	5.14
YT08AA0010	4/4/2012	0.007	ND	ND	ND	7.01
YT08AA0010	2/5/2012	0.053	ND	ND	ND	72.4
YT08AA0010	30/5/2012	0.033	ND	ND	ND	38.7
YT08AB0009	9/4/2003	0.013	ND	ND	ND	11
YT08AB0009	23/5/2003	0.056	ND	ND	ND	25.9
YT08AB0009	19/6/2003	0.051	ND	ND	ND	68.9
YT08AB0009	25/2/2004	0.04	ND	ND	ND	7.72
YT08AB0009	18/8/2004	0.069	ND	ND	ND	82.1
YT08AB0009	26/10/2004	0.052	ND	ND	ND	75.7
YT08AB0009	20/1/2005	0.027	ND	ND	ND	15.6
YT08AB0009	17/5/2005	0.028	ND	ND	ND	15.4
YT08AB0009	15/7/2005	0.027	ND	ND	ND	58.8
YT08AB0009	8/9/2005	0.035	ND	ND	ND	112
YT08AB0009	3/2/2006	0.013	ND	ND	ND	11.4
YT08AB0009	19/4/2006	0.017	ND	ND	ND	18.7
YT08AB0009	20/6/2006	0.039	ND	ND	ND	72.7
YT08AB0009	17/8/2006	0.025	ND	ND	ND	44.7
YT08AB0009	11/10/2006	0.106	ND	ND	ND	100
YT08AB0009	13/12/2006	0.017	ND	ND	ND	11.2
YT08AB0009	13/3/2007	0.013	ND	ND	ND	2.22
YT08AB0009	31/5/2007	0.032	ND	ND	ND	37.6
YT08AB0009	18/7/2007	0.053	ND	ND	ND	78
YT08AB0009	31/8/2007	0.029	ND	ND	ND	63.3
YT08AB0009	6/12/2007	0.01	ND	ND	ND	14.7
YT08AB0009	23/1/2008	0.008	ND	ND	ND	9.81
YT08AB0009	11/4/2008	0.01	ND	ND	ND	4.66
YT08AB0009	28/5/2008	0.023	ND	ND	ND	27.3
YT08AB0009	14/7/2008	0.026	ND	ND	ND	43.3
YT08AB0009	9/10/2008	0.021	ND	ND	ND	37.4
YT08AB0009	17/12/2008	0.01	ND	ND	ND	6.2

Table A1.1. Relevant water quality data collected from reference sites used in the estimation of background cadmium concentrations in B.C. waters.

Region / Source / Station ID ¹	Date (d/m/y)	Cadmium (µg/L)		Hardness (mg CaCO ₃ /L)	TSS (mg/L)	Turbidity (NTU)
		Total	Dissolved			
<i>Environment Canada (cont.)</i>						
YT08AB0009	23/2/2009	0.01	ND	ND	ND	5.38
YT08AB0009	23/5/2009	0.07	ND	ND	ND	148
YT08AB0009	25/6/2009	0.033	ND	ND	ND	70.4
YT08AB0009	15/7/2009	0.045	ND	ND	ND	123
YT08AB0009	15/10/2009	0.034	ND	ND	ND	98.6
YT08AB0009	16/12/2009	0.014	ND	ND	ND	39.7
YT08AB0009	5/2/2010	0.011	ND	ND	ND	19.1
YT08AB0009	6/4/2010	0.021	ND	ND	ND	18.5
YT08AB0009	28/5/2010	0.039	ND	ND	ND	60.2
YT08AB0009	28/7/2010	0.14	ND	ND	ND	518
YT08AB0009	6/10/2010	0.075	ND	ND	ND	216
YT08AB0009	9/12/2010	0.007	ND	ND	ND	20.2
YT08AB0009	14/3/2011	0.021	ND	ND	ND	8.94
YT08AB0009	2/6/2011	0.031	ND	ND	ND	60.6
YT08AB0009	21/7/2011	0.046	ND	ND	ND	227
YT08AB0009	29/9/2011	0.031	ND	ND	ND	89.4
YT08AB0009	2/12/2011	0.012	ND	ND	ND	27.8
YT08AB0009	26/1/2012	0.006	ND	ND	ND	6.34
YT08AB0009	19/4/2012	0.013	ND	ND	ND	10.5
YT08AB0009	28/5/2012	0.026	ND	ND	ND	27.1
YT10AA0001	24/3/2003	0.018	ND	ND	ND	0.61
YT10AA0001	23/4/2003	0.015	ND	ND	ND	1.8
YT10AA0001	21/5/2003	0.018	ND	ND	ND	4.73
YT10AA0001	11/6/2003	0.037	ND	ND	ND	10.3
YT10AA0001	8/7/2003	0.031	ND	ND	ND	13.2
YT10AA0001	29/7/2003	0.011	ND	ND	ND	2.58
YT10AA0001	13/8/2003	0.01	ND	ND	ND	1.65
YT10AA0001	27/8/2003	0.012	ND	ND	ND	0.09
YT10AA0001	17/9/2003	< 0.001	ND	ND	ND	0.13
YT10AA0001	15/10/2003	< 0.001	ND	ND	ND	0.36
YT10AA0001	26/11/2003	0.027	ND	ND	ND	0.53
YT10AA0001	10/12/2003	0.028	ND	ND	ND	0.53
YT10AA0001	7/1/2004	0.019	ND	ND	ND	0.42
YT10AA0001	21/1/2004	0.037	ND	ND	ND	0.38
YT10AA0001	12/2/2004	0.022	ND	ND	ND	0.47
YT10AA0001	25/2/2004	0.016	ND	ND	ND	0.37
YT10AA0001	17/3/2004	0.022	ND	ND	ND	0.44
YT10AA0001	31/3/2004	0.014	ND	ND	ND	0.46
YT10AA0001	21/4/2004	0.012	ND	ND	ND	1.2
YT10AA0001	12/5/2004	0.019	ND	ND	ND	2.6
YT10AA0001	26/5/2004	0.083	ND	ND	ND	55.3
YT10AA0001	14/6/2004	0.031	ND	ND	ND	14
YT10AA0001	30/6/2004	0.014	ND	ND	ND	3.73
YT10AA0001	26/7/2004	0.009	ND	ND	ND	1.58

Table A1.1. Relevant water quality data collected from reference sites used in the estimation of background cadmium concentrations in B.C. waters.

Region / Source / Station ID ¹	Date (d/m/y)	Cadmium (µg/L)		Hardness (mg CaCO ₃ /L)	TSS (mg/L)	Turbidity (NTU)
		Total	Dissolved			
<i>Environment Canada (cont.)</i>						
YT10AA0001	12/8/2004	0.004	ND	ND	ND	0.57
YT10AA0001	21/8/2004	0.007	ND	ND	ND	0.76
YT10AA0001	13/9/2004	0.007	ND	ND	ND	0.56
YT10AA0001	18/10/2004	0.015	ND	ND	ND	0.64
YT10AA0001	10/11/2004	0.011	ND	ND	ND	0.35
YT10AA0001	29/11/2004	0.019	ND	ND	ND	0.8
YT10AA0001	15/12/2004	0.018	ND	ND	ND	0.97
YT10AA0001	31/1/2005	0.015	ND	ND	ND	0.37
YT10AA0001	2/3/2005	0.014	ND	ND	ND	0.21
YT10AA0001	6/4/2005	0.015	ND	ND	ND	1.07
YT10AA0001	25/5/2005	0.055	ND	ND	ND	37.4
YT10AA0001	8/6/2005	0.039	ND	ND	ND	21.9
YT10AA0001	28/6/2005	0.015	ND	ND	ND	3.51
YT10AA0001	18/7/2005	0.014	ND	ND	ND	2.29
YT10AA0001	9/8/2005	0.011	ND	ND	ND	1.37
YT10AA0001	27/8/2005	0.01	ND	ND	ND	1.8
YT10AA0001	12/9/2005	0.012	ND	ND	ND	0.78
YT10AA0001	4/10/2005	0.011	ND	ND	ND	0.81
YT10AA0001	9/11/2005	0.006	ND	ND	ND	1.05
YT10AA0001	23/11/2005	0.017	ND	ND	ND	1.43
YT10AA0001	14/12/2005	0.024	ND	ND	ND	4.25
YT10AA0001	1/2/2006	0.027	ND	ND	ND	1.39
YT10AA0001	8/3/2006	0.021	ND	ND	ND	0.83
YT10AA0001	27/3/2006	0.026	ND	ND	ND	1.01
YT10AA0001	31/5/2006	0.043	ND	ND	ND	29.9
YT10AA0001	19/6/2006	0.045	ND	ND	ND	25.5
YT10AA0001	12/7/2006	0.019	ND	ND	ND	1.85
YT10AA0001	28/7/2006	0.014	ND	ND	ND	1.41
YT10AA0001	5/8/2006	0.012	ND	ND	ND	1.49
YT10AA0001	23/8/2006	0.011	ND	ND	ND	0.87
YT10AA0001	12/9/2006	0.011	ND	ND	ND	0.6
YT10AA0001	27/9/2006	0.015	ND	ND	ND	0.4
YT10AA0001	16/10/2006	0.011	ND	ND	ND	0.4
YT10AA0001	6/11/2006	0.012	ND	ND	ND	0.63
YT10AA0001	6/12/2006	0.017	ND	ND	ND	0.35
YT10AA0001	23/4/2007	0.01	ND	ND	ND	2.03
YT10AA0001	30/5/2007	0.082	ND	ND	ND	26.7
YT10AA0001	13/6/2007	0.056	ND	ND	ND	30.4
YT10AA0001	9/7/2007	0.028	ND	ND	ND	10
YT10AA0001	24/7/2007	0.018	ND	ND	ND	5.94
YT10AA0001	8/8/2007	0.02	ND	ND	ND	5.16
YT10AA0001	22/8/2007	0.013	ND	ND	ND	2.74
YT10AA0001	10/9/2007	0.013	ND	ND	ND	1.79
YT10AA0001	1/10/2007	0.011	ND	ND	ND	2.59

Table A1.1. Relevant water quality data collected from reference sites used in the estimation of background cadmium concentrations in B.C. waters.

Region / Source / Station ID ¹	Date (d/m/y)	Cadmium (µg/L)		Hardness (mg CaCO ₃ /L)	TSS (mg/L)	Turbidity (NTU)
		Total	Dissolved			
<i>Environment Canada (cont.)</i>						
YT10AA0001	15/10/2007	0.009	ND	ND	ND	1.01
YT10AA0001	14/11/2007	0.016	ND	ND	ND	1.83
YT10AA0001	19/12/2007	0.011	ND	ND	ND	0.46
YT10AA0001	9/1/2008	0.01	ND	ND	ND	0.51
YT10AA0001	21/4/2008	0.021	ND	ND	ND	0.74
YT10AA0001	7/5/2008	0.099	ND	ND	ND	34
YT10AA0001	28/5/2008	0.11	ND	ND	ND	110
YT10AA0001	11/6/2008	0.043	ND	ND	ND	21
YT10AA0001	7/7/2008	0.037	ND	ND	ND	22.8
YT10AA0001	28/7/2008	0.019	ND	ND	ND	6.65
YT10AA0001	7/8/2008	0.013	ND	ND	ND	3.75
YT10AA0001	23/8/2008	0.011	ND	ND	ND	2.59
YT10AA0001	15/9/2008	0.013	ND	ND	ND	2.04
YT10AA0001	29/9/2008	0.012	ND	ND	ND	1.89
YT10AA0001	14/10/2008	0.011	ND	ND	ND	1.64
YT10AA0001	8/11/2008	0.012	ND	ND	ND	1.06
YT10AA0001	22/11/2008	0.011	ND	ND	ND	0.65
YT10AA0001	6/12/2008	0.014	ND	ND	ND	0.57
YT10AA0001	12/2/2009	0.009	ND	ND	ND	0.38
YT10AA0001	28/2/2009	0.009	ND	ND	ND	0.45
YT10AA0001	14/3/2009	0.028	ND	ND	ND	0.52
YT10AA0001	4/4/2009	0.019	ND	ND	ND	0.5
YT10AA0001	9/5/2009	0.068	ND	ND	ND	38.4
YT10AA0001	26/5/2009	0.093	ND	ND	ND	64.9
YT10AA0001	13/6/2009	0.059	ND	ND	ND	47.2
YT10AA0001	30/6/2009	0.022	ND	ND	ND	10.1
YT10AA0001	14/7/2009	0.015	ND	ND	ND	5.46
YT10AA0001	8/8/2009	0.011	ND	ND	ND	2.19
YT10AA0001	25/8/2009	0.015	ND	ND	ND	4.38
YT10AA0001	8/9/2009	0.01	ND	ND	ND	0.98
YT10AA0001	26/9/2009	0.014	ND	ND	ND	3.36
YT10AA0001	13/10/2009	0.011	ND	ND	ND	1.41
YT10AA0001	27/10/2009	0.007	ND	ND	ND	0.91
YT10AA0001	12/12/2009	0.021	ND	ND	ND	0.93
YT10AA0001	9/3/2010	0.024	ND	ND	ND	0.8
YT10AA0001	23/3/2010	0.022	ND	ND	ND	0.6
YT10AA0001	6/4/2010	0.012	ND	ND	ND	0.98
YT10AA0001	20/4/2010	0.016	ND	ND	ND	5.31
YT10AA0001	11/5/2010	0.017	ND	ND	ND	5.54
YT10AA0001	25/5/2010	0.04	ND	ND	ND	20.2
YT10AA0001	8/6/2010	0.019	ND	ND	ND	8.83
YT10AA0001	22/6/2010	0.014	ND	ND	ND	4.66
YT10AA0001	6/7/2010	0.019	ND	ND	ND	5.29
YT10AA0001	20/7/2010	0.011	ND	ND	ND	1.71

Table A1.1. Relevant water quality data collected from reference sites used in the estimation of background cadmium concentrations in B.C. waters.

Region / Source / Station ID ¹	Date (d/m/y)	Cadmium (µg/L)		Hardness (mg CaCO ₃ /L)	TSS (mg/L)	Turbidity (NTU)
		Total	Dissolved			
<i>Environment Canada (cont.)</i>						
YT10AA0001	10/8/2010	0.01	ND	ND	ND	1.23
YT10AA0001	24/8/2010	0.01	ND	ND	ND	0.82
YT10AA0001	11/9/2010	0.007	ND	ND	ND	0.84
YT10AA0001	25/9/2010	0.008	ND	ND	ND	0.64
YT10AA0001	12/10/2010	0.009	ND	ND	ND	1.37
YT10AA0001	26/10/2010	0.009	ND	ND	ND	0.52
YT10AA0001	9/11/2010	0.009	ND	ND	ND	0.89
YT10AA0001	19/12/2010	0.018	ND	ND	ND	0.53
YT10AA0001	27/2/2011	0.01	ND	ND	ND	0.45
YT10AA0001	15/3/2011	0.009	ND	ND	ND	0.41
YT10AA0001	29/3/2011	0.009	ND	ND	ND	0.66
YT10AA0001	10/5/2011	0.032	ND	ND	ND	14.8
YT10AA0001	24/5/2011	0.091	ND	ND	ND	62.2
YT10AA0001	11/6/2011	0.024	ND	ND	ND	17.6
YT10AA0001	25/6/2011	0.05	ND	ND	ND	36.9
YT10AA0001	9/7/2011	0.018	ND	ND	ND	9.53
YT10AA0001	26/7/2011	0.014	ND	ND	ND	3.74
YT10AA0001	9/8/2011	0.015	ND	ND	ND	2.83
YT10AA0001	27/8/2011	0.016	ND	ND	ND	4.95
YT10AA0001	10/9/2011	0.015	ND	ND	ND	3.83
YT10AA0001	27/9/2011	0.014	ND	ND	ND	1.96
YT10AA0001	11/10/2011	0.014	ND	ND	ND	2.91
YT10AA0001	8/11/2011	0.012	ND	ND	ND	1.51
YT10AA0001	3/1/2012	0.014	ND	ND	ND	0.57
YT10AA0001	29/3/2012	0.033	ND	ND	ND	0.58
YT10AA0001	12/5/2012	0.024	ND	ND	ND	10
YT10AA0001	7/7/2012	0.024	ND	ND	ND	14.3
<i>Seabridge Gold (KSM Mine)</i>						
BIR1	29/3/2009	< 0.017	< 0.017	117	< 3	0.24
BIR1	3/7/2009	0.021	< 0.01	42.9	21	15.4
BIR1	3/7/2009	0.018	ND	43.6	21	15.8
BIR1	23/8/2009	0.012	< 0.01	55.1	9.3	17.5
BIR1	1/12/2009	0.013	< 0.01	91.2	17.3	1.82
BIR2	28/3/2009	0.02	0.017	136	6.3	2.07
BIR2	2/7/2009	0.021	< 0.01	50.5	25.5	18.7
BIR2	23/8/2009	0.05	< 0.01	53.6	58.8	44
BIR2	25/11/2009	< 0.01	< 0.01	93.1	< 3	1.02
BR1	28/3/2009	0.018	< 0.017	122	< 3	1.11
BR1	2/7/2009	0.059	0.013	43.9	23	53.3
BR1	22/8/2009	0.176	< 0.01	27.4	143	122
BR1	1/12/2009	0.038	0.016	100	< 3	2.32
EUR2	27/5/2009	0.032	< 0.01	59.1	9.1	3.37
EUR2	8/6/2009	0.025	< 0.01	41.7	38	18.1

Table A1.1. Relevant water quality data collected from reference sites used in the estimation of background cadmium concentrations in B.C. waters.

Region / Source / Station ID ¹	Date (d/m/y)	Cadmium (µg/L)		Hardness (mg CaCO ₃ /L)	TSS (mg/L)	Turbidity (NTU)
		Total	Dissolved			
<i>Seabridge Gold (KSM Mine; cont.)</i>						
EUR2	13/6/2009	0.034	< 0.01	41.3	232	20.8
EUR2	19/6/2009	< 0.01	< 0.01	45.5	5.5	5.43
EUR2	2/7/2009	0.011	< 0.01	55.1	5	4.5
EUR2	4/8/2009	0.04	< 0.01	48.3	15.5	16.8
EUR2	23/8/2009	< 0.01	< 0.01	70.5	9.3	4.57
EUR2	13/9/2009	0.042	0.01	62.6	14.8	16.9
EUR2	27/9/2009	< 0.02	< 0.01	75.7	< 3	1.75
EUR2	31/10/2009	< 0.01	ND	90.5	< 3	0.76
EUR2	31/10/2009	< 0.01	< 0.01	88.6	< 3	0.54
EUR2	25/11/2009	< 0.01	< 0.01	120	< 3	0.25
KGL	19/8/2009	0.033	< 0.01	55.2	11	49.1
KGL	19/8/2009	0.036	< 0.01	54.9	12	52.4
KGL	19/8/2009	0.038	< 0.01	49.9	11	53.9
LAL	15/8/2009	< 0.01	< 0.01	80.8	< 3	1.24
LAL	15/8/2009	< 0.01	< 0.01	80.6	< 3	1.01
SNO1	29/3/2009	< 0.017	< 0.017	99.7	< 3	1.68
SNO1	29/3/2009	< 0.017	ND	99.8	< 3	1.57
SNO1	3/7/2009	0.015	< 0.01	51.1	10.5	15.5
SNO1	23/8/2009	0.023	< 0.01	52.3	151	52.3
SNO1	25/11/2009	< 0.01	< 0.01	83.5	< 3	1.43
SNO2	28/3/2009	< 0.017	< 0.017	81.4	< 3	0.43
SNO2	3/7/2009	0.013	< 0.01	43.4	12	7.98
SNO2	23/8/2009	0.016	< 0.01	57	207	36.8
SNO2	25/11/2009	< 0.01	< 0.01	74.6	4.4	0.61
STE1	2/7/2009	0.013	< 0.01	28.9	8.5	4.76
STE1	23/8/2009	0.014	< 0.01	51.6	7.3	13.3
STE1	26/11/2009	0.029	0.014	62.6	< 3	1.03
STE2	28/4/2009	< 0.017	< 0.017	55.6	< 3	1.02
STE2	8/6/2009	0.026	0.012	20.7	41.5	17.9
STE2	13/6/2009	0.069	0.012	27.4	36.7	39.5
STE2	19/6/2009	0.025	< 0.01	28.2	12.5	9.78
STE2	5/7/2009	0.011	< 0.01	24	9.8	7.77
STE2	4/8/2009	0.027	< 0.01	49.8	24	39.6
STE2	23/8/2009	0.011	< 0.01	62.6	3.8	9.4
STE2	13/9/2009	0.06	0.011	45.7	27.8	74
STE2	27/9/2009	< 0.03	0.012	43.1	< 3	2.62
STE2	31/10/2009	0.014	< 0.01	57.1	< 3	0.72
STE2	25/11/2009	< 0.01	< 0.01	73	< 3	0.68
SUL	16/8/2009	0.072	0.012	31.2	47.2	57.2
SUL	16/8/2009	0.059	0.015	34.3	27.7	46.8
SUNR	7/1/2009	0.037	0.039	108	< 3	0.54
SUNR	1/2/2009	0.03	0.029	97.3	< 3	0.58
SUNR	4/3/2009	0.029	0.031	108	< 3	0.22
SUNR	29/3/2009	0.052	0.057	117	< 3	0.16

Table A1.1. Relevant water quality data collected from reference sites used in the estimation of background cadmium concentrations in B.C. waters.

Region / Source / Station ID ¹	Date (d/m/y)	Cadmium (µg/L)		Hardness (mg CaCO ₃ /L)	TSS (mg/L)	Turbidity (NTU)
		Total	Dissolved			
<i>Seabridge Gold (KSM Mine; cont.)</i>						
SUNR	28/4/2009	0.045	0.036	100	3.3	0.83
SUNR	27/5/2009	0.058	0.035	67.8	16.6	12.3
SUNR	2/7/2009	0.029	0.021	58.2	10	8.58
SUNR	4/8/2009	0.106	0.027	28.6	124	75.1
SUNR	22/8/2009	0.059	ND	30.8	62.8	39.3
SUNR	22/8/2009	0.061	0.018	29.7	63.8	40
SUNR	27/9/2009	< 0.08	0.025	53.7	111	30
SUNR	31/10/2009	0.052	0.029	69.3	18	20.9
SUNR	27/11/2009	0.032	0.027	95	5.4	0.64
TDL	17/8/2009	< 0.01	< 0.01	70.9	< 3	1.12
TDL	17/8/2009	< 0.01	< 0.01	66.5	3.7	1.32
TEC1	28/3/2009	< 0.017	< 0.017	41.9	< 3	0.33
TEC1	2/7/2009	< 0.01	< 0.01	27.3	< 3	1.89
TEC1	23/8/2009	< 0.01	< 0.01	40.9	< 3	1.69
TEC1	25/11/2009	< 0.01	< 0.01	38.1	< 3	0.33
TEC2	29/3/2009	< 0.017	< 0.017	78.9	< 3	0.22
TEC2	28/4/2009	< 0.017	ND	60	< 3	0.75
TEC2	28/4/2009	< 0.017	< 0.017	57.8	< 3	0.93
TEC2	27/5/2009	0.04	< 0.017	26.1	16.1	7.8
TEC2	8/6/2009	0.062	< 0.01	23.9	101	56.7
TEC2	13/6/2009	0.02	< 0.01	27.5	28.2	20.3
TEC2	19/6/2009	0.022	< 0.01	31.8	9.5	7.82
TEC2	2/7/2009	< 0.01	< 0.01	38.8	4.5	2.91
TEC2	4/8/2009	0.011	< 0.01	53.4	16.5	12.1
TEC2	23/8/2009	< 0.01	< 0.01	64.9	9.8	5.61
TEC2	13/9/2009	0.026	< 0.01	50.2	17.8	44.5
TEC2	27/9/2009	< 0.01	< 0.01	44.1	4	2.6
TEC2	31/10/2009	< 0.01	< 0.01	55.2	< 3	0.88
TEC2	25/11/2009	< 0.01	< 0.01	72.3	< 3	0.4
UNK1	3/7/2009	< 0.01	< 0.01	13.1	< 3	0.51
UNK1	23/8/2009	< 0.01	< 0.01	28.2	< 3	0.26
UNK1	1/12/2009	0.018	< 0.01	26.6	5.4	0.76
UNK2	2/7/2009	< 0.01	< 0.01	107	4	1.2
UNK2	23/8/2009	< 0.01	< 0.01	126	3.8	0.28
UNK2	25/11/2009	< 0.01	< 0.01	124	< 3	0.11
<i>TTM Resources (Chu Molybdenum Mine)</i>						
WQT015_08	2/6/2008	< 0.017	ND	47.2	ND	1.47
WQT015_08	23/9/2009	< 0.017	ND	61.4	ND	2.37
WQT015_08	23/9/2009	0.07	ND	61.7	ND	20.6
WQT016_09	25/9/2009	0.0218	ND	55	ND	0.745
WQT204_09	28/10/2009	< 0.017	ND	95.8	ND	0.72

Table A1.1. Relevant water quality data collected from reference sites used in the estimation of background cadmium concentrations in B.C. waters.

Region / Source / Station ID ¹	Date (d/m/y)	Cadmium (µg/L)		Hardness (mg CaCO ₃ /L)	TSS (mg/L)	Turbidity (NTU)
		Total	Dissolved			
<u>Omineca - Peace</u>						
<i>BCMOE</i>						
Dominion Creek	26/9/2002	< 0.01	< 0.01	45.7	ND	ND
Dominion Creek	22/1/2003	< 0.01	0.03	54.1	ND	0.49
Dominion Creek	17/3/2003	< 0.01	< 0.01	59	ND	0.4
Dominion Creek	7/5/2003	< 0.01	0.02	60.2	ND	0.3
Dominion Creek	10/6/2003	0.01	< 0.01	25.3	ND	5.3
Dominion Creek	12/8/2003	< 0.01	< 0.01	47.8	ND	0.35
Martinson Creek	7/10/2005	< 0.01	< 0.01	44	< 4	0.3
Martinson Creek	8/1/2006	< 0.01	< 0.01	53	< 4	0.2
Martinson Creek	10/1/2006	< 0.01	ND	57	< 4	0.2
Martinson Creek	10/1/2006	< 0.01	< 0.01	59	< 4	0.2
Martinson Creek	15/5/2006	< 0.01	< 0.01	58	< 4	0.2
Pritchard Creek	10/10/2002	< 0.01	< 0.01	68.2	ND	0.34
Pritchard Creek	21/1/2003	0.04	< 0.01	111	ND	ND
Pritchard Creek	24/3/2003	< 0.01	< 0.01	108	ND	0.22
Pritchard Creek	24/4/2003	< 0.01	< 0.01	63.1	ND	0.61
Pritchard Creek	21/5/2003	< 0.01	ND	72.4	ND	0.17
Pritchard Creek	21/5/2003	< 0.01	< 0.01	71.1	ND	0.15
Pritchard Creek	11/8/2003	0.01	ND	103	ND	0.2
Pritchard Creek	11/8/2003	< 0.01	0.01	102	ND	0.18
Rainbow Creek	7/10/2005	< 0.01	< 0.01	160	< 4	0.2
Rainbow Creek	10/1/2006	< 0.01	< 0.01	180	< 4	0.3
Rainbow Creek	22/3/2006	< 0.01	< 0.01	180	< 4	0.1
Rainbow Creek	15/5/2006	< 0.01	< 0.01	150	< 4	0.2
Rainbow Creek	1/8/2006	< 0.01	< 0.01	160	< 4	0.2
Swift Creek	26/9/2002	< 0.01	< 0.01	50.8	ND	ND
Swift Creek	22/1/2003	< 0.01	ND	91.9	ND	0.13
Swift Creek	22/1/2003	< 0.01	< 0.01	92.6	ND	0.15
Swift Creek	17/3/2003	< 0.01	ND	89.5	ND	0.14
Swift Creek	17/3/2003	< 0.01	< 0.01	89	ND	0.16
Swift Creek	7/5/2003	< 0.01	0.01	72.3	ND	0.13
Swift Creek	10/6/2003	< 0.01	< 0.01	25.5	ND	2.43
Swift Creek	12/8/2003	< 0.01	< 0.01	57.3	ND	0.32
<i>CABIN</i>						
FSJ01	13/9/2006	0.02	ND	28	4	0.2
FSJ02	13/9/2006	< 0.01	ND	79	4	4
FSJ04	13/9/2006	< 0.01	ND	69	4	0.3
PRG02	29/8/2006	< 0.01	ND	61	4	0.4
PRG07	5/9/2006	< 0.01	ND	150	4	0.2
PRG10	5/7/2006	< 0.01	ND	140	4	0.1
VAN10	7/9/2005	< 0.01	ND	28	4	0.6
VAN13	12/9/2005	< 0.01	ND	42	4	1.3

Table A1.1. Relevant water quality data collected from reference sites used in the estimation of background cadmium concentrations in B.C. waters.

Region / Source / Station ID ¹	Date (d/m/y)	Cadmium (µg/L)		Hardness (mg CaCO ₃ /L)	TSS (mg/L)	Turbidity (NTU)
		Total	Dissolved			
<i>Environment Canada</i>						
BC08KA0007	19/3/2003	0.004	ND	ND	ND	0.52
BC08KA0007	31/3/2003	0.004	ND	ND	ND	0.62
BC08KA0007	15/4/2003	0.004	ND	ND	ND	ND
BC08KA0007	29/4/2003	0.004	ND	ND	ND	0.32
BC08KA0007	13/5/2003	0.006	ND	ND	ND	0.31
BC08KA0007	3/6/2003	0.005	ND	ND	ND	1.84
BC08KA0007	24/6/2003	0.002	ND	ND	ND	2.39
BC08KA0007	2/7/2003	0.007	ND	ND	ND	3.46
BC08KA0007	8/7/2003	0.004	ND	ND	ND	2.83
BC08KA0007	15/7/2003	0.003	ND	ND	ND	2.21
BC08KA0007	22/7/2003	0.008	ND	ND	ND	1.41
BC08KA0007	19/8/2003	0.004	ND	ND	ND	1.85
BC08KA0007	3/9/2003	0.006	ND	ND	ND	1.53
BC08KA0007	16/9/2003	0.014	ND	ND	ND	1.2
BC08KA0007	15/10/2003	< 0.001	ND	ND	ND	0.71
BC08KA0007	28/10/2003	0.001	ND	ND	ND	1.18
BC08KA0007	12/11/2003	0.005	ND	ND	ND	0.74
BC08KA0007	25/11/2003	0.003	ND	ND	ND	0.71
BC08KA0007	16/12/2003	0.001	ND	ND	ND	0.45
BC08KA0007	13/1/2004	0.003	ND	ND	ND	0.41
BC08KA0007	2/2/2004	0.003	ND	ND	ND	0.23
BC08KA0007	18/2/2004	0.003	ND	ND	ND	0.45
BC08KA0007	3/3/2004	0.004	ND	ND	ND	0.28
BC08KA0007	16/3/2004	0.012	ND	ND	ND	0.35
BC08KA0007	30/3/2004	0.005	ND	ND	ND	0.46
BC08KA0007	13/4/2004	0.005	ND	ND	ND	0.27
BC08KA0007	27/4/2004	0.01	ND	ND	ND	0.25
BC08KA0007	11/5/2004	0.007	ND	ND	ND	0.47
BC08KA0007	25/5/2004	0.003	ND	ND	ND	0.64
BC08KA0007	1/6/2004	0.003	ND	ND	ND	1.19
BC08KA0007	8/6/2004	0.001	ND	ND	ND	0.82
BC08KA0007	15/6/2004	< 0.001	ND	ND	ND	2.13
BC08KA0007	22/6/2004	0.003	ND	ND	ND	1.82
BC08KA0007	6/7/2004	0.003	ND	ND	ND	4.02
BC08KA0007	13/7/2004	0.001	ND	ND	ND	4.41
BC08KA0007	10/8/2004	0.008	ND	ND	ND	3.84
BC08KA0007	24/8/2004	0.003	ND	ND	ND	6.39
BC08KA0007	14/9/2004	< 0.001	ND	ND	ND	2.23
BC08KA0007	28/9/2004	< 0.001	ND	ND	ND	0.78
BC08KA0007	12/10/2004	0.002	ND	ND	ND	0.8
BC08KA0007	26/10/2004	0.005	ND	ND	ND	1.11
BC08KA0007	9/11/2004	0.002	ND	ND	ND	0.74
BC08KA0007	30/11/2004	0.005	ND	ND	ND	0.93
BC08KA0007	14/12/2004	0.007	ND	ND	ND	0.38

Table A1.1. Relevant water quality data collected from reference sites used in the estimation of background cadmium concentrations in B.C. waters.

Region / Source / Station ID ¹	Date (d/m/y)	Cadmium (µg/L)		Hardness (mg CaCO ₃ /L)	TSS (mg/L)	Turbidity (NTU)
		Total	Dissolved			
<i>Environment Canada (cont.)</i>						
BC08KA0007	11/1/2005	0.002	ND	ND	ND	0.46
BC08KA0007	25/1/2005	< 0.001	ND	ND	ND	0.35
BC08KA0007	8/2/2005	0.004	ND	ND	ND	0.49
BC08KA0007	22/2/2005	< 0.001	ND	ND	ND	0.4
BC08KA0007	1/3/2005	0.002	ND	ND	ND	0.4
BC08KA0007	8/3/2005	0.004	ND	ND	ND	0.7
BC08KA0007	15/3/2005	0.004	ND	ND	ND	0.3
BC08KA0007	22/3/2005	0.003	ND	ND	ND	0.3
BC08KA0007	5/4/2005	0.005	ND	ND	ND	0.4
BC08KA0007	18/4/2005	0.004	ND	ND	ND	0.4
BC08KA0007	3/5/2005	0.005	ND	ND	ND	0.3
BC08KA0007	17/5/2005	0.005	ND	ND	ND	0.5
BC08KA0007	30/5/2005	0.008	ND	ND	ND	1.3
BC08KA0007	14/6/2005	0.004	ND	ND	ND	2.7
BC08KA0007	28/6/2005	0.004	ND	ND	ND	2.3
BC08KA0007	12/7/2005	0.004	ND	ND	ND	3.3
BC08KA0007	16/8/2005	0.002	ND	ND	ND	1.5
BC08KA0007	30/8/2005	< 0.001	ND	ND	ND	1.8
BC08KA0007	13/9/2005	0.004	ND	ND	ND	1.9
BC08KA0007	27/9/2005	0.004	ND	ND	ND	1.4
BC08KA0007	11/10/2005	0.004	ND	ND	ND	0.7
BC08KA0007	25/10/2005	0.004	ND	ND	ND	0.5
BC08KA0007	8/11/2005	0.004	ND	ND	ND	0.4
BC08KA0007	22/6/2006	0.005	ND	ND	ND	1.9
BC08KA0007	11/9/2006	0.005	ND	ND	ND	1.7
BC08KA0007	2/10/2006	0.003	ND	ND	ND	0.7
BC08KA0007	10/10/2006	0.003	ND	ND	ND	0.7
BC08KA0007	23/10/2006	0.003	ND	ND	ND	0.6
BC08KA0007	7/11/2006	0.003	ND	ND	ND	0.5
BC08KA0007	20/11/2006	0.003	ND	ND	ND	0.5
BC08KA0007	5/12/2006	0.005	ND	ND	ND	0.5
BC08KA0007	18/12/2006	0.003	ND	ND	ND	0.4
BC08KA0007	8/1/2007	0.008	ND	ND	ND	0.8
BC08KA0007	23/1/2007	0.003	ND	ND	ND	0.5
BC08KA0007	29/1/2007	0.004	ND	ND	ND	0.4
BC08KA0007	13/2/2007	0.002	ND	ND	ND	0.3
BC08KA0007	5/3/2007	0.003	ND	ND	ND	0.3
BC08KA0007	13/3/2007	0.003	ND	ND	ND	0.3
BC08KA0007	27/3/2007	0.002	ND	ND	ND	0.4
BC08KA0007	9/4/2007	0.002	ND	ND	ND	0.3
BC08KA0007	23/4/2007	0.003	ND	ND	ND	0.3
BC08KA0007	14/5/2007	0.004	ND	ND	ND	0.3
BC08KA0007	28/5/2007	0.004	ND	ND	ND	0.8
BC08KA0007	18/6/2007	0.005	ND	ND	ND	5.2

Table A1.1. Relevant water quality data collected from reference sites used in the estimation of background cadmium concentrations in B.C. waters.

Region / Source / Station ID ¹	Date (d/m/y)	Cadmium (µg/L)		Hardness (mg CaCO ₃ /L)	TSS (mg/L)	Turbidity (NTU)
		Total	Dissolved			
<i>Environment Canada (cont.)</i>						
BC08KA0007	2/7/2007	0.004	ND	ND	ND	3.8
BC08KA0007	16/7/2007	0.008	ND	ND	ND	3.8
BC08KA0007	31/7/2007	0.004	ND	ND	ND	8.6
BC08KA0007	13/8/2007	0.004	ND	ND	ND	3.7
BC08KA0007	27/8/2007	0.004	ND	ND	ND	2.5
BC08KA0007	10/9/2007	0.004	ND	ND	ND	2.3
BC08KA0007	24/9/2007	0.004	ND	ND	ND	1.5
BC08KA0007	8/10/2007	0.003	ND	ND	ND	0.8
BC08KA0007	23/10/2007	0.003	ND	ND	ND	0.7
BC08KA0007	6/11/2007	0.004	ND	ND	ND	1.2
BC08KA0007	20/11/2007	0.003	ND	ND	ND	0.6
BC08KA0007	11/12/2007	0.003	ND	ND	ND	0.6
BC08KA0007	18/12/2007	0.004	ND	ND	ND	0.5
BC08KA0007	2/1/2008	0.004	ND	ND	ND	0.6
BC08KA0007	22/1/2008	0.003	ND	ND	ND	1.4
BC08KA0007	5/2/2008	0.003	ND	ND	ND	0.9
BC08KA0007	19/2/2008	0.003	ND	ND	ND	0.4
BC08KA0007	26/2/2008	0.003	ND	ND	ND	0.3
BC08KA0007	11/3/2008	0.004	ND	ND	ND	1
BC08KA0007	25/3/2008	0.003	ND	ND	ND	0.6
BC08KA0007	8/4/2008	0.004	ND	ND	ND	0.4
BC08KA0007	16/4/2008	0.003	ND	ND	ND	0.3
BC08KA0007	22/4/2008	0.003	ND	ND	ND	0.6
BC08KA0007	6/5/2008	0.004	ND	ND	ND	0.5
BC08KA0007	27/5/2008	0.004	ND	ND	ND	1.2
BC08KA0007	3/6/2008	0.003	ND	ND	ND	0.9
BC08KA0007	3/6/2008	0.003	ND	ND	ND	1.1
BC08KA0007	17/6/2008	0.003	ND	ND	ND	1.9
BC08KA0007	17/6/2008	0.003	ND	ND	ND	2.1
BC08KA0007	1/7/2008	0.004	ND	ND	ND	1.4
BC08KA0007	15/7/2008	0.005	ND	ND	ND	7.2
BC08KA0007	29/7/2008	0.004	ND	ND	ND	2.4
BC08KA0007	12/8/2008	0.005	ND	ND	ND	3.1
BC08KA0007	12/8/2008	0.005	ND	ND	ND	3.2
BC08KA0007	26/8/2008	0.005	ND	ND	ND	5.2
BC08KA0007	26/8/2008	0.004	ND	ND	ND	5
BC08KA0007	8/9/2008	0.004	ND	ND	ND	2
BC08KA0007	22/9/2008	0.005	ND	ND	ND	1.9
BC08KA0007	6/10/2008	0.005	ND	ND	ND	1
BC08KA0007	20/10/2008	0.005	ND	ND	ND	0.5
BC08KA0007	4/11/2008	0.003	ND	ND	ND	0.5
BC08KA0007	17/11/2008	0.005	ND	ND	ND	0.7
BC08KA0007	1/12/2008	0.004	ND	ND	ND	0.5
BC08KA0007	6/1/2009	0.003	ND	ND	ND	0.3

Table A1.1. Relevant water quality data collected from reference sites used in the estimation of background cadmium concentrations in B.C. waters.

Region / Source / Station ID ¹	Date (d/m/y)	Cadmium (µg/L)		Hardness (mg CaCO ₃ /L)	TSS (mg/L)	Turbidity (NTU)
		Total	Dissolved			
<i>Environment Canada (cont.)</i>						
BC08KA0007	14/4/2009	0.003	ND	ND	ND	0.2
BC08KA0007	27/4/2009	0.004	ND	ND	ND	0.3
BC08KA0007	11/5/2009	0.005	ND	ND	ND	0.3
BC08KA0007	25/5/2009	0.004	ND	ND	ND	0.4
BC08KA0007	1/6/2009	0.005	ND	ND	ND	0.7
BC08KA0007	8/6/2009	0.003	ND	ND	ND	1.6
BC08KA0007	15/6/2009	0.004	ND	ND	ND	1.9
BC08KA0007	22/6/2009	0.004	ND	ND	ND	2.9
BC08KA0007	6/7/2009	0.004	ND	ND	ND	1.2
BC08KA0007	20/7/2009	0.005	ND	ND	ND	2.9
BC08KA0007	4/8/2009	0.004	ND	ND	ND	4
BC08KA0007	17/8/2009	0.004	ND	ND	ND	3.2
BC08KA0007	31/8/2009	0.003	ND	ND	ND	1.6
BC08KA0007	14/9/2009	0.004	ND	ND	ND	1.1
BC08KA0007	29/9/2009	0.004	ND	ND	ND	1.7
BC08KA0007	27/10/2009	0.003	ND	ND	ND	0.6
BC08KA0007	16/11/2009	0.004	ND	ND	ND	0.4
BC08KA0007	23/11/2009	0.004	ND	ND	ND	0.4
BC08KA0007	2/12/2009	0.003	ND	ND	ND	0.4
BC08KA0007	9/3/2010	0.001	ND	ND	ND	0.2
BC08KA0007	29/3/2010	0.002	ND	ND	ND	0.6
BC08KA0007	26/4/2010	0.002	ND	ND	ND	0.2
BC08KA0007	10/5/2010	0.008	ND	ND	ND	0.2
BC08KA0007	25/5/2010	0.002	ND	ND	ND	0.7
BC08KA0007	7/6/2010	0.003	ND	ND	ND	0.6
BC08KA0007	21/6/2010	0.004	ND	ND	ND	2.3
BC08KA0007	6/7/2010	0.005	ND	ND	ND	1.7
BC08KA0007	19/7/2010	0.006	ND	ND	ND	2.4
BC08KA0007	3/8/2010	0.006	ND	ND	ND	1.2
BC08KA0007	16/8/2010	0.005	ND	ND	ND	1
BC08KA0007	30/8/2010	0.005	ND	ND	ND	1.4
BC08KA0007	13/9/2010	0.004	ND	ND	ND	0.8
BC08KA0007	27/9/2010	0.006	ND	ND	ND	0.4
BC08KA0007	12/10/2010	0.008	ND	ND	ND	2.3
BC08KA0007	26/10/2010	0.004	ND	ND	ND	1.4
BC08KA0007	30/11/2010	0.003	ND	ND	ND	0.7
BC08KA0007	6/12/2010	0.003	ND	ND	ND	1.4
BC08KA0007	28/3/2011	0.003	ND	ND	ND	0.5
BC08KA0007	4/4/2011	0.003	ND	ND	ND	1.1
BC08KA0007	19/4/2011	0.004	ND	ND	ND	0.6
BC08KA0007	1/5/2011	0.003	ND	ND	ND	0.7
BC08KA0007	16/5/2011	0.005	ND	ND	ND	0.5
BC08KA0007	31/5/2011	0.003	ND	ND	ND	1.1
BC08KA0007	14/6/2011	0.004	ND	ND	ND	1.5

Table A1.1. Relevant water quality data collected from reference sites used in the estimation of background cadmium concentrations in B.C. waters.

Region / Source / Station ID ¹	Date (d/m/y)	Cadmium (µg/L)		Hardness (mg CaCO ₃ /L)	TSS (mg/L)	Turbidity (NTU)
		Total	Dissolved			
<i>Environment Canada (cont.)</i>						
BC08KA0007	27/6/2011	0.004	ND	ND	ND	2.5
BC08KA0007	22/8/2011	0.004	ND	ND	ND	2.1
BC08KA0007	6/9/2011	0.004	ND	ND	ND	1.6
BC08KA0007	20/9/2011	0.005	ND	ND	ND	1.5
BC08KA0007	11/10/2011	0.002	ND	ND	ND	0.9
BC08KA0007	17/10/2011	0.004	ND	ND	ND	0.69
BC08KA0007	31/10/2011	0.005	ND	ND	ND	0.57
BC08KA0007	6/12/2011	0.005	ND	ND	ND	0.48
BC08KA0007	12/12/2011	0.004	ND	ND	ND	1.07
BC08KA0007	24/1/2012	0.003	ND	ND	ND	0.2
BC08KA0007	11/4/2012	0.004	ND	ND	ND	0.3
BC08KA0007	18/4/2012	0.004	ND	ND	ND	0.17
BC08KA0007	1/5/2012	0.004	ND	ND	ND	0.18
BC08KA0007	16/5/2012	0.004	ND	ND	ND	0.3
BC08KA0007	30/5/2012	0.003	ND	ND	ND	0.75
BC08KA0007	11/6/2012	0.004	ND	ND	ND	2.9
BC08KA0007	10/7/2012	0.005	ND	ND	ND	4.13
BC08KA0007	10/7/2012	0.005	ND	ND	ND	ND
BC08KA0007	16/7/2012	0.004	ND	ND	ND	3.73
BC08KA0007	16/7/2012	0.004	ND	ND	ND	ND
BC08KA0007	25/7/2012	0.005	ND	ND	ND	5.51
BC08KA0007	7/8/2012	0.004	ND	ND	ND	2.61
BC08KA0007	21/8/2012	0.004	ND	ND	ND	3.21
BC08KA0007	4/9/2012	0.004	ND	ND	ND	2.47
<i>Cardero Coal (Carbon Creek Project)</i>						
CAR-1.0	22/1/2012	0.029	0.026	ND	ND	ND
CAR-1.0	23/2/2012	0.028	0.027	ND	ND	ND
CAR-1.0	29/4/2012	0.05	0.026	ND	ND	ND
CAR-1.0	27/5/2012	0.442	0.041	ND	ND	ND
CAR-1.0	25/6/2012	0.233	0.057	ND	ND	ND
CAR-1.0	24/7/2012	0.051	0.037	ND	ND	ND
CAR-1.0	30/8/2012	0.035	ND	ND	ND	ND
CAR-1.0	30/8/2012	0.04	0.033	ND	ND	ND
CAR-1.0	23/9/2012	0.032	0.03	ND	ND	ND
CAR-10.5	29/9/2011	0.081	< 0.05	157	ND	2.77
CAR-10.5	3/12/2011	0.033	0.027	ND	ND	ND
CAR-10.5	23/1/2012	0.03	0.028	ND	ND	ND
CAR-10.5	23/2/2012	0.035	0.023	ND	ND	ND
CAR-10.5	29/4/2012	0.045	0.027	ND	ND	ND
CAR-10.5	28/5/2012	0.404	0.041	ND	ND	ND
CAR-10.5	26/6/2012	0.198	0.054	ND	ND	ND
CAR-10.5	25/7/2012	0.061	0.046	ND	ND	ND
CAR-10.5	29/8/2012	0.042	0.037	ND	ND	ND

Table A1.1. Relevant water quality data collected from reference sites used in the estimation of background cadmium concentrations in B.C. waters.

Region / Source / Station ID ¹	Date (d/m/y)	Cadmium (µg/L)		Hardness (mg CaCO ₃ /L)	TSS (mg/L)	Turbidity (NTU)
		Total	Dissolved			
<i>Cardero Coal (Carbon Creek Project; cont.)</i>						
CAR-10.5	24/9/2012	0.035	0.031	ND	ND	ND
CAR-3.2	30/9/2011	0.084	< 0.05	161	ND	4.48
CAR-3.2	1/12/2011	0.032	0.024	ND	ND	ND
CAR-3.2	21/2/2012	0.026	0.022	ND	ND	ND
CAR-3.2	29/4/2012	0.053	0.025	ND	ND	ND
CAR-3.2	29/4/2012	0.05	ND	ND	ND	ND
CAR-3.2	28/5/2012	0.414	0.039	ND	ND	ND
CAR-3.2	26/6/2012	0.161	0.052	ND	ND	ND
CAR-3.2	25/7/2012	0.046	0.039	ND	ND	ND
CAR-3.2	29/8/2012	0.035	0.031	ND	ND	ND
CAR-3.2	24/9/2012	0.031	0.029	ND	ND	ND
CAR-3.2	24/9/2012	0.028	ND	ND	ND	ND
ELE-0.1	3/12/2011	0.044	0.034	ND	ND	ND
ELE-0.1	23/1/2012	0.043	ND	ND	ND	ND
ELE-0.1	23/1/2012	0.064	0.033	ND	ND	ND
ELE-0.1	21/2/2012	0.036	0.031	ND	ND	ND
ELE-0.1	29/4/2012	0.073	0.032	ND	ND	ND
ELE-0.1	28/5/2012	0.411	0.042	ND	ND	ND
ELE-0.1	26/6/2012	0.109	0.042	ND	ND	ND
ELE-0.1	25/7/2012	0.039	0.032	ND	ND	ND
ELE-0.1	29/8/2012	0.041	0.039	ND	ND	ND
ELE-0.1	24/9/2012	0.043	0.035	ND	ND	ND
ELE-4.8	29/9/2011	0.095	< 0.05	169	ND	0.81
ELE-4.8	3/12/2011	0.056	ND	ND	ND	ND
ELE-4.8	3/12/2011	0.056	0.057	ND	ND	ND
ELE-4.8	23/1/2012	0.07	0.059	ND	ND	ND
ELE-4.8	21/2/2012	0.056	0.051	ND	ND	ND
ELE-4.8	21/2/2012	0.053	ND	ND	ND	ND
ELE-4.8	29/4/2012	0.078	0.052	ND	ND	ND
ELE-4.8	28/5/2012	0.343	0.077	ND	ND	ND
ELE-4.8	26/6/2012	0.14	0.049	ND	ND	ND
ELE-4.8	25/7/2012	0.071	0.061	ND	ND	ND
ELE-4.8	25/7/2012	0.07	ND	ND	ND	ND
ELE-4.8	29/8/2012	0.071	0.071	ND	ND	ND
ELE-4.8	24/9/2012	0.062	0.059	ND	ND	ND
FIV-0.1	23/9/2012	0.03	0.023	ND	ND	ND
FIV-2.6	24/9/2012	0.046	0.042	ND	ND	ND
MCA-1.6	1/10/2011	< 0.05	< 0.05	119	ND	0.57
MCA-1.6	3/12/2011	0.021	0.02	ND	ND	ND
MCA-1.6	3/12/2011	0.02	ND	ND	ND	ND
MCA-1.6	23/1/2012	0.023	0.02	ND	ND	ND
MCA-1.6	23/2/2012	0.019	0.017	ND	ND	ND
MCA-1.6	29/4/2012	0.043	0.02	ND	ND	ND
MCA-1.6	28/5/2012	0.107	0.032	ND	ND	ND

Table A1.1. Relevant water quality data collected from reference sites used in the estimation of background cadmium concentrations in B.C. waters.

Region / Source / Station ID ¹	Date (d/m/y)	Cadmium (µg/L)		Hardness (mg CaCO ₃ /L)	TSS (mg/L)	Turbidity (NTU)
		Total	Dissolved			
<i>Cardero Coal (Carbon Creek Project; cont.)</i>						
MCA-1.6	26/6/2012	0.033	0.023	ND	ND	ND
MCA-1.6	25/7/2012	0.028	0.022	ND	ND	ND
MCA-1.6	29/8/2012	0.025	0.023	ND	ND	ND
MCA-1.6	24/9/2012	0.022	0.017	ND	ND	ND
NIN-0.7	30/9/2011	< 0.05	< 0.05	174	ND	6.38
NIN-0.7	1/12/2011	0.018	0.014	ND	ND	ND
NIN-0.7	23/1/2012	0.021	ND	ND	ND	ND
NIN-0.7	23/1/2012	0.021	0.016	ND	ND	ND
NIN-0.7	21/2/2012	0.014	0.012	ND	ND	ND
NIN-0.7	29/4/2012	0.034	0.019	ND	ND	ND
NIN-0.7	28/5/2012	0.175	0.02	ND	ND	ND
NIN-0.7	26/6/2012	0.068	0.015	ND	ND	ND
NIN-0.7	24/7/2012	0.023	0.023	ND	ND	ND
NIN-0.7	29/8/2012	0.022	0.018	ND	ND	ND
NIN-0.7	24/9/2012	0.021	0.016	ND	ND	ND
NIN-3.6	23/1/2012	0.016	0.012	ND	ND	ND
NIN-3.6	21/2/2012	0.015	0.011	ND	ND	ND
NIN-3.6	29/4/2012	0.02	0.015	ND	ND	ND
NIN-3.6	28/5/2012	0.085	0.017	ND	ND	ND
NIN-3.6	25/6/2012	0.055	ND	ND	ND	ND
NIN-3.6	25/6/2012	0.057	0.021	ND	ND	ND
NIN-3.6	24/7/2012	0.024	0.015	ND	ND	ND
NIN-3.6	29/8/2012	0.019	0.017	ND	ND	ND
NIN-3.6	24/9/2012	0.015	0.016	ND	ND	ND
SEV-0.2	1/10/2011	< 0.05	< 0.05	ND	ND	ND
SEV-0.2	3/12/2011	0.023	0.021	ND	ND	ND
SEV-0.2	22/1/2012	0.034	0.024	ND	ND	ND
SEV-0.2	23/2/2012	0.031	0.022	ND	ND	ND
SEV-0.2	29/4/2012	0.152	0.022	ND	ND	ND
SEV-0.2	27/5/2012	0.236	0.024	ND	ND	ND
SEV-0.2	25/6/2012	0.048	0.02	ND	ND	ND
SEV-0.2	24/7/2012	0.03	0.026	ND	ND	ND
SEV-0.2	30/8/2012	0.026	ND	ND	ND	ND
SEV-0.2	30/8/2012	0.028	0.025	ND	ND	ND
SEV-0.2	23/9/2012	0.032	0.027	ND	ND	ND
SEV-6.8	29/9/2011	< 0.05	< 0.05	175	ND	1.81
SEV-6.8	1/12/2011	0.025	0.028	ND	ND	ND
SEV-6.8	22/1/2012	0.028	0.027	ND	ND	ND
SEV-6.8	21/2/2012	0.029	0.022	ND	ND	ND
SEV-6.8	21/2/2012	0.028	ND	ND	ND	ND
SEV-6.8	29/4/2012	0.037	0.03	ND	ND	ND
SEV-6.8	28/5/2012	0.119	0.032	ND	ND	ND
SEV-6.8	25/6/2012	0.047	0.028	ND	ND	ND
SEV-6.8	24/7/2012	0.031	ND	ND	ND	ND

Table A1.1. Relevant water quality data collected from reference sites used in the estimation of background cadmium concentrations in B.C. waters.

Region / Source / Station ID ¹	Date (d/m/y)	Cadmium (µg/L)		Hardness (mg CaCO ₃ /L)	TSS (mg/L)	Turbidity (NTU)
		Total	Dissolved			
<i>Cardero Coal (Carbon Creek Project; cont.)</i>						
SEV-6.8	24/7/2012	0.031	0.032	ND	ND	ND
SEV-6.8	29/8/2012	0.034	0.027	ND	ND	ND
SEV-6.8	24/9/2012	0.034	0.025	ND	ND	ND
SIX-0.1	23/9/2012	0.025	0.014	ND	ND	ND
TEN-0.5	29/9/2011	< 0.05	< 0.05	180	ND	4.67
TEN-0.5	3/12/2011	0.018	0.014	ND	ND	ND
TEN-0.5	23/1/2012	0.018	0.016	ND	ND	ND
TEN-0.5	21/2/2012	0.018	0.014	ND	ND	ND
TEN-0.5	29/4/2012	0.042	0.018	ND	ND	ND
TEN-0.5	28/5/2012	0.058	0.017	ND	ND	ND
TEN-0.5	26/6/2012	0.027	ND	ND	ND	ND
TEN-0.5	26/6/2012	0.029	0.017	ND	ND	ND
TEN-0.5	25/7/2012	0.022	0.015	ND	ND	ND
TEN-0.5	29/8/2012	0.021	0.016	ND	ND	ND
TEN-0.5	24/9/2012	0.019	0.013	ND	ND	ND
TEN-5.8	3/12/2011	0.015	0.014	ND	ND	ND
TEN-5.8	23/1/2012	0.018	0.019	ND	ND	ND
TEN-5.8	21/2/2012	0.017	0.015	ND	ND	ND
TEN-5.8	29/4/2012	0.019	ND	ND	ND	ND
TEN-5.8	29/4/2012	0.02	0.019	ND	ND	ND
TEN-5.8	28/5/2012	0.034	0.019	ND	ND	ND
TEN-5.8	26/6/2012	0.025	0.013	ND	ND	ND
TEN-5.8	25/7/2012	0.018	0.018	ND	ND	ND
TEN-5.8	29/8/2012	0.019	0.016	ND	ND	ND
TEN-5.8	24/9/2012	0.021	0.02	ND	ND	ND
TEN-5.8	24/9/2012	0.02	ND	ND	ND	ND
TSE-1.5	24/9/2012	0.021	0.018	ND	ND	ND
UNN-1.8	29/9/2011	< 0.05	< 0.05	175	ND	0.15
UNN-1.8	3/12/2011	0.016	0.016	ND	ND	ND
UNN-1.8	23/1/2012	0.02	0.017	ND	ND	ND
UNN-1.8	23/2/2012	0.018	0.019	ND	ND	ND
UNN-1.8	29/4/2012	0.024	0.018	ND	ND	ND
UNN-1.8	28/5/2012	0.043	ND	ND	ND	ND
UNN-1.8	28/5/2012	0.047	0.026	ND	ND	ND
UNN-1.8	26/6/2012	0.025	0.022	ND	ND	ND
UNN-1.8	25/7/2012	0.022	0.021	ND	ND	ND
UNN-1.8	29/8/2012	0.022	0.021	ND	ND	ND
UNN-1.8	24/9/2012	0.026	0.019	ND	ND	ND
WIL-1.5	29/9/2011	0.117	< 0.05	ND	ND	ND
WIL-1.5	3/12/2011	0.028	0.02	ND	ND	ND
WIL-1.5	22/1/2012	0.016	< 0.01	ND	ND	ND
WIL-1.5	23/2/2012	0.011	< 0.01	ND	ND	ND
WIL-1.5	27/5/2012	0.068	0.022	ND	ND	ND
WIL-1.5	25/6/2012	0.214	0.06	ND	ND	ND

Table A1.1. Relevant water quality data collected from reference sites used in the estimation of background cadmium concentrations in B.C. waters.

Region / Source / Station ID ¹	Date (d/m/y)	Cadmium (µg/L)		Hardness (mg CaCO ₃ /L)	TSS (mg/L)	Turbidity (NTU)
		Total	Dissolved			
<i>Cardero Coal (Carbon Creek Project; cont.)</i>						
WIL-1.5	24/7/2012	0.03	0.015	ND	ND	ND
WIL-1.5	30/8/2012	0.02	0.007	ND	ND	ND
WIL-1.5	23/9/2012	0.02	0.011	ND	ND	ND
WIL-9.5	23/2/2012	0.012	< 0.01	ND	ND	ND
WIL-9.5	27/5/2012	0.021	ND	ND	ND	ND
WIL-9.5	27/5/2012	0.022	< 0.01	ND	ND	ND
WIL-9.5	30/8/2012	0.0204	0.0144	ND	ND	ND
<i>CKD Mines (Gething Coal Project)</i>						
D-01	4/10/2006	< 0.025	< 0.025	146	1.5	ND
D-01	7/12/2006	< 0.025	< 0.025	150	1.5	ND
D-01	11/1/2007	< 0.025	< 0.025	231	1.5	ND
D-01	8/2/2007	< 0.025	< 0.025	161	1.5	ND
D-01	8/3/2007	< 0.025	< 0.025	174	1.5	ND
D-01	3/4/2007	< 0.025	< 0.025	170	1.5	ND
D-01	16/5/2008	0.127	0.021	59.6	157	ND
D-01	16/7/2008	< 0.0085	< 0.0085	105	1.5	ND
D-01	6/11/2008	< 0.0085	< 0.0085	119	1.5	ND
D-01	25/11/2010	< 0.0085	< 0.0085	136	1.5	ND
D-01	25/1/2011	< 0.0085	< 0.0085	153	1.5	ND
D-01	15/3/2011	< 0.0085	< 0.0085	167	1.5	ND
D-01	17/4/2011	< 0.0085	< 0.0085	167	1.5	ND
D-01	4/5/2011	0.02	< 0.0085	123	9	ND
D-01	12/5/2011	0.086	0.022	75.2	87.4	ND
D-01	19/5/2011	0.153	0.027	48.1	177	ND
D-01	25/5/2011	0.076	0.023	48.5	92.9	ND
D-01	1/6/2011	0.027	0.019	47.4	21.9	ND
D-01	20/7/2011	0.051	0.024	74.7	14.3	ND
D-01	23/8/2011	0.02	0.014	138	5	ND
GA-01	15/3/2011	< 0.0085	< 0.0085	236	1.5	ND
GA-01	17/4/2011	< 0.0085	< 0.0085	234	1.5	ND
GA-01	4/5/2011	0.073	< 0.0085	204	46	ND
GA-01	12/5/2011	0.332	0.017	134	331	ND
GA-01	19/5/2011	0.448	0.054	90.4	282	ND
GA-01	25/5/2011	0.123	0.019	102	197	ND
GA-01	1/6/2011	0.053	< 0.0085	122	28.5	ND
GA-01	20/7/2011	0.046	0.015	147	60.3	ND
GA-01	23/8/2011	0.02	0.015	199	9.3	ND
GA-02	4/10/2006	< 0.025	< 0.025	208	1.5	ND
GA-02	7/12/2006	< 0.025	< 0.025	201	1.5	ND
GA-02	11/1/2007	< 0.025	< 0.025	239	1.5	ND
GA-02	8/2/2007	< 0.025	< 0.025	231	1.5	ND
GA-02	7/3/2007	< 0.025	< 0.025	231	1.5	ND
GA-02	3/4/2007	< 0.025	< 0.025	231	1.5	ND

Table A1.1. Relevant water quality data collected from reference sites used in the estimation of background cadmium concentrations in B.C. waters.

Region / Source / Station ID ¹	Date (d/m/y)	Cadmium (µg/L)		Hardness (mg CaCO ₃ /L)	TSS (mg/L)	Turbidity (NTU)
		Total	Dissolved			
<i>CKD Mines (Gething Coal Project; cont.)</i>						
GA-02	16/5/2008	0.066	< 0.0085	102	50.9	ND
GA-02	16/7/2008	0.127	< 0.0085	160	88.3	ND
GA-02	6/11/2008	< 0.0085	< 0.0085	177	1.5	ND
GA-02	25/11/2010	< 0.0085	< 0.0085	215	1.5	ND
GA-02	24/1/2011	< 0.0085	< 0.0085	213	1.5	ND
GA-02	15/3/2011	< 0.0085	< 0.0085	229	1.5	ND
GA-02	17/4/2011	< 0.0085	< 0.0085	223	1.5	ND
GA-02	4/5/2011	< 0.0128	< 0.0085	188	1.5	ND
GA-02	12/5/2011	0.149	0.0185	126	136	ND
GA-02	19/5/2011	0.171	0.0195	90.2	150	ND
GA-02	25/5/2011	0.0905	< 0.0153	97	83.2	ND
GA-02	1/6/2011	0.0405	< 0.0085	116	24.9	ND
GA-02	20/7/2011	0.033	0.018	141	15.6	ND
GA-02	23/8/2011	0.02	0.013	187	3	ND
GE-01	5/10/2006	< 0.025	< 0.025	195	1.5	ND
GE-01	16/5/2008	0.297	0.028	82.1	158	ND
GE-01	17/7/2008	< 0.0085	< 0.0085	144	1.5	ND
GE-01	7/11/2008	< 0.0085	< 0.0085	173	1.5	ND
GE-01	25/11/2010	< 0.0085	< 0.0085	198	1.5	ND
GE-01	19/5/2011	0.488	0.027	75.3	327	ND
GE-01	26/5/2011	0.108	0.044	81.8	181	ND
GE-01	1/6/2011	0.049	0.02	87.7	29.9	ND
GE-01	20/7/2011	0.059	0.022	125	36.9	ND
GE-01	23/8/2011	0.02	0.016	190	9.7	ND
GE-01A	3/4/2007	< 0.025	< 0.025	193	1.5	ND
GE-01A	16/5/2008	0.044	0.019	73.7	23.9	ND
GE-01A	16/7/2008	< 0.0085	< 0.0085	133	31.5	ND
GE-01A	6/11/2008	< 0.0085	< 0.0085	139	1.5	ND
GE-01A	19/5/2011	0.211	0.037	61.9	236	ND
GE-01A	26/5/2011	0.061	0.04	64.6	72.4	ND
GE-01A	1/6/2011	0.03	< 0.0085	63.8	20.5	ND
GE-01A	20/7/2011	0.037	0.021	93	12.3	ND
GE-01A	23/8/2011	0.02	0.018	164	5	ND
GE-02	4/10/2006	< 0.025	< 0.025	226	1.5	ND
GE-02	7/12/2006	< 0.025	< 0.025	194	1.5	ND
GE-02	11/1/2007	< 0.025	< 0.025	169	1.5	ND
GE-02	8/2/2007	< 0.025	< 0.025	218	1.5	ND
GE-02	8/3/2007	< 0.025	< 0.025	230	1.5	ND
GE-02	3/4/2007	< 0.025	< 0.025	219	1.5	ND
GE-02	16/5/2008	0.045	< 0.0085	84.8	13.9	ND
GE-02	16/7/2008	0.018	< 0.0085	156	1.5	ND
GE-02	6/11/2008	0.018	< 0.0085	168	1.5	ND
GE-02	25/11/2010	< 0.0085	< 0.0085	211	1.5	ND
GE-02	25/1/2011	< 0.0085	< 0.0085	219	1.5	ND

Table A1.1. Relevant water quality data collected from reference sites used in the estimation of background cadmium concentrations in B.C. waters.

Region / Source / Station ID ¹	Date (d/m/y)	Cadmium (µg/L)		Hardness (mg CaCO ₃ /L)	TSS (mg/L)	Turbidity (NTU)
		Total	Dissolved			
<i>CKD Mines (Gething Coal Project; cont.)</i>						
GE-02	15/3/2011	< 0.0085	< 0.0085	228	1.5	ND
GE-02	17/4/2011	< 0.0085	< 0.0085	228	1.5	ND
GE-02	4/5/2011	0.078	< 0.0085	181	92	ND
GE-02	12/5/2011	0.312	0.024	102	313	ND
GE-02	19/5/2011	0.272	0.035	73.5	315	ND
GE-02	25/5/2011	0.085	0.027	74.8	74.9	ND
GE-02	1/6/2011	0.038	0.028	86.4	18.5	ND
GE-02	20/7/2011	0.037	0.023	117	11.6	ND
GE-02	23/8/2011	0.02	0.02	193	3.7	ND
GE-03	4/10/2006	< 0.025	< 0.025	168	1.5	ND
GE-03	11/1/2007	< 0.025	< 0.025	190	1.5	ND
GE-03	8/2/2007	< 0.025	< 0.025	179	1.5	ND
GE-03	8/3/2007	< 0.025	< 0.025	186	1.5	ND
GE-03	25/11/2010	0.017	< 0.0085	178	1.5	ND
GE-04	24/1/2011	< 0.0085	< 0.0085	194	1.5	ND
GE-04	15/3/2011	< 0.0085	< 0.0085	192	1.5	ND
GE-04	17/4/2011	< 0.0085	< 0.0085	207	1.5	ND
GE-04	4/5/2011	0.066	< 0.0085	152	59	ND
GE-04	12/5/2011	0.257	0.025	90.7	342	ND
GE-04	25/5/2011	0.061	0.037	64.6	78.4	ND
GE-04	1/6/2011	0.033	0.019	65.3	21.9	ND
GE-04	20/7/2011	0.0385	0.0235	95.5	11	ND
GE-04	23/8/2011	0.02	0.013	168	3	ND
PE-01	16/5/2008	< 0.0085	< 0.0085	89.6	1.5	ND
PE-01	17/7/2008	0.036	< 0.0085	80.9	4.7	ND
PE-01	7/11/2008	0.029	< 0.0085	81	1.5	ND
PE-01	25/11/2010	0.0143	< 0.0085	95.8	1.5	ND
PE-01	1/6/2011	0.024	< 0.0085	101	4.5	ND
PE-02	16/5/2008	0.02	< 0.0085	90.2	7.9	ND
PE-02	17/7/2008	0.032	< 0.0085	76.6	4.2	ND
PE-02	7/11/2008	0.028	0.023	80.1	1.5	ND
PE-02	25/11/2010	0.019	< 0.0085	98.4	1.5	ND
PE-02	1/6/2011	0.027	< 0.0085	100	1.5	ND
PE-03	16/5/2008	< 0.0085	< 0.0085	93.6	1.5	ND
PE-03	17/7/2008	0.032	< 0.0085	76.6	3.7	ND
PE-03	7/11/2008	0.027	< 0.0133	82.3	1.5	ND
PE-03	25/11/2010	< 0.0085	< 0.0085	98.6	1.5	ND
TR-02	3/4/2007	< 0.025	< 0.025	243	1.5	ND
TR-02	16/5/2008	0.097	0.021	52.6	106	ND
TR-02	16/7/2008	0.024	< 0.0085	131	3	ND
TR-02	6/11/2008	< 0.0085	< 0.0085	148	1.5	ND
TR-02	25/11/2010	< 0.0085	< 0.0085	175	1.5	ND
TR-02	25/1/2011	< 0.0085	< 0.0085	242	1.5	ND

Table A1.1. Relevant water quality data collected from reference sites used in the estimation of background cadmium concentrations in B.C. waters.

Region / Source / Station ID ¹	Date (d/m/y)	Cadmium (µg/L)		Hardness (mg CaCO ₃ /L)	TSS (mg/L)	Turbidity (NTU)
		Total	Dissolved			
<i>Xstrata Coal (Goodrich Coal Project)</i>						
BC u/s	15/2/2011	0.025	0.014	138	ND	0.26
BC u/s	14/3/2011	0.015	0.02	57.3	ND	0.32
BC u/s	4/4/2011	0.016	0.015	ND	ND	ND
BC u/s	8/5/2011	0.02	0.017	125	ND	1.23
BC u/s	5/6/2011	0.028	0.019	45.2	ND	8.02
BC u/s	18/7/2011	0.029	0.022	62.5	ND	3.94
BC u/s	22/8/2011	0.019	0.021	114	ND	0.62
BC u/s	18/9/2011	0.017	0.016	133	ND	0.43
BC u/s	17/10/2011	0.028	0.018	86.3	ND	1.33

ND = no data

BCMOE = British Columbia Ministry of Environment; CABIN = Canadian Aquatic Biomonitoring Network;

CKD = Canadian Kailuan Dehua Mines Co., Ltd.; NTU = Nephelometric Turbidity Units; TSS = total suspended solids.

¹ Profile samples from lake sites are presented as station averages. For stations where there is more than one record presented for the same date, the sample was assumed to be a field replicate and was treated as a discrete sample.