

APPENDIX 2

A comparison of sediment arsenic concentrations (mg/kg) in the monsoon season determined by different methods. Preliminary values were determined by X-ray fluorescence and amended values were determined by atomic absorption spectrometry (see Methods and Materials section in text). Preliminary arsenic (As) values were used in statistical analysis for this report. SD = standard deviation. Unless stated otherwise, mean values shown in this report are arithmetic means.

Sample	Preliminary As value	Amended As value	Sample	Preliminary As value	Amended As value
S1/10	12	17	S5/10	7	14
S1/11	10	16	S5/11	6	14
S1/12	12	16	S5/12	5	11
S1/13	12	15	S5/13	11	17
S1/14	11	15	S5/14	6	14
S1/15	12	16	S5/15	9	17
S1/16	9	15	S5/16	7	14
S1/17	12	16	S5/17	8	14
S1/18	10	13	S5/18	7	14
Mean	11.11	15.44	Mean	7.33	14.33
SD	1.167	1.13	SD	1.803	1.803
S6/10	14	22	S7/10	7	14
S6/11	15	22	S7/11	8	15
S6/12	16	24	S7/12	8	14
S6/13	25	40	S7/13	11	19
S6/14	24	38	S7/14	8	18
S6/15	26	42	S7/15	9	16
S6/16	27	46	S7/16	9	15
S6/17	29	47	S7/17	7	14
S6/18	31	56	S7/18	7	15
Mean	23.00	37.44	Mean	8.22	15.56
SD	6.364	12.218	SD	1.302	1.810
S8/10	34	56	S10/10	19	25
S8/11	43	67	S10/11	16	21
S8/12	32	48	S10/12	17	21
S8/13	46	82	S10/13	15	19
S8/14	34	56	S10/14	14	19
S8/15	47	78	S10/15	13	19
S8/16	48	75	S10/16	21	35
S8/17	47	79	S10/17	26	37
S8/18	53	90	S10/18	25	37
Mean	42.67	70.11	Mean	18.44	25.89
SD	7.483	14.137	SD	4.693	8.069

Sample	Preliminary As value	Amended As value	Sample	Preliminary As value	Amended As value
S11/10	36	61	S12/10	23	35
S11/11	45	68	S12/11	15	21
S11/12	41	62	S12/12	8	12
S11/13	32	52	S12/13	33	49
S11/14	37	58	S12/14	37	57
S11/15	41	63	S12/15	32	49
S11/16	43	65	S12/16	24	36
S11/17	43	68	S12/17	24	33
S11/18	43	66	S12/18	25	36
Mean	40.11	62.56	Mean	24.56	36.44
SD	4.226	5.151	SD	9.015	14.090
S13/10	21	30	S14/10	2	7
S13/11	19	27	S14/11	3	9
S13/12	26	41	S14/12	3	7
S13/13	18	27	S14/13	4	8
S13/14	18	29	S14/14	6	11
S13/15	19	31	S14/15	6	11
S13/16	28	42	S14/16	5	9
S13/17	27	42	S14/17	6	13
S13/18	24	38	S14/18	4	10
Mean	22.22	34.11	Mean	4.33	9.44
SD	4.055	6.528	SD	1.500	2.007
S15/10	25	28	S16/10	4	7
S15/11	23	34	S16/11	3	7
S15/12	25	38	S16/12	2	7
S15/13	32	46	S16/13	1	5
S15/14	34	46	S16/14	2	5
S15/15	29	41	S16/15	2	5
S15/16	33	49	S16/16	2	6
S15/17	34	51	S16/17	2	5
S15/18	30	42	S16/18	3	6
Mean	29.44	41.67	Mean	2.33	5.89
SD	4.216	7.399	SD	0.866	0.928
S17/10	8	17	S18/10	24	36
S17/11	9	16	S18/11	24	37
S17/12	10	18	S18/12	24	41
S17/13	9	16	S18/13	29	45
S17/14	9	17	S18/14	27	38
S17/15	12	18	S18/15	27	40
S17/16	9	16	S18/16	31	48
S17/17	11	20	S18/17	34	54
S17/18	10	18	S18/18	28	44
Mean	9.67	17.33	Mean	27.56	42.56
SD	1.225	1.323	SD	3.432	5.833