

Table 5. ANOVA for the heavy metal elements measured in the study (Supplementary material).

<i>Analysis of variance of cadmium:</i>					
Source	DF	Sum of squares	Mean squares	F	Pr > F
Model	17	0.637	0.037	1.603	0.115
Error	36	0.841	0.023		
Corrected Total	53	1.478			
Source	DF	Sum of squares	Mean squares	F	Pr > F
<i>Analysis of variance of nickel:</i>					
Source	DF	Sum of squares	Mean squares	F	Pr > F
Model	17	1536.273	90.369	2.173	0.025
Error	36	1497.132	41.587		
Corrected Total	53	3033.406			
<i>Analysis of variance of zinc:</i>					
Source	DF	Sum of squares	Mean squares	F	Pr > F
Model	17	309434.039	18202.002	6.668	< 0.0001
Error	36	98272.514	2729.792		
Corrected Total	53	407706.553			
Source	DF	Sum of squares	Mean squares	F	Pr > F
<i>Analysis of variance of manganese:</i>					
Source	DF	Sum of squares	Mean squares	F	Pr > F
Model	17	179223.713	10542.571	2.648	0.007
Error	36	143349.166	3981.921		
Corrected Total	53	322572.878			
<i>Analysis of variance of lead:</i>					
Source	DF	Sum of squares	Mean squares	F	Pr > F
Model	17	207271.613	12192.448	11.871	< 0.0001
Error	36	36974.376	1027.066		
Corrected Total	53	244245.989			
Source	DF	Sum of squares	Mean squares	F	Pr > F

Table 6: Descriptive statistics of heavy metal concentrations (Supplementary material).

Sample Site	Manganese (mg/kg)	Lead (mg/kg)	Cadmium (mg/kg)	Nickel (mg/kg)	Zinc (mg/kg)
Settler's way (inbound)	345.27 ^b	53.65 ^{fg}	0.10 ^{bc}	20.24 ^{bc}	106.83 ^{cde}
Settler's way (outbound)	275.07 ^{bc}	33.47 ^g	0.24 ^{abc}	22.07 ^{bc}	132.59 ^{bcde}
Mdantsane Access (inbound)	274.47 ^{bc}	64.83 ^{efg}	0.20 ^{abc}	18.13 ^{bc}	192.81 ^{bcd}
Mdantsane Access (outbound)	376.29 ^b	47.49 ^{fg}	0.18 ^{bc}	19.23 ^{bc}	169.29 ^{bcde}
Gonubie Main (inbound)	308.40 ^{bc}	30.00 ^g	0.06 ^c	28.10 ^{ab}	157.53 ^{bcde}
Gonubie Main (outbound)	323.67 ^{bc}	104.36 ^{fg}	0.12 ^{bc}	39.87 ^a	130.71 ^{bcde}
Amalinda Main (inbound)	492.73 ^a	264.60 ^a	0.22 ^{abc}	24.64 ^{bc}	147.69 ^{bcde}
Amalinda Main (outbound)	346.33 ^b	140.43 ^{bc}	0.22 ^{abc}	22.72 ^{bc}	207.18 ^{bc}
Woolwash (inbound)	209.82 ^c	32.81 ^g	0.16 ^{bc}	14.72 ^c	80.14 ^e
Woolwash (outbound)	333.13 ^{bc}	36.00 ^g	0.32 ^{abc}	21.87 ^{bc}	77.41 ^e
Buffalo Pass (inbound)	279.87 ^{bc}	67.67 ^{defg}	0.13 ^{bc}	19.74 ^{bc}	101.76 ^{de}
Buffalo Pass (outbound)	322.87 ^{bc}	48.69 ^{fg}	0.12 ^{bc}	21.49 ^{bc}	111.75 ^{bcde}
Oxford Street (inbound)	275.47 ^{bc}	112.43 ^{cde}	0.21 ^{abc}	16.78 ^{bc}	97.99 ^{de}
Oxford Street (outbound)	260.07 ^{bc}	182.52 ^b	0.24 ^{abc}	18.55 ^{bc}	212.77 ^b
Buffalo Street (inbound)	297.67 ^{bc}	150.27 ^{bc}	0.49 ^a	18.30 ^{bc}	156.26 ^{bcde}

Buffalo Street (outbound)	350.87 ^b	124.10 ^{cd}	0.39 ^{ab}	28.43 ^{ab}	350.13 ^a
Devereux Avenue (inbound)	323.70 ^{bc}	105.98 ^{cdef}	0.33 ^{abc}	20.58 ^{bc}	340.33 ^a
Devereux Avenue (outbound)	291.67 ^{bc}	50.85 ^{fg}	0.09 ^{bc}	26.01 ^{bc}	129.08 ^{bcde}
minimum	170.74	25.00	0.0018	8.91	59.06
maximum	567.40	356.00	1.02	57.74	407.4
mean	316.22	88.76	0.21	22.69	161.24
kurtosis	1.66	3.31	10.11	10.65	0.76
skewness	1.13	1.62	2.51	2.51	1.27
*SD	78.01	67.89	0.17	7.08	87.71
variance	6086.28	4608.41	0.03	50.18	7692.58
*CV %	24.67	76.49	80.95	38.75	54.40

* Significance level at $p < 0.05$ for DMRT, means noted with the same letter(s) are not significantly different; *SD=Standard Deviation; *CV= Coefficient of variation