Hall & Anderson (2022) Supplemental SEM Cu Data

Study	Region	Site Type	Sites	Sub-sites	SEM Cu ug/g	Means
Alves et al (2007)	SE Coast of Brazil	Urban	Core 1	1A	22.60	32.56
				1B	34.10	
				1C	29.60	
				1D	40.00	
				1E	36.50	
			Core 8	8A	27.40	25.66
				8B	30.30	
				8C	20.90	
				8D	15.60	
				8E	22.30	
				8F	31.10	
				8G	34.20	
				8H	23.50	
			Core 19	19A	13.60	16.33
				19B	13.30	
				19C	13.60	
				19D	21.50	
				19E	10.50	
				19F	14.30	
				19G	19.90	
				19H	23.90	
Ankley et al 1993	Washington State	Urban-residential	Steilacoom Lake	SL1	56.56	107.90
				SL2	193.82	
				SL3	122.64	
				SL4	180.47	
				SL5	79.43	
				SL6	38.13	
				SL7	41.94	
				SL8	84.52	
				SL9	123.91	
				SL10	80.70	
				SL11	184.28	
Besser et al (1996)	Western Montana	Reference	Upper Clark Fork R & Milltown Reservoir	RC (ref.)	1.91	1.91
		Forest w/historical mining		MR19	46.39	264.99
				MR7	76.26	
				MR2	34.95	
				MR10	902.35	
		Forest w/historical mining		CF1	654.52	654.52
		Agr		CF4	36.22	36.22
Burton et al (2007)	Europe	Agr	Europe	Sweden	2.29	
				Sweden	3.37	4.85

Study	Region	Site Type	Sites	Sub-sites	SEM Cu ug/g	Means
Burton et al (2007)	Europe	Agr	Europe	Sweden	8.90	
				Denmark	1.84	
				Denmark	2.61	
				Denmark	4.51	
				Denmark	5.21	
				Denmark	7.31	
				Denmark	10.23	5.28
				England/Wales	7.12	
				England/Wales	7.88	
				England/Wales	8.83	
				England/Wales	9.85	
				England/Wales	10.17	
				England/Wales	10.99	15.37
				England/Wales	14.30	
				England/Wales	14.49	
				England/Wales	16.52	
				England/Wales	16.65	
				England/Wales	17.48	
				England/Wales	17.54	
				England/Wales	19.83	
				England/Wales	22.75	
				England/Wales	25.61	
				England/Wales	25.86	
				Finland	1.21	
				Finland	1.78	
				Finland	2.80	
				Finland	17.60	
				Finland	41.50	12.98
				Belgium	3.50	11.23
				Belgium	4.19	
				Belgium	10.74	
				Belgium	12.84	
				Belgium	13.41	
				Belgium	22.69	
				France	0.06	
				France	0.25	8.23
				France	0.51	
				France	1.84	
				France	5.08	
				France	7.05	
				France	9.09	
				France	9.21	
				France	13.47	

Study	Region	Site Type	Sites	Sub-sites	SEM Cu ug/g	Means
Burton et al (2007)	Europe	Agr	Europe	France	15.19	
				France	16.27	
				France	20.78	
				Germany	1.97	15.77
				Germany	4.58	
				Germany	6.16	
				Germany	6.74	
				Germany	7.05	
				Germany	8.07	
				Germany	13.92	
				Germany	17.35	
				Germany	76.13	
				Italy	3.05	
				Italy	3.56	3.30
Campana et al (2009)	SW Spain	Harbor	Guadalete Estuary	G1	4.45	46.39
					6.99	
					13.98	
					15.89	
					66.72	
					170.30	
		Agr		G2	11.44	14.00
					12.71	
					15.25	
					15.25	
					16.52	
					16.52	
		Agr		G3	10.80	
					12.07	
					12.71	
					13.98	
					14.62	
					15.89	
		Agr drain		S1	10.2	14.45
					13.3	
					14.0	
					14.6	
					16.5	
				S2	13.3	
					13.3	
					15.3	
					16.5	
					16.5	
					17.2	

Study	Region	Site Type	Sites	Sub-sites	SEM Cu ug/g	Means
Campana et al (2009)	SW Spain	Agr drain	Guadalete Estuary	S3	6.4	
					14.6	
					15.9	
					15.9	
					16.5	
					17.2	
				S4	5.7	
					13.3	
					14.6	
					14.6	
					15.3	
					15.3	
				S5	11.4	
					14.0	
					14.6	
					15.3	
					15.3	
					17.2	
				S6	9.5	
					10.2	
					10.8	
					15.9	
					17.8	
					17.8	
				S7	13.3	
					14.0	
					14.0	
					17.2	
					17.2	
					21.0	
Chai et al (2015)	SE China	Urban	Fengtanghe & Shenzhenhe Rivers	1	21.60	9.47
				2	14.08	
				3	12.17	
				4	13.83	
				5	9.07	
				6	6.03	
				7	5.38	
				8	8.16	
				9	12.48	
				10	12.78	
				11	20.09	
				12	2.51	
				13	3.75	

Study	Region	Site Type	Sites	Sub-sites	SEM Cu ug/g	Means
Chai et al (2015)	SE China	Urban	Fengtanghe & Shenzhenhe Rivers	14	0.00	
				15	1.58	
				16	8.00	
De Jong et al (2009)	N Belgium	Unknown	E of Antwerp	12	2.29	14.60
				11	3.94	
				14	5.34	
				8	7.63	
				4	9.15	
				6	10.7	
				7	11.3	
				17	11.9	
				1	12.5	
				2	14.1	
				13	15.1	
				16	16.3	
				15	18.0	
				9	21.2	
				10	22.9	
				3	25.4	
				5	40.6	
De Jong et al (2010)	N Belgium	Unknown	E of Antwerp	24	6.15	44.26
				14.00	6.41	
				9.00	8.97	
				18.00	8.97	
				26.00	9.48	
				12.00	9.99	
				3.00	10.25	
				17.00	10.25	
				5.00	11.27	
				22.00	12.81	
				7.00	13.07	
				2.00	13.32	
				20.00	14.86	
				8.00	15.12	
				21.00	15.37	
				27.00	15.50	
				10.00	17.04	
				1.00	19.22	
				16.00	19.60	
				19.00	20.11	
				13.00	21.27	
				4.00	21.78	
				28.00	24.60	

Study	Region	Site Type	Sites	Sub-sites	SEM Cu ug/g	Means
De Jong et al (2010)	N Belgium	Unknown	E of Antwerp	23.00	25.88	
				11.00	53.30	
				15.00	54.07	
				25.00	68.93	
				6.00	711.72	
EU Copper Institute (2008)	N Belgium	Unknown	Alveringem	YZ002	6.990	8.65
			Alveringem	YZ003	3.177	
			Balen	REFGN	5.719	
			Beersel	REFKA	15.89	
			Bree	DO028	2.542	
			Diksmuide	YZ011	1.271	
			Diksmuide	YZ012	0.635	
			Diksmuide	YZ013	0.635	
			Diksmuide	YZ014	0.635	
			Diksmuide	YZ015	0.635	
			Diksmuide	YZ016	1.271	
			Diksmuide	YZ017	0.635	
			Diksmuide	YZ018	0.635	
			Lommel	DO006	0.635	
			Lo-Reninge	REFBE	1.906	
			Lo-Reninge	YZ005	4.448	
			Lo-Reninge	YZ006	5.084	
			Lo-Reninge	YZ007	3.813	
			Lo-Reninge	YZ008	4.448	
			Lo-Reninge	YZ009	1.271	
			Lo-Reninge	YZ010	8.896	
			Mol	SN1-S	3.177	
			Mol	SN2-S	3.177	
			Mol	SN3-S	5.084	
			Mol	SN4-S	0.635	
			Neerpelt	DO001	12.07	
			Neerpelt	DO002	5.719	
			Neerpelt	DO003	6.990	
			Neerpelt	DO004	8.261	
			Neerpelt	DO005	8.261	
			Neerpelt	DO010	3.813	
			Nieuwpoort	YZ019	1.271	
			Nieuwpoort	YZ020	2.542	
			Overpelt	DO008	5.084	
			Overpelt	DO012	5.719	
			Overpelt	DO014	6.990	
			Overpelt	DO015	4.448	
			Overpelt	DO016	8.896	

Study	Region	Site Type	Sites	Sub-sites	SEM Cu ug/g	Means
EU Copper Institute (2008)	N Belgium	Unknown	Peer	DO017	5.719	
			Peer	DO018	1.906	
			Peer	DO019	3.177	
			Peer	DO020	3.177	
			Peer	DO021	8.261	
			Peer	DO022	3.177	
			Peer	DO024	3.813	
			Peer	DO025	6.355	
			Peer	DO026	3.813	
			Peer	DO027	0.635	
			Roesbrugge	REFYR	17.79	
			Roesbrugge	YZ001	12.07	
			Vleteren	YZ004	5.084	
			Aalst	499900	6.355	
			Aalst	500900	3.813	
			Aalst	503500	5.084	
			Aalter	776900	12.07	
			Alveringem	679028	4.448	
			Antwerpen	182590	9.532	
			Arendonk	305500	5.084	
			Avelgem	178100	5.719	
			Avelgem	666000	16.52	
			Beerse	842000	31.14	
			Beersel	366620	1.271	
			Bekkevoort	417500	10.17	
			Beringen	420200	11.44	
			Beringen	422550	6.990	
			Berlare	167000	3.813	
			Bocholt	107600	1.906	
			Bocholt	848750	6.355	
			Bonheiden	372500	5.084	
			Boortmeerbeek	802000	1.906	
			Brecht	68000	2.542	
			Damme	27000	5.719	
			Damme	705500	5.719	
			Deerlijk	631900	0.635	
			Denderleeuw	505300	11.44	
			Dendermonde	164000	10.80	
			Dendermonde	499500	4.448	
			Dessel	848200	8.896	
			Desteldonk (Gent)	38000	2.542	
			Diest	414400	23.51	
			Diksmuide	917850	0.000	

Study	Region	Site Type	Sites	Sub-sites	SEM Cu ug/g	Means
EU Copper Institute (2008)	N Belgium	Unknown	Diksmuide	933000	1.271	
			Doornzele	33100	0.000	
			Essen	63000	1.906	
			Evergem (Gent)	34700	1.271	
			geer Kanne	144000	19.70	
			Gent	34610	0.635	
			Gent	170500	2.542	
			Gent	172100	3.177	
			Gent	780000	1.906	
			Gent (Langerbrugge)	34100	4.448	
			Geraardsbergen	508000	18.43	
			Geraardsbergen	509000	9.532	
			Geraardsbergen	509500	11.44	
			Geraardsbergen	511000	8.896	
			Haacht	801000	6.355	
			Hamme	492000	19.70	
			Heist-Op-Den-Berg	318000	1.906	
			Hemiksem	162000	11.44	
			Herentals	845000	61.64	
			Herk-de-Stad	449800	5.084	
			Huizingen	366050	1.271	
			Hulsthout	255000	1.271	
			Humbeek	352500	1.906	
			Izegem	619000	10.17	
			Jabbeke	871090	3.177	
			Kinrooi	112000	8.261	
			Kluisbergen	177100	4.448	
			Knokke-Heist	28000	8.896	
			Koksijde	681000	1.271	
			Kortemark	921000	6.990	
			Kortenaken	425000	5.084	
			Kortrijk	579000	10.17	
			Kosijde	680010	3.177	
			Lanaken	141200	5.719	
			Lanaken	856000	33.04	
			Langmark	967000	10.17	
			Lembeek	355500	14.62	
			Leuven	220000	3.177	
			Leuven	803000	8.896	
			Liedekerke	527900	22.88	
			Lommel	848300	5.084	
			Londerzeel	228900	12.07	
			Loppem	893010	5.719	

Study	Region	Site Type	Sites	Sub-sites	SEM Cu ug/g	Means
EU Copper Institute (2008)	N Belgium	Unknown	Lummen	454000	4.448	
			Maaseik	852500	6.990	
			Maldegem	766300	9.532	
			Mechelen	211900	10.80	
			Mechelen	250000	20.33	
			Mechelen	341000	0.000	
			Mechelen	800000	8.896	
			Mechelen (Muizen)	212400	10.80	
			Meerhout	335100	1.271	
			Meeuwen-Gruitrode	130250	52.11	
			Meeuwen-Gruitrode	133100	6.990	
			Melle	168900	8.261	
			Merksplas	74200	2.542	
			Mesch	147000	8.896	
			Mesen	672054	12.07	
			Mesen	949050	8.896	
			Moerbeke	39500	1.271	
			Mol	87800	3.177	
			Mol	304700	1.906	
			Mol	842600	3.177	
			Niel	210000	10.17	
			Nieuwpoort	856500	1.271	
			Nijlen	315400	4.448	
			Ninove	528940	9.532	
			Okegem	527955	6.355	
			Oudenaarde	174000	1.906	
			Oud-Turnhout	306200	3.813	
			Pecq	179000	28.60	
			Poperinge	916000	20.33	
			Poperinge	979400	10.80	
			Poperinge	979700	27.32	
			Poperinge	990040	41.30	
			Retie	307400	3.177	
			Rotselaar	386000	0.000	
			Scherpenheuvel-zichem	410600	40.67	
			Schoten	840000	24.78	
			Sint-Gillis-Waas	192200	6.355	
			Slenaken	153000	1.906	
			St Martens Latem	572000	0.635	
			Stade	924800	0.635	
			St-Pieters-Leeuw	347000	45.75	
			St-Pieters-Leeuw	355000	17.16	
			Temse	162800	4.448	

Study	Region	Site Type	Sites	Sub-sites	SEM Cu ug/g	Means
EU Copper Institute (2008)	N Belgium	Unknown	Terlanen	488000	3.177	
			Tielt	598200	10.80	
			Tielt	598300	8.896	
			Tielt	598870	13.34	
			Tongeren	145000	10.17	
			Torhout	930000	2.542	
			Torhout	932000	5.719	
			Turnhout	292450	6.355	
			Vilvoorde	354000	6.990	
			Voeren	148700	5.084	
			Voeren	149100	8.261	
			Vorselaar	281000	1.271	
			Vorselaar	289000	62.28	
			Vosselaar	298000	27.32	
			Welle	522000	8.896	
			Wervik/Menen	665000	10.80	
			Westerlo	319410	10.17	
			Wevelgem	651400	6.355	
			Wevelgem	905300	2.542	
			Wingene	904000	4.448	
			Wingene	905500	9.532	
			Wuustwezel	70000	1.271	
			Zeebrugge	877800	6.990	
			Zele	165000	11.44	
			Zelzate	30000	9.532	
			Zemst (Eppegem)	344500	49.57	
			Zemst (Eppegem)	357900	0.000	
			Zingem	173000	10.80	
			Zonnebeke	960510	10.80	
			Zwevegem	632800	10.80	
			Zwevegem	659000	14.62	
			na	510000	31.14	
			na	684150	11.44	
Hall et al (2009)	Antioch, California	Urban	Kirker Creek	KC8	0.191	3.05
				KC1	0.191	
				KC10	0.191	
				KC12	0.191	
				KC2	0.191	
				KC3	0.191	
				KC4	0.191	
				KC9	0.191	
				KC7	0.191	
				KC4	1.462	

Study	Region	Site Type	Sites	Sub-sites	SEM Cu ug/g	Means
Hall et al (2009)	Antioch, California	Urban	Kirker Creek	KC6	1.462	
				KC5	1.652	
				KC1	2.097	
				KC12	2.860	
				KC6	3.451	
				KC11	4.130	
				KC10	4.321	
				KC7	4.957	
				KC9	5.084	
				KC2	5.465	
				KC8	5.719	
				KC11	8.058	
				KC3	8.261	
				KC5	12.56	
		Agr		KC13	0.191	4.21
				KC14	0.191	
				KC13	4.067	
				KC14	12.39	
Hall et al (2013)	Sacramento, California	Urban	Arcade Creek	ARC 1a	7.753	4.71
				ARC 1	11.06	
				ARC 2	5.211	
				ARC 3	4.448	
				ARC 4	4.003	
				ARC 5	4.766	
				ARC 6	7.626	
				ARC 7	2.415	
				ARC 8	0.953	
				ARC 9	1.716	
				ARC 10	1.843	
Hall et al (2013)	Salinas, California	Urban-Salinas	Salinas Streams	GAB 1	20.65	8.49
				GAB 2	9.850	
				GAB 4	6.545	
				GAB 5	10.29	
				NAT 1	5.846	
				NAT 2	3.813	
				NAT 3	3.622	
				ALS 1	11.12	
				ALS 2	8.706	
				ALS 3	7.117	
				ALS 4	5.846	
		Agr-Salinas		GAB 3	8.261	5.46
				NAT 4	2.669	
Hall et al (2015)	Rio Vista, California	Agr	Cache Slough	CS-01	17.80	23.79

Study	Region	Site Type	Sites	Sub-sites	SEM Cu ug/g	Means
Hall et al (2015)	Rio Vista, California	Agr	Cache Slough	CS-01	18.40	
				CS-01	21.70	
				CS-01	22.30	
				CS-01	28.00	
				CS-01	28.60	
				CS-02	13.30	
				CS-02	17.20	
				CS-02	19.60	
				CS-02	22.20	
				CS-02	22.90	
				CS-02	26.10	
				CS-03	15.90	
				CS-03	15.90	
				CS-03	18.40	
				CS-03	19.10	
				CS-03	20.80	
				CS-03	24.10	
				CS-04	16.90	
				CS-04	17.80	
				CS-04	22.20	
				CS-04	23.50	
				CS-04	28.60	
				CS-04	32.40	
				CS-05	20.30	
				CS-05	24.10	
				CS-05	25.20	
				CS-05	26.70	
				CS-05	34.10	
				CS-05	34.30	
				CS-06	27.60	
				CS-06	28.00	
				CS-06	29.90	
				CS-06	32.40	
				CS-06	34.30	
				CS-06	38.80	
				CS-07	24.70	
				CS-07	25.40	
				CS-07	27.30	
				CS-07	29.20	
				CS-07	34.20	
				CS-07	59.10	
				CS-08	8.90	
				CS-08	9.50	

Study	Region	Site Type	Sites	Sub-sites	SEM Cu ug/g	Means
Hall et al (2015)	Rio Vista, California	Agr	Cache Slough	CS-08	9.80	
				CS-08	25.20	
				CS-08	26.10	
				CS-08	46.40	
				CS-09	13.20	
				CS-09	20.30	
				CS-09	21.00	
				CS-09	23.60	
				CS-09	25.40	
				CS-09	31.10	
				CS-10	8.90	
				CS-10	11.40	
				CS-10	17.20	
				CS-10	17.30	
				CS-10	19.10	
				CS-10	26.20	
				CS-11	14.00	
				CS-11	14.00	
				CS-11	17.80	
				CS-11	21.60	
				CS-11	25.40	
				CS-11	27.90	
				CS-12	17.70	
				CS-12	24.10	
				CS-12	26.40	
				CS-12	29.90	
				CS-12	31.10	
				CS-12	33.00	
Hall et al (2017)	N Illinois	Agr	Big Bureau Creek	BC 1	5.084	4.63
				BC 1	3.813	
				BC 1	5.020	
				BC 2	4.448	
				BC 2	3.177	
				BC 2	4.575	
				BC 3	4.448	
				BC 3	3.177	
				BC 3	4.067	
				BC 4	5.719	
				BC 4	5.084	
				BC 4	4.575	
				BC 5	5.719	
				BC 5	5.084	
				BC 5	5.846	

Study	Region	Site Type	Sites	Sub-sites	SEM Cu ug/g	Means
Hall et al (2017)	N Illinois	Agr	Big Bureau Creek	BC 6	4.448	
				BC 6	3.813	
				BC 6	4.766	
				BC 7	4.448	
				BC 7	3.813	
				BC 7	5.211	
				BC 8	6.355	
				BC 8	4.448	
				BC 8	4.130	
				BC 9	6.355	
				BC 9	3.177	
				BC 9	5.211	
				BC 10	4.448	
				BC 10	2.542	
				BC 10	3.495	
				BC 11	7.626	
				BC 11	4.448	
				BC 11	4.893	
				BC 12	5.084	
				BC 12	3.813	
				BC 12	4.385	
Hall et al (2018)	Santa Maria, Californa	Agr	Santa Maria	SM 1	8.896	11.54
				SM 2	10.17	
				SM 3	7.626	
				SM 4	8.896	
				SM 5	8.896	
				SM 6	10.17	
				SM 7	13.34	
				SM 8	8.896	
				SM 9	12.07	
				SM 10	10.80	
				SM 11	20.33	
				SM 12	18.43	
Hall et al (2021)	Pleasant Grove, California	Urban-PGC	Pleasant Grove Creek	PGC9	0.508	21.48
				PGC1	0.515	
				PGC1	0.635	
				PGC9	0.972	
				PGC10	1.271	
				PGC1	1.271	
				PGC2	1.379	
				PGC21	1.398	
				PGC10	1.652	
				PGC4	1.716	

Study	Region	Site Type	Sites	Sub-sites	SEM Cu ug/g	Means
Hall et al (2021)	Pleasant Grove, California	Urban-PGC	Pleasant Grove Creek	PGC19	2.161	
				PGC2	2.224	
				PGC19	2.288	
				PGC16	2.319	
				PGC3	2.478	
				PGC9	2.478	
				PGC8	2.542	
				PGC9	2.542	
				PGC8	2.586	
				PGC14	2.675	
				PGC9	2.732	
				PGC12	2.834	
				PGC3	3.012	
				PGC19	3.114	
				PGC19	3.177	
				PGC18	3.177	
				PGC2	3.177	
				PGC20	3.292	
				PGC1	3.304	
				PGC18	3.304	
				PGC19	3.368	
				PGC18	3.431	
				PGC20	3.749	
				PGC2	3.813	
				PGC1	3.813	
				PGC10	3.813	
				PGC12	3.813	
				PGC17	3.902	
				PGC16	4.003	
				PGC20	4.003	
				PGC14	4.003	
				PGC19	4.003	
				PGC2	4.067	
				PGC4	4.130	
				PGC10	4.448	
				PGC19	4.448	
				PGC10	4.550	
				PGC3	4.702	
				PGC9	5.084	
				PGC4	5.084	
				PGC10	5.401	
				PGC21	5.401	
				PGC15	5.592	

Study	Region	Site Type	Sites	Sub-sites	SEM Cu ug/g	Means
Hall et al (2021)	Pleasant Grove, California	Urban-PGC	Pleasant Grove Creek	PGC4	5.630	
				PGC1	5.719	
				PGC12	5.719	
				PGC15	5.719	
				PGC4	5.719	
				PGC20	5.719	
				PGC11	5.795	
				PGC14	5.910	
				PGC4	5.973	
				PGC12	6.100	
				PGC22	6.100	
				PGC15	6.132	
				PGC11	6.164	
				PGC20	6.164	
				PGC2	6.228	
				PGC11	6.355	
				PGC17	6.545	
				PGC3	6.736	
				PGC18	6.806	
				PGC3	6.990	
				PGC18	6.990	
				PGC12	6.990	
				PGC9	7.346	
				PGC9	7.435	
				PGC9	7.626	
				PGC2	7.626	
				PGC1	7.626	
				PGC19	7.664	
				PGC10	7.880	
				PGC12	8.261	
				PGC4	8.363	
				PGC8	8.642	
				PGC18	8.769	
				PGC3	8.896	
				PGC8	9.087	
				PGC9	9.087	
				PGC10	9.475	
				PGC8	9.532	
				PGC21	9.532	
				PGC14	10.17	
				PGC10	10.23	
				PGC15	10.42	
				PGC4	10.42	

Study	Region	Site Type	Sites	Sub-sites	SEM Cu ug/g	Means
Hall et al (2021)	Pleasant Grove, California	Urban-PGC	Pleasant Grove Creek	PGC8	10.42	
				PGC22	10.80	
				PGC16	10.80	
				PGC20	10.80	
				PGC15	10.87	
				PGC1	11.37	
				PGC19	11.44	
				PGC19	11.50	
				PGC14	12.07	
				PGC3	12.07	
				PGC3	13.28	
				PGC14	13.34	
				PGC18	13.47	
				PGC20	13.98	
				PGC12	13.98	
				PGC1	14.11	
				PGC16	14.23	
				PGC20	14.45	
				PGC4	14.62	
				PGC21	15.30	
				PGC8	15.68	
				PGC2	15.76	
				PGC12	15.89	
				PGC11	15.89	
				PGC3	16.35	
				PGC4	16.52	
				PGC11	16.90	
				PGC20	17.09	
				PGC2	17.16	
				PGC15	17.73	
				PGC2	18.09	
				PGC20	18.17	
				PGC17	18.62	
				PGC8	19.06	
				PGC15	19.06	
				PGC16	19.06	
				PGC16	19.70	
				PGC21	19.70	
				PGC17	20.14	
				PGC3	20.65	
				PGC16	20.92	
				PGC17	20.97	
				PGC15	21.40	

Study	Region	Site Type	Sites	Sub-sites	SEM Cu ug/g	Means
Hall et al (2021)	Pleasant Grove, California	Urban-PGC	Pleasant Grove Creek	PGC11	22.24	
				PGC15	22.50	
				PGC21	23.51	
				PGC11	23.51	
				PGC21	23.70	
				PGC14	24.27	
				PGC21	24.40	
				PGC1	25.10	
				PGC14	26.09	
				PGC12	26.87	
				PGC21	27.58	
				PGC17	27.96	
				PGC14	29.29	
				PGC16	29.68	
				PGC8	33.04	
				PGC18	33.30	
				PGC12	33.87	
				PGC15	45.75	
				PGC22	50.07	
				PGC14	50.84	
				PGC8	58.91	
				PGC18	61.00	
				PGC16	61.64	
				PGC18	63.42	
				PGC22	67.36	
				PGC11	68.95	
				PGC22	77.53	
				PGC17	83.88	
				PGC11	86.33	
				PGC17	96.02	
				PGC17	115.8	
				PGC22	120.1	
				PGC11	120.9	
				PGC17	127.5	
				PGC22	162.8	
				PGC22	200.4	
				PGC22	214.9	
				PGC22	251.7	
		Agr-PGC		PGC7	0.191	6.94
				PGC6	0.508	
				PGC5	0.635	
				PGC5	1.271	
				PGC6	2.224	

Study	Region	Site Type	Sites	Sub-sites	SEM Cu ug/g	Means
Hall et al (2021)	Pleasant Grove, California	Agr-PGC	Pleasant Grove Creek	PGC5	2.415	
				PGC7	2.415	
				PGC5	2.669	
				PGC7	2.860	
				PGC6	3.597	
				PGC6	3.813	
				PGC6	3.940	
				PGC5	4.988	
				PGC7	5.211	
				PGC6	5.656	
				PGC7	5.719	
				PGC5	6.355	
				PGC6	7.626	
				PGC5	8.261	
				PGC6	8.261	
				PGC7	8.261	
				PGC7	8.261	
				PGC6	10.49	
				PGC5	10.99	
				PGC6	11.08	
				PGC5	12.79	
				PGC7	13.79	
				PGC7	15.45	
				PGC5	16.71	
				PGC7	21.86	
Mendez-Fernandeza et al (2014)	N Belgium	Control-Spain	Nete/Scheldt River Basins	CN	1.91	1.91
		Unknown-Belgium		SN	0.64	56.13
				KN	145.52	
				MN	22.24	
Nizoli &Silva (2012)	SE Coast of Brazil	Urban-forest	Santos-Cubatao Estuary	24–30	< 0.0127	8.649
				40–50	< 0.0127	
				9–12	< 0.0127	
				24–30	< 0.0127	
				40–50	< 0.0127	
				9–12	0.019	
				30–40	0.025	
				12–18	0.038	
				18–24	0.038	
				50–60	0.038	
				30–40	0.051	
				50–60	0.064	
				6–9	0.076	
				12–18	0.083	

Study	Region	Site Type	Sites	Sub-sites	SEM Cu ug/g	Means
Nizoli &Silva (2012)	SE Coast of Brazil	Urban-forest	Santos-Cubatao Estuary	18–24	0.121	
				6–9	0.210	
				3–6	0.521	
				60–70	0.597	
				3–6	0.731	
				50–60	0.820	
				50–60	1.074	
				30–40	1.207	
				40–50	1.328	
				60–70	1.417	
				0–3	1.627	
				0–3	2.491	
				40–50	3.152	
				0–3	3.527	
				9–12	4.766	
				30–40	6.011	
				18–24	6.177	
				3–6	7.327	
				6–9	7.606	
				24–30	7.861	
				12–18	8.229	
				24–30	8.947	
				6–9	10.422	
				40–50	11.394	
				30–40	13.726	
				3–6	14.622	
				0–3	17.952	
				18–24	20.455	
				9–12	21.072	
				6–9	22.050	
				0–3	22.228	
				12–18	24.554	
				3–6	25.984	
				24–30	30.642	
				18–24	32.142	
				12–18	45.620	
				9–12	52.006	
Patton & Crecelius (2001)	Washington State	Desert	Washington State Desert	100-F Area Slough	5.46	8.63
				Old Hanford Townsite Slough	6.93	
				Richland Pumphouse	12.01	
				White Bluffs Slough	7.12	
				100-F Area Slough	6.55	
				Old Hanford Townsite Slough	5.27	

Study	Region	Site Type	Sites	Sub-sites	SEM Cu ug/g	Means
Patton & Crecelius (2001)	Washington State	Desert	Washington State Desert	Richland Pumphouse	9.21	
				White Bluffs Slough	12.58	
				100-F Area Slough	9.66	
				Old Hanford Townsite Slough	9.66	
				White Bluffs Slough	10.49	
		Agr		2/3 From Grant County Shore	15.63	17.67
				Near Grant County Shore	15.63	
				Near Yakima County Shore	15.89	
				1/3 From Grant County Shore	10.36	
				2/3 From Grant County Shore	14.74	
				Grant County Shore Near Dam	25.29	
				Near Grant County Shore	10.87	
				Near Yakima County Shore	25.35	
				Yakima County Shore Near Dam	24.97	
				1/3 From Grant County Shore	4.38	
				2/3 From Grant County Shore	14.55	
				Grant County Shore Near Dam	30.50	
				Near Grant County Shore	12.96	
				Near Yakima County Shore	16.33	
				Yakima County Shore Near Dam	27.52	
		Agr		1/3 From Oregon Shore	18.56	15.93
				2/3 From Oregon Shore	18.87	
				Near Oregon Shore	20.91	
				Near Washington Shore	6.80	
				1/3 From Oregon Shore	19.06	
				2/3 From Oregon Shore	16.46	
				Near Oregon Shore	19.13	
				Near Washington Shore	10.04	
				Oregon Shore Near Dam	16.20	
				Washington Shore Near Dam	16.97	
				1/3 From Oregon Shore	18.17	
				2/3 From Oregon Shore	15.51	
				Near Oregon Shore	15.63	
				Near Washington Shore	9.53	
				Oregon Shore Near Dam	16.78	
				Washington Shore Near Dam	16.33	
		Agr		Franklin County Shore	12.90	12.31
				Mid River	15.70	
				Walla Walla County Shore	15.12	
				Franklin County Shore	4.64	
				Mid River	13.15	
				Walla Walla County Shore	12.33	
Pignotti et al (2018)	Ravenna, NE Italy	Agr	Pialassa Piomboni Lagoon		0.32	6.35

Study	Region	Site Type	Sites	Sub-sites	SEM Cu ug/g	Means
Pignotti et al (2018)	Ravenna, NE Italy	Agr	Pialassa Piomboni Lagoon		88.96	
Poot et al (2009)	SE Netherlands	Agr	Beekloop (stream)	Liskesbrug 1	76.26	53.22
				Liskesbrug 2	60.37	
				Liskesbrug 3	57.19	
				Liskesbrug 4	19.06	
Prica et al (2008)	N Serbia	Agr	Various rivers, canals, streams	Begej-1	69.90	45.42
				Begej-1	96.59	
				Begej-2	45.12	
				Begej-2	54.65	
				Danube-2	62.28	
				Kudos	54.65	
				Kudos	54.65	
				Nadela	51.47	
				Nadela	70.54	
				Sava-Sabac	6.35	
				Sava-Sabac	6.35	
				Tamis-1	43.85	
				Tamis-1	43.85	
				Tamis-2	17.16	
				Tamis-2	36.22	
				Tisa-1	10.17	
				Tisa-1	48.29	
		Urb		Begej-3	12.71	17.58
				Begej-3	12.71	
				Danube-1	23.51	
				Danube-1	23.51	
				DTD-Canal	16.52	
				DTD-Canal	16.52	
Remali et al (2018)	SE Coast of Australia	Reference/Control	Lane Cove Estuary	Reference/Control	25.00	25.00
Shyleshchandran et al (2018)	SW Coast of India	Urb	Vembanad Lake System	Min	0.64	9.53
				Max	35.59	
Simpson et al (1998)	SE Coast of Australia	Control	Cooks River Estuary	Control	7.43	7.43
Van Den Berg et al (1998)	SW Netherlands	Agr	Meuse/Rhine River Delta	A	38.13	56.66
				A	57.19	
				B	19.06	
				B	69.90	
				C	63.55	
				C	76.26	
				D	57.19	
				D	69.90	
				A	50.84	
				B	38.13	
				C	69.90	

Study	Region	Site Type	Sites	Sub-sites	SEM Cu ug/g	Means
Van Den Berg et al (1998)	SW Netherlands	Agr	Meuse/Rhine River Delta	D	69.90	
Van Den Berg et al (2001)	N Netherlands	Agr	Lake Ketel	A	37.49	35.28
					35.59	
					34.95	
					31.77	
					31.14	
					34.95	
					30.50	
					24.15	
					19.06	
					18.43	
				B	39.40	
					32.41	
					29.87	
					26.69	
					19.70	
					16.52	
					14.62	
					17.79	
					13.34	
					23.51	
				C	58.46	
					54.01	
					50.20	
					48.29	
					51.47	
					48.29	
					48.29	
					51.47	
					47.66	
					47.66	
				D	38.13	
					36.22	
					39.40	
					40.67	
					39.40	
					36.86	
					30.50	
					33.68	
					40.03	
					38.76	
Van Den Hoop et al (1997)	Netherlands / Belgium	Coastal-reference	Netherlands / Belgium	11 Schouwen-Duiveland I•	1.27	1.27
				12 Schouwen-Duiveland 4•	0.64	

Study	Region	Site Type	Sites	Sub-sites	SEM Cu ug/g	Means
Van Den Hoop et al (1997)	Netherlands / Belgium	Coastal-reference	Netherlands / Belgium	15 Ter Heijden 4•	2.54	
				17 Terschelling I 00•	1.27	
				18 Vlieland 70•	1.27	
				19 Vlieland 4•	0.64	
				20 Terschelling 70•	1.27	
				21 Ter Heijden 2•	1.27	
		Urban		2 Botlek	49.57	17.09
				3 Appelzak	2.54	
				4 Geul Zandvliet /Berendrechtsluis	26.69	
				5 Geul Boudewijn v Cauwelaertsluis	21.61	
				7 Nieuwersluis	6.35	
				8 Geul Kallosluis	33.68	
				10 Leeghwaterplas	1.27	
				13 Drempel van Lillo	22.24	
				14 Drempel van Zandvliet	5.08	
				16 Sluissche Hompels	1.91	
		Agr		I Schoonrewoerdse wiel	20.97	34.53
				6 Oostvaarders Plassen	10.80	
				9 Ketelmeer	71.81	
Wang et al (2019)	SE Coast of China	Urb-Indust	Maluan Bay	ML1	75.13	68.94
				ML2	54.45	
				ML3	122.99	
				ML4	52.14	
				ML5	59.99	
				ML6	19.97	
				ML7	20.02	
				ML8	146.85	
Yin et al (2008)	NE Coast of China	Urb	Meiliang Bay & Wuli Lake	0.00	43.85	23.33
				1.00	29.87	
				3.00	17.16	
				5.00	9.53	
				32.00	29.87	
				9.00	13.98	
				15.00	19.06	