

Supporting Information

Enrichment of heavy metals in sediment resulting from soil erosion on agricultural fields

John N. Quinton^{1,} and John A. Catt^{2,3}*

¹Department of Environmental Science, Lancaster University, Lancaster, LA1 4YQ,
UK.

²Department of Geography, University College London, Pearson Building, Gower
Street, London WC1E 6BT, UK.

³Agricultural and Environment Division, Rothamsted Research, Harpenden,
Hertfordshire AL5 2JQ, UK.

*corresponding author. Fax: +44(0)1524 593985

Email: J.Quinton@Lancaster.ac.uk

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Table S1. Copper containing agrochemicals applied to the soil of Great Hill, Woburn, 1875–1998

Compound	Function	Date(s) of application
Blitox ($3\text{Cu}(\text{OH})_2 \cdot \text{CuCl}_2$)	fungicide	1980/81
Coppesan (Cu_2O)	fungicide	1959/60
Bordeaux mixture ($\text{CuSO}_4 + \text{Ca}(\text{OH})_2$)	fungicide	1920/21, 1924/25
Bluestone ($3\text{Cu}(\text{OH})_2 \cdot \text{CuCl}_2$)	seed dressing	1914/15
Copper sulphate (CuSO_4),	seed dressing	1896/97, 1897/98, 1900/01, 1923/24

Table S2. Planting and harvest dates, crop, rainfall, number of rain days and the maximum number of runoff events of the Woburn Erosion Reference Experiment (1988-94)

Year	Planting date		Harvest date	Crop	Rainfall (mm)	Rain days	Maximum number of runoff events
1988	March 30, 1988		August 17, 1988	Spring barley			
1989	May 10, 1989		October 10, 1989	Potatoes	153	47	1
1989				Fallow	45	12	1
1989/90	October 31, 1989		August 7, 1990	Winter wheat	459	105	13
1990				Fallow	37	12	0
1990/91	September 22, 1990		August 6, 1991	Winter barley	512	152	2
1991/92				Fallow	335	96	1
1992	April 9, 1992		November 16, 1992	Sugar beet	597	118	10
1992				Fallow	172	42	9
1992/93	January 26, 1993		August 19, 1993	Winter wheat	350	91	2
1993				Fallow	201	36	0
1993/94	October 15, 1993		July 26, 1994	Winter barley	493	152	7
1994/95				Fallow	495	144	2

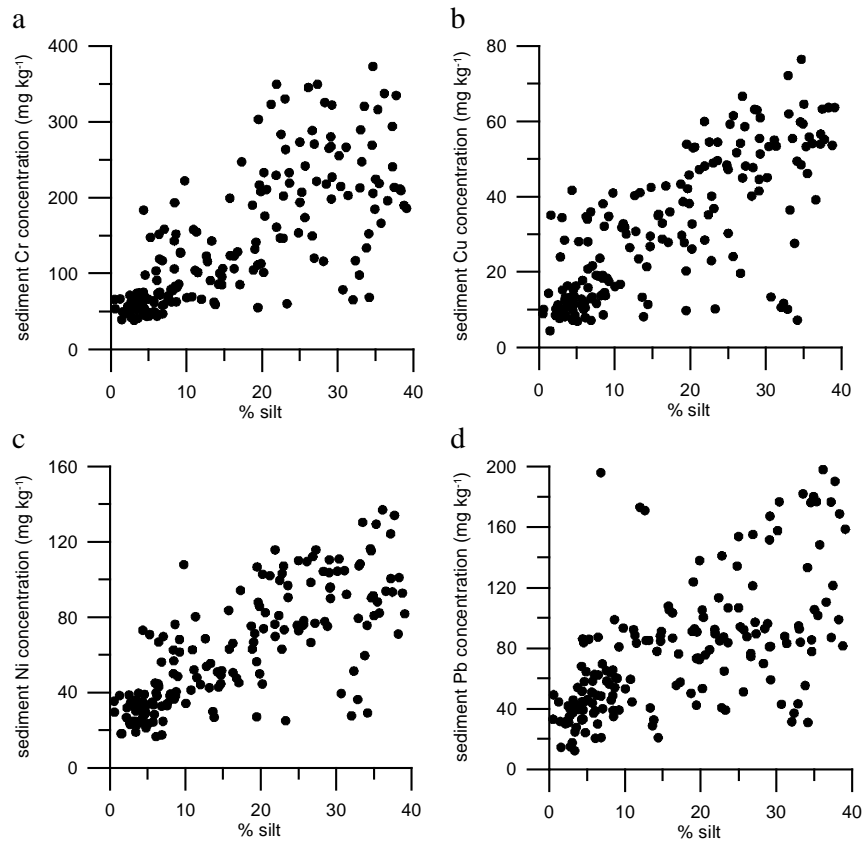


Figure S1. Relationship between silt content and metal concentration in eroded sediments from the Woburn Erosion Reference Experiment.

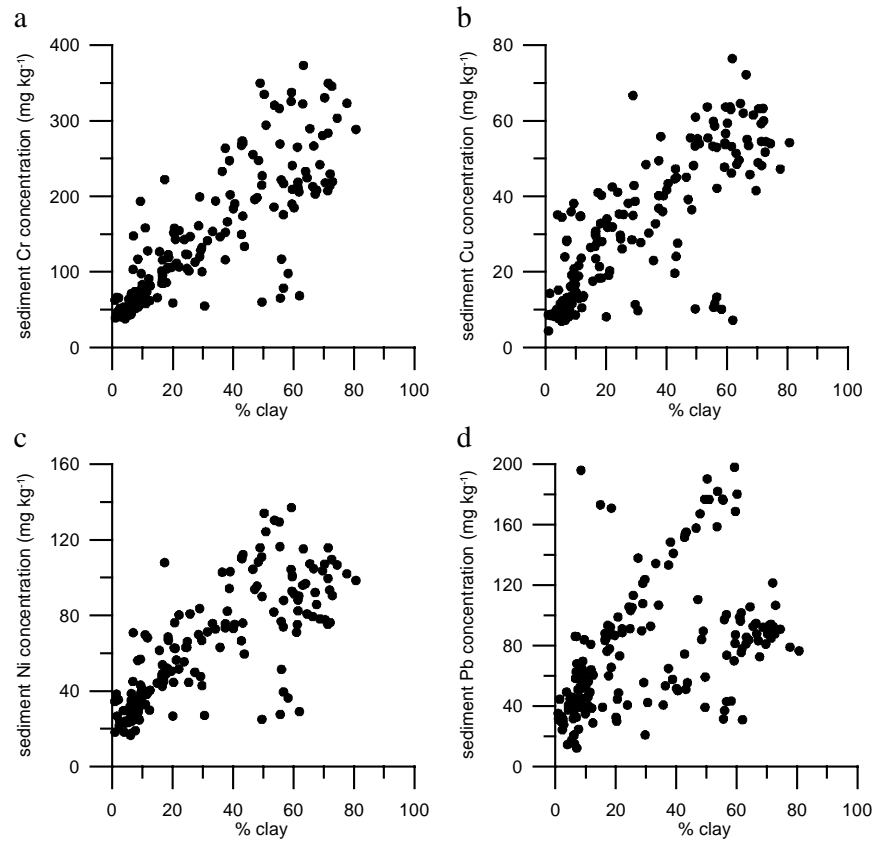


Figure S2. Relationship between clay content and metal concentration in eroded sediments from the Woburn Erosion Reference Experiment.

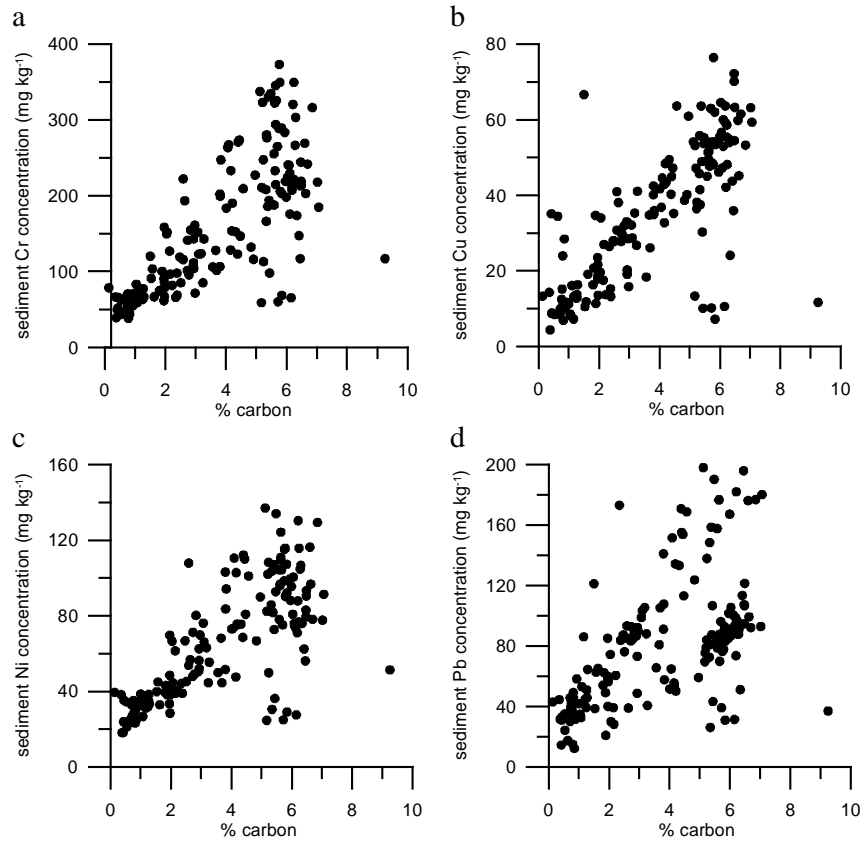


Figure S3. Relationship between carbon content and metal concentration in eroded sediments from the Woburn Erosion Reference Experiment.