

LTLS Lake sediments

John Boyle

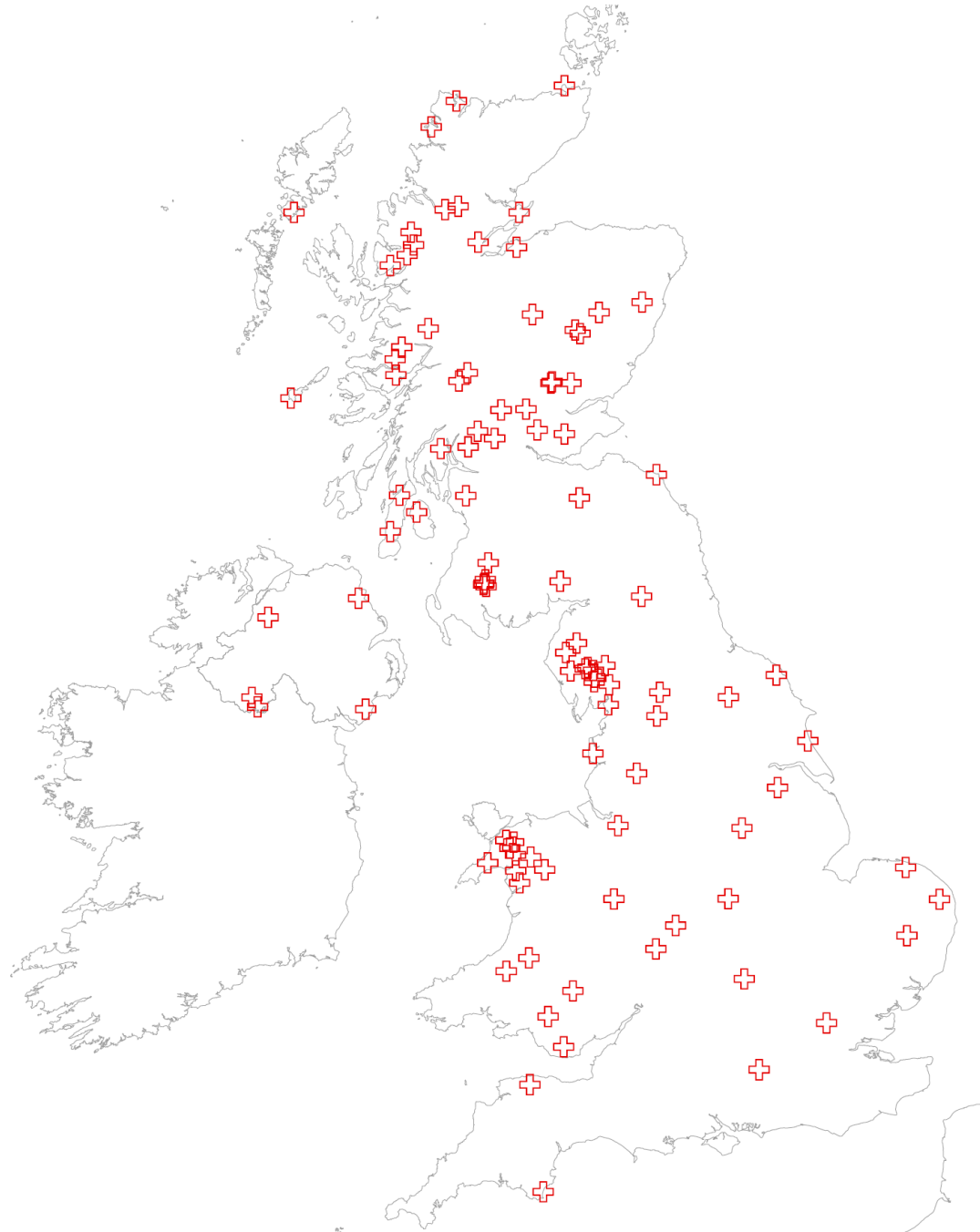
Richard Chiverrell

Neil Rose

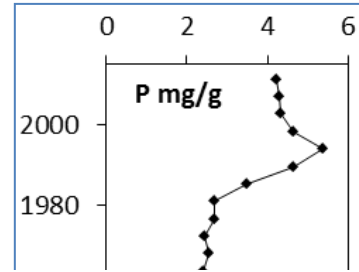
Hannah Toberman

Simon Turner

- UCL Lake sediment archive
 - ^{210}Pb dated cores with time slices 1850, 1900, 1980 and modern. N = 103
 - C, N and P concentrations
 - C & N isotope analysis
- 4 new sites, improved estimate of average fluxes

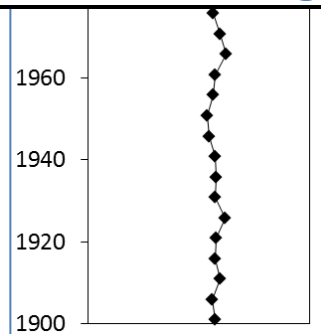


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Preliminary results

		Loch of Skene	Crose Mere
Lake area	km ²	1.1	0.15
Catchment	km ²	48.3	3.6
TP lake water	mg m ⁻³	104	214
Runoff rate	m yr ⁻¹	0.333	0.185
P outflow export	mg m ⁻² yr ⁻¹	1521	950
P sedimentation	mg m⁻² yr⁻¹	1505	510



Croise Mere - long record

