

Aged Riverine Particulate Organic Carbon in Four UK Catchments Jessica Adams¹, Ed Tipping¹, Charlotte Bryant², Rachel Helliwell³, Hannah Toberman⁴, John Quinton⁵

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cology & Hydrology

Centre for

¹Centre for Ecology & Hydrology Lancaster, ²NERC Radiocarbon Facility, East Kilbride, ³The James Hutton Institute, Aberdeen, ⁴School of Environmental Sciences, University of Liverpool, ⁵Lancaster Environment Centre, Lancaster University

Key Questions:

- What is the time elapsed between carbon fixation and release into the rivers?
- What are the dominant sources of POC in the catchments?
- How do these compare to global ulletcatchments?

Radiocarbon formed naturally gives the ability to measure ¹⁴C on the millennial timescale.

Atmospheric weapons testing created a **Bomb carbon** spike in ¹⁴C concentrations, giving the ability to measure radiocarbon on the decadal timescale.





