

UK Hydrometry

WMO RA VI Hydrology Forum

Koblenz 8-10 May 2012

Ann Calver

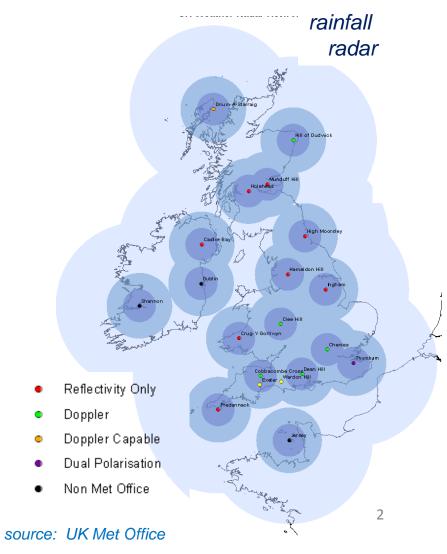
(UK hydrological adviser & Commission for Hydrology advisory group member)

Harry Dixon
(National Water Archive)









Raingauge densities

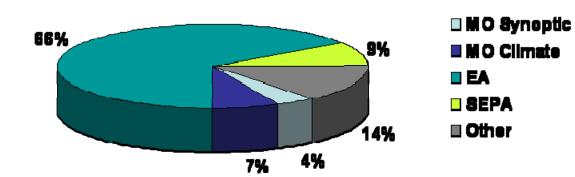
	unique locations	average area per gauge (km²)
UK	3214	76
England	2169	60
Scotland	601	130
Wales	277	75
Northern Ireland	142	96







Partners with Met Office in raingauge network









UK river flow gauging authorities

Scottish Environment Protection Agency nvironment

Data archiving & guidance material

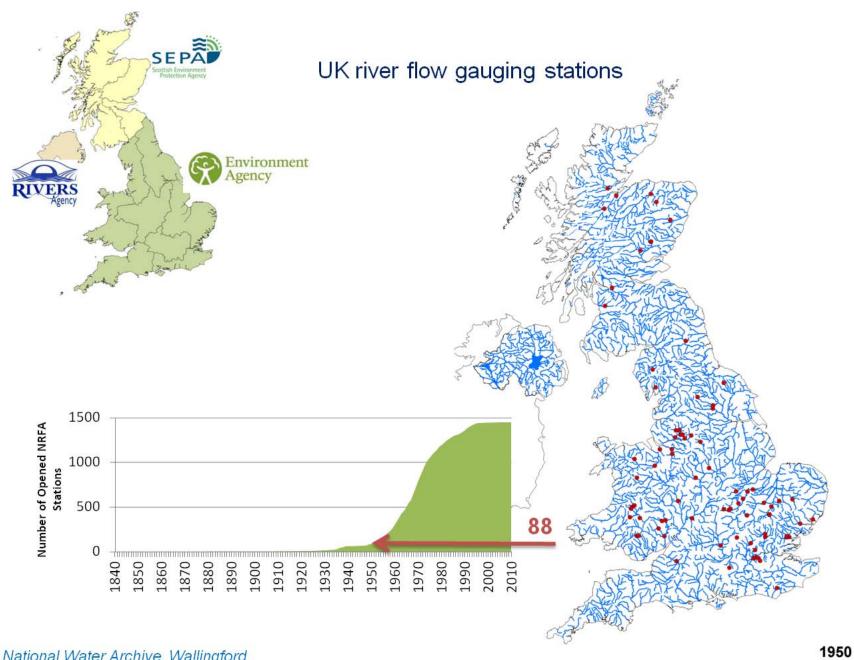
National Water Archive Wallingford

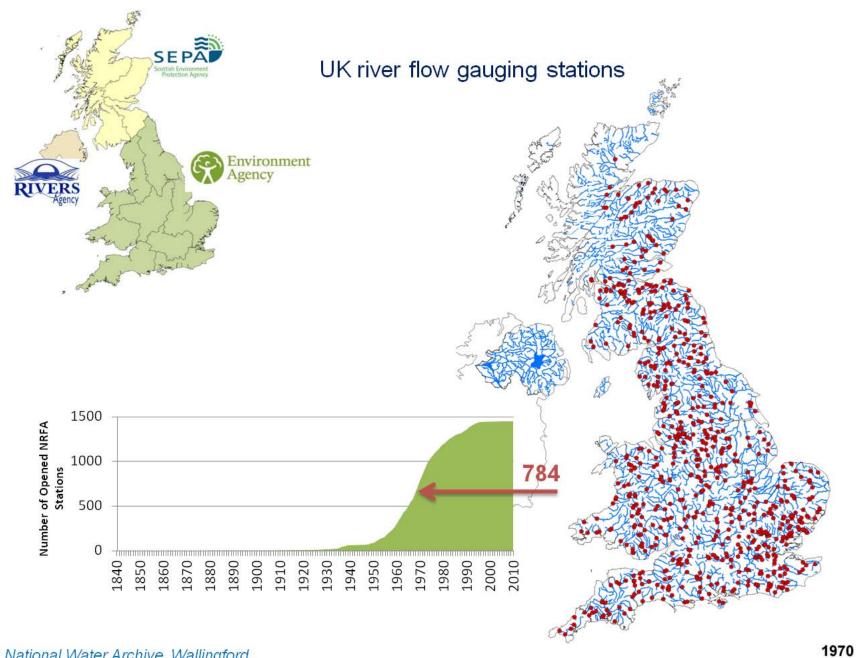
National River Flow Archive

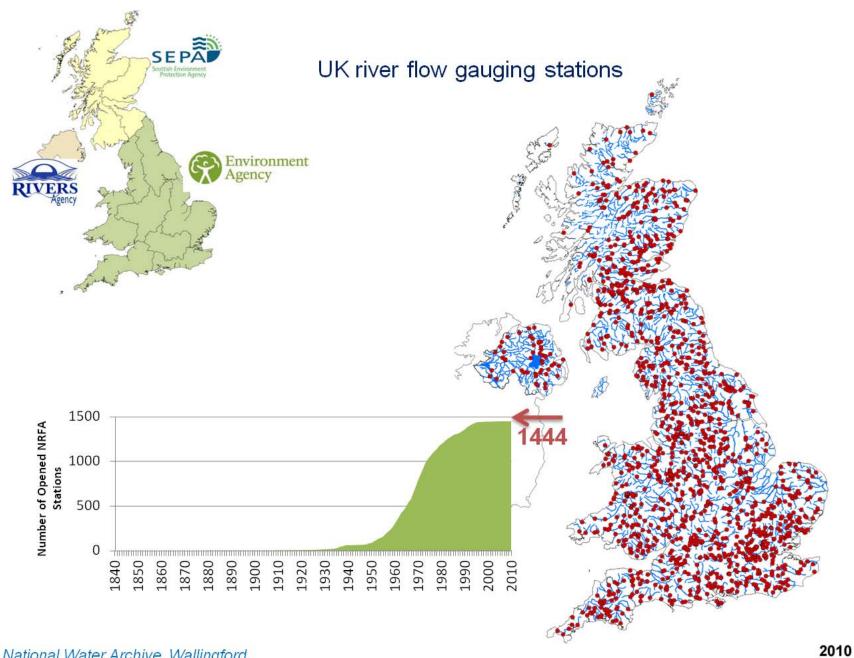


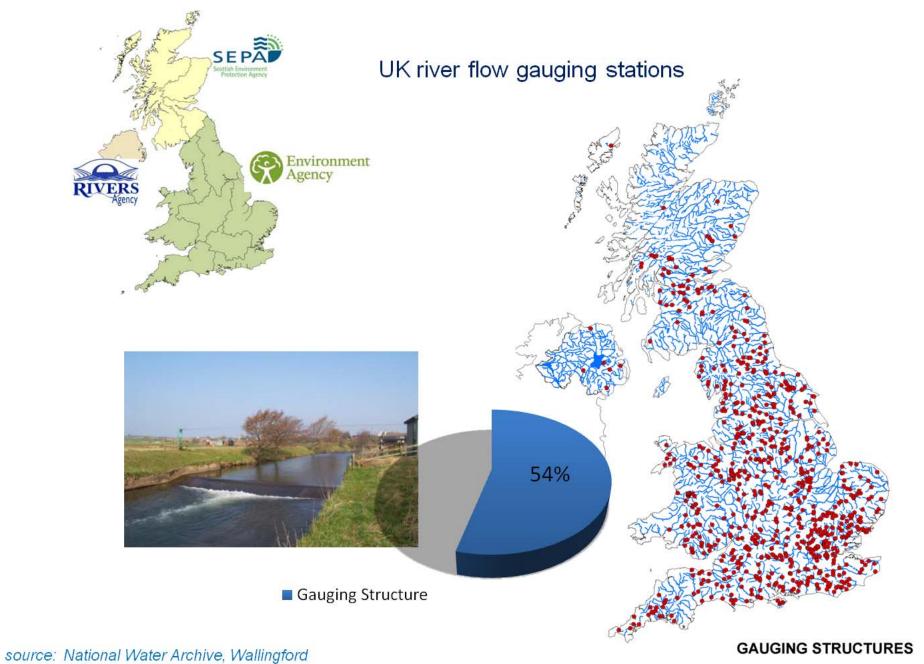
National Groundwater Level Archive

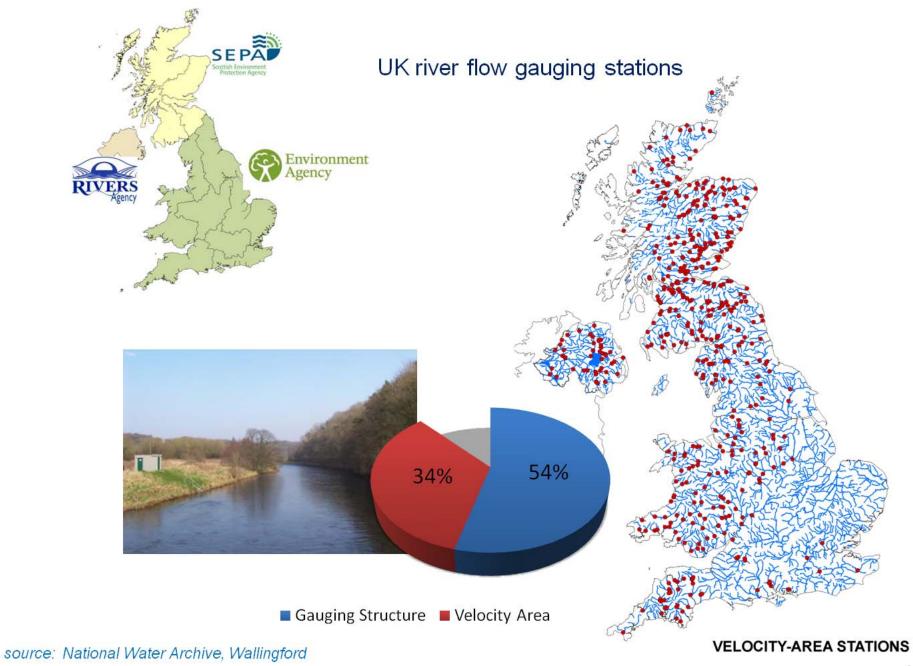


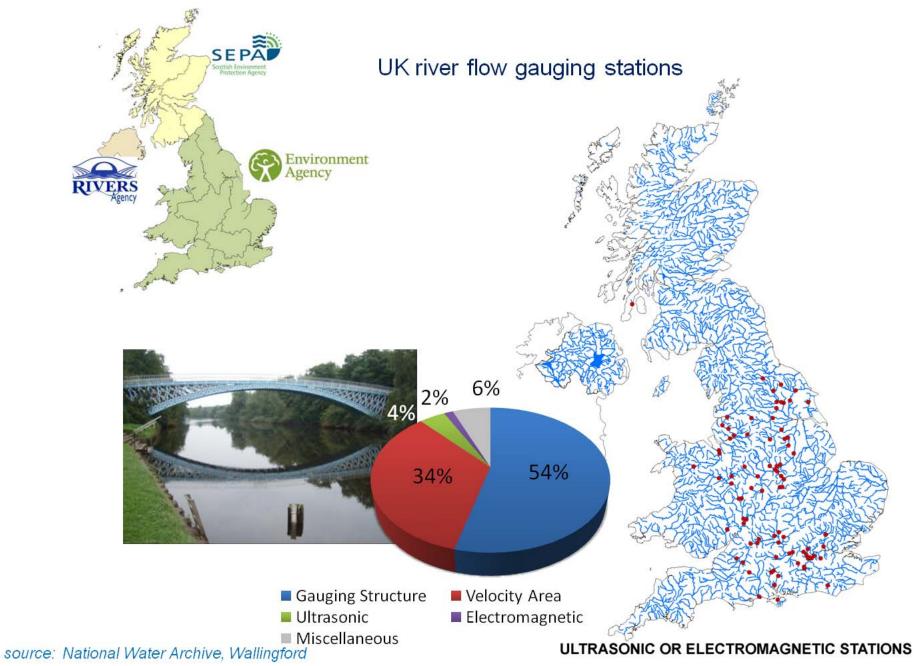






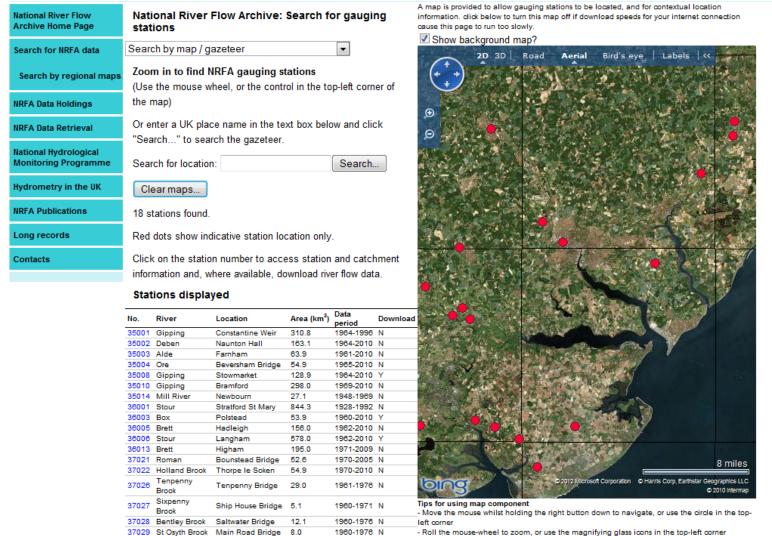


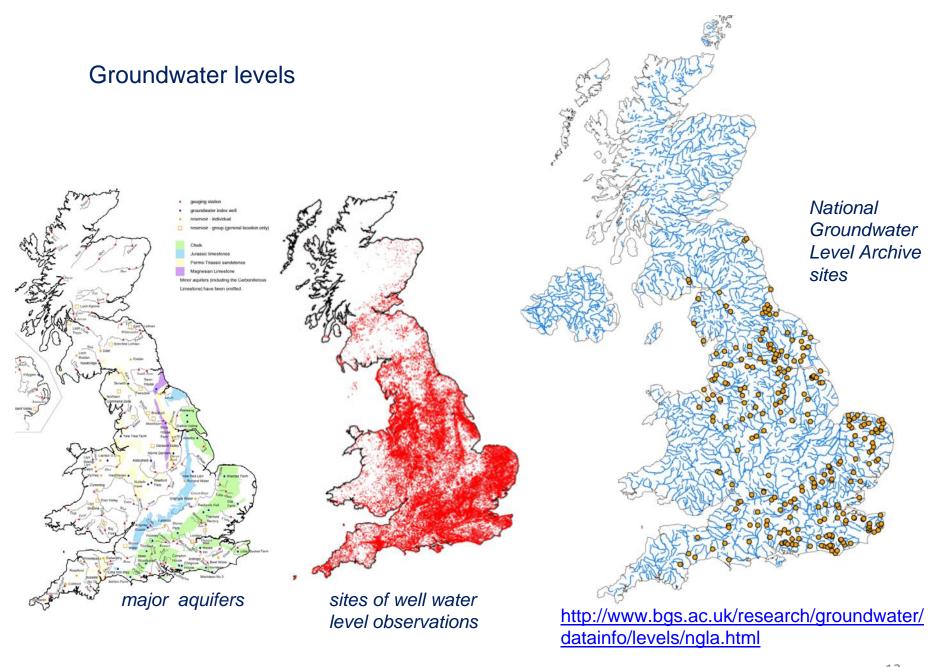




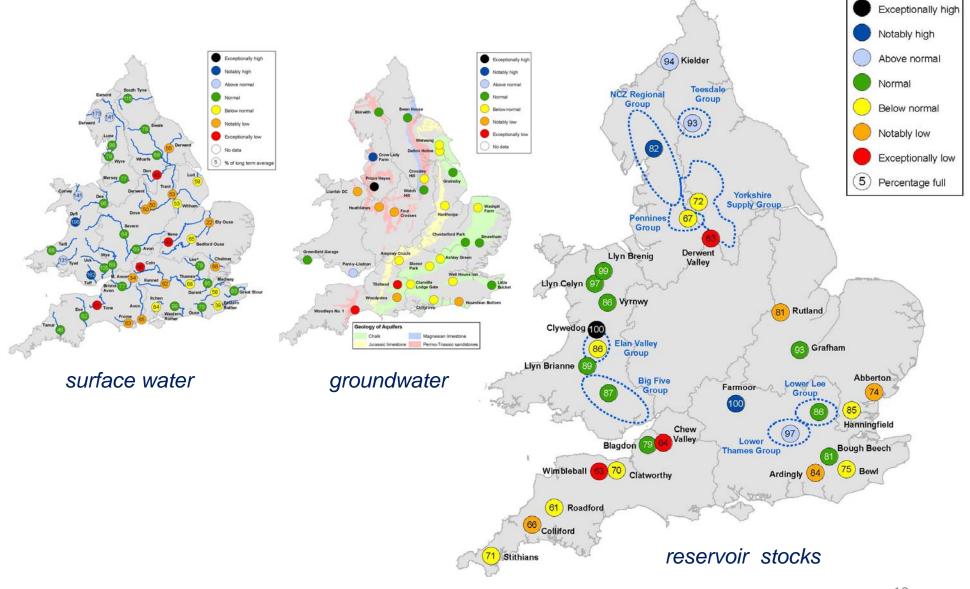
River flow data retrieval

http://www.ceh.ac.uk/data/nrfa/index.htm

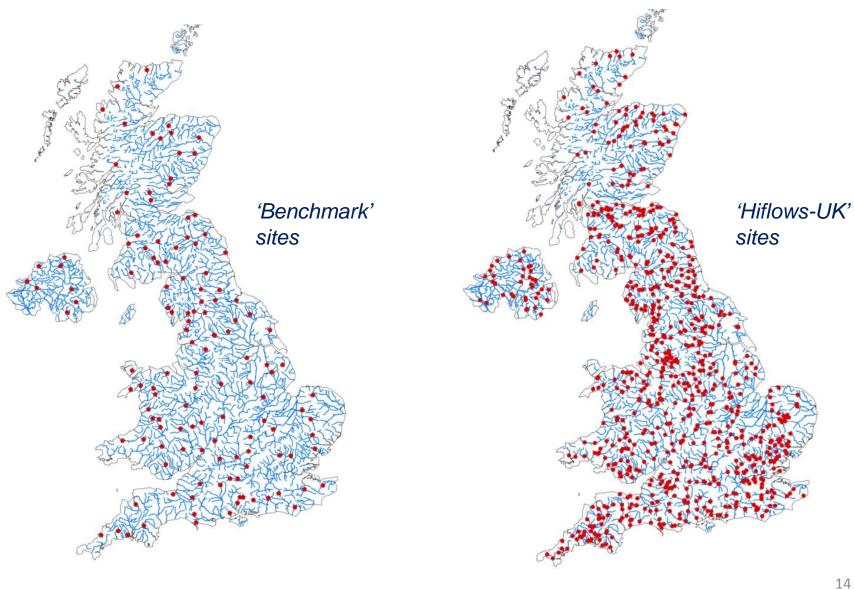




Hydrometric summaries



Specific-purpose networks of river flow gauging sites



source: Bradford & Marsh (2003) Proc ICE 156 source: NRFA, EA



Developments and challenges – wider comments (1)

- Network data generally fit for purpose; some enhancements always desirable
- Some networks rationally-designed, some evolutionary
- Investigation of implementation of new technologies
- General economic considerations
- Cost of wider availability of data



Developments and challenges – wider comments (2)

- Involvement in standards development/ enhancement
- Further potential sources of data researchers, the public
- Planning for future water management scenarios
- Consideration of appropriate use of spatial transposition of data