

Somerset – Based Events (England)

Duration

Full day 3 to 4 days

3-4 days depending on outcrops to be visited

Learning Level

Skills ● ● ●
Knowledge ● ● ●
Awareness ● ● ●

Designed for:

The course is designed for Geoscientists, Petrophysicists, Reservoir Engineers and Well Engineers. Ideally structured for groups working in multi-discipline asset-based teams.



Superb exposures of fault systems within the Triassic/Lower Jurassic of the East Bristol Channel and Central Somerset Basins.

What's here?

Superb exposures of fault systems within the Triassic/Lower Jurassic of the East Bristol Channel and Central Somerset Basins.

3D seismic scale fault systems including a variety of fault geometries, fabrics and networks.

Supported by materials on stress, strain and fracture development as well as fault seal and trap analysis.

Geological Themes

Fault systems on the North Somerset foreshores affect Triassic to Lower Jurassic strata in the East Bristol Channel and Central Somerset Basins, linking the Main Bristol Channel Basin to the Wessex Basin. The Triassic rocks include red mudstones and siltstones, followed by the Blue Anchor Series of marls and sandstones, leading to the Blue Lias Formation.

Kilve displays notable extensional fault systems, while Watchet features both extensional and inverted faults juxtaposing Jurassic shales and Triassic mudstones.

Course Content

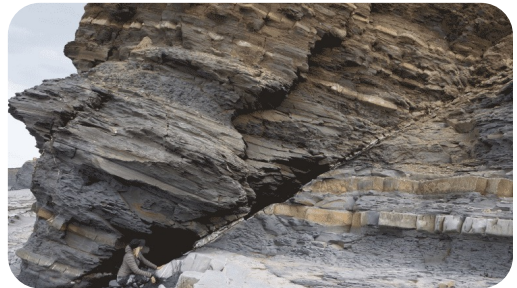
- The region is ideal for structural fault analysis, covering: Fault property quantification; Sealing capacity; Well design impacts; Fault mapping and QC; Transmissibility quantification; Fault damage representation in simulations; Risking in fault seal analysis; Pore pressure prediction; Exploration and development implications

Access

Coastal areas are tide-dependent, with coach access and short walks along uneven beach sections, usually less than 4 km. Field stops are at sea level, enjoying a temperate climate.

Logistics

Fly in/out of Bristol, staying in Holford, Somerset, and North Devon.



Course Tutors



Mark Bentley PhD
30+ years - geoscience
Mark develops and runs courses in the Reservoir, E&P Overview, Open Air and Master Class series. He has a career background at Shell, AGR, TRACS and Langdale Geoscience. Mark is co-author of 'Reservoir Model Design', SPE and EAGE distinguished lecturer, Training Director for both AGR and TRACS. He is an Associate Professor Heriot-Watt University

