

## **NORTHUMBRIA OUGS FIELD EVENT**

**Date:** Sunday 6<sup>th</sup> September 2015

**Title:** Bowlees

**Leader:** Branch led trip.

**Aim:** To explore the Carboniferous cyclothems on the edge of the Alston Block and the Whin Sill.

**Meet:** Bowlees picnic site (NY 907283) Meet at 10.00 a.m.

**Duration of trip:** 10.00 a.m. – 4.00 p.m.

**The Route:** The route follows footpaths along the Bow Lee Beck and the south side of the Tees from Scoberry Bridge via Holwick Scar and Low Force to High Force.  
Total distance 6 miles (10km).

**Potential Hazards:** Hills, stiles and muddy footpaths.

**Equipment Required:** Bring any fieldwork equipment you like. This is a branch led trip and compass-clino, hand lens, notebook, camera, hammer, bag for samples may all be useful.  
Walking Boots and waterproofs essential. Spare warm clothing advisable.  
Hard hats, goggles where appropriate.  
**Packed lunch.** Away from shops all day.

<b>Maps:</b>	OS	1:50 000 <b>92</b> (Barnard Castle) 1:25 000 <b>OL31</b> (North Pennines)
	BGS	1:50 000 <b>31</b> (Brough-under-Stainmore)

**Geological Details:** The route takes us through several cyclothems in the Carboniferous rocks on the southern margin of the Alston Block. Typical Yoredale sequences of limestones, shales, siltstones, sandstones, seatearths and occasionally coals are present. The late Variscan orogenic extensional phase resulted in the injection of magma which fed the Whin Sill, seen here at its southernmost limit.

**Further Details:** Karl Egeland-Eriksen [egeland-eriksen@hotmail.com](mailto:egeland-eriksen@hotmail.com)  
Mobile number 07847 613568 (on day of trip only please – note mobile reception may be poor in the area)