

Edinburgh Geological Society – Excursions 2023



Excursion title:	Fisherman's Haven, Berwick upon Tweed		
Date & start time:	Sat 8 July 23 10:00am	Finish time:	3:00pm
Leader(s):	Mark Wilkinson, School of GeoSciences, University of Edinburgh		

Excursion aims and description:	The sediments exposed in the bay of Fisherman's Haven at Berwick include all the physical components of a "petroleum system": source rock, reservoir, seal, trap. This makes the location a great place for teaching basic petroleum geology, or (rather greener and more forward-looking) about geological carbon storage, or even geological hydrogen storage. Within about 1km there is structure (a dome plus a well-exposed fault); shales; sandstones and limestones, plus a coal. The shale exposure is one of the best in the area, and has an interesting pattern of steadily increasing intensity of bioturbation upwards. Freshwater bivalves can also be found.		
Meeting point:	Public car park at Magdalene Fields Golf Club / Haven Berwick Holiday Park, Magdalene Fields, Berwick-upon-Tweed TD15 1NE. Grid reference NU 002 536.		
Transport details:	Easily accessible from Berwick-upon-Tweed train station – less than one mile walk along Northumberland Avenue.		
Excursion route:	Walk to cliff top (200m) then along the length of the bay, c. 1 km each way.		
Terrain, walking distance, height gain:	Easy terrain, steps to beach then flat walking on rock, sand and some boulders. No significant height gain.		
Specific or Medium- / High-Risk Hazards			
Control measures required to mitigate against any Hazards referred to above:			
Hard hats or Hi-viz clothing needed?	Hard hats		
May dogs be brought on the excursion?	Yes		
Toilet information:	Public toilet in the car park.		
Geological map sheet:	BGS Sheets 1 and 2	OS map sheet:	Landranger 75
References:			