

Edinburgh Geological Society – Excursions 2023



Excursion title:	North Berwick shore, East Lothian		
Date & start time:	Wed 14 June 2023, 7pm	Finish time:	9pm
Leader(s):	Godfrey Fitton and Angus Miller		

Excursion aims and description:	The beach and cliffs to the east of North Berwick harbour expose a superb range of volcanic rocks formed in the early Carboniferous. Shallow-water eruptions of Surtseyan style created a thick layer of tuffs, topped by basaltic lava flows. The main target of the excursion is to examine the textures and features of explosive volcanic rocks close to Partan Craig. These include garnetiferous gneiss xenoliths, first described by Brian Upton and colleagues in 1976. The keen eyes of a party of EGS members will find much of interest in fresh inter-tidal exposures.		
Meeting point:	Beach immediately to the east of the Sea Bird Centre, The Harbour, North Berwick EH39 4SS. Grid reference NT554855.		
Excursion route:	We will walk east along the beach, past the Yellow Craig and along to the cliff at Partan Craig. Return by the road or along the beach.		
Terrain, walking distance, height gain:	Flat, on sand and rock. Distance 1.5km one way, 3km return.		
Specific or Medium- / High-Risk Hazards	None		
Control measures required to mitigate against any Hazards referred to above:	None		
Hard hats or Hi-viz clothing needed?	No		
May dogs be brought on the excursion?	Yes		
Toilet information:	None		
Geological map sheet:	Haddington 33W	OS map sheet:	Explorer 351
References:	<p>Lothian Geology, 1986, North Berwick A Excursion, pp89-95.</p> <p>Lothian and Borders GeoConservation leaflet, North Berwick Volcanoes - https://www.edinburghgeolsoc.org/publications/geoconservation-leaflets/</p> <p>Euan Clarkson & Brian Upton, 2006, Edinburgh Rock, Dunedin pp121-131.</p> <p>Upton, B et al, 1976, Pre-Palaeozoic basement of the Scottish Midland Valley, Nature Vol 260, pp517-518.</p>		