

Edinburgh Geological Society – Excursion Programme 2022



Excursion title: Kinghorn Volcanic Formation, Fife
Date & time: Saturday 18 June, 10:00 **Finish time:** 15:00
Leader(s): David Stephenson and Ian Kearsley, EGS

Excursion aims and description:	To examine parts of a well-exposed, almost complete section through the late Visian Kinghorn Volcanic Formation, composed mainly of basalt lavas with thin beds of pyroclastic rocks and volcanoclastic sedimentary rocks. Fine examples of columnar jointing, hyaloclastite and possible pillows, all erupted from small volcanic cones on land close to sea-level, as evidenced by interbedded fossiliferous limestones.		
Transport:	Car or public transport (train to Kinghorn).		
Meeting point:	Pettycur Harbour Car Park, NT 266 861.		
First locality:	King Alexander's Crag (261 863).		
Excursion route:	King Alexander's Crag to Pettycur Harbour. Kinghorn Ness to Kinghorn Bay and northeast along coastal path.		
Terrain, walking distance, height gain:	Walking distance 4-5 kilometres. Some rocky shore and footpaths. Short, steep access to shore in places.		
Specific or Medium- / High-Risk Hazards:	Main hazard is slips on wet rocks and grass.		
Control measures required to mitigate against any Hazards referred to above:	Walking boots recommended for traversing rocky sections.		
Hard hats or Hi-viz clothing needed?	No. But distance should be kept from any overhanging rocks.		
May dogs be brought on the excursion?	No.		
Toilet information:	Toilets at Kinghorn Bay.		
Geological map sheet:	B.G.S. (Scotland) 1:50 000 Sheet 40	OS map sheet:	1:25,000 Sheet 367 1:50,000 Sheet 66
References:	<p>MacGregor, A.R. 1996. Fife & Angus Geology : an Excursion Guide, 3rd edn, The Pentland Press, Edinburgh, excursion 18</p> <p>Browne, M.A.E. and Woodhall, D.G. 2000. Geology of the Kirkcaldy District, Sheet Description of the British Geological Survey, 1:50 000 Series Sheet 40E (Scotland), British Geological Survey, Keyworth, 50 pp.</p> <p>Woodhall, D.G. 2003. Burntisland to Kinghorn Coast, Fife. In Carboniferous and Permian Igneous Rocks of Great Britain North of the Variscan Front (D. Stephenson, S.C. Loughlin, D. Millward, C.N. Waters and I.T. Williamson), Geological Conservation Review Series, No. 27, Joint Nature Conservation Committee, Peterborough, pp. 74 – 77.</p>		