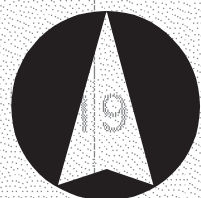


MAP 14

11

15



1:30,000

MAP 19

[CLICK HERE TO VIEW LEGEND](#)

MAP 20

MAP 22

21

Path No.	Path Name	Path Type	Length
GV1	NCN7 - Woodgreen to Kilbirnie	Road (Part of NCN)	14.5km
TT10	West Kilbride Cycle Route	Tarmac and Road	6.0km
IK23	NCN73 - Kilwinning to Garnock Viaduct	Tarmac	2.9km
IK27	Stevenston to Ardeer	Tarmac and Road (Part of NCN)	3.4km
IK56	NCN7 - Woodgreen to Blair Estate	Tarmac and Road (Part of NCN)	3.2km

Ardrossan





Saltcoats





Stevenston





- POINTS OF INTEREST
- 1

Horse Isle - RSPB Reserve
- 2

Dalgarven Mill
- 3

Irvine Golf Club

Geology at South Bay, Ardrossan to Saltcoats Coast SSSI

The formation of the rocks at the Ardrossan to Saltcoats Coast SSSI can be thought of as a two stage process, an original sedimentary stage in which the sediments were laid down and a second phase of intrusive igneous activity. During the secondary igneous phase, molten igneous rock was forced into the sediments, producing the present arrangement of sedimentary and intrusive igneous rocks.

At the start of the Carboniferous, approximately 350 million years ago, Scotland was on the southern margin of a large continent called Laurentia which also included North America and Northern Europe. To the north were the partly eroded Caledonian mountains and to the south a large ocean. Sediments eroded from the mountains to the north were deposited in deltas and lagoons and had occasional marine incursions, when the sea covered lowland areas, during the Carboniferous period. Into the Carboniferous sediments volcanic or igneous rocks have been pushed. The igneous activity was caused by crustal extension, rifting or pulling apart of the Earth's crust in the Carboniferous and early Permian, approximately 300 million years ago.

The site contains features associated with the intrusion of igneous rocks into sediments, including examples of sills and dykes with baked and chilled margins. The sills show multiple intrusion events of magma of different compositions as well as differentiation within the main sill. The sediments are a good example of a varied Carboniferous sedimentary sequence, containing coal measures and fossilised tree stumps and shell fish.





Points of Interest



Railway Station



Car Park



National Trust for Scotland



Adjacent Map Number
(Click on these symbols to
access adjacent maps)



Core Path (Existing)



Core Path (Proposed)