

Myres SERIES

A. SOIL MAP UNIT DESCRIPTION

SOIL CLASSIFICATION

SCOT: Peaty gleys

SSEW: Cambic
stagnohumic gley soils

SOIL ASSOCIATION

DARLEITH

PARENT MATERIAL

Dark brown, clay loam or
clay till derived from
basalts and allied igneous
rocks.

DRAINAGE CLASS

Poor

PERMEABILITY CLASS

Slow

REFERENCES

soil maps —

1:63 360 sheets

7/8 (Carrick/Girvan)

14 (Ayr)

22 (Kilmarnock)

23 (Hamilton)

30 (Glasgow)

31 (Airdrie)

39 (Stirling)

40/41 (Kinross/Elie)

47 (Crieff)

memoirs —

Soils of Carrick and round
Girvan

Soils round Kilmarnock

LOCATION AND EXTENT

The Midland Valley; north of Dalry, between Stewarton
and Strathaven and above the Carron valley. 48 sq km.

LANDFORM

Hillsides with gentle and strong slopes. 200 to 350 m
altitude.

VEGETATION

Moist Atlantic heather moor; flying bent grassland; some
rush pastures.

CLIMATE

<i>av. ann. rainfall, mm</i>	1200-1600
<i>accum. temperature</i> (day °C above 0°C Jan-Jun)	no data
<i>maximum PSMD, mm</i>	70-90
<i>growing season, days</i>	no data
<i>field capacity</i>	no data

SOIL DESCRIPTION

	<i>topsoil</i>	<i>subsoil</i>
<i>colour</i>	black	brown
<i>texture</i>	amorphous peat	clay loam or clay
<i>structure</i>	moderate coarse angular blocky or massive	coarse prismatic
<i>stone content</i>	stoneless	moderately to very stony
<i>potential rooting depth</i>	40 cm, free rooting in organic topsoil, along structure cracks in subsoil	
COMMENT	Peat topsoils; water movement and root development restricted by dense subsoils.	

SOIL CHEMISTRY

Acid, with low pH and percentage base saturation in
topsoil. Medium to high total phosphorus in subsoil.

MAP UNIT VARIATION

In south Ayrshire, soils developed on drifts derived from
ultrabasic rocks have greyish brown subsoils and high
exchangeable magnesium.