

Darvel SERIES

A. SOIL MAP UNIT DESCRIPTION

SOIL CLASSIFICATION

SCOT: Brown forest
soils

SSEW: Typical brown
sands

SOIL ASSOCIATION

DARVEL

PARENT MATERIAL

Fluvioglacial sands and
gravels derived mainly
from Carboniferous
sedimentary and igneous
rocks.

DRAINAGE CLASS

Free

PERMEABILITY CLASS

Rapid

REFERENCES

soil maps —

1:63 360 sheets

7/8 (Girvan/Carrick)

14 (Ayr)

22 (Kilmarnock)

24/32 (Peebles/Edinburgh)

31 (Airdrie)

33/34 (Haddington/
Eyemouth)

39 (Stirling)

40/41 (Kinross/Elie)

memoirs —

Soils of Carrick and round
Girvan

Soils round Kilmarnock

Soils round Haddington and
Eyemouth

LOCATION AND EXTENT

The Midland Valley from Ayrshire to Fife and East
Lothian. *About 150 sq km.*

LANDFORM

Gently undulating terraces and irregular moundy land in
valleys or glacial meltwater channels; altitudes up 250 m.

VEGETATION

Arable; permanent pastures; common bent-fescue
grassland.

CLIMATE

	<i>Ayrshire</i>	<i>Lanarkshire</i> <i>(below 250 m)</i>	<i>Lothians/Fife</i>
<i>av. ann. rainfall, mm</i>	1000	800-1000	600-900
<i>accum. temperature</i> <i>(day °C above 0°C Jan-Jun)</i>	1290-1470	1090-1220	1210-1390
<i>maximum PSMD, mm</i>	80-130	80-105	100-160
<i>growing season, days</i>	255	215	225
<i>field capacity</i>	early Oct to early Mar	mid-Oct to early Mar	early/mid- Nov to early Mar

SOIL DESCRIPTION

	<i>topsoil</i>	<i>subsoil</i>
<i>colour</i>	brown	brown
<i>texture</i>	sandy loam	loamy sand over sand
<i>structure</i>	weak fine subangular blocky	single grain
<i>stone content</i>	generally slightly stony	slightly or moderately stony
<i>potential rooting depth</i>	generally unrestricted	
COMMENT	Coarse-textured very permeable soils with some variation in content of small or medium rounded stones.	

SOIL CHEMISTRY

These soils have low natural reserves of available
nutrients and are readily leached of amendments.

MAP UNIT VARIATION

Sandy subsoils can occasionally overlie clayey tills.