

Largs SERIES

A. SOIL MAP UNIT DESCRIPTION

SOIL CLASSIFICATION

SCOT: Brown forest
soils with gleying
SSEW: Stagnogleyic
brown earths

SOIL ASSOCIATION

LARGS

PARENT MATERIAL

Reddish brown sandy
clay loam till derived
from Old Red Sandstone
sandstones.

DRAINAGE CLASS

Imperfect

PERMEABILITY CLASS

Moderate

REFERENCES

soil maps —
1:63 360 sheets
14 (Ayr)
22 (Kilmarnock)

memoirs —
Soils round Kilmarnock

LOCATION AND EXTENT

Between Ardrossan and Largs; locally south of Darvel and
east of Sorn. 18 sq km.

LANDFORM

Undulating hillsides with gentle and strong, locally steep,
slopes 30-350 m altitude.

VEGETATION

Arable; permanent pastures.

CLIMATE

Coastal, below 100 m Near Darvel and Sorn

<i>av. ann. rainfall, mm</i>	1050-1100	1200
<i>accum. temperature</i> <i>(day °C above 0°C Jan-Jun)</i>	1280-1450	no data
<i>maximum PSMD, mm</i>	90-120	90
<i>growing season, days</i>	255	no data
<i>field capacity</i>	early Oct to early Mar	no data

SOIL DESCRIPTION

topsoil

subsoil

<i>colour</i>	reddish brown	reddish brown
<i>texture</i>	sandy loam	sandy clay loam
<i>structure</i>	medium crumb	medium subangular blocky
<i>stone content</i>	very slightly stony	slightly stony
<i>potential rooting depth</i>	60 cm restricted by compact subsoil	
<i>COMMENT</i>	Indurated layers in subsoils impede root development and water movement.	

SOIL CHEMISTRY

Moderately acid, pH increases with depth. Exchangeable
bases and percentage base saturation are generally low.
Total phosphorus low in subsoil.

MAP UNIT VARIATION

Sandy loam subsoils and free drainage are associated
locally with rock at shallow depth.