

Strathfinella SERIES

A. SOIL MAP UNIT DESCRIPTION

SOIL CLASSIFICATION

SCOT: Humus-iron
podzols. (Iron podzols
on early maps)
SSEW: Humo-ferric
podzols or typical
brown podzolic soils
where cultivated

SOIL ASSOCIATION

STRATHFINELLA

PARENT MATERIAL

Reddish brown sandy
loam drifts derived from
Lower Old Red Sandstone
sediments, mainly
sandstone, with acid
igneous and metamorphic
rocks.

DRAINAGE CLASS

Free

PERMEABILITY CLASS

Moderate

REFERENCES

soil maps —
1:63 360 sheets
57 (Forfar)
66/67 (Banchory/
Stonehaven)

LOCATION AND EXTENT

Kincardineshire and Angus along the northern margin of
the Howe of the Mearns from Stonehaven to north-west of
Brechin. 55 sq km.

LANDFORM

Undulating foothills and uplands with a wide range of
slopes.

VEGETATION

Arable; ley and permanent pastures; dry Atlantic heather
moor; common bent-fescue grassland; coniferous
plantations.

CLIMATE

<i>av. ann. rainfall, mm</i>	800-1000
<i>accum. temperature</i> <i>(day °C above 0°C Jan-Jun)</i>	1120-1250
<i>maximum PSMD, mm</i>	95-110
<i>growing season, days</i>	215
<i>field capacity</i>	mid-Oct to early Mar

SOIL DESCRIPTION

	<i>topsoil</i>	<i>subsoil</i>
<i>colour</i>	dark reddish brown	reddish brown
<i>texture</i>	sandy loam	sandy loam
<i>structure</i>	moderate medium subangular blocky	weak coarse subangular blocky or massive
<i>stone content</i>	slightly or moderately stony	moderately stony
<i>potential rooting depth</i>	30-50 cm, depending on depth to induration	
<i>COMMENT</i>	Reddish brown colour is characteristic; a strongly developed indurated layer is often present in the subsoil.	

SOIL CHEMISTRY

Moderately acid; subsoils have a pH of 5-6 and low
(<20%) or medium (20-60%) base saturation. Low levels of
available cobalt and copper.

MAP UNIT VARIATION

Some drifts have a loamy sand texture.