

Anniegathel SERIES

A. SOIL MAP UNIT DESCRIPTION

SOIL CLASSIFICATION

SCOT: Noncalcareous
gleys
SSEW: Cambic
stagnogley soils

SOIL ASSOCIATION

STRICHEN

PARENT MATERIAL

Drifts derived from acid
schists and schistose grits.

DRAINAGE CLASS

Poor

PERMEABILITY CLASS

Slow

REFERENCES

soil maps —
1:63 360 sheets
47 (Crieff)
48/49 (Perth/Arbroath)
56 (Blairgowrie)
57 (Forfar)
66/67 (Banchory/
Stonehaven)
75 (Tomintoul)
84 (Nairn)
85/95 (Rothes/Elgin)
86 (Huntly)
87/97 (Peterhead/
Fraserburgh)
96 (Banff)
110/116 (Latheron/Wick)

memoirs —
Soils round Perth, Arbroath
and Dundee
Soils round Banff, Huntly
and Turriff
Soils round Aberdeen,
Inverurie and Fraserburgh
Soils round Wick

Compiled by A.J. Nolan
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SMUDS 1

LOCATION AND EXTENT

Morayshire; Banffshire; northern Aberdeenshire ; and
Kincardineshire, Angus and Perthshire north of the
Highland Boundary Fault. 234 sq km.

LANDFORM

Undulating lowlands and valley sides with gentle to
strong slopes.

VEGETATION

Arable; ley and permanent pastures; rush pastures and
sedge mires.

CLIMATE

	<i>Moray Firth</i>	<i>Other areas</i> (rainfall <1000 mm) (rainfall >100 mm)	
<i>av. ann. rainfall, mm*</i>	800	800-1000	1000-1800
<i>accum. temperature*</i> (day °C above 0°C Jan-Jun)	1190-1350	900-1250	no data
<i>maximum PSMD, mm</i>	120	90-115	70-110
<i>growing season, days*</i>	220	210-215	no data
<i>field capacity*</i>	early Nov to early Mar	mid-Oct to mid-Mar	no data

SOIL DESCRIPTION

	<i>topsoil</i>	<i>subsoil</i>
<i>colour</i>	very dark greyish brown	greyish brown or olive grey
<i>texture</i>	sandy silt loam or sandy loam	fine sandy loam or sandy loam
<i>structure</i>	moderate medium angular or subangular blocky	weak medium angular blocky
<i>stone content</i>	slightly stony	slightly or moderately stony
<i>potential rooting depth</i>	35-60 cm depending on depth to the compact till	
COMMENT	Ochreous mottles prominent in subsoil; coarse prismatic structure present in sandy clay loam subsoils.	

SOIL CHEMISTRY

Acid or moderately acid; subsoils have a pH of 4-6 and
low (<20%) or medium (20-60%) base saturation.

MAP UNIT VARIATION

Sandy loam or sandy clay loam till in lowlands, stony
sandy loam shallow drift in hills. Anniegathel Series is
shown as ST4 on Sheets 86 and 96.

*Climate data extracted from Meteorological Office publications *Average Annual Rainfall: Northern Britain* and
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