

Tarves SERIES

A. SOIL MAP UNIT DESCRIPTION

SOIL CLASSIFICATION

SCOT: Brown forest soils
SSEW: Typical brown earths or typical brown podzolic soils

SOIL ASSOCIATION TARVES

PARENT MATERIAL

Sandy loam drift derived from mixed acid and basic, metamorphic and igneous rocks and, locally, from intermediate metamorphic and igneous rocks.

DRAINAGE CLASS

Free

PERMEABILITY CLASS

Moderate

REFERENCES

soil maps —
1:63 360 sheets
35/36/43/44/51/52 (Mull)
56 (Blairgowrie)
66/67 (Banchory/
Stonehaven)
75 (Tomintoul)
76 (Inverurie)
77 (Aberdeen)
85/95 (Rothes/Elgin)
86 (Huntly)
87/97 (Peterhead/
Fraserburgh)
96 (Banff)

memoirs —
Soils round Banff, Huntly
and Turriff
Soils round Aberdeen,
Inverurie and Fraserburgh

Compiled by A. Lilly
© Macaulay Land Use Research Institute, Aberdeen.
Issued December 1989
SMUDS 4

LOCATION AND EXTENT

North-east Scotland: from Mintlaw to Inverurie; from Portsoy to Huntly; around Alford, Tarland and Banchory. 418 sq km.

LANDFORM

Undulating till plains and hillslopes; occasional rock outcrops.

VEGETATION

Arable; permanent pastures; common bent-fescue grassland; dry boreal heather moor.

CLIMATE

	<i>Land below 180 m</i>	<i>Land above 180 m</i>
<i>av. ann. rainfall, mm</i>	850	925
<i>accum. temperature</i> <i>(day °C above 0°C Jan-Jun)</i>	1060-1230	900-1080
<i>maximum PSMD, mm</i>	108	108
<i>growing season, days</i>	215	210
<i>field capacity</i>	mid-Oct to early Mar	mid-Oct to mid-Mar

SOIL DESCRIPTION

	<i>topsoil</i>	<i>subsoil</i>
<i>colour</i>	dark brown	dark yellowish brown
<i>texture</i>	sandy silt loam	sandy silt loam
<i>structure</i>	moderate subangular blocky	moderate subangular blocky (platy when indurated)
<i>stone content</i>	slightly stony	moderately stony
<i>potential rooting depth</i>	generally less than 45 cm due to induration	
COMMENT	Induration is characteristic of these soils. Semi-natural soils are often shallow and stony, with a sandy loam subsoil.	

SOIL CHEMISTRY

Subsoil base saturation is variable, from 8 % to 80 %; pH is between 5 and 6.

MAP UNIT VARIATION

Shown as TR2-3 on Sheet 86 (Huntly) and TR2 on Sheet 96 (Banff). Hollows with imperfectly or poorly drained soils occur locally.