

Doune SERIES

A. SOIL MAP UNIT DESCRIPTION

SOIL CLASSIFICATION

SCOT: Brown forest
soils
SSEW: Typical brown
sands

SOIL ASSOCIATION

DOUNE

PARENT MATERIAL

Fluvioglacial sands and
gravels derived from
Dalradian metamorphic
rocks and Lower Old Red
Sandstone sediments and
lavas.

DRAINAGE CLASS

Free

PERMEABILITY CLASS

Rapid

REFERENCES

soil maps —
1:63 360 sheets
39 (Stirling)
47 (Crieff)
56 (Blairgowrie)

LOCATION AND EXTENT

Scattered localities in west Perthshire, within the River Teith valley and in central Perthshire in the River Earn valley and north-west of Crieff (21 sq km); Strathmore between Meikle and Kirriemuir (43 sq km). Total 64 sq km.

LANDFORM

Distinct mounds or undulating terrain, occasionally terrace sites: moderate to steep slopes.

VEGETATION

Arable; permanent pastures; some broad-leaved and coniferous woodlands.

CLIMATE

	West/Central Perthshire	Strathmore
<i>av. ann. rainfall, mm</i>	1000-1400	800-850
<i>accum. temperature (day °C above 0°C Jan-Jun)</i>	1250-1420	1120-1250
<i>maximum PSMD, mm</i>	100	100
<i>growing season, days</i>	225	215
<i>field capacity</i>	early Oct to early Mar	mid-Oct to early Mar

SOIL DESCRIPTION

	<i>topsoil</i>	<i>subsoil</i>
<i>colour</i>	brown to dark reddish brown	reddish brown to brown
<i>texture</i>	sandy loam or loamy sand	sandy gravel, sand or loamy sand
<i>structure</i>	moderate subangular blocky	weak subangular blocky or massive
<i>stone content</i>	often stoneless but can be moderately stony	stoneless to very stony
<i>potential rooting depth</i>	generally is unlimited unless cemented at depth	
COMMENT	Soils are characteristically coarse-textured and rapidly permeable but stone content can range widely.	

SOIL CHEMISTRY

High base saturation throughout the profile.

MAP UNIT VARIATION

Some colour differences related to proportions of rocks contributing to the parent material. Considerable variation in stone content.