

SOIL CLASSIFICATION

SCOT: Peaty podzols
SSEW: Ironpan stagno-
podzols

SOIL ASSOCIATION

ETTRICK

PARENT MATERIAL

Greyish brown sandy silt
loam or sandy loam, often
compact or indurated,
hillside drifts and
solifluction deposits
derived from Ordovician
and Silurian greywackes
and shales.

DRAINAGE CLASS

Free below the iron pan,
imperfect or poor above.

PERMEABILITY CLASS

Moderate below the iron
pan, slow above.

REFERENCES

soil maps —

1:63 360 sheets

1/2/3/4 (Stranraer/
Wigtown)

7/8 (Girvan/Carrick)

17 (Jedburgh)

18 (Morebattle)

24/32 (Peebles/Edinburgh)

25 (Kelso)

33/34 (Haddington/
Eyemouth)

memoirs —

Soils round Stranraer and
Wigtown

Soils of Carrick and round
Girvan

Soils round Jedburgh and
Morebattle

Soils round Kelso and
Lauder

Soils round Haddington and
Eyemouth

Compiled by J.A. Hipkin
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SMUDS 2

LOCATION AND EXTENT

The Southern Uplands: principally the Lowther, Moorfoot
and Lammermuir Hills; also in Carrick, Galloway and
Dumfriesshire. 244 sq km.

LANDFORM

Smooth, rounded hills and undulating uplands, with
strong or steep convex slopes.

VEGETATION

Moist Atlantic heather moor; some heath rush-fescue
grassland (mainly white bent grassland); some dry
Atlantic heather moor.

CLIMATE

<i>av. ann. rainfall, mm</i>	1000-2000
<i>accum. temperature</i> <i>(day °C above 0°C Jan-Jun)</i>	no data
<i>maximum PSMD, mm</i>	80-110
<i>growing season, days</i>	no data
<i>field capacity</i>	no data

SOIL DESCRIPTION

	<i>topsoil</i>	<i>subsoil</i>
<i>colour</i>	black	greyish brown over strong brown
<i>texture</i>	organic matter 5-30 cm thick	sandy silt loam or sandy loam
<i>structure</i>	weak subangular blocky	weak medium subangular blocky
<i>stone content</i>	stoneless	very stony
<i>potential rooting depth</i>	20-40 cm to thin iron pan or compact or indurated subsoil	
<i>COMMENT</i>	The thin iron pan impedes root and moisture penetration and with the organic horizon maintains wet surface conditions for long periods. This soil is generally uncultivated.	

SOIL CHEMISTRY

Inherently acid, generally pH 4. Low base saturation
throughout. High extractable iron and aluminium below
the iron pan.

MAP UNIT VARIATION

Thin iron pan can be weakly developed.