

Ettrick SERIES

A. SOIL MAP UNIT DESCRIPTION

SOIL CLASSIFICATION

SCOT: Noncalcareous
gleys
SSEW: Cambic
stagnogley soils

SOIL ASSOCIATION

ETTRICK

PARENT MATERIAL

Greyish brown, locally
reddish brown, clay loam
till derived from
Ordovician and Silurian
greywackes and shales.

DRAINAGE CLASS

Poor

PERMEABILITY CLASS

Slow

REFERENCES

soil maps —
1:63 360 sheets
1/2/3/4 (Stranraer/
Wigtown)
7/8 (Jedburgh)
18 (Morebattle)
24/32 (Peebles/Edinburgh)
25 (Kelso)
26 (Berwick-on-Tweed)
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 F.T. Dry
© Macaulay Land Use Research Institute, Aberdeen.
Issued December 1989
SMUD6 2w

LOCATION AND EXTENT

The Southern Uplands, most extensively to the south of
Melrose and around Hawick in the catchment of the River
Teviot. Locally around Peebles and in Carrick and
Galloway. 325 sq km.

LANDFORM

Undulating lowlands with gentle slopes; valley sites and
depressions.

VEGETATION

Permanent pastures; arable; sharp-flowered rush pasture.

CLIMATE

Eastern Southern Uplands Western Southern Uplands

<i>av. ann. rainfall, mm</i>	895	1070
<i>accum. temperature</i> <i>(day °C above 0°C Jan-Jun)</i>	1080-1210	1230-1400
<i>maximum PSMD, mm</i>	110-120	100-110
<i>growing season, days</i>	215	250
<i>field capacity</i>	mid-Oct to early Mar	early Oct to early Mar

SOIL DESCRIPTION

topsoil

subsoil

<i>colour</i>	greyish brown to grey	greyish brown to light brownish grey
<i>texture</i>	clay loam	clay loam
<i>structure</i>	moderate medium angular blocky	weak medium angular to coarse prismatic
<i>stone content</i>	slightly stony	slightly stony
<i>potential rooting depth</i>	30-35 cm; limited by compact subsoil or high water-table	
<i>COMMENT</i>	Compact subsoil restricts rooting depths and water movement.	

SOIL CHEMISTRY

Moderately high to high percentage base saturation in
subsoil. Generally low total phosphorus in subsoil.

MAP UNIT VARIATION

Locally includes some imperfectly draining soils.