

Kedslie SERIES

A. SOIL MAP UNIT DESCRIPTION

SOIL CLASSIFICATION

SCOT: Noncalcareous
gleys (Brown forest
soils with gleying on
some maps)

SSEW: Cambic
stagnogley soils

SOIL ASSOCIATION

ETTRICK

PARENT MATERIAL

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

DRAINAGE CLASS

Imperfect

PERMEABILITY CLASS

Slow

REFERENCES

soil maps —

1:63 360 sheets

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

7/8 (Girvan/Carrick)

24/32 (Peebles/Edinburgh)

25 (Kelso)

26 (Berwick-on-Tweed)

33/34 (Haddington/
Eyemouth)

memoirs —

Soils round Stranraer and
Wigtown

Soils round Carrick and
Girvan

Soils round Kelso and
Lauder

Soils round Haddington and
Eyemouth

LOCATION AND EXTENT

In the Southern Uplands, with major areas along the Ale
Water and Leader Water. 320 *sq km*.

LANDFORM

Footslopes of hills and undulating lowlands, moderate or
strong slopes.

VEGETATION

Arable; permanent pastures, (pastures predominant in the
west); some sharp-flowered rush pasture.

CLIMATE

| | |
|---------------------------------------------------------|-------------------------------------|
| <i>av. ann. rainfall, mm</i> | 750 in the east to 1100 in the west |
| <i>accum. temperature</i> (day °C above 0°C Jan-Jun) | 1200-1400 |
| <i>maximum PSMD, mm</i> | 110-120 |
| <i>growing season, days</i> | 225-250 |
| <i>field capacity</i> | Oct or Nov to Mar |

SOIL DESCRIPTION

topsoil

subsoil

colour

dark greyish brown

brownish grey

texture

clay loam

clay loam

structure

moderate medium
subangular blocky

moderate coarse
prismatic

stone content

slightly stony

slightly stony

potential rooting depth

30-40 cm, limited by compact subsoil

COMMENT

Moderately fine textures and coarse
structure in the subsoils impede water
movement and root development.

SOIL CHEMISTRY

Inherently moderately acid. Base saturation is high and
total phosphorus in the subsoil is low.

MAP UNIT VARIATION

Associated with Ettrick Series (noncalcareous gleys with
poor drainage).