

Eckford SERIES

A. SOIL MAP UNIT DESCRIPTION

SOIL CLASSIFICATION

SCOT: Brown forest
soils
SSEW: Typical brown
sands

SOIL ASSOCIATION ECKFORD

PARENT MATERIAL

Reddish brown
fluvioglacial sands and
gravels derived mainly
from Upper Old Red
Sandstone sediments.

DRAINAGE CLASS

Free

PERMEABILITY CLASS

Rapid

REFERENCES

soil maps —
1:63 360 sheets
17 (Jedburgh)
18 (Morebattle)
23 (Hamilton)
24/32 (Peebles/Edinburgh)
25 (Kelso)
26 (Berwick-on-Tweed)
33/34 (Haddington/
Eyemouth)

memoirs —
Soils round Jedburgh and
Morebattle
Soils round Kelso and
Lauder
Soils round Haddington and
Eyemouth

LOCATION AND EXTENT

In south-east Scotland around Eckford, Teviotdale,
Gordon and Edrom; also at Lanark, Dunsyre and West
Linton. 48 sq km.

LANDFORM

Terraces and mounds with gentle or strong slopes.

VEGETATION

Arable; permanent pastures.

CLIMATE

<i>av. ann. rainfall, mm</i>	730-895
<i>accum. temperature</i> <i>(day °C above 0°C Jan-Jun)</i>	1090-1340
<i>maximum PSMD, mm</i>	120-140
<i>growing season, days</i>	215-220
<i>field capacity</i>	mid-Oct to early Nov to early Mar

SOIL DESCRIPTION

topsoil

subsoil

<i>colour</i>	reddish brown	reddish brown
<i>texture</i>	sandy loam	loamy sand
<i>structure</i>	weak fine subangular blocky	single grain
<i>stone content</i>	slightly stony	slightly stony
<i>potential rooting depth</i>	unrestricted except for occasional presence of weak induration in the subsoil	
COMMENT	These coarse-textured soils are easily worked but can be droughty in dry summers.	

SOIL CHEMISTRY

Low total phosphorus in subsoil. Moderately acid. Copper
deficiency has been encountered in some areas.

MAP UNIT VARIATION

The soils are generally slightly stony but can be
moderately stony on ridges.