

Langtonlees SERIES

A. SOIL MAP UNIT DESCRIPTION

SOIL CLASSIFICATION

SCOT: Humus-iron
podzols (peaty podzols
or iron podzols on
early maps)
SSEW: Humo-ferric
podzol

SOIL ASSOCIATION

LAUDER

PARENT MATERIAL

Reddish brown stony
sandy loam drift derived
from sandstones and
conglomerates of Upper
Old Red Sandstone age.

DRAINAGE CLASS

Free

PERMEABILITY CLASS

Moderate or rapid

REFERENCES

soil maps —
1:63 360 sheets
25 (Kelso)
33/34 (Haddington/
Eyemouth)

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

LOCATION AND EXTENT

Monynut Water and Upper Lauderdale. 16 sq km.

LANDFORM

Strong to steep hill and valley sides.

VEGETATION

Dry Atlantic heather moor; white bent grassland.

CLIMATE

<i>av. ann. rainfall, mm</i>	850-950
<i>accum. temperature</i> <i>(day °C above 0°C Jan-Jun)</i>	1080-1210
<i>maximum PSMD, mm</i>	110-120
<i>growing season, days</i>	215
<i>field capacity</i>	mid-Oct to early Mar

SOIL DESCRIPTION

topsoil

subsoil

colour

black or very dark
brown

greyish brown to
brown or reddish
brown

texture

organic matter 5-15
cm thick

sandy loam

structure

moderate medium
angular blocky

moderate medium
subangular blocky

stone content

stoneless

moderately or very
stony

potential rooting depth

40-60 cm. Limited by induration or rock

COMMENT

Soils developed on shallow drift.

SOIL CHEMISTRY

Inherently acid. Low percentage base saturation
throughout. Natural deficiencies in copper, cobalt and
manganese are possible.

MAP UNIT VARIATION

Little variation in this map unit.