

SOIL CLASSIFICATION

SCOT: Brown forest
soils with gleying
SSEW: Stagnogleyic
brown earth

SOIL ASSOCIATION

HOBKIRK

PARENT MATERIAL

Red, fine-textured drifts
derived from marls and
shales of Upper Old Red
Sandstone age.

DRAINAGE CLASS

Imperfect

PERMEABILITY CLASS

Moderate

REFERENCES

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

memoirs —
Soils round Haddington and
Eyemouth

LOCATION AND EXTENT

In south-east Scotland, between Stenton and Dunbar and
around Gifford. 8 sq km.

LANDFORM

Undulating lowlands with gentle and steep slopes.

VEGETATION

Arable; short ley pastures.

CLIMATE

<i>av. ann. rainfall, mm</i>	675
<i>accum. temperature</i> <i>(day °C above 0°C Jan-Jun)</i>	1230-1390
<i>maximum PSMD, mm</i>	130-150
<i>growing season, days</i>	225
<i>field capacity</i>	mid-Nov to early Mar

SOIL DESCRIPTION

topsoil

subsoil

<i>colour</i>	reddish brown	reddish brown
<i>texture</i>	sandy silt loam	clay loam
<i>structure</i>	moderate medium blocky	moderate coarse prismatic
<i>stone content</i>	very slightly stony	moderately stony
<i>potential rooting depth</i>	30-50 cm, restricted by compact subsoil	
COMMENT	Reddish brown colours, moderately fine-textured subsoils, and rock often within 60-200 cm, typify these soils.	

SOIL CHEMISTRY

pH and base saturation are moderate in the subsoil, but
may be higher where the drift contains marl. Phosphorus
levels in the subsoil are generally low.

MAP UNIT VARIATION

Rock is present near the surface in some areas.