

# Carter SERIES

## A. SOIL MAP UNIT DESCRIPTION

### SOIL CLASSIFICATION

SCOT: Peaty gleys

SSEW: Cambic  
stagnohumic gley soils

### SOIL ASSOCIATION

CARTER

### PARENT MATERIAL

Reddish or yellowish  
brown clay loam till  
derived from Lower  
Carboniferous  
sandstones.

### DRAINAGE CLASS

Poor

### PERMEABILITY CLASS

Slow

### REFERENCES

*soil maps* —  
1:63 360 sheets  
17 (Jedburgh)  
18 (Morebattle)

*memoirs* —  
Soils round Jedburgh and  
Morebattle

### LOCATION AND EXTENT

Near the Scotland/England border from Hungry Hill east  
of Carter Bar south-westward to Rowanburn. 307 *sq km*.

### LANDFORM

Hills, undulating uplands and valley sides with smooth,  
gentle or moderate, non-rocky slopes.

### VEGETATION

Flying bent grassland, flying bent bog.

### CLIMATE

<i>av. ann. rainfall, mm*</i>	1250-1750
<i>accum. temperature*</i> (day °C above 0°C Jan-Jun)	no data
<i>maximum PSMD, mm</i>	50-80
<i>growing season, days*</i>	no data
<i>field capacity*</i>	no data

SOIL DESCRIPTION	<i>topsoil</i>	<i>subsoil</i>
<i>colour</i>	black	pale olive
<i>texture</i>	organic matter 5-30 cm thick	clay loam
<i>structure</i>	weak subangular blocky	moderate medium prismatic
<i>stone content</i>	stoneless	slightly stony
<i>potential rooting depth</i>	up to 50 cm to compact subsoil	
COMMENT	Well developed organic surface layers, strongly gleyed, slowly permeable, fine- textured subsoils, and prolonged waterlogging are typical of these soils.	

### SOIL CHEMISTRY

Low pH and base saturation in the surface organic layer,  
increasing to medium in the subsoil.

### MAP UNIT VARIATION

Some variation in depth of organic surface layer.