

# HOW TO COMPLETE THE SOIL PROFILE DESCRIPTION RECORDING FORMS 'RUFFs'

Taken from the original document

**'HOW TO COMPLETE THE  
NEW RECODING FORMS'**

dated 6 May 1983

compiled by  
**R.G.O. Burton**

Front

Grid Ref. <input type="text"/>		Proj. No. <input type="text"/>		9 8 7 6 5 4 3 2 1	
Subgroup <input type="text"/>		Series <input type="text"/>		Var <input type="text"/>	
Slope <input type="text"/>		Slope shape <input type="text"/>		Date <input type="text"/>	
Land Use <input type="text"/>		Vegetation <input type="text"/>		Community GV <input type="text"/>	
Spare <input type="text"/>					

Depth <input type="text"/>	PSC/Peat <input type="text"/>	Matrix <input type="text"/>	v c <input type="text"/>	Mottle 1 <input type="text"/>	v c <input type="text"/>	Ab <input type="text"/>	Stone Ab <input type="text"/>	Size <input type="text"/>	Hrd <input type="text"/>	Other Stones <input type="text"/>	Abund Fe/Mn Jar <input type="text"/>
Horizon <input type="text"/>	Hum <input type="text"/>	CaCO <sub>3</sub> <input type="text"/>	<input type="text"/>	Mottle 2 <input type="text"/>	v c <input type="text"/>	Ab <input type="text"/>	Type <input type="text"/>	Subtype <input type="text"/>	Grain size mm <input type="text"/>	Rk <input type="text"/>	

Depth <input type="text"/>	PSC/Peat <input type="text"/>	Matrix <input type="text"/>	v c <input type="text"/>	Mottle 1 <input type="text"/>	v c <input type="text"/>	Ab <input type="text"/>	Stone Ab <input type="text"/>	Size <input type="text"/>	Hrd <input type="text"/>	Other Stones <input type="text"/>	Abund Fe/Mn Jar <input type="text"/>
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Horizon <input type="text"/>	Hum <input type="text"/>	CaCO <sub>3</sub> <input type="text"/>	<input type="text"/>	Mottle 2 <input type="text"/>	v c <input type="text"/>	Ab <input type="text"/>	Type <input type="text"/>	Subtype <input type="text"/>	Grain size mm <input type="text"/>	Rk <input type="text"/>	

0 = none F = few C = common M = many A = abundant (not concr.; not mottles!) V = very many (not stones!) X = extr. abund. (not mottles!)  
 VS = very small S = small M = medium L = large VL = very large B = boulders

Reverse

Depth <input type="text"/>	PSC/Peat <input type="text"/>	Matrix <input type="text"/>	v c <input type="text"/>	Mottle 1 <input type="text"/>	v c <input type="text"/>	Ab <input type="text"/>	Stone Ab <input type="text"/>	Size <input type="text"/>	Hrd <input type="text"/>	Other Stones <input type="text"/>	Abund Fe/Mn Jar <input type="text"/>
Horizon <input type="text"/>	Hum <input type="text"/>	CaCO <sub>3</sub> <input type="text"/>	<input type="text"/>	Mottle 2 <input type="text"/>	v c <input type="text"/>	Ab <input type="text"/>	Type <input type="text"/>	Subtype <input type="text"/>	Grain size mm <input type="text"/>	Rk <input type="text"/>	

Depth <input type="text"/>	PSC/Peat <input type="text"/>	Matrix <input type="text"/>	v c <input type="text"/>	Mottle 1 <input type="text"/>	v c <input type="text"/>	Ab <input type="text"/>	Stone Ab <input type="text"/>	Size <input type="text"/>	Hrd <input type="text"/>	Other Stones <input type="text"/>	Abund Fe/Mn Jar <input type="text"/>
Horizon <input type="text"/>	Hum <input type="text"/>	CaCO <sub>3</sub> <input type="text"/>	<input type="text"/>	Mottle 2 <input type="text"/>	v c <input type="text"/>	Ab <input type="text"/>	Type <input type="text"/>	Subtype <input type="text"/>	Grain size mm <input type="text"/>	Rk <input type="text"/>	

Depth <input type="text"/>	PSC/Peat <input type="text"/>	Matrix <input type="text"/>	v c <input type="text"/>	Mottle 1 <input type="text"/>	v c <input type="text"/>	Ab <input type="text"/>	Stone Ab <input type="text"/>	Size <input type="text"/>	Hrd <input type="text"/>	Other Stones <input type="text"/>	Abund Fe/Mn Jar <input type="text"/>
Horizon <input type="text"/>	Hum <input type="text"/>	CaCO <sub>3</sub> <input type="text"/>	<input type="text"/>	Mottle 2 <input type="text"/>	v c <input type="text"/>	Ab <input type="text"/>	Type <input type="text"/>	Subtype <input type="text"/>	Grain size mm <input type="text"/>	Rk <input type="text"/>	

Control section (for unknowns)											
PSC gpg <input type="text"/>	L.morph <input type="text"/>	Col <input type="text"/>	Mineralogy <input type="text"/>	CaCO <sub>3</sub> <input type="text"/>	Soft materials <input type="text"/>	Pt type <input type="text"/>	Stones in drift <input type="text"/>	Alluvia <input type="text"/>	Drift types <input type="text"/>		
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Figure 1. The soil profile description card (RUFF) used to record site and soil information from auger bores (70% of actual size).



● **Slope**

**Slope**

<3	3-7	8-11	12-15	16-25	>25
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Tick one box to select the slope.

Slope Range	Definition
<3°	Level to gently sloping
3°-7°	Moderately sloping
8°-11°	Strongly sloping
12°-15°	Moderately steeply sloping
16°-25°	Steeply sloping
>25°	Very steeply sloping to precipitous

● **Slope shape**

**Slope shape**

cx	str	cv
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Tick one box for slope shape:

Code	Slope shape descriptor
cx	convex
str	straight
cv	concave

● **Date**

**Date**

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Enter digits for the month in the two left hand boxes and the final digits of the year in the two right-hand boxes. The space to the left of these boxes can be used to write down the day of the month (*preferred option*) for the user's own convenience.

Example: 

	4	9	8
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 April 1998

● **Observer**

**Observer**

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Enter unique two- or three-letter initials.

**Land Use, Vegetation & Community**

**Land Use**

ley	pgr	rgr	ara	hort	dcd	con	mug	rec	oth
-----	-----	-----	-----	------	-----	-----	-----	-----	-----

**Vegetation**

scr	sal	dun	bra	gor
-----	-----	-----	-----	-----

**Community**

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● Land Use

**Land Use**

ley	pgr	rgr	ara	hort	dcd	con	mug	rec	oth
-----	-----	-----	-----	------	-----	-----	-----	-----	-----

Tick one box to select land use from the following:

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**Land Use**

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Ley grassland	ley
Permanent grassland	pgr
Enclosed rough grassland	rgr
Arable	ara
Horticulture	hort
Deciduous woodland	dcd
Coniferous woodland	con
Made-up ground	mug
Recreation, including public open space, golf course, caravan park, beach	rec
Other use	oth

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If the vegetation boxes are used there is no need to tick a land use box.

● Vegetation

**Vegetation**

scr	sal	dun	bra	gor			
-----	-----	-----	-----	-----	--	--	--

This field refers mainly to rough or unenclosed land and identifies the categories of scrub (scr), saltmarsh (sal), dune (dun), bracken (bra) and gorse (gor), plus 3 blank boxes for grassland, bog and heath community codes listed below. If the vegetation boxes are used there is no need to tick a land use box. A land use box must be ticked if the vegetation community is not filled in. The bracken and gorse boxes are used only where these species are dominant, or (preferably) in conjunction with a community abbreviation:

● Community

**Community**

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One code is entered where appropriate.

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**Grasslands**

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Rye-grass crested dog's tail	RG	Bristle-leaved bent	BL
Dune	DU	Rush pasture	RU
Crested hairgrass	CH	Nardus (white bent)	NA
Sweet vernal - Yorkshire fog	SV	Rock-rose - fescue	RF
Meadow grass - bent	MB	Tufted hair-grass	
Blue sesleria	BS	( <i>Deschampsia caespitosa</i> )	TH
Bent-fescue	BF	Molinia (flying bent)	MO

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Swamps and bogs		Mountain ("Alpine") vegetation	
Marsh marigold meadow	MM	Viviparous fescue	VF
Meadow sweet meadow	MS	Stiff sedge	SS
Yellow flag swamp	YF	Heath-rush	HR
Sedge mires	SM	Club-moss (alpine)	CM
Bog-moss water track	BM	Lichen heath (alpine)	LH
Blanket bog	BB	Rhacomitrium heath	RH
Reed swamp	RE		
Sphagnum bog	SP <sup>1</sup>		

Moorlands and heaths	
Dry heather moor	DH
Moist heather moor	MH
Bog heather moor	BH
Vaccinium heath (bilberry)	VH

Specifying the type of crop may be achieved by entering a two- or three-letter abbreviation in the 'community' boxes. The abbreviations are as follows:

Arable Crops		Horticulture		Orchards	
Wheat	WH	Flowers/bulbs	FL	Apples	AP
Barley	BA	Beans	BE	Pears	PR
Oats	OA	Leeks	LE	Plums or cherries	PL
Rye	RY	Lettuce	LT		
Maize	MA	Nursery	NU		
Oil-seed rape	OS	Onions	ON		
Fodder crops (kale, mangolds, swedes, etc)	FC	Peas	PE		
Mustard	MU	Soft fruit	SF		
Potatoes	PO	Vines	VI		
Sugar beet	SB	Cabbage <sup>1</sup>	CA		
Carrots <sup>1</sup>	CA	Celery <sup>1</sup>	CE		
Root crops (parsnips, etc)	RO				
Linseed <sup>1</sup>	LS				
Hops	HO				
Fallow	FA				
Set aside, stewardship, etc <sup>1</sup>	SA				

Winter and spring barley can be indicated by prefixing the appropriate abbreviation by W or S, *e.g.* WBA - winter barley. Similarly potato crops can be identified by the prefix letters E and M for 'early' and 'main-crop', *e.g.* EPO - early potatoes.

<sup>1</sup> category added since original version

- **Grazing value (GV)** **GV**

One of the codes is entered:

Relative Grazing Value		Code
>8	Very Good	V
5-8	Good	G
2-4	Moderate	M
<2	Poor	P

- **Spare**

(these data are for the convenience of the user but will not be included in LandIS)

There are 3 plus 2 boxes that may be used. The first three boxes can be used for field-determined pH (1:1 in water) of the topsoil (0-5 cm depth), to two decimal places and omitting the decimal point, for example:

**Spare**

Additional information written on the card is not normally recorded, but for the Nuclear Sites surveys, for example, the consecutive Bore No. placed in the space at the top right-hand corner of the card has been allocated to the 'USER\_1' field in the computer input program RUFFS.EXE to link computer generated data sorted by Grid Reference or other field, with the actual hand-written card for easy selection of the card when checking. A further useful parameter included is the altitude of the site (as 'USER\_2') in metres above Ordnance Datum, read from the map using contour lines and spot heights as a guide.

### Soil Horizon Section – mineral horizons

- **Depth** **Depth**

The *lower* depth limit of the horizon is recorded.

- **PSC/Peat** **PSC/Peat**

Four boxes are available to record Particle-size Class (PSC) or Peat texture, with the left-most box being used for the moderator (e.g. sand grade of fine (f), medium (m) or coarse (c)) and the remaining three boxes for the recognised texture abbreviation, as indicated in Figure 2.

- **Colour**

Matrix		v	c
1	0	Y	R
5	6		

Soil colours are determined by comparison with the standard Soil Color Charts of the Munsell Color Company, Baltimore, USA. The codes for these colours are used and occupy six boxes, consisting of two numbers, two letters and two numbers. This applies to the boxes for the matrix colour and the colours of the two main mottles, if any.

- **Mottle Abundance**

Mottle 1				v	c		Ab

Mottle intensity and abundance are an indication of soil wetness. Abundance (Ab) is determined with reference to the Soil Survey Field Handbook (p. 17) and coded as follows:

%	Mottle Abundance	Code
	None	0
<2	Few	F
2–20	Common	C
20–40	Many	M
>40	Very many	V

- **Horizon**

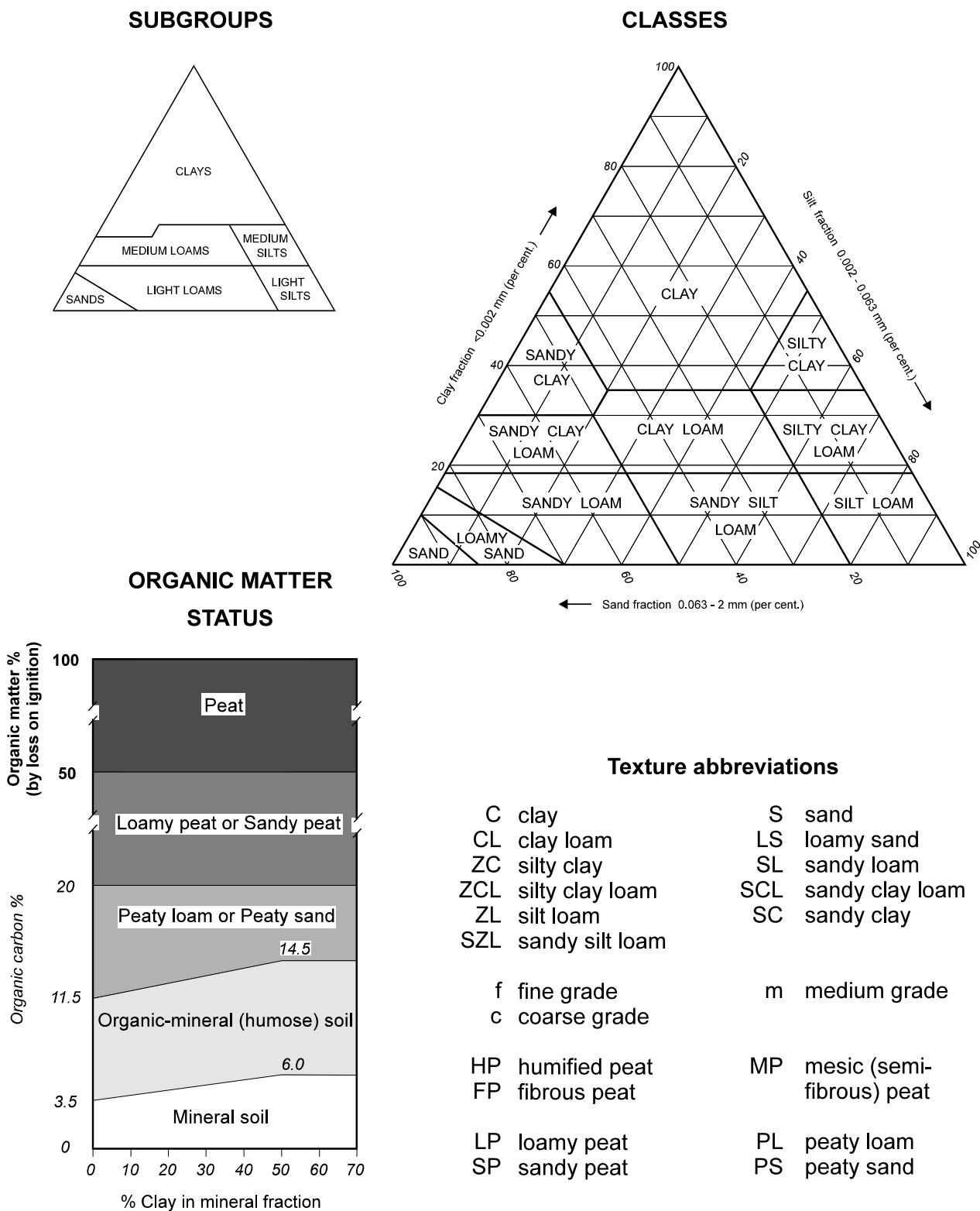
Horizon					

Soil horizons are usually designated A, E, B, BC, C and R in a sequence from the ground surface downwards; highly organic horizons, wherever they occur in the soil profile, are designated O if caused by waterlogging, or L, H or F if derived from surface litter accumulations. These are entered as one or two upper case letters starting from the second box from the left.

Prefixes and suffixes are used for more precise allocation. These should be entered as lower case letters and numbers in accordance with instructions in the Soil Survey Field Handbook (p. 83), e.g. Ap, Bw(g), BCg. Horizons qualifying for the same letter notation and occurring in vertical sequence are denoted by numerals placed after the letter designation, e.g. Bw1 and Bw2. A lithological discontinuity is indicated by a numerical prefix placed in the first box on the left, e.g. 2Bw(g), 3Cg. A buried horizon is given the prefix b in the first box on the left, e.g. bAh. In bisequal profiles formed by successive phases of horizon development, horizons in the lower sequum are distinguished by a prime accent, e.g. B't.



**Soil texture subgroups and classes, and organic matter status**



**Figure 2. Soil texture classes and subgroups, and organic matter status.**

- **Organic Matter (OM)** Hum

The Hum ? box is ticked if the soil horizon is assessed as a humose mineral soil (see Fig.2, organic matter status). Leave the box blank for peat soil material.

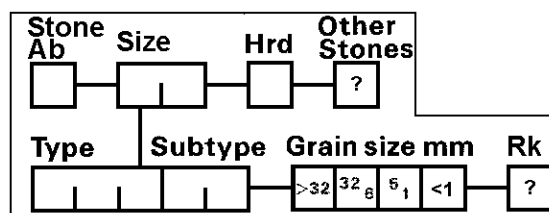
- **Calcium Carbonate Content** CaCO<sub>3</sub>  
 <1  1 10  10 40  >40

The appropriate CaCO<sub>3</sub> percentage class box is ticked to indicate the carbonate content, estimated by applying dilute hydrochloric acid to the soil sample. The choices are:

Carbonate descriptor	% Class Code
Non-calcareous	<1
Calcareous	1 10
Very calcareous	10 40
Extremely calcareous	>40

- **Stones**

Stone abundance, size, hardness, lithology and lithological sub-type are recorded for the main stone type. Grain size is also an option as is whether any other stone type is present.



- **Stone abundance** Stone Ab

One of the following codes is entered:

%	Abundance descriptor	Code
<1	Stoneless	0
1-5	Few stones	F
6-15	Common stones	C
16-35	Many stones	M
35-70	Abundant stones	A
>70	Extremely abundant stones	X

- **Stone size** Size

One of the following codes is entered:

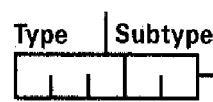
Size	Size descriptor	Code
2–6 mm	Very small	VS
6 mm–2 cm	Small	S
2–6 cm	Medium	M
6–20 cm	Large	L
20–60 cm	Very large	VL
>60 cm	Boulders	B

● **Stone hardness**



Enter V (very hard), H (hard) or S (soft) in accordance with definitions in the Field Handbook (p. 82).

● **Stone lithology and sub-type**



The type of stone, and sub-type if any, are recorded in three and two boxes respectively. The following abbreviations are used:

**Types**

**Sedimentary**

Flint	FLI	Greywacke	GWK
Chert	CHE	Breccia	BRE
Quartzite	QTZ	Conglomerate	CON
Mudstone	MUD	Limestone	LST
Cleaved mudstone	CLM	Shelly limestone	SHL
Clay shale	CSH	Oolitic limestone	OOL
Siltstone	ZST	Pisolitic limestone	PIL
Silty shale	ZSH	Calcite mudstone	CAM
Quartzitic sandstone	QST	Chalk	CHA
Sandstone	SST	Coal	COA
Grit	GRT	Shale	SHA

**Igneous**

Acid	ACI
Acid-intermediate	A-I
Basic-intermediate	B-I
Basic	BAS
Ultrabasic	UBA
Serpentine	SER
Agglomerate	AGG
Volcanic breccia	VBR
Tuff	TUF
Glass	GLA
Pumice	PUM

**Metamorphic**

Hornfels	HOR
Quartzite	QTZ
Slate	SLA
Phyllite	PHY
Mica schist	MIS
Hornblende schist	HOS
Acid gneiss	ACG
Basic gneiss	BAG

**Sub-types**

calcareous	CA	glaucous	GL
micaceous	MI	dolomitic	DO
haematitic (red)	HA	sandy	SA
carbonaceous (black)	CB	argillaceous (marly)	AR
ferruginous	FE	green	GR
felspathic (arkosic)	FL		

All artefacts, bricks, tiles, ashes, blue willow-pattern plates, clay pipe stems, glass, *etc.* are entered as ART.

● **Grain size**

**Grain size mm**

>32	32-6	5-1	<1
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Grain size can be used to record the 'texture' of igneous, metamorphic and sedimentary rock and stones. The options are:

Size descriptor	Size Code (mm)
very coarse	>32
coarse	32-6
medium	5-1
fine	<1

Very coarse usually refers to agglomerates and breccias. When identifying igneous rocks ignore individual phenocrysts and record only the grain size of the interstitial material.

● **Rock**

<b>Rk</b>
?

If rock (Cr or Cu horizon) is encountered at the base of the profile, use the Stone boxes to record lithology and tick the Rk ? box

● **Abundance of ferri-manganiferous nodules**

**Abund**  
Fe/Mn Jar

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Ferri-manganiferous nodules are an indication of wetness, and are particularly useful in reddish coloured soils in which mottles do not form clearly. An abundance code can be entered, F few (<2% of the volume of the horizon), C common (2–20%), M many (20–40%) and V very many (>40%).

● **Abundance of Jarosite**

**Abund**  
Fe/Mn Jar

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Jarosite is a basic sulphate that forms as yellow mottles in mineral soil material and is an indication of strong acidity (pH values less than 4). An abundance code can be entered, F few (<2% of the volume of the horizon), C common (2–20%), M many (20–40%) and V very many (>40%).

## Soil Horizon Section – organic horizons

The instructions for mineral soil horizons for Depth, Colour (matrix colour), Horizon and Calcium Carbonate Content apply also to organic soil horizons. Boxes used for PSC/Peat, Colour of Mottle 1 and Mottle 2, Mottle Abundance and Stone Lithology can be used for recording characteristics unique to organic (peat) soils and deposits.

### ● PSC/Peat

Use the left-hand box for the von Post code from 1 (H1 undecomposed) to 9 (H9 almost completely decomposed), as set out in Table 1, *i.e.* omitting the prefix H. H10 (completely decomposed) has to be entered as 9.

**Table 1. Modified version of the von Post scale for assessing the degree of decomposition of peat.**

In this field test a sample of wet peat is squeezed in the closed hand and the colour of the liquid that is expressed between the fingers, the proportion of the original sample that is extruded and the nature of the plant residues are observed.

RUFF code	Degree of decomposition	Nature of liquid expressed on squeezing	Proportion of peat extruded between fingers	Nature of plant residues	Description
1	H1	Clear, colourless	None	Plant structure unaltered; fibrous, elastic	Undecomposed
2	H2	Almost clear, yellow-brown	None	Plant structure distinct; almost unaltered	Almost undecomposed
3	H3	Slightly turbid, brown	None	Plant structure distinct; most remains easily identifiable	Very weakly decomposed
4	H4	Strongly turbid, brown	None	Plant structure distinct; most remains identifiable	Weakly decomposed
5	H5	Strongly turbid, contains a little peat in suspension	Very little	Plant structure clear but becoming indistinct; most remains difficult to identify	Moderately decomposed
6	H6	Muddy, much peat in suspension	One-third	Plant structure indistinct but clearer in the squeezed residue than in undisturbed peat; most remains unidentifiable	Well decomposed
7	H7	Strongly muddy	One-half	Plant structure indistinct but recognisable; few remains identifiable	Strongly decomposed
8	H8	Thick mud, little free water	Two-thirds	Plant structure very indistinct; only resistant remains such as root fibres and wood identifiable	Very strongly decomposed
9	H9	No free water	Nearly all	Plant structure almost unrecognisable; practically no identifiable remains	Almost completely decomposed
9	H10	No free water	All	Plant structure unrecognisable; completely amorphous	Completely decomposed

Use the three right-hand boxes for the nature of the material, entered as an abbreviation given in Figure 2, *e.g.* LP for loamy peat, PS for peaty sand. To record the fibre content of peat use the upper case letters F for fibrous, M for semi-fibrous (mesic) and H for amorphous or humified peat, *e.g.* HP for amorphous peat.

Estimates of the unrubbed and rubbed fibre contents can be noted above and below the boxes respectively.

Do not tick the Hum ? box for organic materials.

● **Troels-Smith classification**

For a description of component elements of biogenic sediments a system devised by Troels-Smith (1955) is used. There are five main sediment categories:

- Turfa ('peat', coarse fraction)
- Detritus (median fraction)
- Limnus (fine fraction)
- Argilla (clay and silt)
- Grana (sand and gravel)

Each is subdivided into elements, as described in Table 2.

**Table 2. Scheme for the description of the composition of biogenic sediments (from Troels-Smith, 1955).**

Class	Code	Element	Description
	Sh	Substantia humosa	Humous substance, homogeneous microscopic structure.
I Turfa	Tb <sup>0-4</sup>	T. bryophytica	Mosses +/- humous substance.
	Tl <sup>0-4</sup>	T. lignosa	Stumps, roots, intertwined rootlets, of ligneous plants +/- trunks, stems, branches, etc., connected with these, +/- humous substance.
	Th <sup>0-4</sup>	T. herbacea	Roots, intertwined rootlets, rhizomes, of herbaceous plants +/- stems, leaves, etc., connected with these, +/- humous substance.
II Detritus	DI	D. lignosus	Fragments of ligneous plants >2 mm.
	Dh	D. herbosus	Fragments of herbaceous plants > 2 mm.
	Dg	D. granosus	Fragments of ligneous and herbaceous plants, and, sometimes, of animal fossils (except molluscs) < 2mm > c. 0.1 mm.
III Limus	Ld <sup>0-4</sup>	L. detrituosus	Plants and animals (except diatoms, needles of spongi, siliceous skeletons, etc., of organic origin), or fragments of these. Particles < c. 0.1 mm, +/- humous substance.
	Lso	L. siliceus organogenes	Diatoms, needles of spongi, siliceous skeletons, etc., of organic origin, or parts of these. Particles of < c. 0.1 mm.
	Lc	L. calcareus	Marl, not hardened like calcareous tufa; lime and the like. Particles < c. 0.1 mm.
	Lf	L. ferrugineus	Rust, non-hardened. Particles < c. 0.1 mm.
IV Argilla	As	A. steatodes	Particles of clay < 0.002 mm.
	Ag	A. granosa	Particles of clay 0.06 to 0.002 mm.
V Grana	Ga	G. arenosa	Mineral particles 0.6 to 0.2 mm.
	Gs	G. saburralia	Mineral particles 2.0 to 0.6 mm.
	Gg (min.)	G. glareosa minora	Mineral particles 6.0 to 2.0 mm
	Gg (maj.)	G. glareosa majora	Mineral particles 20.0 to 6.0 mm

Relative abundance is recorded on a five-point scale:

- 0 absent
- 1 minor presence (1/4)
- 2 medium presence (2/4)
- 3 major presence (3/4)
- 4 sole presence (4/4)

A trace can be represented by '+'.  
 Enter the three-character codes (Table 2) in the Mottle 1 and Mottle 2 boxes. The codes must always add up to four, with a maximum of four codes or 12 boxes being used.

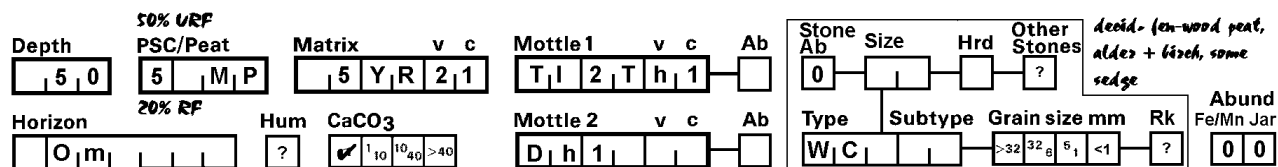
● **Peat type**

With Stone Abundance recorded as 0, the boxes for Stone Type may also be used for recording the peat type. Use the following upper case abbreviations entering the most common component first:

Peat-types		
Sphagnum	S	relatively pure <i>Sphagnum</i> peat
Hypnum	H	mainly hypnaceous moss peat
Polytrichum	P	mainly <i>Polytrichum</i> peat
Woody	W	contains relatively undecomposed wood remains
Ling	L	relatively pure <i>Calluna</i> peat
Eriophorum	E	relatively pure <i>Eriophorum</i> peat
Carex	C	relatively pure sedge peat
Molinia	M	mainly remains of <i>Molinia</i>
Grass	G	mainly remains of other grass species ( <i>Nardus</i> , <i>Deschampsia flexuosa</i> , etc)
Reeds	R	mainly remains of <i>Phragmites</i>

Intergrades can be catered for by the use of two letters, e.g. SE for Sphagnum Eriophorum peat.

Figure 3 is an example of an organic horizon fully described.



**Figure 3. A description of a semi-fibrous peat (MP) horizon extending to 50 cm depth.** The figure 5 indicates von Post class H5, moderately decomposed; there is a 50% unrubbed fibre content (URF) and 20% rubbed fibre content (RF); the Troels-Smith classification is 2 parts T.lignosa (Tl2), 1 part T.herbacea (Th1) and 1 part D.herbosus (Dh1); and the peat type classification is woody (W) with Carex (C).



**Control Section (for unknowns)**

Not currently used

## REFERENCE

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