

AGRICULTURAL LAND CLASSIFICATION

Harts Lane, Monkton, Devon
8FCS 2961

SOIL PROFILE DESCRIPTION

Date of Survey 20.4.89

NO	TEXTURE	COLOUR	DEPTH (CM)	SOIL PROFILE NOTES	TOPOGRAPHY NOTE
1	MSL	5YR54	0-25	approx 2% stone <2 cm	
	C	5YR54/64	25-45	<2% Mn	
			I		
2	MSL	5YR43	0-30	approx 2% st <2 cm	
	MCL	5YR54	30-52	<2% Mn	
	C	5YR54/56	52-60	<2% Mn	
	C	2.5YR54	60-110+	possible SPL from 60 cm with mottling WC II (assuming pale ped faces)	
3	MSL	5YR43	0-30		3° slope
	MSL	5YR44	30-50		
	MSL	5YR44	50-80	approx 2% st <2 cm, Weathering colours and some redder sandy lenses	
	LMS	5YR44	80-110+		
4	MSL	5YR43	0-30		
	MSL	5YR44	30-58		
	MSL	5YR44	58-75	quite sandy; <2% Mn	
	C	2.5YR54	75-110+	and 5YR64/66; >2% Mn with evident pale ped faces; SPL from 75; WC2	
5	MSL	5YR43	0-29		
	MSL	5YR44	29-47		
	LMS	5YR54	47-110+	towards MSL; >2% Mn from 70cm	
6	MSL	5YR43	0-32		5° slope
	MSL	5YR44	32-55		
	MSL	5YR54	55-90	>2% Mn; almost pale colours	
	LMS	5YR44	90-110+		
7	MSZL	5YR43	0-26		Slight hollow; base of 5° slopes
	MSL	5YR44	26-60		
	MSL	5YR54	60-110+		

AGRICULTURAL LAND CLASSIFICATION

SOIL PROFILE DESCRIPTION

Date of Survey

NO	TEXTURE	COLOUR	DEPTH (CM)	SOIL PROFILE NOTES	TOPOGRAPHY NOTE
8	MSL	5YR43/53	0-28		5° slope
	MSL	5YR54	28-60		
	MSL	5YR54	60-85	some redder Sandy lenses; >2% Mn	
	SC	5YR64	85-110+	>2% Mn; varied weathering and mottling colours; possible SPL	
				WC I	
9	MSL	5YR43	0-26		
	MSL	5YR44	26-55		
	MSL	5YR54	55-65		
	SC	2.5YR56	65-110+	2.5YR54 below 80 cm; >2% Mn from 90 cm; possible SPL from 90 cm; WC I	
10	MSL	5YR43	0-28		
	MSL	5YR44	28-50		
	MSL	5YR54	50-60		
	LMS	5YR64	60-70		
	SC	5YR54	70-110+	<2% Mn; no evidence of pale ped faces until below 90 cm; WC I	
11	MSL	5YR43	0-26		
	MSL	5YR44	26-55		
	MSL	5YR54	55-65	no evidence of Mn	
	SC	2.5YR56	65-110+	possible SPL from approx 70 cm, becoming quite sandy from 90 cm; WC I/II	
12	MSL	5YR43	0-32		
	MSL	5YR44	32-45	<2% Mn; approx 2% vsst	
	SC	2.5YR54	45-110+	>2% Mn from 70 cm but no evidence of pale peds; very light and sandy clay, difficult to assess any SPL	
13	MSL	5YR43	0-35		
	MSL	5YR44	35-100	<2% Mn from 60 cm	
	LMS	2.5YR44	100-110+		

AGRICULTURAL LAND CLASSIFICATION

SOIL PROFILE DESCRIPTION

Date of Survey

NO	TEXTURE	COLOUR	DEPTH (CM)	SOIL PROFILE NOTES	TOPOGRAPHY NOT
14	MSL	5YR43	0-35		
	MSL	5YR44	35-100		
	LMS	5YR53	100-110+		
15	MSL	5YR43	0-25		
	MSL	5YR44	25-110+	very uniform subsoil	
16	MSL	5YR43	0-28		
	MSL	5YR44	28-50		
	SCL	2.5YR44	50-65		
			I	(65, 46 cm)	
17	MSZL	5YR54	0-25		
	MSL	5YR54	25-60		
	LMS	2.5YR44	60-110+		
18	MSZL	5YR43	0-25		
	MSL	5YR43	25-40		
	SCL	5YR54	40-110+	almost clay, but no wetness problem evident	
19	MSL	5YR44	0-35		
	MSL	5YR44	35-80	slightly lighter subsoil	
	MSL	5YR54	80-110+		
20	MSL	5YR43	0-32		
	MSL	5YR54	32-100		
	SCL	5YR54	100-110+		
21	MSL	5YR43	0-35		
	MSL	5YR44	35-50		
	LMS	5YR54	50-90		
	LMS	5YR64	90-110+		
22	MSL	5YR43	0-36		6° slope
	MSL	5YR54	36-60		
	MSZL	5YR54	60-110+		

AGRICULTURAL LAND CLASSIFICATION

SOIL PROFILE DESCRIPTION

Date of Survey

NO	TEXTURE	COLOUR	DEPTH (CM)	SOIL PROFILE NOTES	TOPOGRAPHY NOTE
23	MSZL	5YR43	0-35		
	MSL	5YR44	35-110+	almost MSZL to depth	
24	MSZL	5YR44	0-33		
	MSL	5YR44	30-65		
	SCL	2.5YR44	65-90		
	MSL	2.5YR44	90-110+		
25	MSL	5YR44	0-100	little soil variation	
	LMS	2.5YR44	100-110+		
26	MSZL	5YR43	0-50		
	MSZL	5YR54	50-95		
	MSL	5YR54/64	95-110+		
27	MSL	5YR43	0-25	Surface Mn, <2%	6° slope
	MSL	5YR44	25-40	towards SCL	
	SCL	5YR44	40-60	Mn from 52 cm, <2%	
	SCL	2.5YR54/44	60-110+	>2% Mn; with coarse sand fraction	
				from 90cm	
				No evidence of pale ped faces in	
				auger samples; No SPL	
28	MSZL	7.5YR42	0-26	Surface Mn, >2%	
	MSL	5YR44	26-65	<2% Mn	
	MSL	2.5YR44/54	65-110+		
				No evidence of wetness or SPL	
29	MSZL	5YR43	0-22		
	MSL	5YR44	22-50		
	MSZL	5YR54	50-80	<2% Mn from 70 cm	
	SCL	2.5YR54	80-101	approx 5% stone < 2 cm	
			I	No evidence of wetness or SPL	
30	MSZL	5YR43	0-32		
	MSL	5YR44	32-70		
	MSL	5YR44/54	70-110+	towards MSZL at base	
				No evidence of wetness or SPL	

SOIL PROFILE DESCRIPTION

Date of Survey

NO	TEXTURE	COLOUR	DEPTH (CM)	SOIL PROFILE NOTES	TOPOGRAPHY NOTES
31	MSL	5YR44	0-30		Bottom of 8° sl
	SCL	2.5YR54	30-60		
	MSL	2.5YR56	60-90	or towards 10R56; very sandy	
	SCL	2.5YR44	90-110+		
32	MSZL	5YR43	0-15	>2% Mn	
	MSZL	5YR54	15-110+	>2% Mn; <2% Mn from 80 cm	
				No evidence of gleying or SPL	
33	MSL	5YR33	0-22		
	SCL	5YR44	22-30		
	MSL	5YR44	30-50		
	MSL	5YR54	50-70		
	SCL	2.5YR44/46	70-110+		
				No evidence of wetness or SPL	
34	SCL	5YR33	0-26	>2% surface Mn	
	SCL	5YR44	26-60		
	MCL	5YR54	60-110+		
				No evidence of wetness or SPL	
35	MSL	5YR43	0-28		5° slope
	MSL	5YR44	28-45		
	SCL	5YR44	45-110+		
				No evidence of wetness or SPL	
36	MSZL	7.5YR42	0-5		
	SCL	5YR54	5-40		
	HCL	5YR54	40-65	>2% Mn; approx 2% stone <2 cm	
	C	5YR56	65-70	>2% Mn; approx 10% stone <2 cm; no evident pale ped faces in auger sample	
	C	5YR56	70-100+	>2% Mn; 2% mottling evident; pale ped faces apparent in auger sample wetness class II	
				<	

AGRICULTURAL LAND CLASSIFICATION

SOIL PROFILE DESCRIPTION

Date of Survey

NO	TEXTURE	COLOUR	DEPTH (CM)	SOIL PROFILE NOTES	TOPOGRAPHY NOTE
37	MSL	5YR44	0-32		
	SCL	5YR54	32-60	<2% Mn from 50 cm	
	SCL/FSL	5YR54	60-90	>2% Mn, with some paler colours	
				5YR64	
	MSL	5YR54	90-110+		
				No SPL, possible gleying, WC I	
38	MSZL	5YR44	0-20		
	MSZL	5YR54	20-40	<2% Mn	
	MCL	5YR54/64	40-80	almost pale, >2% Mn; some mottle colours	
			I	No SPL; some gleying; WC I	
38A	Clay from	55 cm with possible SPL			
39	MSZL	5YR44	0-15		
	MCL	5YR54	15-38		
	C	5YR54	38-100+	>2% Mn from approx 45 cm with some mottling and possible pale ped faces; possible SPL from 55/60 cm	
				WC III	
40	MCL	5YR44	0-40		
	HCL	5YR54	40-62	<2% Mn	
	C	5YR54	62-90+	>2% Mn; pale ped faces 5YR64; possible mottling above 70cm, distinct below 70 cm	
				WC II (III)	
41	MCL	7.5YR54	0-30	surface mottling	
	HCL	7.5YR64/66	30-40	pale; >2% Mn	
	C		40-75	possible SPL from 40 cm, definite from 55cm; into Marly 7.5YR64 from 55 cm with mottles and weath. colours	
			I	WC III	
				(others Imp at 70, 90 cm)	

AGRICULTURAL LAND CLASSIFICATION

SOIL PROFILE DESCRIPTION

Date of Survey

NO	TEXTURE	COLOUR	DEPTH (CM)	SOIL PROFILE NOTES	TOPOGRAPHY NOTE
42	MSL	5YR54	0-25		
	MSL	5YR44	25-100+	No evidence of wetness	
43	MSZL	5YR54	0-22		
	MSL	5YR44	22-110+	No evidence of wetness	
44	MSL	5YR44	0-30		
	MSL	5YR54	30-70		
			I		
45	MSZL	5YR44	0-20	surface mottling	
	MSL	5YR44	20-40	>2% Mn	
	HCL	5YR54/56	40-60	>2% Mn; some mottle colours	
	C	5YR54	60-85	>2% Mn; mottling	
	C	5YR64	85-110+	>2% Mn; mottling	
				SPL from approx 60 cm; WC II	
46	MCL	5YR54	0-40		
	C	5YR64	40-80+	>2% Mn; mottling	
				SPL at 50 cm; WC III	
47	MSZL	5YR44	0-30		
	SC	10R44	30-45	soft purple Marl; <10% sst	
			I		
47A	MSL	5YR44	0-60		5° slope
	MSL	5YR54	60-110+	WC I	
48	MSL	5YR44	0-55		3° slope
	MSL	5YR54	55-75		
	MSL	5YR64	75-110+		
49	MSZL	5YR44	0-50		
	MSL	5YR44	50-90		
	MSL	5YR54	90-110+	WC I	
50	MSL	5YR44	0-80	little soil variation	
	MSZL	5YR54	80-110+		

AGRICULTURAL LAND CLASSIFICATION

SOIL PROFILE DESCRIPTION

Date of Survey

NO	TEXTURE	COLOUR	DEPTH (CM)	SOIL PROFILE NOTES	TOPOGRAPHY NOTE
51	MSL	5YR44	0-50		6° slope
	SCL	5YR44	50-80		
	SCL	5YR54	80-110+	WC I	
52	MSL	5YR43	0-27	<2% Mn	
	SCL	2.5YR54/44	27-45	approx 2% stones <2 cm	
	MSL	2.5YR54	45-60	or towards 10R56	
	SC	2.5YR54	60-72	>2% Mn; not thick enough for SPL	
	MSL	2.5YR54	72-90		
			I		
53	MCL	5YR44	0-20	towards MSZL	
	HCL	5YR46	20-42	<2% Mn; not gleyed below 40 cm	
	C	5YR56	42-90+	>2% Mn and mottling; possibly pale peds	
				SPL from 42 cm; WC III	
54	MSZL	5YR34	0-26		
	MSL	5YR54	26-40	>2% Mn	
	SCL	5YR54/64	40-60	>2% Mn	
	SCL	5YR54/64	60-90	>2% Mn, no apparent pale peds	
	MSL	2.5YR44	90-110+	>2% Mn, WC I	
55	MSL	5YR34	0-25		
	MSL	5YR44	25-55		
	MSL	2.5YR44	55-70		
	SC	2.5YR44	70-83		
			I		
56	MSZL	5YR43	0-26		
	MSZL	5YR44/54	26-50	>2% Mn, >2% mottles	
	SL	5YR64/54	50-60	5% sst	
	SCL	2.5YR44	60-70		
	SC	2.5YR46	70-80+	and varied marl weathering colours; SPL; WC II	
57	MSL	5YR43	0-30		
	MSL	2.5YR34	30-60		
	MSZL	2.5YR34	60-110+	no evidence of wetness	

SOIL PROFILE DESCRIPTION

Date of Survey

NO	TEXTURE	COLOUR	DEPTH (CM)	SOIL PROFILE NOTES	TOPOGRAPHY NOTES
58	MSZL	5YR43	0-30		
	MSL	5YR44	30-110+	WC I	
59	MSL	5YR44	0-30	>2% Mn; surface mottling	
	MSL	5YR44	30-50	>2% Mn Mottles and Mn	
	SCL	5YR46	50-70	ditto	
	SC	5YR46	70-110+	ditto	
				possible ppf below 70cm; SPL at 70 cm; WC II	
60	MSL	5YR44	0-28		
	MSL	5YR46	28-100+	WC I	
61	MSL	5YR44	0-50		
	MSL	5YR46	50-56		
	LMS	5YR56	56-110+	WC I	
62	MSZL	5YR34	0-30		
	CSZL	5YR34	30-40		
	SCL/SC	2.5R 36	40-110+	WC I	