

Youngwood Lane, Nailsea, Avon

SOIL PROFILE DESCRIPTION

8FCS

Date of Survey 7.3.89

NO	TEXTURE	COLOUR	DEPTH (CM)	SOIL PROFILE NOTES	TOPOGRAPHY NOTES
1	MSZL	10YR42	0-18	cdom	
	MCL	10YR52	18-40	cdom	
	SCL	10YR53	40-65	cdom	
	SC	10YR53	65-100+	cdom; water table at 80 cm; mixture of SC/SCL from 80 cm; no definite SPL in 80 cm; II	
2	MSZL	10YR42	0-25	cdom	
	MCL	10YR53	25-45	mdom	
	SC	10YR51	45-70	mdom	
	C	7.5YR44	70-100+	cfom; SPL; III	
3	MSZL	10YR51	0-20	vmdom	Waterlogged Surface
	MCL	10YR53	20-55	vmdom; high S content	
	SCL		55-100+	vmdom; mixture of pale matrix colours and weathering colours; water table at 70 cm; no SPL: II	
4	org ZL	10YR41	0-22	cdom	
	MCL	10YR53	22-30	vmdom	
	C	10YR63	30-100+	and 10YR53; into 7.5YR54 from 50cm; SPL <52cm; IV	
5	MSZL	10YR42	0-20	ffom	
	MCL	7.5YR44	20-30	few Mn; 2% sst throughout	
	SCL	7.5YR44	30-78	few Mn I (2nd boring Imp at 50 cm)	
6	SZL	10YR42	0-22		
	MCL	7.5YR44	22-39	I (other borings = 31, 25 cm)	
7	SZL	10YR43	0-22		
	MCL	7.5YR54/44	22-35		
	SCL	7.5YR54/44	35-75	I	

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8	fsZL	10YR43	0-22		
	MCL	7.5YR44	22-40	(high S content)	
	SCL	7.5YR54	40-100+	mottling from 45 cm; no SPL	
9	fsZL	10YR43	0-22		
	MCL	7.5YR44	22-62	5% sst	
			I	(other borings = 38, 32 cm)	
10	SZL	7.5YR32	0-20		Variable Microrelief
	MCL		20-47	no colour change	& Slope (6½-7½°)
			I	(others Impenetrable at 28,50 cm)	
11	fsZL	7.5YR32	0-25		
	SCL/MCL	7.5YR44	25-100+	few Mn from 60 cm; pale at depth but no mottling	
12	fsZL	7.5YR42	0-25		
	MCL/SCL	7.5YR54	25-100+	feint signs of wetness below 70cm	
13	fsZL	10YR42	0-22		
	MCL/SCL	7.5YR44	22-55		
			I	(2nd boring = 48 cm)	
14	MCL	7.5YR44	0-25	some Mn from 20 cm	
	MCL	7.5YR54	25-50		
	SCL	7.5YR54	50-75	feint mottling	
	C	7.5YR54	75-100+	some distinct mottling	
15	SZL	7.5YR44	0-35		
	MSL	7.5YR44	35-80		
	MLS	7.5YR54	80-100+		
16	MCL	7.5YR44	0-35	slight surface mottling	
			I	(other borings = 33, 29 cm)	
17	fsZL	10YR43	0-25		
	MCL	7.5YR44	25-50		
	SL/SCL	7.5YR44	50-60		
	SL/SCL	7.5YR54	60-88	some feint mottling; no SPL; II	

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18	SL/SZL	10YR42	0-20		
	SCL	7.5YR44	20-44		
			I	(2nd boring = 65 cm)	
19	fSZL	10YR42/43	0-22		
	SL	7.5YR44	22-40		
	SL	7.5YR54	40-66		
			I	(2nd boring = 45 cm)	
20	fSZL	10YR43	0-24		
			I	(other borings = 32, 20 cm)	
21	MSZL	10YR4/1	0-18	cdom	
	C	10YR5/1	18-50	mdom; spl; IV	
	C	10YR4/4	50-100+	cdgm	
22	MSZL	10YR4/2	0-25	cdom	
	C	10YR4/3	25-50	mdom spl; IV	
	C	10YR4/4	50-100+	cdom	
23	MSZL	10YR4/2	0-25	cdom	
	C	10YR5/2	25-50	mdom spl; IV	
	C	10YR5/1	50-100+	mdom	
24	MCL	10YR3/2	0-25		
	SCL	7.5YR3/2	25-50	sl sst	
	SL	10YR6/3	50-60	sl sst	
	Impenetrable	-	60+	2nd boring impenetrable at 55cm	
25	MSZL	5YR3/2	0-25		6° slope
	SCL	5YR3/3	25-70	sl. sst	
	SL	5YR4/4	70-100 +	sl. sst	
26	MSZL	5YR3/2	0-25		
	MCL	5YR4/4	25-50		
	LS	5YR5/4	50-100+	cdgm and rock fragments	

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NO	TEXTURE	COLOUR	DEPTH (CM)	SOIL PROFILE NOTES	TOPOGRAPHY NOT
27	MCL	5YR3/2	0-15		
	Rock	-	15+	2nd boring 10 cm	
28	MSZL	5YR3/2	0-25		7° slope
	SCL	5YR4/3	25-50	Few Mn concs.	
	SC	5YR4/4	50-90		
	Impenetrable	-	90+		
29	MCL	5YR4/3	0-22		
	SCL	5YR4/4	25-55		
	SL	5YR4/3	55-80	sl sst; cdgm	
	Impenetrable	-	80+	2nd boring impenetrable 65cm	
30	MSZL	7.5YR3/4	0-25	sl sst	
	MCL	5YR3/4	25-80		
	C	5YR4/4	80-100	cdom; possible SPL about 80cm; II	
31	MCL	10YR3/2	0-28	cdom	
	C	10YR4/3	28-60	cdom; spl; IV	
	SCL	7.5YR4/4	60-100	mdom	
32	H/MCL	10YR32	0-22	cdom	
	C	7.5YR32	22-50+	cdom; SPL from 30 cm; WC IV	
33	HCL	10YR32	0-22	cdom	
	C	7.5YR44	22-40	cdom; SPL from 30 cm; WC IV	
	C	10YR62	40-80	cdom	
	C	7.5YR44	80-100+	cdom	
34	MCL	7.5YR32	0-22		
	C	7.5YR44	22-40	cdom	
	C	7.5YR54	40-60	cdom; SPL 40-60cm; WC IV	
	C	5YR43	60-100+		
35	HCL	10YR53/52	0-20	cdo & gm	
	C		20-50+	cdo & gm; SPL from 30cm; WC IV	
36	See 35				

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37	HCL	10YR53/52	0-10	cdo & gm	
	C		10-50+	cdo & gm; SPL below 10 cm; very grey from 40cm; WC IV	
38	HCL	10YR53/52	0-20	cdo & gm	
	C	7.5YR56	20-50+	cdo & gm; SPL from 20cm; into grey clay; WC IV	
39	MSL/SCL	10YR33	0-25		
	SCL	7.5YR44	25-45		
	MSL	7.5YR44	45-100+	10% sst; mixture of LS and SCL lenses; (2nd = 88 cm)	
40	SCL	10YR43	0-20	vmdo & gm	Edge of Receiving
	SCL	10YR53/63	20-50	vmdo & gm	Site with water-
	SC	10YR53/63	50-65	vmdo & gm	logged centre, see
	SC	2.5Y64/74	65-80+	mottled and possible SPL; WC III	42
41	SCL	10YR33	0-25		
	MCL	7.5YR54	25-65	not pale; possible grey mottling from 40 cm (2nd = Imp at 45 cm)	
42	C	10YR43	0-20	cdo & gm	
	SC	10YR61	20-50+	cdo & gm; SPL from 20cm; WC IV	
43	MCL	10YR52	0-22		
	SCL	7.5YR44	22-30		
	HCL	5YR44	30-40		
	HCL/C	5YR54	40-50		
	C	5YR54	50-90+	Some pale ped faces and common Mn from approx 70 cm; no clear SPL; WC I	
44A	SL	7.5YR42	0-22		
	MCL	7.5YR42	22-50		
	SCL	7.5YR42	50-60	I (2 other borings Imp at 30 cm)	

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44B	See 44A and Impenetrable at 40 and 50 cm				
45	MCL	7.5YR32	0-30		
	SL	7.5YR44	30-40		
	SCL	7.5YR44	40-90		
	LS	7.5YR54	90-110+		
46	MCL	7.5YR42	0-25		Possible Spring Line
	SL	7.5YR54	25-50		
	SCL	7.5YR44	50-75	cdom	
	C	5YR44	75-100+	cdom; possible SPL from 50 cm onwards but probably beginning at 75cm; WC II	
47	MCL	10YR33	0-20	rusty roots; cdom	Possible Spring Line
	MCL	10YR53	20-35	pale, cdom	
	MCL	10YR54	35-75	cdom; water table at 60 cm	
	C	7.5YR46	75-100+	mdom; SPL; WC III	
48	MCL	7.5YR42	0-25		
			I	(2 others Imp at 25 cm)	
49	MCL	5YR43	0-40		
			I	(2nd = 30cm)	
50	MCL	5YR43	0-25		
	HCL	7.5YR44	25-50		
			I	(2nd = 30 cm)	
51	MCL	5YR43	0-35		
			I		
52	MCL	10YR33	0-20	fdom	Possible Spring Line
	HCL	10YR42	20-30	fdom and few Mn	
	SCL	10YR42	30-50	cdom	
			I	(2nd = 40 cm)	

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53	MSL	10YR43	0-22		
	MSL/SCL	7.5YR44	22-45		
	MSL	7.5YR54	45-95		
	HCL	7.5YR54	95-100+	WC I; adjacent profiles impenetrable at 35-40cm.	
54	MSZL	10YR43	0-22		
	MCL	7.5YR44	22-38		
			I	(2nd = 38 cm; all in MCL)	
55	FSZL	10YR51	0-25	cdom	Base of 7½° slope
	SCL	10YR64	25-100+	vmdom; Water Table from 40 cm no SPL (2nd = Water Table at 60 cm)	Standing Water; Sedges; Groundwater Problem
56	MSZL	7.5YR44	0-20		
	MSL	5YR54	20-70		
			I	(other borings between Nos 54 & 56 = 30,40,50,40cm)	
57	FSZL/ZL	10YR52	0-22	cdom	
	MCL	10YR53	22-35	cdom	
	C	10YR53	35-60+	cdom; SPL from 35 cm; WC IV	
58	MCL	10YR42	0-30		
	MCL	10YR43	30-50	fdom	
			I	(2nd = 30 cm)	
59	MCL	5YR43	0-22		7½° slope
	HCL	5YR44	22-55	few Mn	
			I	(2nd = 40 cm)	
60	MCL	5YR43	0-30		7½° slope
			I		