

AGRICULTURAL LAND CLASSIFICATION

Vinery Lane East, Elburton
 Plymouth, Devon 8FCS 2869

SOIL PROFILE DESCRIPTION

Date of Survey 2.10.89 - 4.10.89

NO	TEXTURE	COLOUR	DEPTH (CM)	SOIL PROFILE NOTES	TOPOGRAPHY NOTES
1	HCL/C	10YR53/4	0-20		
	C	10YR53	20-36	2% vsst, shillet	
			I	No evidence of wetness, WC I	
2	C	10YR44	0-20		Receiving site
	C	10YR53	20-58		(Valley Head)
			I	(No mottling or SPL)	
3	C	10YR43/53	0-15		
	C	10YR54	15-50		
			I		
4	HCL/C	10YR43	0-20		
	C	10YR44	20-30		
			I	(and 20 cm)	
5	HCL/C	10YR43	0-20		
	C	10YR44	20-30	approx 20% vsst	
			I		
6	HCL/C	10YR43	0-25	Weathered material from 20cm	
			I		
7	HCL	10YR43	0-25		
			I		
8	C	10YR43	0-29	few rusty rottts	
			I		
9	HCL/C	10YR44	0-20		
	C	10YR44	20-39		
			I		
10	C/HCL	10YR44	0-20		
	C	10YR44	20-30		
	C	10YR54	30-60	2% vsst	
			I		

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11	C/HCL	10YR53	0-20		
	C	10YR53	20-30		
	C	2.5Y64	30-53	less than 2% mottles and Mn	
			I		
12	C	10YR43	0-15		
	C	10YR53	15-33	less than 2% mottles	
13	C	10YR43	0-20	5% sst (recent ley, fresh stones at surface	
	C	10YR53	20-30	plus red and rust weathering colours	
	C		30-46		
			I	weathering colours and more than	
				2% mottles; no SPL; WC III	
14	HCL/C	7,5YR32	0-30	2% sst	
	C	7,5YR42	30-48	2% vsst	
			I		
15	C	10YR43	0-35	10YR43	
	C	2.5Y64	35-68	2.5Y64, more than 2% mottles,	
			I	coarse structure at depth;	
				WC III/IV	
16	C	10YR33	0-31	10% sst on surface	slight floodplain
			I	fresh shillet from 20 cm; no	
				evidence of wetness.	
17	C	10YR43	0-36		
			I	(2nd Imp at 22 cm)	
18	C	10YR44	0-43		
			I		
19	C	10YR44	0-30		
	C	10YR54	30-47		
			I		

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NO	TEXTURE	COLOUR	DEPTH (CM)	SOIL PROFILE NOTES	TOPOGRAPHY NOTES
20	C	10YR43	0-20		
	C	10YR54	20-65	more than 2% mottles and rusty	
			I	weathering colours; coarse	
				structure at base; WC III	
21	C	10YR43	0-20	cdom	stream floodplain
	C	10YR53	20-55	cdom	
	C	2.5Y62	55-70+	mpom; SPL; WC IV	
22	C	10YR53	0-30	rusty roots; cdom from 10 cm	
	C	2.5Y64	30-46	cdom; no SPL, WC III	
			I	(2nd Imp at 25 cm)	
23	C	10YR44/54	0-25		
			I	(x 2)	
24	C	10YR43	0-45	less than 2% mottling	
			I		
25	HCL/C	10YR43	0-25	less than 2% mottling	
			I	(2 x 20 cm)	
26	HCL/C	10YR43	0-22		
			I	(x 2)	
27	HCL/C	10YR43	0-20		
	C	10YR44	20-33	5% fresh shillet from 25 cm	
			I		
28	HCL/C	10YR43	0-20	silty	
	C	10YR44	20-33		
			I		
29	HCL/C	10YR43	0-20		
	C	10YR43/53	20-38		
			I		

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NO	TEXTURE	COLOUR	DEPTH (CM)	SOIL PROFILE NOTES	TOPOGRAPHY NOTES
30	C	10YR43	0-26		
			I	(2nd Imp at 25 cm)	
31	HCL/C	10YR43	0-20		
	C	10YR43	20-29		
			I	(x 2)	
32	C	10YR43	0-20		
	C	10YR43	20-30		
	C	10YR52	30-45	cdom	
	C	2.5Y72	45-57	cdom ; coarse structures at base	
			I	at best WC III	
33	HCL/C	10YR43	0-20		
	C	10YR44	20-31	2% vsst	
			I	(others Imp at 20, 21 cm)	
34	C	10YR44	0-25		
			I	(20 cm)	
35	C	10YR44/54	0-20		
	C	2.5Y64	20-31	cdom; few Mn; WC III	
			I	(29, 20 cm)	
36	HZCL/C	10YR53	0-30		
	C	2.5Y62	30-45	cdom; possible SPL at base;	
			I	at best WC III	
37	C	10YR43	0-20		stream edge
	C	10YR44	20-38	less than 2% mottles and Mn	
	C	10YR54/53	38-80+	cdom; definite gleying below 40 cm;	
				SPL at 65cm; WC III	
38	HCL	10YR44	0-20		
	C	10YR44	20-40		
	C	10YR54	40-51	1% vsst and some weathering colours	
			I	no mottling	

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NO	TEXTURE	COLOUR	DEPTH (CM)	SOIL PROFILE NOTES	TOPOGRAPHY NOTES
39	HCL	10YR44	0-16		Quarry edge
			I	(and 2 x 15 cm)	
40	HCL	10YR44	0-35		Quarry edge
			I	(2nd Imp at 24 cm)	
41	HCL	10YR44	0-25		
	C	7.5YR46	25-41		
			I		
42	HCL	7.5YR46	0-20	to 10YR44	
	C	7.5YR46	20-49		
			I		
43	C	10YR44	0-40		
	C	10YR44/54	40-45	less than 2% Mn	
			I	(2nd Imp at 28 cm)	
44	HCL/C	10YR44	0-34		
			I	(2nd Imp at 30 cm)	
45	HCL	7.5YR34	0-20		
	HCL/C	7.5YR34	20-37		
			I	(2nd Imp at 28 cm)	
46	HCL	10YR44	0-25		
			I	(2 x 15 cm)	
47	HCL/C	7.4YR34/44	0-35		
			I		
48	HCL/C	7.5YR34/44	0-35		
			I		
49	HCL/C	10YR44	0-20		
	C	10YR44	20-42		
			I		

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NO	TEXTURE	COLOUR	DEPTH (CM)	SOIL PROFILE NOTES	TOPOGRAPHY NOTES
50	C	10YR43	0-28 I	1% vsst, shillet	
51	C	10YR44	0-34 I	1% vsst, shillet	
52	HCL/C	10YR54/53	0-31 I	(2nd Imp at 26 cm)	
53	HCL/C	10YR43	0-25 I	2% vsst, shillet (2nd Imp at 21 cm)	
54	HZCL/HCL	10YR53	0-28 I	(2nd Imp at 23 cm)	
55	HCL	10YR43/33	0-23 I	(2nd Imp at 22 cm)	
56	MZCL	7.5YR44	0-34 I	grading into HZCL/C at 30 cm (2nd Imp at 37 cm)	
57	HCL	7.5YR34/44	0-20 I	(x 2)	
58	HCL	7.5YR44	0-41 I	into HCL/C from 25 cm	
59	HCL C	7.5YR34/44 7.5YR44	0-30 30-58 I	(2nd Imp at 45 cm)	
60	HCL C	7.5YR44 7.5YR44	0-45 45-68 I	into HCL/C from 20 cm no mottling or SPL	
61	HCL	7.5YR44	0-50 I	HCL/C from 25 cm	

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NO	TEXTURE	COLOUR	DEPTH (CM)	SOIL PROFILE NOTES	TOPOGRAPHY NOTES
62	HCL	7.5YR34	0-30		
	HCL/C	7.5YR44	30-51		
			I		
63	HCL	7.5YR34	0-40		
	C	7.5YR44	40-50		
			I		
64	HCL	7.5YR34	0-30		
	C	10YR43	30-54	2% weathered shillet	
			I		
65	HCL	7.5YR44	0-21	5% shillet	9° slope over
			I	(2nd Imp at 19 cm)	15m length
66	HCL/C	7.5YR34	0-30		
	C	7.5YR44	30-80+	no evidence of wetness or SPL	
67	HCL	7.5YR34	0-25		
	C	7.5YR44	25-53	2% vsst, shillet; some weathering	
			I	colours but no mottles	
68	HCL/C	10YR43	0-38	into C from 20 cm	
			I	(2nd Imp at 29 cm)	
69	HCL/C	10YR43	0-30		
	C	10YR44	30-50	2% shillet	
			I		
70	HCL	7.5YR34	0-25		
	HCL/C	7.5YR34	25-40		
			I	(x 2)	
71	HCL/C	7.5YR34	0-25		
	C	7.5YR34/44	25-41		
			I		
72	C	7.5YR34	0-50		
	C	10YR44	50-80+	no evidence of wetness of SPL	

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73.	HCL/C	10YR44	0-20	(2nd Imp at 27 cm)
	C	10YR44	20-40	
			I	
74	HCL/C	10YR44	0-20	2% shillet and ochreous weathering colours; No mottling
	C	10YR44	20-30	
	C	10YR44/54	30-80+	
75.	HCL	7.5YR34	0-29	(others Imp at 26, 25 cm)
			I	
76.	HCL	10YR44	0-25	2% shillet
	C	10YR44	25-50	
	C	7.5YR46	50-69	
			I	
77.	HCL	7.5YR34	0-25	grading into C below 30 cm
	HCL/C	7.5YR34	25-65	
			I	
78.	HCL/C	7.5YR34	0-30	no evidence of wetness or SPL
	C	7.5YR34	30-80+	
79.	HCL/C	10YR44	0-25	weathering colours and posible mottling + 2% Mn
	C	10YR44	25-35	
	C	10YR53	35-50	
			I	
80.	C	10YR44	0-35	no evidence of wetness or SPL
	C	10YR44/54	35-80+	
81.	HCL/C	10YR44	0-30	2% shillet and weathering colours
	C	10YR44	30-55	
			I	
82.	C	10YR44	0-30	2% shillet; no mottles or SPL
	C	10YR44/54	30-80+	
83.	HCL/C	7.5YR34	0-30	into 7,5YR32 from 50 cm possible mottling at base, no SPL; WC III
	C	7.5YR34	30-80+	
84.	HCL/C	10YR43	0-25	2-5% shillet, no wetness or SPL
	C	10YR43	25-80+	
85.	C	10YR54	0-50	very strong ochreous weathering colours and probable mottling; WC III
			I	
86.	HCL	10YR44	0-30	
	C	10YR54	30-38	
			I	
87.	C	10YR44	0-35	(2nd Imp at 19 cm)
			I	
88.	HCL	7.5YR32	0-25	5% surface stone, slate
	C	7.5YR32	25-30	
	C	7.5YR42	30-55	approx 2% mottles; 5% shillet at base
			I	no clear SPL; WC III
89.	HCL/C	7.5YR42	0-25	5% surface stone, slate
	C		25-30	weathered slate
			I	(x 2)