

**AGRICULTURAL LAND CLASSIFICATION**

West Dorset Local Plan  
 Eastern Area : Maiden Newton

8FCS 3315

**SOIL PROFILE DESCRIPTION**

ALCBA1789c

Date of Survey 25.10.89 - 27.10.89

NO	TEXTURE	COLOUR	DEPTH (CM)	SOIL PROFILE NOTES	TOPOGRAPHY NOTES
1	MZCL	10YR42	0-15		
	HZCL	10YR53	15-35	2% calc. vsst; 10YR54 from 30cm	
	Weathered	chalk	35-45		
			I	No evidence of Wetness	
2	HZCL	10YR53	0-15	2% calc. vsst throughout profile	
	HZCL	10YR54	15-40		
	ZC	10YR64	40-45		
	Weathered	chalk	45-60	No evidence of Wetness	
			I		
3	HZCL	10YR33	0-25	2% calc. vsst	
	ZC	10YR53	25-43	+ 2% calc. vsst	
			I	(too stony to penetrate; 2nd Imp at 38 cm)	
4	HZCL	10YR42	0-25		
	C	10YR53	25-55	2% calc. vsst	
			I	(too stony to penetrate; into flinty gravel)	
5	HZCL	10YR43	0-25		6½° Slope
	C	10YR43	25-40	and 10YR44 colour streaks	
	C	10YR56	40-57	and 10YR54 colour streaks; 2%	
			I	calc. vsst; possible wetness problem	
6	HCL	10YR43	0-25	2% calc. vsst	5½° Slope
	C	10YR54	25-40	5% flint vsst	
			I	(too stony to penetrate; into flinty gravel)	
7	MZCL	10YR42	0-26	2% calc. vsst	5° downslope
	Weathered	Chalk	26-40		7° upslope
			I		
8	MZCL	10YR53	0-20	2% calc. vsst throughout profile	6½° Slope
	HZCL	10YR54	20-30		
	C	10YR54	30-50	and 2% flint vsst; 10YR44 from 40cm	
	Weathered	Chalk	50+		

AGRICULTURAL LAND CLASSIFICATION

SOIL PROFILE DESCRIPTION

Date of Survey

NO	TEXTURE	COLOUR	DEPTH (CM)	SOIL PROFILE NOTES	TOPOGRAPHY NOTES
9	HZCL	10YR53	0-20	2% calc vsst throughout profile	Below 3B Slope
	C	10YR53	20-30		
	C	10YR54	30-60	and 5% flint vsst	
	C	10YR54	60-80+	ochreous mottling streaks; possible SPL	
10	MSZL	10YR43	0-22	2% ochreous colours	Floodplain
	MCL	10YR43	22-51	no evidence of wetness	
			I	(25, 20 cm)	
11	MSZL	10YR43	0-35	few rusty roots	Floodplain
	MSL	10YR53	35-61	cdom as streaks; WC II	
			I		
ASP NOS. 10 and 11 are approx 5' above the River level and separated from the water by a first minor floodplain. Flooding will first occur on opposite banks (affecting Nos 16 & 17)					
12	MSZL	10YR42	0-20	cdom	Floodplain;
	MSZL	10YR43	20-35	cdgm	Flood Risk
	MSZL	10YR53	35-50	cdogm	
	MSL	10YR53	50-60	cdogm	
	MSL	2.5YR62	60-80+	cdogm; No SPL; WC II	
13	C	10YR41	0-35	mdom	Depression, 2 feet
	MSL	5Y52	35-45	cdogm	below surroundings;
	CLS	5Y62	45-60	5% vsst	Flood Risk
			I	(too stony to penetrate); WC III/IV	
14	MZCL	10YR43	0-20		6½° Slope above
	HZCL	10YR53	20-48		Floodplain
			I	(too stony to penetrate)	
15	MCL	10YR42	0-30		Floodplain
	HCL	10YR53	30-60	possible mottling from 50 cm	
			I	(52 cm)	

SOIL PROFILE DESCRIPTION

Date of Survey

NO	TEXTURE	COLOUR	DEPTH (CM)	SOIL PROFILE NOTES	TOPOGRAPHY NOTES
16	FSZL	10YR42	0-20	cdom	Depression in
	MZCL		20-30	cdogm; 50% weathered chalk	Floodplain;
	SCL	5Y62	30-60	mdogm	Floodrisk
	MSL	5Y52	60-80+	mdom; no SPL; WC III/IV	
17	MZCL	10YR41	0-25	mdom	Floodplain; irreg
	HCL	10YR51	25-45	mpom	topography with minor
	MSL	5Y62	45-65	mpom	wet hollows;
			I	No SPL; WC III/IV	Flood Risk
18	MSZL	10YR42	0-20	cdom	Flood Risk;Floodplain
	MSZL	10YR53	20-40	cdogm	
	MSL	10YR53	40-65	cdgm	
	ZC	10YR53	65-80+	cdogm; low porosity; possible SPL; WC III	
ASP Nos 18, 19 and 20 have a microrelief problem which currently restricts precision equipment but which could be rectified by ploughing and slight levelling. Presence of minor drainage channels for removal of floodwater; could be easily infilled.					
19	MSZL	10YR42	0-30	cdom	Flood Risk;Floodplain
	MSZL	10YR53	30-60	cdom	
	LMS	2.5Y62	60-80+	cdom; no SPL; WC II	
20	MZCL	10YR41	0-20	mpom	Floodplain;Flood Risk
	HZCL	10YR53	20-40	mpogm	
	MSL	5Y62	40-60	mpogm	
	LMS	2.5Y62	60-80+	mpogm; no SPL, WC II	
21	MZCL	10YR42	0-25	cdogm	Floodplain;Flood Risk
	HZCL	10YR42	25-40	cdogm	
	HCL	10YR52	40-80+	cdogm; WC III	
22	MZCL	10YR22	0-30	mdom	Floodplain;Floor Risk
	MCL	2.5Y52	30-45	mdom	
	MZCL	10YR53	45-62	cdogm	
			I	(2nd Imp at 51 cm); WC III	

AGRICULTURAL LAND CLASSIFICATION

SOIL PROFILE DESCRIPTION

Date of Survey

NO	TEXTURE	COLOUR	DEPTH (CM)	SOIL PROFILE NOTES	TOPOGRAPHY NOTES
23	MSZL	10YR42	0-20		Rising ground
	HZCL	10YR42	20-30		above Floodplain
	HCL	2.5Y42	30-42	2.5% flint sst	
			I	No evidence of wetness (too stony to penetrate; 2nd Imp at 39 cm)	
24	MZCL	10YR52	0-20		5° Slope
	MZCL	10YR53	20-40	20% soft chalk	
			I	(Impenetrable Chalk)	
25	MZCL	10YR52	0-20		
	MZCL	10YR53	20-48	15% soft chalk	
			I	(Impenetrable chalk)	
26	ZL	10YR42	0-25	5% calc vsst	7° Slope
	MZCL	10YR43	25-39	25% flint sst and 5% calc vsst	
			I		
27	MZCL	10YR32	0-15	cdom	Floodplain
	ZC	10YR42	15-40	cdom	Flood Risk
	ZC	10YR52	40-60	cdom; possible SPL	Channels to divert
	C	10YR53	60-70	mdogm	excess water
	SCL	10YR53	70-80+	mdogm	
				WC IV	
28	MZCL	10YR41	0-25	cdom	ditto
	ZC	10YR55	25-50	cdom; + 2% Mn	
	MCL	10YR55	50-80+	cdom; + 2% Mn; no SPL	
				WC II	
29	MSZL	10YR33	0-30	cdogm	Floodplain, but
	MCL	10YR53	30-68	cdogm; grading into HCL from 40cm	distant from river
			I	no SPL; WC 3	
30	MSZL	10YR42	0-32	cdom	ditto
	MCL	10YR42	32-45	cdom	
	HCL	10YR53	45-62	cdogm	
			I	No SPL; porous, WC 3	

AGRICULTURAL LAND CLASSIFICATION

SOIL PROFILE DESCRIPTION

Date of Survey

NO	TEXTURE	COLOUR	DEPTH (CM)	SOIL PROFILE NOTES	TOPOGRAPHY NOTES
31	MSZL	10YR33	0-20	cdom	Area of variable
	SC	10YR42	20-45	Not mottled; porous; 2% flint vsst	microrelief (3B)
	C	2.5Y44	45-58	possible ochreous mottling; matrix	lowlying and wet
			I	colour not pale	floodplain.
32	MSZL	10YR41	0-30	mpom; 10YR51 from 20 cm	Area of variable
	MSL	10YR62	30-50	cdom; 2% flint vsst	microrelief (3B)
	SCL	10YR61	50-75	cdogm; 2% flint vsst	Slightly raised above
			I	(flinty gravel below)	river. The far bank
					would flood first.
33	MSZL	10YR53	0-20	cdom	Flat area raised
	MCL	10YR43	20-30	not mottled	above floodplain
	MCL	10YR44	30-42	5% flint sst	
			I	(too flinty to penetrate)	
34	MSZL	10YR42	0-22	cdom	ditto
	MSZL	10YR53	22-30	cdom	
	MCL	10YR53	30-40	cdom	
			I	(flinty impenetrable gravel, 2nd	
				Imp at 40 cm)	
36	MZCL	10YR42	0-20		4° Slope
	HZCL	10YR52	20-30		
	C	10YR52	30-38	5% soft chalk frags	
			I	(over Chalk)	
35	HZCL	10YR42	0-20	mdom	Very wet floodplain
	ZC	10YR53	20-60+	vmdogm; non-porous; SPL	Evidence of old ridges.
				WC IV	Rush infested with
					old drainsblocked
37	MZCL	10YR42	0-20	cdom	Area of variable
	HZCL	10YR42	20-32	no mottling	microrelief (3B)
			I		