

West Dorset Local Plan
 Eastern Area : Osmington

SOIL PROFILE DESCRIPTION

Date of Survey 31.10.89

NO	TEXTURE	COLOUR	DEPTH (CM)	SOIL PROFILE NOTES	TOPOGRAPHY NOTES
1	HZCL	10YR43	0-18		Just below coastal
	C	10YR56	18-30	2% calc vsst	crest - Exposed
	C	2.5Y56	30-50	2% calc vsst; cdgm	
	C	10YR56	50-80+	and 10Y66; calc material in very fine streaks (up to 20% at depth) raw clay; SPL; WC IV	
2	HZCL	10YR54	0-18		ditto
	C	10YR56	18-50	2% calc vsst	
	C	10YR56	50-65	10% calc in v. fine lenses	
	C	10YR56	65-80+	25% calc in v. fine lenses; cdom poss SPL; WC III	
3	HZCL	10YR42	0-20	cdom	Slight exposure
	C	10YR54	20-30	cdom; common Mn	
	C	2.5Y66	30-50	vmdom; poss SPL	
	C	2.5Y62	50-70+	vmdogm; SPL; WC IV	
4	C	2.5Y54	0-30	common Mn; cdom from 20 cm	Exposure Risk
	C	10YR56	30-70+	vmdogm; SPL; WC IV	
5	C	2.5Y54	0-20	cdom; common Mn	Slight Exposure
	C	10YR56	20-35	cdom from 30 cm	
	C	2.5Y66	35-51	cdom; SPL; WC IV	
			I	(2nd Imp at 42 cm)	
6	C	2.5Y54	0-30		Exposure Risk
	C	2.5Y56	30-52	cdom; SPL; WC IV	
			I		
7	C	2.5Y54	0-22		Coastal Crest
	C	10YR56	22-40	10% calc in v. fine layers	Significant Exposure
	C	2.5Y62	40-72	cdom; 5% calc vsst; no SPL	
			I	WC II	
8	C	2.5Y54	0-20		ditto
	C	2.5Y56	20-35	cdom	
	Clay + Chalk Mix		35-55	mdom; no SPL; good structure	
			I	WC II	

AGRICULTURAL LAND CLASSIFICATION

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9	C	2.5Y54	0-22		ditto
	C	2.5Y56	22-30		
	C	2.5Y56	30-46	cdogm; poss SPL but not thick enough	
			I	(2nd Imp at 48cm; very calc from 30 cm and no SPL); WC II	
10	C	10YR54	0-30	cdogm	Exposure Risk
	C	10YR56	30-60	cdom; SPL	Beneath Coastal
	ZC	2.5Y64	60-80+	cdogm; SPL; WC IV	crest
11	MZCL	10YR32	0-20	cdom; HCL from 15 cm	Exposed
	C	10YR54	20-30	cdgm; common Mn	
	C	2.5Y64	30-52	cdom; common Mn; SPL	
	C	2.5Y64	52-80+	cdom; SPL; few sandier lenses	
				WC IV	
12	HZCL	10YR43	0-30	cdogm	Exposed
	C	2.5Y64	30-80+	cdogm; poss SPL; WV IV	9° Slope
13	MZCL	10YR43	0-30		Base of 3B slope
	HZCL	10YR54	30-50	cdom; common Mn	Slightly Exposed
	C	10YR53	50-80+	cdogm; common Mn; SPL; WC III	
14	HZCL	10YR43	0-25	cdom	Slight Exposure
	HZCL	10YR43	25-40	cdom; common Mn	
	C	10YR43	40-50	cdom; common Mn	
	C	10YR54	50-60	cdom; common Mn	
	C	10YR53	60-80+	cdom; SPL; WC III	
15	HZCL	10YR42	0-30	cdom in top 15 cm	Slight Exposure
	HZCL	10YR53	30-60		
	C	10YR53	60-70		
			I	Not mottled; no SPL; WC I	

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NO	TEXTURE	COLOUR	DEPTH (CM)	SOIL PROFILE NOTES	TOPOGRAPHY NOTES
16	HCL	10YR52	0-20	vmdom; common Mn	Slight Exposure
	C	10YR53	20-30	vmdom; common Mn	
	C	10YR53	30-80+	vmdom; SPL; WC IV	
17	MZCL	10YR43	0-25		8° Slope
			I	(x 2)	Exposed
18	HZCL	10YR44	0-20	cdom	10° Valley side
	C	10YR56	20-50	cdom; SPL	Exposed
	C	2.5Y62	50-62	vmdom; SPL; WC IV	
			I		
19	MZCL	10YR32	0-25		Exposed Crest
	C	2.5Y64	25-40	cdom	
	C	10YR63	40-65	vmdogm; sandier lenses	
			I	perhaps no SPL; WC II	
20	MZCL	10YR43	0-20	cdom	Slight Exposure
	HZCL	10YR54	20-42		5½° Slope
			I	(too stony to penetrate; others	
				Imp at 25, 32 cm)	
21	MSZL	10YR42	0-25	cdom	Slight Exposure
	HZCL	10YR42	25-35	cdogm	
	HCL	10YR51	35-45	cdom	
	C	10YR51	45-61	vmdom; 5% flint vsst; perhaps	
			I	no SPL; WC II	
22	C	2.5Y52	0-30	mdom	
	C	10YR53	30-60+	vmdogm; SPL; WC IV	
23	HCL	10YR41	0-25	vmdom	
	C	10YR51	25-45	vmdom	
	C	2.5Y64	45-80+	vmpogm; SPL; WC IV	
24	HZCL	10YR42	0-30	vmpom	
	C	10YR42	30-55	vmpom; SPL below 50 cm	
	C	2.5Y64	55-80+	vmpom; SPL; WC III	

