Project Name: CAP
Project Code: CAP **Site ID:** P210 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (WA)

Site Information

Desc. By:	W.M. MacArthur	**Locality:**	Wellington Land District Location 115:
Date Desc.:	16/03/54	**Elevation:**	No Data
Map Ref.:		**Rainfall:**	0
Northing/Long.:	115.469166666667	**Runoff:**	Very slow
Easting/Lat.:	-33.5747222222222	**Drainage:**	No Data

Geology

ExposureType:	Soil pit	**Conf. Sub. is Parent. Mat.:**	No Data
Geol. Ref.:	No Data	**Substrate Material:**	Unconsolidated material (unidentified)

Land Form

Rel/Slope Class:	No Data	**Pattern Type:**	No Data
Morph. Type:	No Data	**Relief:**	No Data
Elem. Type:	Plain	**Slope Category:**	No Data
Slope:	0 %	**Aspect:**	0 degrees

Surface Soil Condition (dry):

Erosion:

Soil Classification

Australian Soil Classification:
No Available Class Basic Stratic Rudosol
ASC Confidence:
All necessary analytical data are available.

Mapping Unit: N/A
Principal Profile Form: N/A
Great Soil Group: N/A

Site Disturbance: No effective disturbance. Natural

Vegetation:

Tall Strata - , , . *Species includes - None Recorded

Surface Coarse Fragments:

Profile Morphology

A	0 - 0.14 m	Very dark grey (10YR3/1-Moist); ; Clay loam (Heavy); Massive grade of structure; Wet; Moderately plastic; Normal plasticity; Field pH 8 (pH meter); Diffuse, Smooth change to -
	0.15 - 0.3 m	Light grey (10YR7/1-Moist); ; Sand; Single grain grade of structure; Loose consistence; Field pH 8 (pH meter); Diffuse change to -
	0.3 - 0.63 m	Grey (10YR6/1-Moist); , 2.5YR44; Sand; Single grain grade of structure; Loose consistence; Field pH 8 (pH meter); Clear, Smooth change to -
	0.63 - 0.79 m	Dark brown (10YR3/3-Moist); ; Field pH 8 (pH meter); Sharp, Smooth change to -
	0.79 - 1.07 m	Dark grey (10YR4/1-Moist); ; Medium clay; Massive grade of structure; Field pH 8 (pH meter); Clear, Smooth change to -

Morphological Notes

Observation Notes

30-63CM CALCAREOUS SAND WITH SMALL LENSES OF CLAY:63-79CM SEAWEED + SHELLS:>107CM LARGE OYSTER + MARINE SHELLS:

Site Notes

S.W.L.D.

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Laboratory Test Results:

Depth	pH	1:5 EC	Exchangeable Cations				Exchangeable	CEC	ECEC	ESP
			Ca	Mg	K	Na	Acidity			
m		dS/m	Cmol (+)/kg							%
0 - 0.14	8.1A	21.3A	7.3K	10.2	7.6	26	0.4E		51.5B	
0.15 - 0.3	8.7A	2.68A								
0.3 - 0.63	8.6A	5.65A								
0.63 - 0.79	7.7A	28.9A								
0.79 - 1.07	7.9A	14.8A	19.6K	3.3	1.37	6.85	1.4E		32.6B	

Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	Particle Size Analysis GV	CS	FS	Silt	Clay
m	%	%	mg/kg	%	%	%	Mg/m3			%		
0 - 0.14	3.2A	9D			0.151B				6D	46	16	32
0.15 - 0.3	0.13A											
0.3 - 0.63												
0.63 - 0.79					0.246B							
0.79 - 1.07	13.2A	0.146D			0.143B				16D	42	18	16

Depth	COLE	Gravimetric/Volumetric Water Contents							K sat	K unsat
		Sat.	0.05 Bar	0.1 Bar	0.5 Bar	1 Bar	5 Bar	15 Bar		
m		g/g - m3/m3							mm/h	mm/h
0 - 0.14										
0.15 - 0.3										
0.3 - 0.63										
0.63 - 0.79										
0.79 - 1.07										

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Laboratory Analyses Completed for this profile

15_NR_CA	Exch. basic cations (Ca++) - meq per 100g of soil - Not recorded
15_NR_K	Exch. basic cations (K++) - meq per 100g of soil - Not recorded
15_NR_MG	Exch. basic cations (Mg++) - meq per 100g of soil - Not recorded
15_NR_NA	Exch. basic cations (Na++) - meq per 100g of soil - Not recorded
15G1_H	Hydrogen Cation - meq per 100g of soil - 1M KCl Exch. Acidity By titration to pH 8.0
15J_H	Sum of Ex. cations + Ex. acidity - Sum of basic exch. cations and exch. (Hydrogen)
19A1	Carbonates - rapid titration
2_LOI	Loss on Ignition (%)
2A1	Air-dry moisture content
3A1	EC of 1:5 soil/water extract
4A1	pH of 1:5 soil/water suspension
5A2	Chloride - 1:5 soil/water extract, automated colour
6A1_UC	Organic carbon (%) - Uncorrected Walkley and Black method
7_NR	Total nitrogen (%) - Not recorded
P10_PB_C	Clay (%) - Plummet balance
P10_PB_CS	Coarse sand (%) - Plummet balance
P10_PB_FS	Fine sand (%) - Plummet balance
P10_PB_Z	Silt (%) - Plummet balance