

Project Name: SOU
Project Code: SOU **Site ID:** P716 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (WA)

Site Information

Desc. By:	W.M. MacArthur	Locality:	Wheatley Coast Road 2.2KM south of intersection with Moons Crossing Road:
Date Desc.:	01/11/82	Elevation:	No Data
Map Ref.:	Sheet No. : 2128 1:100000	Rainfall:	0
Northing/Long.:	116.15	Runoff:	No Data
Easting/Lat.:	-34.5333333333333	Drainage:	No Data

Geology

Exposure Type:	Soil pit	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	No Data	Substrate Material:	No Data

Land Form

Rel/Slope Class:	No Data	Pattern Type:	Hills
Morph. Type:	Lower-slope	Relief:	No Data
Elem. Type:	Footslope	Slope Category:	Steep
Slope:	0 %	Aspect:	No Data

Surface Soil Condition (dry):

Erosion:

Soil Classification

Australian Soil Classification:	Mapping Unit:	N/A
Haplic Mesotrophic Red Kandosol	Principal Profile Form:	Gn4.12
ASC Confidence:	Great Soil Group:	Red earth
Analytical data are incomplete but reasonable confidence.		

Site Disturbance:

Vegetation:

Mid Strata - Tree, , . *Species includes - None recorded
Tall Strata - Tree, , . *Species includes - None Recorded

Surface Coarse Fragments:

Profile Morphology

0 - 0.05 m	Dark reddish brown (5YR3/4-Moist); ; Sandy loam; Weak grade of structure, <2 mm, Granular; Loose consistence; 2-10%, Substrate material, coarse fragments; , fine (1-2mm) roots;
0.05 - 0.15 m	Yellowish red (5YR4/6-Moist); ; Loam; Weak grade of structure, <2 mm, Granular; Loose consistence; 2-10%, Substrate material, coarse fragments; , fine (1-2mm) roots;
0.15 - 0.3 m	Yellowish red (5YR4/6-Moist); ; Clay loam; Weak grade of structure, <2 mm, Granular; Loose consistence; 2-10%, Substrate material, coarse fragments; , fine (1-2mm) roots;
0.3 - 0.5 m	Red (2.5YR4/7-Moist); ; Clay loam; , Subangular blocky; Very firm consistence; 2-10%, Substrate material, coarse fragments; Few
0.5 - 0.7 m	Red (2.5YR4/8-Moist); ; Light clay; Weak grade of structure, Subangular blocky; Very firm consistence; 2-10%, Substrate material, coarse fragments;
0.7 - 0.9 m	Red (2.5YR4/8-Moist); ; Medium clay; Very firm consistence; Moderately plastic; Normal plasticity; 0-2%, Quartz, coarse fragments;
0.9 - 1.1 m	Red (2.5YR4/8-Moist); , 10YR56, 2-10% , Faint; , 2-10% , Faint; Medium clay; Very firm consistence; Moderately plastic; Normal plasticity; 0-2%, Quartz, coarse fragments;

Morphological Notes

Observation Notes

0-70CM GRAVELS FERRUGINISED:ON LOWER SLOPE OF VALLEY:

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[illegible]

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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
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
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