Project Name: KOJ
Project Code: KOJ **Site ID:** P432 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (WA)

Site Information

Desc. By:	M.J. Mulcahy	**Locality:**	
Date Desc.:	15/08/60	**Elevation:**	No Data
Map Ref.:		**Rainfall:**	0
Northing/Long.:		**Runoff:**	Slow
Easting/Lat.:		**Drainage:**	Poorly drained

Geology

ExposureType:	No Data	**Conf. Sub. is Parent. Mat.:**	No Data
Geol. Ref.:	No Data	**Substrate Material:**	Gneiss

Land Form

Rel/Slope Class:	No Data	**Pattern Type:**	Pediplain
Morph. Type:	No Data	**Relief:**	No Data
Elem. Type:	Pediment	**Slope Category:**	Very gently sloped
Slope:	0 %	**Aspect:**	No Data

Surface Soil Condition (dry):

Erosion:

Soil Classification

Australian Soil Classification:
Magnesic Mottled-Subnatric Grey Sodosol
ASC Confidence:
All necessary analytical data are available.

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

Site Disturbance:

Vegetation:

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

Surface Coarse Fragments:

Profile Morphology

	0 - 0.08 m	Dark grey (10YR4/1-Moist); ; Loam; ; FragmentLoose consistence; Sharp change to -
A2	0.15 - 0.23 m	Grey (10YR6/1-Moist); ; Sand; , Columnar;
	0.23 - 0.41 m	Grey (10YR6/1-Moist); , 2.5YR44, 2-10% ; , 2-10% ; Sand; , Columnar; 2-10%, Substrate material, coarse fragments;
cb	0.41 - 0.46 m	Grey (10YR6/1-Moist); , 2.5YR44; Loamy sand; Massive grade of structure; 2-10%, Substrate material, coarse fragments; Sharp change to -
cb	0.51 - 0.58 m	Grey (10YR6/1-Moist); , 2.5YR44; Medium clay; Weak grade of structure, Platy; Very firm consistence;
	0.58 - 0.84 m	Reddish brown (2.5YR4/4-Moist); , 10YR56; , 10YR61; Clay loam; Massive grade of structure; Very firm consistence;

Morphological Notes

Observation Notes

23-46CM AL GV IS FERRUGINOUS: 58-84CM AL GV IS W'D ROCK:

Site Notes

KOJONUP

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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 - 0.08	5.9A	0.024A	1.1K	0.4	0.12	0.09				
0.15 - 0.23	5.9A	0.018A	0.1K	0.2	0.06	0.06				
0.23 - 0.41	6.2A	0.021A								
0.41 - 0.46	6.4A	0.018A	0.1K	0.3	0.08	0.04				
0.51 - 0.58	6.2A	0.042A	0.3K	3.3	0.21	0.27				
0.58 - 0.84	6.2A	0.042A								

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 - 0.08		1.12D		0.002D	0.047B				69D	21	3	1
0.15 - 0.23				0.001D	0.017B				67D	23	3	5
0.23 - 0.41				0.001D					63D	26	2	6
0.41 - 0.46				0.001D	0.005B				65D	23	4	7
0.51 - 0.58				0.002D	0.024B				25D	11	4	57
0.58 - 0.84				0.002D					23D	15	9	50

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 - 0.08										
0.15 - 0.23										
0.23 - 0.41										
0.41 - 0.46										
0.51 - 0.58										
0.58 - 0.84										

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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
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
9A_HCL	Total element - P(%) - By boiling HCl
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