

Project Name: BUD
Project Code: BUD **Site ID:** P639 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (WA)

Site Information

Desc. By:	E. Bettenay	Locality:	North of Camp Bloodwood Road - 0.6KM north of breakaway:
Date Desc.:	08/08/69	Elevation:	579 metres
Map Ref.:	Sheet No. : 2849 1:100000	Rainfall:	230
Northing/Long.:	119.65	Runoff:	Very rapid
Easting/Lat.:	-24.0833333333333	Drainage:	Poorly drained

Geology

ExposureType:	Soil pit	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	No Data	Substrate Material:	Shale

Land Form

Rel/Slope Class:	Gently undulating plains <9m 1-3%	Pattern Type:	Pediplain
Morph. Type:	No Data	Relief:	No Data
Elem. Type:	Pediment	Slope Category:	No Data
Slope:	0 %	Aspect:	No Data

Surface Soil Condition (dry): Surface crust

Erosion:

Soil Classification

Australian Soil Classification:	Mapping Unit:	N/A
Haplic Hypocalcic Red Chromosol	Principal Profile Form:	Dr2.33
ASC Confidence:	Great Soil Group:	Red podzolic soil
No analytical data and little or no knowledge of this soil.		

Site Disturbance: Complete clearing. Pasture, native or improved, but never cultivated

Vegetation: Low Strata - Chenopod shrub, , Very sparse. *Species includes - None recorded
Tall Strata - Tree, , . *Species includes - None Recorded

Surface Coarse Fragments: 90-100%, cobbly, 60-200mm, , Shale

Profile Morphology

Asb	0 - 0.025 m	Reddish brown (2.5YR4/4-Moist); Reddish brown (2.5YR4/4-Dry); , 2.5YR64; Clay loam; Weak grade of structure, 2-5 mm, Platy; Dry; Weak consistence; 20-50%, Shale, coarse fragments; Field pH 7 (pH meter); Sharp change to -
B	0.025 - 0.05 m	Weak red (10R4/4-Moist); Weak red (10R4/4-Dry); ; Medium clay; Moderate grade of structure, 10-20 mm, Subangular blocky; Dry; Weak consistence; 2-10%, Gravel, coarse fragments; Field pH 7 (pH meter); Gradual change to -
	0.05 - 0.1 m	Weak red (10R4/3-Moist); Weak red (10R4/3-Dry); ; Medium clay; Moderate grade of structure, 10-20 mm, Subangular blocky; Weak consistence; Field pH 7.5 (pH meter); Gradual change to -
	0.1 - 0.2 m	Weak red (10R4/3-Moist); Weak red (10R4/3-Dry); ; Light clay; Weak grade of structure, 10-20 mm, Subangular blocky; Firm consistence; 20-50%, fine gravelly, 2-6mm, Shale, coarse fragments; Very few (0 - 2 %), Calcareous, , Concretions; Field pH 8.5 (pH meter); Gradual change to -
BC	0.2 - 0.3 m	; Light clay; 50-90%, Shale, coarse fragments; Many (20 - 50 %), Calcareous, , Soft segregations; Field pH 9 (pH meter); Gradual change to -
BC	0.3 - 0.4 m	; Light clay; 50-90%, Shale, coarse fragments; Many (20 - 50 %), Calcareous, , Soft segregations;

Morphological Notes

Observation Notes

20-40CM SHALE WITH A CLAY MATRIX: 0-2.5CM FERRUGINOUS GRAVEL ALSO:

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Laboratory Test Results:

Depth	pH	1:5 EC	Exchangeable Cations			Exchangeable	CEC	ECEC	ESP
m		dS/m	Ca	Mg	K	Na	Acidity		
						Cmol (+)/kg			%

Depth	CaCO3	Organic	Avail.	Total	Total	Total	Bulk	Particle		Size	Analysis	
m	%	C	P	P	N	K	Density	GV	CS	FS	Silt	Clay
		%	mg/kg	%	%	%	Mg/m3			%		

Depth	COLE	Gravimetric/Volumetric Water Contents						K sat	K unsat
		Sat.	0.05 Bar	0.1 Bar	0.5 Bar	1 Bar	5 Bar		
m					g/g -	m3/m3		mm/h	mm/h

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Laboratory Analyses Completed for this profile