

Project Name: Southern Cross Hyden land resources survey
Project Code: SCS **Site ID:** 1121 **Observation ID:** 1
Agency Name: Agriculture Western Australia

Site Information

Desc. By: Mir Frahmmand
Date Desc.: 19/08/94
Map Ref.:
Northing/Long.: 6395099 AMG zone: 50
Easting/Lat.: 673965 Datum: AGD84
Locality:
Elevation: 360 metres
Rainfall: No Data
Runoff: No Data
Drainage: No Data

Geology

ExposureType: Auger boring
Geol. Ref.: No Data
Conf. Sub. is Parent. Mat.: No Data
Substrate Material: No Data

Landform

Rel/Slope Class: No Data
Morph. Type: Mid-slope
Elem. Type: Hillslope
Slope: 3 %
Pattern Type: No Data
Relief: No Data
Slope Category: No Data
Aspect: 90 degrees

Surface Soil Condition Soft

Erosion

Soil Classification

Australian Soil Classification:
 Acidic Regolithic Yellow-Orthic Tenosol Thick Loamy Deep
ASC Confidence:
 No analytical data and little or no knowledge of this soil.
Mapping Unit: N/A
Principal Profile Form: N/A
Great Soil Group: N/A

Site Disturbance

Vegetation

Surface Coarse Fragments

Profile Morphology

0 - 0.15 m ; Clayey sand; Field pH 5.1 (pH meter); Gradual change to -
 0.15 - 0.85 m ; Fine sandy loam; Field pH 4.7 (pH meter); Diffuse change to -
 0.85 - 0.9 m ; Fine sandy loam; 2-10%, fine gravelly, 2-6mm, rounded, Ironstone, coarse fragments;
 Many (20 - 50 %),
 , , Soft segregations; Field pH 4.9 (pH meter);

Morphological Notes

Observation Notes

Site Notes

Soil type: WCS/gSL SIS

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Laboratory Test Results:

Depth	pH	1:5 EC	Ca	Exchangeable Mg	Cations K	Na	Exchangeable Acidity	CEC	ECEC	ESP
m		dS/m				Cmol (+)/kg				%
0 - 0.15	4.4B 5.1H	1B	0.16H	0.08	0.04	<0.02	0.12J		0.29D	
0.15 - 0.85	4B 4.4H	2B	0.15H	0.11	0.03	0.02	0.06J		0.31D	
0.85 - 0.95	4.2B 4.6H	2B	0.26H	0.56	0.02	0.04	0.36J		0.88D	

Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	Particle Size Analysis	Analysis
m	%	Clay %	mg/kg	%	%	%	Mg/m3	GV CS FS	Silt
0 - 0.15		0.16D		16B	0.009E				1.1

5.5				
0.15 - 0.85	0.12D	14B	0.012E	3.5
20.8				
0.85 - 0.95	0.07D	23B	0.009E	3.4
11.6				

Laboratory Analyses Completed for this profile

15_NR_BSa	Exchangeable bases (Ca++) - meq per 100g of soil - Auto calculated from available
15_NR_CMd	Exchangeable bases (Ca/Mg ratio) - Not recorded
15E1_AL	Exchangeable Al - by compulsive exchange, no pretreatment for soluble salts
15E1_CA	Exchangeable bases (Ca2+,Mg2+,Na+,K+) by compulsive exchange, no pretreatment for soluble salts
15E1_K	Exchangeable bases, CEC and AEC by compulsive exchange, no pretreatment for soluble salts
15E1_MG	Exchangeable bases, CEC and AEC by compulsive exchange, no pretreatment for soluble salts
15E1_MN	Exchangeable bases (Mn2+) by compulsive exchange, no pretreatment for soluble salts
15E1_NA	Exchangeable bases, CEC and AEC by compulsive exchange, no pretreatment for soluble salts
15J_BASdS	Sum of Bases
15N1_b	Exchangeable sodium percentage (ESP) - Auto calculated from available using Sum of Cations
3_NR	Electrical conductivity or soluble salts - Not recorded
4_NR	pH of soil - Not recorded
4B_AL_NR	Aluminium in 1:5 soil/0.01M calcium chloride extract - method not recorded
4B1	pH of 1:5 soil/0.01M calcium chloride extract - direct
6A1_UC	Organic carbon (%) - Uncorrected Walkley and Black method
7A1	Total nitrogen - semimicro Kjeldahl, steam distillation
9A3	Total Phosphorus (ppm) - semimicro kjeldahl, automated colour
9H1	Anion storage capacity
P10_1m2m	1000 to 2000u particle size analysis, (method not recorded)
P10_20_75	20 to 75u particle size analysis, (method not recorded)
P10_75_106	75 to 106u particle size analysis, (method not recorded)
P10_NR_C	Clay (%) - Not recorded
P10_NR_Saa	Sand (%) - Not recorded arithmetic difference, auto generated
P10_NR_Z	Silt (%) - Not recorded
P10106_150	106 to 150u particle size analysis, (method not recorded)
P10150_180	150 to 180u particle size analysis, (method not recorded)
P10180_300	180 to 300u particle size analysis, (method not recorded)
P10300_600	300 to 600u particle size analysis, (method not recorded)
P106001000	600 to 1000u particle size analysis, (method not recorded)