

Project Name: Southern Cross Hyden land resources survey
Project Code: SCS **Site ID:** 0312 **Observation ID:** 1
Agency Name: Agriculture Western Australia

Site Information

Desc. By: Mir Frahmmand
Date Desc.: 28/10/92
Map Ref.:
Northing/Long.: 6508264 AMG zone: 50
Easting/Lat.: 654067 Datum: AGD84
Locality:
Elevation: 340 metres
Rainfall: No Data
Runoff: No Data
Drainage: Well drained

Geology

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

Landform

Rel/Slope Class: No Data
Morph. Type: Upper-slope
Elem. Type: Hillslope
Slope: 2 %
Pattern Type: Peneplain
Relief: No Data
Slope Category: No Data
Aspect: 315 degrees

Surface Soil Condition Firm

Erosion (wind);

Soil Classification

Australian Soil Classification: N/A
ASC Confidence: Confidence level not specified
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 Yellowish brown (10YR5/4-Moist); ; Clayey fine sand; Weak grade of structure, ; Sandy (grains prominent) fabric; Field pH 5.6 (pH meter);
 0.15 - 0.95 m Yellowish brown (10YR5/6-Moist); ; Sandy loam; Weak grade of structure, ; Earthy fabric; Field pH 5.7 (pH meter);
 0.95 - 1.45 m Yellowish brown (10YR5/6-Moist); , 2-10% , Faint; Coarse sandy clay loam; Massive grade of structure; Earthy fabric; Field pH 4.1 (pH meter);

Morphological Notes

ORANGE MOTTLES

Observation Notes

Site Notes

Day rd--Catchment group soil pit--Acidic yellow deep sand-- Yellowish brown deep sandy loam

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Laboratory Test Results:

Depth m	pH	1:5 EC dS/m	Ca	Exchangeable Mg	Cations K	Na Cmol (+)/kg	Exchangeable Acidity	CEC	ECEC	ESP %
0 - 0.15	4.6B 5.6H	2B	1.12H	0.32	0.12	0.03	0.17J		1.59D	
0.15 - 0.95	4B 4.5H	7B	0.42H	0.4	0.02	0.13	0.5J		0.97D	
0.95 - 1.45	3.7B 3.6H	79B	0.26H	1.39	0.03	0.4	0.61J		2.08D	

Depth	CaCO ₃	Organic C Clay	Avail. P	Total P	Total N	Total K	Bulk Density	Particle Size Analysis
m	%	%	mg/kg	%	%	%	Mg/m ³	GV CS FS Silt
0 - 0.15 10.2		0.72D		47B	0.04E			
0.15 - 0.95 20.2		0.12D		19B	0.015E			
0.95 - 1.45 18.4		0.06D		18B	0.009E			

Laboratory Analyses Completed for this profile

15_NR_BSa	Exchangeable bases (Ca++) - meq per 100g of soil - Auto calculated from available
15_NR_CMRR	Exchangeable bases (Ca/Mg ratio) - Not recorded
15E1_AL	Exchangeable Al - by compulsive exchange, no pretreatment for soluble salts
15E1_CA	Exchangeable bases (Ca ²⁺ ,Mg ²⁺ ,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 (Mn ²⁺) by compulsive exchange, no pretreatment for soluble salts
15E1_NA	Exchangeable bases, CEC and AEC by compulsive exchange, no pretreatment for soluble salts
15J_BASES	Sum of Bases
15N1_b	Exchangeable sodium percentage (ESP) - Auto calculated from available using Sum of Cations
18A1_NR	Bicarbonate-extractable potassium (not recorded)
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
9B_NR	Bicarbonate-extractable phosphorus (not recorded)
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)