

Project Name: Katanning land resources survey
Project Code: KLC **Site ID:** 0096 **Observation ID:** 1
Agency Name: Agriculture Western Australia

Site Information

Desc. By: Heather Percy
Date Desc.: 11/11/91
Map Ref.:
Northing/Long.: 6266270 AMG zone: 50
Easting/Lat.: 565450 Datum: AGD84
Locality:
Elevation: 340 metres
Rainfall: No Data
Runoff: No Data
Drainage: Imperfectly drained

Geology

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

Land Form

Rel/Slope Class: Undulating rises 9-30m 3-10%
Morph. Type: Crest
Elem. Type: Hillcrest
Slope: 1 %
Pattern Type: Rises
Relief: 30 metres
Slope Category: No Data
Aspect: 180 degrees

Surface Soil Condition Firm

Erosion: (wind); (sheet) (rill) (gully)

Soil Classification

Australian Soil Classification: N/A
ASC Confidence: Confidence level not specified
Mapping Unit: N/A
Principal Profile Form: Uc5
Great Soil Group: N/A

Site Complete clearing. Pasture, native or improved, cultivated at some stage

Vegetation:

Surface Coarse 50-90%, medium gravelly, 6-20mm, subangular, ; No surface coarse fragments

Profile

A1 0 - 0.14 m Brown (7.5YR4/3-Moist); , 0-0% ; Loamy fine sand; Single grain grade of structure; Moderately moist; 20-50%, , coarse fragments; Many (20 - 50 %), Ferruginous, Medium (2 -6 mm), Nodules; Field pH 5.5 (Raupach); Abundant, fine (1-2mm) roots; Clear change to -
 A3c 0.14 - 0.3 m Yellowish red (5YR4/6-Moist); , 0-0% ; Clayey sand; Single grain grade of structure; Moderately moist; 50-90%, , coarse fragments; Very many (50 - 100 %), Ferruginous, Coarse (6 - 20 mm), Nodules; Field pH 6 (Raupach); Common, fine (1-2mm) roots; Clear change to -
 B2c 0.3 - 0.4 m Yellowish red (5YR5/6-Moist); , 0-0% ; Coarse sandy clay loam; Massive grade of structure; Moderately moist; 50-90%, , coarse fragments; Very many (50 - 100 %), Ferruginous, Medium (2 -6 mm), Nodules; Field pH 6 (Raupach); Few, fine (1-2mm) roots; Sharp change to -
 Ccm 0.4 - m ;

Morphological Notes

A1 F,M S GC
 A3c F,M R S GC
 B2c F R S GC
 Ccm CEMENTED LATERITE

Observation Notes

Site Notes

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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 | | | | % |

| | | | | | | | | |
|-----------|------------|----|------|------|------|------|-------|-------|
| 0.3 - 0.4 | 5.1B 6H | 4B | 1.2H | 0.84 | 0.18 | 0.04 | 0.03J | 2.26D |
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| 0.3 - 0.4 | 5.1B 6H | 4B | 1.2H | 0.84 | 0.18 | 0.04 | 0.03J | 2.26D |

| Depth | CaCO3 | Organic C Clay | Avail. P | Total P | Total N | Total K | Bulk Density | Particle GV | Size CS | Analysis FS | Silt |
|-------------------|-------|----------------------|-------------|------------|------------|------------|-----------------|----------------|------------|----------------|------|
| m | % | % | mg/kg | % | % | % | Mg/m3 | | | % | |
| 0.3 - 0.4 15.5 | | | | | | | | | 80.5l | | 4 |
| 0.3 - 0.4 15.5 | | | | | | | | | 80.5l | | 4 |
| 0.3 - 0.4 15.5 | | | | | | | | | 80.5l | | 4 |

Laboratory Analyses Completed for this profile

| | |
|-----------|---|
| 13C1_AL | Citrate/dithionite-extractable iron, aluminium, Manganese and Silicon |
| 13C1_FE | Citrate/dithionite-extractable iron, aluminium, Manganese and Silicon |
| 15_NR_BSa | Exchangeable bases (Ca++) - meq per 100g of soil - Auto calculated from available |
| 15_NR_CM | 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_BASES | 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 |
| 4B1 | pH of 1:5 soil/0.01M calcium chloride extract - direct |
| P10_gt2m | > 2mm particle size analysis, (method not recorded) |
| P10_NR_C | Clay (%) - Not recorded |
| P10_NR_S | Sand (%) - Not recorded |
| P10_NR_Z | Silt (%) - Not recorded |