

Project Name: Katanning land resources survey
Project Code: KLC **Site ID:** 0045 **Observation ID:** 1
Agency Name: Agriculture Western Australia

Site Information

| | |
|---|--------------------------------------|
| Desc. By: Heather Percy | Locality: |
| Date Desc.: 15/10/91 | Elevation: 305 metres |
| Map Ref.: | Rainfall: No Data |
| Northing/Long.: 6257300 AMG zone: 50 | Runoff: No Data |
| Easting/Lat.: 584680 Datum: AGD84 | Drainage: Imperfectly drained |

Geology

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

Land Form

Rel/Slope Class: Gently undulating rises 9-30m 1-3% **Pattern Type:** Rises

| | |
|---------------------------------|--------------------------------|
| Morph. Type: Lower-slope | Relief: 10 metres |
| Elem. Type: Hillslope | Slope Category: No Data |
| Slope: 1 % | Aspect: 270 degrees |

Surface Soil Condition Soft

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

Soil Classification

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|---|---------------------------------------|
| Australian Soil Classification: N/A | Mapping Unit: N/A |
| ASC Confidence: Confidence level not specified | Principal Profile Form: Db4.21 |
| | Great Soil Group: N/A |

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

Vegetation:

Surface Coarse 2-10%, medium gravelly, 6-20mm, angular, Quartz; No surface coarse fragments

Profile

| | |
|--|---|
| O1 0 - 0.06 m Dry; Water | Very dark brown (10YR2/2-Moist); , 0-0% ; Sandy peat; Single grain grade of structure; repellent; Field pH 6 (Raupach); Abundant, very fine (0-1mm) roots; Clear change to - |
| A1 0.06 - 0.2 m fabric; Dry; | Dark brown (7.5YR3/2-Moist); , 0-0% ; Sandy loam; Weak grade of structure; Rough-ped Water repellent; Field pH 6 (Raupach); Many, fine (1-2mm) roots; Clear change to - |
| A2 0.2 - 0.3 m structure; Sandy change to - | Dark greyish brown (10YR4/2-Moist); , 0-0% ; Sandy clay loam; Massive grade of (grains prominent) fabric; Dry; Field pH 6 (Raupach); Few, fine (1-2mm) roots; Abrupt |
| B21 0.3 - 0.5 m medium clay; Strong roots; Clear | Brown (10YR4/3-Moist); Mottles, 2.5YR58, 10-20% , 5-15mm, Distinct; Fine sandy grade of structure; Rough-ped fabric; Dry; Field pH 5.5 (Raupach); Few, fine (1-2mm) change to - |
| B22t 0.5 - 0.6 m Strong grade (Raupach); | Brown (10YR5/3-Moist); Mottles, 2.5YR58, 2-10% , 0-5mm, Distinct; Medium heavy clay; of structure; Smooth-ped fabric; Dry; 20-50%, Quartz, coarse fragments; Field pH 5 |
| BC 0.6 - 0.65 m clay; Strong (Raupach); | Pale brown (10YR6/3-Moist); Mottles, 2.5YR58, 2-10% , 0-5mm, Distinct; Sandy medium grade of structure; Smooth-ped fabric; Dry; 50-90%, Quartz, coarse fragments; Field pH 5 |

Morphological Notes

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|-----|-----------------|
| B21 | SAMPLED |
| BC | GRAVEL F M A QT |

Observation Notes

Site Notes

Hardsetting surface when cultivated -a1. Roadside reserve

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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 - 0.5 | 4.7B 5.1H | 61B | 1.58H | 2.92 | 0.1 | 1.98 | 0.7J | | 6.58D | |
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| Depth | CaCO3 | Organic C Clay | Avail. P | Total P | Total N | Total K | Bulk Density | Particle Size Analysis |
|-----------------|-------|----------------|----------|---------|---------|---------|--------------|------------------------|
| m | % | % | mg/kg | % | % | % | Mg/m3 | GV CS FS Silt |
| 0.3 - 0.5 30 | | | | | | | | 63I 7 |
| 0.3 - 0.5 30 | | | | | | | | 63I 7 |

Laboratory Analyses Completed for this profile

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|------------|---|
| 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 (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 |