

Project Name: Katanning land resources survey
Project Code: KLC **Site ID:** 0214 **Observation ID:** 1
Agency Name: Agriculture Western Australia

Site Information

| | |
|---|--|
| Desc. By: Heather Percy | Locality: |
| Date Desc.: 20/05/92 | Elevation: 241 metres |
| Map Ref.: | Rainfall: No Data |
| Northing/Long.: 6298860 AMG zone: 50 | Runoff: No Data |
| Easting/Lat.: 498660 Datum: AGD84 | Drainage: Moderately well 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: Undulating low hills 30-90m 3-10% **Pattern Type:** Low hills

| | |
|--------------------------------|--------------------------------|
| Morph. Type: Flat | Relief: 30 metres |
| Elem. Type: Valley flat | Slope Category: No Data |
| Slope: 0 % | Aspect: No Data |

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: Dy5.42 |
| | Great Soil Group: N/A |

Site Extensive clearing, for example poisoning, ringbarking

Vegetation:

Surface Coarse No surface coarse fragments; No surface coarse fragments

Profile

| | | |
|------|--------------|--|
| A11 | 0 - 0.1 m | Very dark greyish brown (10YR3/2-Moist); , 0-0% ; Loamy sand; Single grain grade of structure; Moderately moist; Loose consistence; Field pH 5.5 (Raupach); Common, fine (1-2mm) roots; Clear, Wavy change to - |
| A12 | 0.1 - 0.2 m | Light brownish grey (10YR6/2-Moist); , 0-0% ; Loamy sand; Single grain grade of structure; Moderately moist; Loose consistence; Field pH 5.5 (Raupach); Few, fine (1-2mm) roots; Abrupt change to - |
| A21e | 0.2 - 0.5 m | Pale yellow (2.5Y7/3-Moist); , 0-0% ; Coarse sand; Single grain grade of structure; Moist; Loose consistence; Field pH 6 (Raupach); Few, very fine (0-1mm) roots; Clear change to - |
| A22e | 0.5 - 0.65 m | Yellow (2.5Y7/6-Moist); , 0-0% ; Coarse sand; Single grain grade of structure; Moist; Loose consistence; Field pH 6 (Raupach); Abrupt change to - |
| B21 | 0.65 - 0.8 m | Light brownish grey (2.5Y6/2-Moist); Mottles, 10YR58, 20-50% , 5-15mm, Distinct; Coarse sandy light clay; Moderate grade of structure; Rough-ped fabric; Moderately moist; Firm consistence; Soil matrix is Slightly calcareous; Field pH 6.5 (Raupach); Clear change to - |
| B22 | 0.8 - 1 m | Light grey (2.5Y7/2-Moist); Mottles, 10YR58, 20-50% , 5-15mm, Distinct; Coarse sandy light clay; Moderate grade of structure; Rough-ped fabric; Moderately moist; Firm consistence; Soil matrix is Slightly calcareous; Field pH 7 (Raupach); |

Morphological Notes

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|-----|-----------------------------------|
| A11 | coarse sand grains in medium sand |
| B21 | Sampled for ESP |

Observation Notes

Site Notes

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Observation 1

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 - 0.11 | 4.92B | | | | | | | | | |
| 0.21 - 0.26 | 5.75B | | | | | | | | | |
| 0.41 - 0.51 | 5.78B | | | | | | | | | |
| 0.65 - 0.8 | 6.3B | 6B | 1.12A | 2.34 | 0.16 | 1.01 | | | 4.63D | |
| | 7.8H | | | | | | | | | |
| 0.65 - 0.8 | 6.3B | 6B | 1.12A | 2.34 | 0.16 | 1.01 | | | 4.63D | |
| | 7.8H | | | | | | | | | |

| 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 - 0.11 | | | | | | | | |
| 0.21 - 0.26 | | | | | | | | |
| 0.41 - 0.51 | | | | | | | | |
| 0.65 - 0.8 | | | | | | | | 70I 7 |
| 23 | | | | | | | | |
| 0.65 - 0.8 | | | | | | | | 70I 7 |
| 23 | | | | | | | | |

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_CMd | Exchangeable bases (Ca/Mg ratio) - Not recorded |
| 15A1_CA | Exchangeable bases (Ca2+,Mg2+,Na+,K+) - 1M ammonium chloride at pH 7.0, no pretreatment |
| for soluble | salts |
| 15A1_CEC | Exchangeable bases (CEC) - 1M ammonium chloride at pH 7.0, no pretreatment for soluble salts |
| 15A1_K | Exchangeable bases (Ca2+,Mg2+,Na+,K+) - 1M ammonium chloride at pH 7.0, no pretreatment |
| for soluble | salts |
| 15A1_MG | Exchangeable bases (Ca2+,Mg2+,Na+,K+) - 1M ammonium chloride at pH 7.0, no pretreatment |
| for soluble | salts |
| 15A1_NA | Exchangeable bases (Ca2+,Mg2+,Na+,K+) - 1M ammonium chloride at pH 7.0, no pretreatment |
| for soluble | salts |
| 15J_BASes | Sum of Bases |
| 15L1_a | Exchangeable bases Base saturation percentage (BSP) - Auto calculated from available using |
| Sum of Cations | and measured clay |
| 15N1_a | Exchangeable sodium percentage (ESP) - Auto calculated from available using CEC |
| 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 |