

Project Name: Katanning land resources survey
Project Code: KLC **Site ID:** 0235 **Observation ID:** 1
Agency Name: Agriculture Western Australia

Site Information

| | |
|---|--|
| Desc. By: Heather Percy | Locality: |
| Date Desc.: 02/06/92 | Elevation: 250 metres |
| Map Ref.: | Rainfall: No Data |
| Northing/Long.: 6278370 AMG zone: 50 | Runoff: No Data |
| Easting/Lat.: 507890 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: Level plain <9m <1% | Pattern Type: Low hills |
| Morph. Type: Flat | Relief: 3 metres |
| Elem. Type: Valley flat | Slope Category: No Data |
| Slope: 0 % | Aspect: No Data |

Surface Soil Condition Hardsetting, Hardsetting

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

Soil Classification

| | |
|---|---------------------------------------|
| Australian Soil Classification: N/A | Mapping Unit: N/A |
| ASC Confidence: Confidence level not specified | Principal Profile Form: Gn4.81 |
| | Great Soil Group: N/A |

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

Vegetation:

Surface Coarse No surface coarse fragments; No surface coarse fragments

Profile

| | | |
|------|---------------|---|
| A1 | 0 - 0.1 m | Dark greyish brown (10YR4/2-Moist); , 0-0% ; Loamy sand; Single grain grade of structure; Moderately |
| | | moist; Loose consistence; Field pH 5.5 (Raupach); Many, very fine (0-1mm) roots; Abrupt, Smooth |
| | | change to - |
| A2 | 0.1 - 0.15 m | Brownish yellow (10YR6/6-Moist); , 0-0% ; Clayey sand; Single grain grade of structure; Moist; Loose |
| | | consistence; Field pH 5.5 (Raupach); Many, fine (1-2mm) roots; Clear, Smooth change to - |
| B1 | 0.15 - 0.35 m | Yellow (10YR8/8-Moist); , 0-0% ; Sandy loam; Single grain grade of structure; Moist; Very weak |
| | | consistence; Field pH 6 (Raupach); Many, fine (1-2mm) roots; Gradual change to - |
| B21t | 0.35 - 0.45 m | Yellow (2.5Y7/6-Moist); Mottles, 10YR68, 10-20% , 5-15mm, Distinct; Sandy clay loam; Moderate grade |
| | | of structure; Smooth-ped fabric; Moist; Weak consistence; 2-10%, medium gravelly, 6-20mm, |
| | | subrounded, , coarse fragments; Few (2 - 10 %), Ferruginous, Coarse (6 - 20 mm), Nodules; Field pH 6 |
| | | (Raupach); Common, fine (1-2mm) roots; Gradual change to - |
| B22t | 0.45 - 0.65 m | Pale yellow (2.5Y7/4-Moist); Mottles, 10YR68, 20-50% , 5-15mm, Distinct; Clay loam; Moderate grade of |
| | | structure; Rough-ped fabric; Moist; Weak consistence; 10-20%, medium gravelly, 6-20mm, subrounded, |
| | | , coarse fragments; Common (10 - 20 %), Ferruginous, Coarse (6 - 20 mm), Nodules; Field pH 6 |
| | | (Raupach); Few, very fine (0-1mm) roots; Abrupt change to - |
| B23t | 0.65 - 0.75 m | Light grey (2.5Y7/2-Moist); Mottles, 10YR58, 20-50% , 5-15mm, Distinct; Sandy clay loam; Weak grade |
| | | of structure; Rough-ped fabric; Dry; Very firm consistence; 20-50%, coarse gravelly, 20-60mm, |
| | | subrounded, , coarse fragments; Many (20 - 50 %), Ferruginous, Very coarse (20 - 60 mm), Nodules; |
| | | Field pH 6 (Raupach); Few, fine (1-2mm) roots; |

Morphological Notes

B1 % clay
 B21t Grades from MSCL to CL over depth (L4 + L5). % clay

Observation Notes

Site Notes

Coben Soak Road

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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 - 0.11 | 4.42B | | | | | | | | | |
| 0.15 - 0.25 | 5.2B | 3B | | | | | | | | |
| | 5.8H | | | | | | | | | |
| 0.15 - 0.25 | 5.2B | 3B | | | | | | | | |
| | 5.8H | | | | | | | | | |
| 0.16 - 0.21 | 5.09B | | | | | | | | | |
| 0.25 - 0.45 | 6B | 6B | | | | | | | | |
| | 6.3H | | | | | | | | | |
| | 6B | | | | | | | | | |
| 0.25 - 0.45 | 6.3H | 6B | | | | | | | | |
| | 6B | | | | | | | | | |
| 0.25 - 0.45 | 6.3H | 6B | | | | | | | | |
| | 6B | | | | | | | | | |
| 0.25 - 0.45 | 6.3H | 6B | | | | | | | | |
| | 6B | | | | | | | | | |
| 0.25 - 0.45 | 6.3H | 6B | | | | | | | | |
| | 6B | | | | | | | | | |
| 0.36 - 0.46 | 6.02B | | | | | | | | | |

| Depth | CaCO3 | Organic C | Avail. P | Total P | Total N | Total K | Bulk Density | Particle GV | Size CS | Analysis FS | Silt |
|-------------|-------|-----------|----------|---------|---------|---------|--------------|-------------|---------|-------------|------|
| m | % | Clay % | mg/kg | % | % | % | Mg/m3 | | | % | |
| 0 - 0.11 | | | | | | | | | | | |
| 0.15 - 0.25 | | | | | | | | | | | |
| 0.15 - 0.25 | | | | | | | | | | | |
| 0.16 - 0.21 | | | | | | | | | | | |
| 0.25 - 0.45 | | | | | | | | | | | |
| 0.25 - 0.45 | | | | | | | | | | | |
| 0.25 - 0.45 | | | | | | | | | | | |
| 0.25 - 0.45 | | | | | | | | | | | |
| 0.36 - 0.46 | | | | | | | | | | | |

Laboratory Analyses Completed for this profile

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)