

**Project Name:** Katanning land resources survey  
**Project Code:** KLC **Site ID:** 0521 **Observation ID:** 1  
**Agency Name:** Agriculture Western Australia

**Site Information**

|   |                                  |
|---|----------------------------------|
| <b>Desc. By:</b> Heather Percy              | <b>Locality:</b>                 |
| <b>Date Desc.:</b> 21/10/92                 | <b>Elevation:</b> 285 metres     |
| <b>Map Ref.:</b>                            | <b>Rainfall:</b> No Data         |
| <b>Northing/Long.:</b> 6302680 AMG zone: 50 | <b>Runoff:</b> No Data           |
| <b>Easting/Lat.:</b> 532570 Datum: AGD84    | <b>Drainage:</b> Rapidly drained |

**Geology**

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

**Land Form**

**Rel/Slope Class:** Undulating low hills 30-90m 3-10% **Pattern Type:** Low hills

|                               |                                |
|-------------------------------|--------------------------------|
| <b>Morph. Type:</b> Mid-slope | <b>Relief:</b> 40 metres       |
| <b>Elem. Type:</b> Hillslope  | <b>Slope Category:</b> No Data |
| <b>Slope:</b> 3 %             | <b>Aspect:</b> 225 degrees     |

**Surface Soil Condition** Hardsetting, Hardsetting

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

**Soil Classification**

|   |                                       |
|---|---------------------------------------|
| <b>Australian Soil Classification:</b> N/A            | <b>Mapping Unit:</b> N/A              |
| <b>ASC Confidence:</b> Confidence level not specified | <b>Principal Profile Form:</b> Uc4.21 |
|   | <b>Great Soil Group:</b> 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**

|  |   |
|--|---|
| A11 0 - 0.1 m<br>structure; Dry;<br>Water                        | Very dark grey (10YR3/1-Moist); , 0-0% ; Loamy coarse sand; Single grain grade of<br>Loose consistence; 2-10%, fine gravelly, 2-6mm, subangular, Granite, coarse fragments;<br>repellent; Field pH 6 (Raupach); Common, fine (1-2mm) roots; Clear change to -   |
| A12 0.1 - 0.25 m<br>structure; Dry; Loose<br>pH 6                | Dark brown (10YR3/3-Moist); , 0-0% ; Loamy coarse sand; Single grain grade of<br>consistence; 10-20%, fine gravelly, 2-6mm, subangular, Granite, coarse fragments; Field<br>(Raupach); Few, fine (1-2mm) roots; Clear change to -   |
| A2 0.25 - 0.7 m<br>structure;<br>Granite, coarse<br>Field pH 6.5 | Yellowish brown (10YR5/4-Moist); , 0-0% ; Clayey coarse sand; Single grain grade of<br>Moderately moist; Very weak consistence; 20-50%, fine gravelly, 2-6mm, subangular,<br>fragments; 10-20%, medium gravelly, 6-20mm, subangular, Granite, coarse fragments;<br>(Raupach); Few, fine (1-2mm) roots; Abrupt change to - |
| B2w 0.7 - 0.75 m<br>Moderately<br>fragments; 10-20%,             | Strong brown (7.5YR5/7-Moist); , 0-0% ; Coarse sandy loam; Massive grade of structure;<br>moist; Weak consistence; 20-50%, fine gravelly, 2-6mm, subangular, Granite, coarse<br>medium gravelly, 6-20mm, subangular, Granite, coarse fragments; Field pH 7 (Raupach);   |

**Morphological Notes**

**Observation Notes**

**Site Notes**

Lime Lake West Road. Granite visible upslope

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**Laboratory Test Results:**

| Depth       | pH    | 1:5 EC | Ca | Exchangeable<br>Mg | Cations<br>K | Na | Exchangeable<br>Acidity | CEC | ECEC | ESP |
|-------------|-------|--------|----|--------------------|--------------|----|-------------------------|-----|------|-----|
| m           |       | dS/m   |    |                    |              |    | Cmol (+)/kg             |     |      | %   |
| 0 - 0.11    | 5.39B |        |    |                    |              |    |                         |     |      |     |
| 0.16 - 0.26 | 5B    |        |    |                    |              |    |                         |     |      |     |
| 0.41 - 0.51 | 5.44B |        |    |                    |              |    |                         |     |      |     |
| 0.7 - 0.75  | 5.8B  | 4B     |    |                    |              |    |                         |     |      |     |
|             | 6.7H  |        |    |                    |              |    |                         |     |      |     |
| 0.7 - 0.75  | 5.8B  | 4B     |    |                    |              |    |                         |     |      |     |
|             | 6.7H  |        |    |                    |              |    |                         |     |      |     |

| Depth       | CaCO3 | Organic<br>C<br>Clay | Avail.<br>P | Total<br>P | Total<br>N | Total<br>K | Bulk<br>Density | Particle<br>GV | Size<br>CS | Analysis<br>FS | Silt |
|-------------|-------|----------------------|-------------|------------|------------|------------|-----------------|----------------|------------|----------------|------|
| m           | %     | %                    | mg/kg       | %          | %          | %          | Mg/m3           |                |            | %              |      |
| 0 - 0.11    |       |                      |             |            |            |            |                 |                |            |                |      |
| 0.16 - 0.26 |       |                      |             |            |            |            |                 |                |            |                |      |
| 0.41 - 0.51 |       |                      |             |            |            |            |                 |                |            |                |      |
| 0.7 - 0.75  |       |                      |             |            |            |            |                 |                | 80l        |                | 7    |
| 13          |       |                      |             |            |            |            |                 |                |            |                |      |
| 0.7 - 0.75  |       |                      |             |            |            |            |                 |                | 80l        |                | 7    |
| 13          |       |                      |             |            |            |            |                 |                |            |                |      |

**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)     |
| P10_NR_C | Clay (%) - Not recorded                                 |
| P10_NR_S | Sand (%) - Not recorded                                 |
| P10_NR_Z | Silt (%) - Not recorded                                 |