Project Name: Katanning land resources survey

Project Code: Observation ID: 1 KLC Site ID: 1235

Agency Name: Agriculture Western Australia

Site Information

Desc. By: Heather Percy Locality:

Date Desc.: 31/08/93 Elevation: 333 metres Map Ref.: Rainfall: No Data

Northing/Long.: 6334190 AMG zone: 50 Runoff: No Data 553190 Datum: AGD84 Drainage: No Data Easting/Lat.:

Geology

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

Land Form

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

Morph. Type: Mid-slope Relief: 20 metres Hillslope Slope Category: No Data Elem. Type: Aspect: Slope: 2 % 270 degrees

Surface Soil Condition Firm Erosion: (wind); (sheet) (rill) (gully)

Soil Classification

Australian Soil Classification: Mapping Unit: N/A **Principal Profile Form:** Dg4.12 N/A **ASC Confidence: Great Soil Group:** N/A

Confidence level not specified

Site Cultivation. Rainfed

Vegetation:

Moderately moist;

Surface Coarse 10-20%, medium gravelly, 6-20mm, angular, Quartz; 2-10%, , angular, Quartz

Profile

0 - 0.1 m Very dark grey (10YR3/1-Moist); , 0-0%; Loamy sand; Single grain grade of structure; Α1

Field pH 6 (Raupach); Abrupt change to -

Dark grey (10YR4/1-Moist); , 0-0%; Clayey sand; Single grain grade of structure; $0.1 - 0.2 \, \text{m}$ A12 Moderately moist;

Field pH 6 (Raupach); Clear change to -

0.2 - 0.5 m АЗ Light brownish grey (10YR6/2-Moist); , 0-0%; Coarse sandy loam; Massive grade of

structure;

Moderately moist; Field pH 6 (Raupach); Clear change to -

B2t 0.5 - 0.6 m Light grey (10YR7/2-Moist); , 2.5YR46, 10-20% , 5-15mm, Distinct; Medium clay; Moderate grade of

structure; Rough-ped fabric; Moderately moist; Field pH 6.5 (Raupach); Clear change to -Light grey (10YR7/2-Moist); Mottles, 2.5YR58, 20-50%, 15-30mm, Distinct; Light medium

clay;

(Raupach); Clear

0.6 - 0.8 m

В3

Moderate grade of structure; Rough-ped fabric; Moderately moist; Field pH 6.5

change to -

0.8 - 0.95 m Very pale brown (10YR7/4-Moist); Mottles, 2.5YR46, 10-20%, 5-15mm, Faint; Mottles, 10YR58, 10-20%

, 5-15mm, Faint; Coarse sandy clay loam; Massive grade of structure; Moderately moist; Field pH 7

(Raupach); Gradual change to -

Brownish yellow (10YR6/8-Moist); Mottles, 10YR74, 10-20%, 5-15mm, Distinct; Mottles, 0.95 - 1.05 m

5YR46, 10-

20%, 5-15mm, Distinct; Coarse sandy clay loam; Massive grade of structure; Moderately

moist; Field pH 7.5 (Raupach); Clear change to -

1.05 - 1.15 m Light grey (10YR7/2-Moist); Mottles, 2.5YR58, 10-20%, 5-15mm, Distinct; Mottles,

7.5YR56, 10-20%,

5-15mm, Distinct; Light clay; Moderate grade of structure; Rough-ped fabric; Moderately moist; Field pH

7.5 (Raupach); Clear change to -

C 1.15 - 1.3 m White (2.5Y8/2-Moist); Mottles, 10YR68, 2-10%, 5-15mm, Distinct; Light medium clay;

Moderate grade

of structure; Rough-ped fabric; Moderately moist; Field pH 8 (Raupach);

Morphological Notes

C Gritty coarse sandy clay loam

Observation Notes

Site Notes

Site along road reserve of Quickes Road

Project Name: Katanning land resources survey

Project Code: KLC Site ID: 1235 Observation 1

Agency Name: Agriculture Western Australia

Laboratory Test Results:

| 16211/6 | zauita. | | | | | | | | |
|----------------------|--|--|--|---|--|--|---|--|--|
| рН | 1:5 EC | | | | | | CEC | ECEC | ESP |
| | dS/m | Ou ! | mg | | | | | | % |
| 4.8B 4.8B 4.6B | | | | | | | | | |
| 4.7B 5.5H | 50B | 0.11H | 2.75 | 0.03 | 1.3 | 0.09J | | 4.19D | |
| 4.7B 5.5H | 50B | 0.11H | 2.75 | 0.03 | 1.3 | 0.09J | | 4.19D | |
| CaCO3 | Organic C | Avail. P | Total P | Total N | Tota K | l Bulk Density | | | Analysis Silt |
| % | % | mg/kg | % | % | % | Mg/m3 | | % | |
| | | | | | | | | | |
| | | | | | | | 63 | I | 3 |
| | | | | | | | 63 | I | 3 |
| | 4.8B 4.8B 4.6B 4.7B 5.5H 4.7B 5.5H | dS/m 4.8B 4.8B 4.6B 4.7B 5.5H 4.7B 5.5H 5.5H CaCO3 Organic C Clay | PH 1:5 EC Ca Ca dS/m 4.8B 4.8B 4.6B 4.7B 50B 0.11H 5.5H 4.7B 50B 0.11H CaCO3 Organic Avail. C P Clay | pH 1:5 EC dS/m Exchangeable Mg care dS/m Ca Mg 4.8B 4.8B 4.6B 4.7B 50B 0.11H 2.75 5.5H 4.7B 50B 0.11H 2.75 5.5H CaCO3 Organic Clay Avail. Total C P P P | pH 1:5 EC dS/m Ca Exchangeable Cations Mg Cations K 4.8B 4.8B 4.6B 4.7B 5.5H 4.7B 5.5H 5.5H 5.5H 6.5H 0.11H 2.75 0.03 0.03 5.5H 4.7B 5.5H 5.5H 6.5H 6.5H 6.5H 6.5H 6.5H 6.5H | pH 1:5 EC dS/m Exchangeable Cations Mg Na Cmol (state of the control of the contro | pH 1:5 EC dS/m Exchangeable Cations Mg K Na Acidity Cmol (+)/kg 4.8B 4.8B 4.8B 4.6B 4.7B 50B 0.11H 2.75 0.03 1.3 0.09J 5.5H 4.7B 50B 0.11H 2.75 0.03 1.3 0.09J 5.5H 4.7B 50B 0.11H 2.75 0.03 1.3 0.09J 5.5H 50B 0.11H 2.75 0.03 1.3 0.09J 5.5H 50B 0.11H 2.75 0.03 1.3 0.09J CaCO3 Organic C P P P N N K Bulk Density | pH 1:5 EC Exchangeable Cations Na Acidity Acidity Cmol (+)/kg Exchangeable Acidity Acidity Cmol (+)/kg CEC 4.8B 4.8B 4.8B 4.8B 4.8B 4.6B 4.7B 50B 0.11H 2.75 0.03 1.3 0.09J 5.5H 4.7B 50B 0.11H 2.75 0.03 1.3 0.09J 0.09J 5.5H 5.5H 50B 0.11H 2.75 0.03 1.3 0.09J 0.09J 6V CS CacCo3 Organic Avail. Total Total Total Bulk Density Bulk GV CS CS CS CS W Mg/m3 CS Acc Acc CS CS | pH 1:5 EC dS/m Exchangeable Calions Mg Exchangeable Cations Na Acidity Cmol (+)/kg Exchangeable Acidity Cmol (+)/kg CEC ECEC California 4.8B 4.8B 4.6B 4.6B 4.7B 5.5H 4.7B 5.5H 5.5H 5.5H 5.5H 6.2D 6.2D 6.2D 6.2D 6.2D 6.2D 6.2D 6.2D |

Laboratory Analyses Completed for this profile

| 15_NR_BSa | Exchangeable bases (Ca++) - meq per 100g of soil - Auto calculated from available |
|-----------|--|
| 15_NR_CMR | Exchangeable bases (Ca/Mg ratio) - Not recorded |
| 15E1_AL | Exchangeable AI - 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 |
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