| Project Code: KL | tanning land resources s .C Site ID: priculture Western Austra | 0801 O | bservation ID: | 1 | | | |
|---|---|---|--|------------------------|--|--|--|
| Date Desc.:14/0Map Ref.:6343Northing/Long.:6343Easting/Lat.:5449 | her Percy 5/93 700 AMG zone: 50 40 Datum: AGD84 | Locality: Elevation: Rainfall: Runoff: Drainage: | 320 metres No Data No Data Imperfectly draine | ed | | | |
| Geology ExposureType: Soil Geol. Ref.: No I | | Conf. Sub. is Parent. Mat.: No Data Substrate Material: No Data | | | | | |
| Land Form Rel/Slope Class: Gen | tly undulating rises 9-30m 1-3 | 3% | Pattern Type: | Rises | | | |
| | er-slope ey flat on_ Loose | Relief: Slope Category: Aspect: | 20 metres No Data 135 degrees | | | | |
| Erosion: (wind); (sl Soil Classification | neet) (rill) (gully) | | | | | | |
| Australian Soil Classif Hypocalcic Mottled-Hypo ASC Confidence: Confidence level not sp | ernatric Grey Sodosol | Princij | ng Unit: pal Profile Form: Soil Group: | N/A Dg4.43 N/A | | | |
| <u>Site</u> C Vegetation: | omplete clearing. Pasture, nat | tive or improved, culti | vated at some stag | e | | | |
| Surface Coarse | No surface coarse | fragments; No surfac | e coarse fragments | 3 | | | |
| Profile A1p 0 - 0.12 m Moderately moist; Loose | Very dark grey (10YR3/1-M | oist); , 0-0% ; Sand; \$ | Single grain grade o | of structure; | | | |
| to - | consistence; Field pH 6 (Ra | aupach); Few, very fi | ne (0-1mm) roots; S | Sharp, Smooth change | | | |
| A21e 0.12 - 0.35 m | Light brownish grey (10YR6 | ;/2-Moist); , 10YR31, | 2-10% , 30-mm, Di | stinct; Sand; Single | | | |
| grain grade of roots; Gradual, | structure; Moist; Loose cons | ructure; Moist; Loose consistence; Field pH 7.5 (Raupach); Few, very fine (0-1mm) | | | | | |
| | Smooth change to - | | | | | | |
| A22e 0.35 - 0.5 m consistence; | Light grey (2.5Y7/2-Moist); , | - | | | | | |
| | Field pH 8 (Raupach); Few, | , | | - | | | |
| B1 0.5 - 0.65 m 10R36, 2-10% , 15- | Light grey (2.5Y7/1-Moist); I | | | | | | |
| Rough-ped | 30mm, Distinct; Sandy clay | | | | | | |
| fabric; Dry; Strong consistence; 2-10%, medium gravelly, 6-20mm, rounded, , co fragments; Few (2 - | | | | rounded, , coarse | | | |
| 5mm) roots; | 10 %), Ferruginous, Coarse (6 - 20 mm), Nodules; Field pH 8 (Raupach); Few, coarse (> | | | | | | |
| | Clear change to - | | | | | | |
| B2t 0.65 - 1 m Moderate grade of | Grey (2.5Y6/1-Moist); Mottle | es, 10R36, 20-50% , | 15-30mm, Promine | nt; Medium clay; | | | |
| Ū | structure, 20-50 mm, Polyhe | edral; Smooth-ped fa | bric; Dry; Strong co | nsistence; Soil matrix | | | |
| is Slightly | calcareous; Field pH 9.5 (Raupach); | | | | | | |
| Morphological Note | <u>s</u> Mottles due to old root chan | nels | | | | | |

A21eMottles due to old root channelsA22eCoarse sand in medium sandB1Columnar peds massive in top 10cmObservation Notes

Site Notes

| Project Name: | Katanning lar | nd resources | survey |
|---------------|---------------|---------------|--------|
| Project Code: | KLC | Site ID: | 0801 |
| Agency Name: | Agriculture W | lestern Austr | alia |

Observation 1

Laboratory Test Results:

| Depth | рН | 1:5 EC | Ex Ca | changeab Mg | le Cations K | Na | Exchangeable Acidity | CEC | ECEC | ESP |
|---------------------------|--------------------|--------|----------|----------------|-----------------|------|-------------------------|-----|--------|-------|
| m | | dS/m | •• | 9 | | | (+)/kg | | | % |
| 0 - 0.12 | 4.8B 5.7H | 4B | 2.6H | 0.41 | 0.12 | 0.03 | 0.12J | | 3.16D | |
| 0 - 0.1 | 4.9B 5.5H 5B | 12B | | | | | | | | |
| 0 - 0.12 | 4.8B 5.7H | 4B | 2.6H | 0.41 | 0.12 | 0.03 | 0.12J | | 3.16D | |
| 0 - 0.1 | 4.9B 5.5H 5B | 12B | | | | | | | | |
| 0 - 0.1 | 4.9B 5.5H 5B | 12B | | | | | | | | |
| 0.12 - 0.35 | 6.2B 7H | 1B | 0.58A | 0.14 | 0.05 | 0.05 | | | 0.82D | |
| 0.12 - 0.35 | 6.2B 7H | 1B | 0.58A | 0.14 | 0.05 | 0.05 | | | 0.82D | |
| 0.15 - 0.25 0.35 - 0.5 | 6.1B 6.3B | 2B | 0.31A | 0.14 | 0.04 | 0.09 | | | 0.58D | |
| 0.35 - 0.5 | 7.1H 6.3B | 2B | 0.31A | 0.14 | 0.04 | 0.09 | | | 0.58D | |
| 0.4 - 0.5 | 7.1H 6.2B | 20 | 0.017 | 0.14 | 0.04 | 0.00 | | | 0.500 | |
| 0.5 - 0.65 | 6.6B 8.2H | 7B | 0.8E | 1.8 | 0.18 | 1.24 | | 6B | 4.02D | 20.67 |
| 0.5 - 0.65 | 6.6B 8.2H | 7B | 0.8E | 1.8 | 0.18 | 1.24 | | 6B | 4.02D | 20.67 |
| 0.5 - 0.65 | 6.6B 8.2H | 7B | 0.8E | 1.8 | 0.18 | 1.24 | | 6B | 4.02D | 20.67 |
| 0.65 - 1 | 7.2B 8.8H | 10B | 1.46E | 5.74 | 0.38 | 3.58 | | 12B | 11.16D | 29.83 |
| 0.65 - 1 | 7.2B 8.8H | 10B | 1.46E | 5.74 | 0.38 | 3.58 | | 12B | 11.16D | 29.83 |
| 0.65 - 1 | 7.2B 8.8H | 10B | 1.46E | 5.74 | 0.38 | 3.58 | | 12B | 11.16D | 29.83 |

| Depth | CaCO3 | Organic C | Avail. P | Total P | Total N | Total K | Bulk Density | GV | Particle CS | Size FS | Analysis Silt |
|-----------------------------------|-------|----------------|-------------|--------------|------------------|------------|-----------------|----|----------------|------------|------------------|
| m | % | Clay % | mg/kg | % | % | % | Mg/m3 | | | % | |
| 0 - 0.12 3.1 | | 1.09D | | 160B | 0.082E | | | | | | 2.4 |
| 0 - 0.1 0 - 0.12 3.1 | | 1.29D 1.09D | | 140B 160B | 0.083E 0.082E | | | | | | 2.4 |
| 0 - 0.1 0 - 0.1 | | 1.29D 1.29D | | 140B 140B | 0.083E 0.083E | | | | | | 0.0 |
| 0.12 - 0.35 2.1 | | 0.1D | | 30B | 0.012E | | | | | | 3.2 |
| 0.12 - 0.35 2.1 0.15 - 0.25 | | 0.1D | | 30B | 0.012E | | | | | | 3.2 |
| 0.35 - 0.5 1.6 | | 0.07D | | 24B | 0.009E | | | | | | 3.2 |
| 0.35 - 0.5 1.6 0.4 - 0.5 | | 0.07D | | 24B | 0.009E | | | | | | 3.2 |

| Project Name Project Code Agency Nam | : K | LC | nd resources su Site ID: 0 /estern Australi | 0801 | Observation | 1 | |
|--|--------|--------------|---|--------|--------------------------|--------------|-----|
| 0.5 - 0.65 21.8 | <2C | 0.13D | 30B | 0.019E | | | 8.4 |
| 0.5 - 0.65 21.8 | <2C | 0.13D | 30B | 0.019E | | | 8.4 |
| 0.5 - 0.65 21.8 | <2C | 0.13D | 30B | 0.019E | | | 8.4 |
| 0.65 - 1 46.1 | <2C | 0.13D | 28B | 0.025E | | | 6.8 |
| 0.65 - 1 46.1 | <2C | 0.13D | 28B | 0.025E | | | 6.8 |
| 0.65 - 1 46.1 | <2C | 0.13D | 28B | 0.025E | | | 6.8 |
| Laboratory An | alyses | Completed fo | r this profile | | | | |
| 15_NR_BSa 15_NR_CMR | | | ses (Ca++) - meq p ses (Ca/Mg ratio) - | | il - Auto calculated fro | om available | |

| 15_NR_CMR 15A1_CA for soluble | Exchangeable bases (Ca/Mg ratio) - Not recorded Exchangeable bases (Ca2+,Mg2+,Na+,K+) - 1M ammonium chloride at pH 7.0, no pretreatment |
|--|--|
| | salts |
| 15A1_CEC 15A1_K for soluble | Exchangeable bases (CEC) - 1M ammonium chloride at pH 7.0, no pretreatment for soluble salts Exchangeable bases (Ca2+,Mg2+,Na+,K+) - 1M ammonium chloride at pH 7.0, no pretreatment |
| | salts |
| 15A1_MG for soluble | Exchangeable bases (Ca2+,Mg2+,Na+,K+) - 1M ammonium chloride at pH 7.0, no pretreatment |
| | salts |
| 15A1_NA for soluble | Exchangeable bases (Ca2+,Mg2+,Na+,K+) - 1M ammonium chloride at pH 7.0, no pretreatment |
| 1501 01 | salts |
| 15C1_CA pretreatment for | Exchangeable bases (Ca2+,Mg2+,Na+,K+) - alcoholic 1M ammonium chloride at pH 8.5, |
| 4504 050 | soluble salts |
| 15C1_CEC 15C1_K soluble salts | CEC - alcoholic 1M ammonium chloride at pH 8.5, pretreatment for soluble salts Exchangeable bases and CEC - alcoholic 1M ammonium chloride at pH 8.5, pretreatment for |
| 15C1_MG soluble salts | Exchangeable bases and CEC - alcoholic 1M ammonium chloride at pH 8.5, pretreatment for |
| 15C1_NA soluble salts | Exchangeable bases and CEC - alcoholic 1M ammonium chloride at pH 8.5, pretreatment for |
| 15E1_AL 15E1_CA salts | Exchangeable AI - by compulsive exchange, no pretreatment for soluble salts Exchangeable bases (Ca2+,Mg2+,Na+,K+) by compulsive exchange, no pretreatment for soluble |
| 15E1_K 15E1_MG 15E1_MN 15E1_NA 15E1_NA 15J BASES | Exchangeable bases, CEC and AEC by compulsive exchange, no pretreatment for soluble salts Exchangeable bases, CEC and AEC by compulsive exchange, no pretreatment for soluble salts Exchangeable bases (Mn2+) by compulsive exchange, no pretreatment for soluble salts Exchangeable bases, CEC and AEC by compulsive exchange, no pretreatment for soluble salts Sum of Bases |
| 15L1_a Sum of Cations | Exchangeable bases Base saturation percentage (BSP) - Auto calculated from available using |
| | and measured clay |
| 15N1_a 15N1_b 18A1_NR 19B_NR 3_NR 4_NR 4B_AL_NR 4B1 6A1_UC | Exchangeable sodium percentage (ESP) - Auto calculated from available using CEC Exchangeable sodium percentage (ESP) - Auto calculated from available using Sum of Cations Bicarbonate-extractable potassium (not recorded) Calcium Carbonate (CaCO3) - Not recorded Electrical conductivity or soluble salts - Not recorded pH of soil - Not recorded Aluminium in 1:5 soil/0.01M calcium chloride extract - method not recorded pH of 1:5 soil/0.01M calcium chloride extract - direct Organic carbon (%) - Uncorrected Walkley and Black method |
| 7A1 9A3 | Total nitrogen - semimicro Kjeldahl, steam distillation |
| 9A3 9B_NR 9H1 | Total Phosphorus (ppm) - semimicro kjeldahl, automated colour Bicarbonate-extractable phosphorus (not recorded) Anion storage capacity |
| | , and derage explore |

P10_1m2m1000 to 2000u particle size analysis, (method not recorded)P10_20_7520 to 75u particle size analysis, (method not recorded)P10_75_10675 to 106u particle size analysis, (method not recorded)P10_gt2m> 2mm particle size analysis, (method not recorded)P10_NR_CClay (%) - Not recordedP10_NR_SaaSand (%) - Not recorded arithmetic difference, auto generatedP10_NR_ZSilt (%) - Not recordedP1016_150106 to 150u particle size analysis, (method not recorded)P10180_300180 to 300u particle size analysis, (method not recorded)P10300_600300 to 600u particle size analysis, (method not recorded)P106001000600 to 1000u particle size analysis, (method not recorded)