

Project Name: Nyabing Kukerin land resources survey
Project Code: NYA **Site ID:** 0543 **Observation ID:** 1
Agency Name: Agriculture Western Australia

Site Information

| | | | |
|------------------------|----------------------|-------------------|---------------------|
| Desc. By: | Heather Percy | Locality: | |
| Date Desc.: | 12/07/96 | Elevation: | 305 metres |
| Map Ref.: | | Rainfall: | No Data |
| Northing/Long.: | 6298330 AMG zone: 50 | Runoff: | No Data |
| Easting/Lat.: | 599730 Datum: AGD84 | Drainage: | Imperfectly drained |

Geology

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

Landform

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

| | | | |
|---------------------|-------------|------------------------|-----------|
| Morph. Type: | Flat | Relief: | 20 metres |
| Elem. Type: | Valley flat | Slope Category: | No Data |
| Slope: | 0 % | Aspect: | No Data |

Surface Soil Condition Firm

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

Soil Classification

| | | |
|--|--------------------------------|--------|
| Australian Soil Classification: | Mapping Unit: | N/A |
| Mottled Natric Brown Kurosol | Principal Profile Form: | Dy5.21 |
| ASC Confidence: | Great Soil Group: | N/A |

All necessary analytical data are available.

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

Vegetation

Surface Coarse Fragments No surface coarse fragments; No surface coarse fragments

Profile Morphology

| | | |
|-----|-------------------|--|
| A11 | 0 - 0.01 m | Very dark greyish brown (10YR3/2-Moist); , 0-0% ; Clayey sand; Single grain grade of structure; Moist; |
| | | Field pH 6 (Raupach); Abrupt, Smooth change to - |
| A12 | 0.01 - 0.08 m | Brown (10YR4/3-Moist); , 0-0% ; Coarse sand; Single grain grade of structure; Moist; |
| | Field pH 5.5 | (Raupach); Abrupt, Smooth change to - |
| A2 | 0.08 - 0.3 m | Yellowish brown (10YR5/4-Moist); , 0-0% ; Coarse sand; Single grain grade of structure; |
| | Moist; Loose | consistence; Field pH 6 (Raupach); Abrupt, Wavy change to - |
| B1 | 0.3 - 0.45 m | Light brownish grey (10YR6/2-Moist); Mottles, 7.5YR56, 10-20% , 5-15mm, Distinct; |
| | Coarse sandy clay | loam; Weak grade of structure; Rough-ped fabric; Moderately moist; Weak consistence; |
| | Field pH 5 | (Raupach); Clear change to - |
| B2 | 0.45 - 0.7 m | Strong brown (7.5YR5/8-Moist); Mottles, 5YR58, 10-20% , 0-5mm, Distinct; Coarse sandy |
| | light medium | clay; Moderate grade of structure; Rough-ped fabric; Moderately moist; Firm consistence; |
| | Field pH 4.5 | (Raupach); |

Morphological Notes

Observation Notes

Site Notes

Site is on a valley flat, about 130 metres wide.

Project Name: Nyabing Kukerin land resources survey
Project Code: NYA **Site ID:** 0543 **Observation** 1
Agency Name: Agriculture Western Australia

Laboratory Test Results:

| | | | | | | | | | | |
|-------|----|--------|----|-----------------|-----------|----|----------------------|-----|------|-----|
| Depth | pH | 1:5 EC | Ca | Exchangeable Mg | Cations K | Na | Exchangeable Acidity | CEC | ECEC | ESP |
|-------|----|--------|----|-----------------|-----------|----|----------------------|-----|------|-----|

| m | dS/m | | Cmol (+)/kg | | | | | % | | |
|-------------|------|-----|-------------|------|------|-----|-------|-------|--|--|
| 0.45 - 0.65 | 4B | 97B | 1.17H | 3.26 | 0.11 | 1.1 | 0.34J | 5.64D | | |
| | 4.4H | | | | | | | | | |
| 0.45 - 0.65 | 4B | 97B | 1.17H | 3.26 | 0.11 | 1.1 | 0.34J | 5.64D | | |
| | 4.4H | | | | | | | | | |

| Depth | CaCO3 | Organic C | Avail. P | Total P | Total N | Total K | Bulk Density | Particle Size | Analysis |
|-------------|-------|-----------|----------|---------|---------|---------|--------------|---------------|----------|
| m | % | Clay | mg/kg | % | % | % | Mg/m3 | GV CS FS | Silt |
| 0.45 - 0.65 | | 0.16D | | | | | | 63.5I | 4 |
| 32.5 | | | | | | | | | |
| 0.45 - 0.65 | | 0.16D | | | | | | 63.5I | 4 |
| 32.5 | | | | | | | | | |

Laboratory Analyses Completed for this profile

| | |
|-----------|---|
| 15_NR_BSa | Exchangeable bases (Ca++) - meq per 100g of soil - Auto calculated from available |
| 15_NR_CM | Exchangeable bases (Ca/Mg ratio) - Not recorded |
| 15_NR_MN | Exchangeable bases (Mn++) - meq per 100g of soil - Not recorded |
| 15E1_AL | Exchangeable Al - 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_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 |
| 6A1_UC | Organic carbon (%) - Uncorrected Walkley and Black method |
| 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 |