

**Project Name:** Corrigin land resources survey  
**Project Code:** COR **Site ID:** 0027 **Observation ID:** 1  
**Agency Name:** Agriculture Western Australia

#### Site Information

|                        |                      |                   |         |
|------------------------|----------------------|-------------------|---------|
| <b>Desc. By:</b>       | Bill Verboom         | <b>Locality:</b>  |         |
| <b>Date Desc.:</b>     | 01/04/96             | <b>Elevation:</b> | No Data |
| <b>Map Ref.:</b>       |                      | <b>Rainfall:</b>  | No Data |
| <b>Northing/Long.:</b> | 6407110 AMG zone: 50 | <b>Runoff:</b>    | No Data |
| <b>Easting/Lat.:</b>   | 592270 Datum: AGD84  | <b>Drainage:</b>  | No Data |

#### Geology

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

#### Land Form

|                         |           |                        |           |
|-------------------------|-----------|------------------------|-----------|
| <b>Rel/Slope Class:</b> | No Data   | <b>Pattern Type:</b>   | No Data   |
| <b>Morph. Type:</b>     | No Data   | <b>Relief:</b>         | No Data   |
| <b>Elem. Type:</b>      | Hillslope | <b>Slope Category:</b> | No Data   |
| <b>Slope:</b>           | 2.5 %     | <b>Aspect:</b>         | 0 degrees |

#### Surface Soil Condition

#### Erosion:

#### Soil Classification

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

#### Site

#### Vegetation:

#### Surface Coarse

#### Profile

|      |               |  |
|------|---------------|--|
| A1c  | 0 - 0.07 m    | Dark yellowish brown (10YR4/4-Moist); ; Clayey sand; Weak grade of structure, 200-500 mm, Prismatic; |
|      |               | 10-20%, fine gravelly, 2-6mm, Ironstone, coarse fragments; 10-20%, medium gravelly, 6-20mm,          |
|      |               | Ironstone, coarse fragments; Sharp, Smooth change to -   |
| B21c | 0.07 - 0.36 m | Dark yellowish brown (10YR4/6-Moist); ; , Granular; 50-90%, fine gravelly, 2-6mm, Quartz, coarse     |
|      |               | fragments; Abrupt, Smooth change to -  |
| B22c | 0.36 - 0.73 m | Dark yellowish brown (10YR4/6-Moist); ; Moderate grade of structure; 50-90%, fine gravelly, 2-6mm, , |
|      |               | coarse fragments;  |

#### Morphological Notes

|      |  |
|------|--|
| B21c | Sandy loamy gravel                                     |
| B22c | Sandy loamy gravel---gravel is softer than in layer #2 |

#### Observation Notes

#### Site Notes

"Pit #3" Gorge Rock field day

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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 - 0.07    | 5.1B                 | 9B     | 2.83H | 0.64            | 0.32      | 0.17        | 0.07J                |     | 3.96D |     |
| 0.07 - 0.36 | 5.9H<br>5.7B<br>6.6H | 3B     | 2.03A | 0.55            | 0.09      | 0.08        |                      |     | 2.75D |     |

| 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 - 0.07    |       | 1.18D     |          | 250B    | 0.078E  |         |              |               | 4.9      |
| 0.07 - 0.36 |       | 0.27D     |          | 53B     | 0.024E  |         |              |               | 5.4      |
|             |       |           |          |         |         |         |              |               |          |

**Laboratory Analyses Completed for this profile**

|                |  |
|----------------|--|
| 15_NR_BSa      | Exchangeable bases (Ca++) - meq per 100g of soil - Auto calculated from available            |
| 15_NR_CMJR     | Exchangeable bases (Ca/Mg ratio) - Not recorded  |
| 15A1_CA        | Exchangeable bases (Ca2+,Mg2+,Na+,K+) - 1M ammonium chloride at pH 7.0, no pretreatment      |
| for soluble    |  |
| 15A1_CEC       | salts  |
| 15A1_K         | Exchangeable bases (CEC) - 1M ammonium chloride at pH 7.0, no pretreatment for soluble salts |
| for soluble    | Exchangeable bases (Ca2+,Mg2+,Na+,K+) - 1M ammonium chloride at pH 7.0, no pretreatment      |
|                | salts  |
| 15A1_MG        | Exchangeable bases (Ca2+,Mg2+,Na+,K+) - 1M ammonium chloride at pH 7.0, no pretreatment      |
| for soluble    |  |
|                | salts  |
| 15A1_NA        | Exchangeable bases (Ca2+,Mg2+,Na+,K+) - 1M ammonium chloride at pH 7.0, no pretreatment      |
| for soluble    |  |
|                | salts  |
| 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_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   |
| 15L1_a         | Exchangeable bases Base saturation percentage (BSP) - Auto calculated from available using   |
| Sum of Cations | and measured clay  |
| 15N1_a         | Exchangeable sodium percentage (ESP) - Auto calculated from available using CEC              |
| 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  |
| 4B_AL_NR       | Aluminium in 1:5 soil/0.01M calcium chloride extract - method not recorded                   |
| 4B1            | pH of 1:5 soil/0.01M calcium chloride extract - direct                                       |
| 6A1_UC         | Organic carbon (%) - Uncorrected Walkley and Black method                                    |
| 7A1            | Total nitrogen - semimicro Kjeldahl, steam distillation                                      |
| 9A3            | Total Phosphorus (ppm) - semimicro kjeldahl, automated colour                                |
| 9H1            | Anion storage capacity   |
| P10_1m2m       | 1000 to 2000u particle size analysis, (method not recorded)                                  |
| P10_20_75      | 20 to 75u particle size analysis, (method not recorded)                                      |
| P10_75_106     | 75 to 106u particle size analysis, (method not recorded)                                     |
| P10_NR_C       | Clay (%) - Not recorded  |
| P10_NR_Saa     | Sand (%) - Not recorded arithmetic difference, auto generated                                |
| P10_NR_Z       | Silt (%) - Not recorded  |
| P10106_150     | 106 to 150u particle size analysis, (method not recorded)                                    |

|            |   |
|------------|---|
| P10150_180 | 150 to 180u particle size analysis, (method not recorded) |
| P10180_300 | 180 to 300u particle size analysis, (method not recorded) |

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P10300\_600 300 to 600u particle size analysis, (method not recorded)  
P106001000 600 to 1000u particle size analysis, (method not recorded)