

BSAL Soil Data Cards

SURVEY TITLE: R I X S C R E E K B S A L

SITE LOCATION: S O U T H O F C R E E K

| PROFILE MAP DETAILS | | | | SURVEY DETAILS | | | |
|---------------------|---------------|----------|-----------|----------------|--------------|-----------------|---------------|
| Profile No. | Map Sheet No. | Eastings | Northings | Described By | Profile Date | Photo Taken (1) | No. of Layers |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |

| Potential BSAL? (1) | Site type (1) |
|---------------------|--|
| yes (1) no (2) | checked (1) detailed (2) exclusion (3) |

BIOPHYSICAL STRATEGIC AGRICULTURAL LAND SOIL DATA CARD

| SOIL TYPE | VEGETATION | LANDFORM ELEMENT (1) | | | |
|-----------|-----------------------------|----------------------|--------------------------|--------------------|-----------------------|
| A.S.C. | Vegetation Community (1) | alcove (43) | cone (3) | footslope (21) | ox-bow (57) |
| 0 | unknown (1) | backplain (41) | crater (51) | foredune (12) | sink hole/doline (52) |
| SO | rainforest (2) | bank (25) | cut face (28) | gully (42) | stream channel (46) |
| B | wet sclerophyll forest (3) | bar (5) | cut-over surface (39) | hillcrest (1) | streambed (45) |
| GG | dry sclerophyll forest (4) | beach (26) | dam (16) | hillslope (17) | summit surface (2) |
| P | woodland grass u'storey (5) | beach ridge (7) | drainage depression (41) | lagoon (54) | swale (47) |
| SG | woodland shrub u'storey (6) | bench (19) | dune (11) | lake (55) | swamp (58) |
| FAMILY | tall shrubland (7) | berm (29) | embankment (14) | landslide (20) | talus (23) |
| C | low shrubland (8) | blow-out (59) | estuary (44) | levee (8) | tidal creek (48) |
| W | heath (9) | channel bench (43) | fan (27) | rock flat (34) | tidal flat (37) |
| Y | grassland/herbland (10) | cliff (5) | fill top (40) | rock platform (35) | tor (4) |
| | swamp complex (11) | | flood-out (32) | scarp (18) | trench (49) |
| | littoral complex (12) | | | scree (24) | valley flat (50) |
| | no vegetation (13) | | | scroll (10) | |

| LITHOLOGY | | | | TOPOGRAPHY | |
|-------------------------|--------------------------|------------------------|---|------------------------|---------------------|
| Substrate (3) | | | | Slope Percent | Site Morphology (1) |
| not identified (1) | limestone (23) | coarse-basic (45) | 0 (1) 1 (1) 2 (1) 3 (1) 4 (1) 5 (1) 6 (1) 7 (1) 8 (1) 9 (1) | flat (40) | |
| unconsolidated (2) | tuff (24) | fine-acidic (46) | 1 (1) 2 (1) 3 (1) 4 (1) 5 (1) 6 (1) 7 (1) 8 (1) 9 (1) | crest (2) | |
| gravel (3) | breccia (25) | fine-intermediate (47) | 2 (1) 3 (1) 4 (1) 5 (1) 6 (1) 7 (1) 8 (1) 9 (1) | hillock (3) | |
| sand (4) | greywacke (26) | fine-basic (48) | 3 (1) 4 (1) 5 (1) 6 (1) 7 (1) 8 (1) 9 (1) | ridge (4) | |
| silt (5) | arkose (27) | serpentine (49) | 4 (1) 5 (1) 6 (1) 7 (1) 8 (1) 9 (1) | upper slope (5) | |
| clay (6) | dolomite (28) | gabbro (50) | 5 (1) 6 (1) 7 (1) 8 (1) 9 (1) | midslope (6) | |
| organic material (7) | calcrete (29) | dolerite (51) | 6 (1) 7 (1) 8 (1) 9 (1) | simple slope (7) | |
| alluvium (8) | aeolianite (30) | diorite (52) | 7 (1) 8 (1) 9 (1) | lower slope (8) | |
| colluvium (9) | chert (31) | syenite (53) | 8 (1) 9 (1) | open depression (9) | |
| lacustrine (10) | jasper (32) | granodiorite (54) | 9 (1) | closed depression (10) | |
| aeolian (11) | metamorphic (33) | adamellite (55) | | | |
| marine (12) | gneiss (34) | granite (56) | Slope Measurement Method (1) | Slope Morphology (1) | |
| calcareous sand (13) | schist/phyllite (35) | aplite (57) | inclinator (3) | waxing (1) | |
| fill (14) | slate (36) | quartz porphyry (58) | Abney level (4) | waning (2) | |
| mud (15) | hornfels (37) | basalt (59) | total station (5) | maximal (3) | |
| till (16) | quartzite (38) | andesite (60) | RTK GPS (6) | minimal (4) | |
| sedimentary (17) | greenstone (39) | trachyte (61) | LIDAR (7) | | |
| shale (18) | amphibolite (40) | rhyolite (62) | Microrelief Type (1) | Aspect (1) | |
| siltstone/mudstone (19) | marble (41) | obsidian (63) | none (1) | NW NE SE SW | |
| sandstone-quartz (20) | igneous (42) | scoria (64) | normal gilgai (2) | | |
| sandstone-lithic (21) | coarse-acidic (43) | ash (65) | crabhole gilgai (3) | | |
| conglomerate (22) | coarse-intermediate (44) | agglomerate (66) | linear gilgai (4) | | |
| | | other (67) | lattice gilgai (5) | | |
| | | | melonhole gilgai (6) | | |
| | | | other (7) | | |

| LAND USE (1) | | HYDROLOGY | |
|---------------------------|---------------------------|-------------------------|---------------------------|
| national/state parks (1) | affinity with (1) | Profile Drainage (1) | Permeability (1) |
| timber/scrub/unused (2) | volun./native pasture (2) | very poorly drained (1) | very slowly permeable (1) |
| logged native forest (3) | improved pasture (3) | poorly drained (2) | slowly permeable (2) |
| hardwood plantation (4) | cropping (4) | imperfectly drained (3) | moderately permeable (3) |
| softwood plantation (5) | orchard/vineyard (5) | mod. well-drained (4) | highly permeable (4) |
| volun./native pasture (6) | vegetables/flowers (6) | well-drained (5) | |
| improved pasture (7) | urban (7) | rapidly drained (6) | |
| cropping (8) | industrial (8) | | |
| orchard/vineyard (9) | quarry/mining (9) | | |
| vegetables/flowers (10) | other (10) | | |
| urban (11) | | | |
| industrial (12) | | | |
| quarry/mining (13) | | | |
| other (14) | | | |

| Identification Method (1) | | HYDROLOGY | |
|---------------------------|---------------------------|-------------------------|---------------------------|
| personal assessment (1) | geology map (2) | Profile Drainage (1) | Permeability (1) |
| both assessment & map (3) | both assessment & map (3) | very poorly drained (1) | very slowly permeable (1) |
| | | poorly drained (2) | slowly permeable (2) |
| | | imperfectly drained (3) | moderately permeable (3) |
| | | mod. well-drained (4) | highly permeable (4) |
| | | well-drained (5) | |
| | | rapidly drained (6) | |

| Rock Outcrop % (1) | | HYDROLOGY | |
|--------------------|-------------|-------------------------|---------------------------|
| nil (1) | >20-30% (5) | Profile Drainage (1) | Permeability (1) |
| <2% (2) | >30-50% (6) | very poorly drained (1) | very slowly permeable (1) |
| 2-10% (3) | >50% (7) | poorly drained (2) | slowly permeable (2) |
| >10-20% (4) | | imperfectly drained (3) | moderately permeable (3) |
| | | mod. well-drained (4) | highly permeable (4) |
| | | well-drained (5) | |
| | | rapidly drained (6) | |

| Surface Condition | | HYDROLOGY | |
|--------------------------|-----------------|-------------------------|---------------------------|
| Current (2) | Expected | Profile Drainage (1) | Permeability (1) |
| cracked (2) | Wet (2) Dry (2) | very poorly drained (1) | very slowly permeable (1) |
| self-mulched (3) | | poorly drained (2) | slowly permeable (2) |
| loose (4) | | imperfectly drained (3) | moderately permeable (3) |
| soft (5) | | mod. well-drained (4) | highly permeable (4) |
| firm (6) | | well-drained (5) | |
| hardset (7) | | rapidly drained (6) | |
| surface crust (8) | | | |
| trampled (9) | | | |
| poached (10) | | | |
| recently cultivated (11) | | | |
| water repellent (12) | | | |
| gravely (13) | | | |
| other (14) | | | |

| SITE CONDITION | | HYDROLOGY | |
|------------------------------|----------------|-------------------------|---------------------------|
| Site Disturbance(s) (2) | Ground Cover % | Profile Drainage (1) | Permeability (1) |
| natural disturbance (1) | | very poorly drained (1) | very slowly permeable (1) |
| no effective disturbance (2) | | poorly drained (2) | slowly permeable (2) |
| limited clearing (3) | | imperfectly drained (3) | moderately permeable (3) |
| extensive clearing (4) | | mod. well-drained (4) | highly permeable (4) |
| cleared, no cultivation (5) | | well-drained (5) | |
| occasional cultivation (6) | | rapidly drained (6) | |
| rainfed cultivation (7) | | | |
| irrigated cultivation (8) | | | |
| highly disturbed (9) | | | |

| SITE FIELD NOTES | |
|--------------------|--|
| Photo file name/s: | |



NSW SOIL AND LAND INFORMATION SYSTEM

Please MARK LIKE THIS ONLY:



- Use 2B pencil
- No pen or biro
- Fully erase mistakes
- Make no stray marks
- Numbers in () show max. entries allowed

Please do not mark this space.

4640

| | | | | | | | | | | | | | | | | | | | | |
|----|--------------|---------|------------------------|-----------------|-------------|---------------|----------|-------------|----|----|--|--|-----|-----|-----|-----|-----|-----|-----|-----|
| cm | mm | 0 | 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 110 | 120 | 130 | 140 | 150 | 160 | 170 | 180 |
| 1 | LAYER STATUS | | COLOUR (Munsell, 1994) | | | | Field pH | LAYER NOTES | | | | Field pH Test Method (1) | | | | | | | | |
| | Lower | Horizon | Moist Munsell | | Dry Munsell | (1 per layer) | 1 | | | | | Raupach test strip (3) pH meter (2) | | | | | | | | |
| 2 | 1 1 1 1 | 2 A D 1 | 2.5 R 6.5 1.7 0 | 2.5 R 6.5 1.7 0 | 0 0 0 | 1 | | | | | HCl (1) | | | | | | | | | |
| | 2 2 2 2 | 3 B F 2 | 5 YR 5 2 1 | 5 YR 5 2 1 | 1 1 1 | 2 | | | | | no effervescence (1 1 1 1 1) audible/slight efferv. (2 2 2 2 2) strong effervescence (3 3 3 3 3) | | | | | | | | | |
| 3 | 3 3 3 3 | 4 C O 3 | 7.5 Y 5 2 2 | 7.5 Y 5 2 2 | 2 2 2 | 3 | | | | | Boundary Distinctiveness | | | | | | | | | |
| | 4 4 4 4 | AB P | 10 N 3 4 | 10 N 3 4 | 3 3 3 | 4 | | | | | (1 per layer) 1 2 3 4 5 | | | | | | | | | |
| | 5 5 5 5 | AC R | GY 4 4 | GY 4 4 | 4 4 4 | 5 | | | | | not evident (1 1 1 1 1) sharp (<5 mm) (2 2 2 2 2) abrupt (5-20 mm) (3 3 3 3 3) clear (20-50 mm) (4 4 4 4 4) gradual (50-100 mm) (5 5 5 5 5) diffuse (>100 mm) (6 6 6 6 6) | | | | | | | | | |
| 4 | 6 6 6 6 | BC | G 5 5 | G 5 5 | 5 5 5 | 6 | | | | | STRUCTURE | | | | | | | | | |
| | 7 7 7 7 | | 6 6 | 6 6 | 6 6 6 | 7 | | | | | Grade of Pedality (1) 1 2 3 4 5 | | | | | | | | | |
| | 8 8 8 8 | | 7 7 | 7 7 | 7 7 7 | 8 | | | | | single-grained (1 1 1 1 1) massive (2 2 2 2 2) weak pedality (3 3 3 3 3) moderate pedality (4 4 4 4 4) strong pedality (5 5 5 5 5) | | | | | | | | | |
| 5 | 9 9 9 9 | | 8 8 | 8 8 | 8 8 8 | 9 | | | | | Fabric (1) 1 2 3 4 5 | | | | | | | | | |
| | | | | | | | | | | | sandy (1 1 1 1 1) earthy (2 2 2 2 2) rough-faced peds (3 3 3 3 3) smooth-faced peds (4 4 4 4 4) | | | | | | | | | |
| 6 | 1 1 1 1 | 2 A D 1 | 2.5 R 6.5 1.7 0 | 2.5 R 6.5 1.7 0 | 0 0 0 | 1 | | | | | Dominant (1) | | | | | | | | | |
| | 2 2 2 2 | 3 B F 2 | 5 YR 5 2 1 | 5 YR 5 2 1 | 1 1 1 | 2 | | | | | 1 2 3 4 5 | | | | | | | | | |
| | 3 3 3 3 | 4 C O 3 | 7.5 Y 5 2 2 | 7.5 Y 5 2 2 | 2 2 2 | 3 | | | | | Ped Shape | | | | | | | | | |
| 7 | 4 4 4 4 | AB P | 10 N 3 4 | 10 N 3 4 | 3 3 3 | 4 | | | | | 1 2 3 4 5 | | | | | | | | | |
| | 5 5 5 5 | AC R | GY 4 4 | GY 4 4 | 4 4 4 | 5 | | | | | platy (1 1 1 1 1) lenticular (2 2 2 2 2) prismatic (3 3 3 3 3) columnar (4 4 4 4 4) angular blocky (5 5 5 5 5) sub-ang. blocky (6 6 6 6 6) polyhedral (7 7 7 7 7) granular (8 8 8 8 8) crumb (9 9 9 9 9) round (10 10 10 10 10) | | | | | | | | | |
| 8 | 6 6 6 6 | BC | G 5 5 | G 5 5 | 5 5 5 | 6 | | | | | Sub-dominant (1) | | | | | | | | | |
| | 7 7 7 7 | | 6 6 | 6 6 | 6 6 6 | 7 | | | | | 1 2 3 4 5 | | | | | | | | | |
| | 8 8 8 8 | | 7 7 | 7 7 | 7 7 7 | 8 | | | | | Ped Size | | | | | | | | | |
| 9 | 9 9 9 9 | | 8 8 | 8 8 | 8 8 8 | 9 | | | | | 1 2 3 4 5 | | | | | | | | | |
| | | | | | | | | | | | <2 mm (1 1 1 1 1) 2-5 mm (2 2 2 2 2) 5-10 mm (3 3 3 3 3) 10-20 mm (4 4 4 4 4) 20-50 mm (5 5 5 5 5) 50-100 mm (6 6 6 6 6) 100-200 mm (7 7 7 7 7) 200-500 mm (8 8 8 8 8) > 500 mm (9 9 9 9 9) | | | | | | | | | |
| 10 | 1 1 1 1 | 2 A D 1 | 2.5 R 6.5 1.7 0 | 2.5 R 6.5 1.7 0 | 0 0 0 | 1 | | | | | SEGREGATIONS | | | | | | | | | |
| | 2 2 2 2 | 3 B F 2 | 5 YR 5 2 1 | 5 YR 5 2 1 | 1 1 1 | 2 | | | | | Type (1 per layer) 1 2 3 4 5 | | | | | | | | | |
| | 3 3 3 3 | 4 C O 3 | 7.5 Y 5 2 2 | 7.5 Y 5 2 2 | 2 2 2 | 3 | | | | | not evident (1 1 1 1 1) calcareous (2 2 2 2 2) gypsaceous (3 3 3 3 3) manganiferous (4 4 4 4 4) ferruginous (5 5 5 5 5) ferromanganiferous (6 6 6 6 6) organic (7 7 7 7 7) not identified (8 8 8 8 8) other (9 9 9 9 9) | | | | | | | | | |
| 11 | 4 4 4 4 | AB P | 10 N 3 4 | 10 N 3 4 | 3 3 3 | 4 | | | | | Amount (1 per layer) 1 2 3 4 5 | | | | | | | | | |
| | 5 5 5 5 | AC R | GY 4 4 | GY 4 4 | 4 4 4 | 5 | | | | | none (1 1 1 1 1) very few (<2%) (2 2 2 2 2) few (2-10%) (3 3 3 3 3) common (10-20%) (4 4 4 4 4) many (20-50%) (5 5 5 5 5) abundant (>50%) (6 6 6 6 6) | | | | | | | | | |
| 12 | 6 6 6 6 | BC | G 5 5 | G 5 5 | 5 5 5 | 6 | | | | | Strength (1 per layer) 1 2 3 4 5 | | | | | | | | | |
| | 7 7 7 7 | | 6 6 | 6 6 | 6 6 6 | 7 | | | | | weak (1 1 1 1 1) strong (2 2 2 2 2) | | | | | | | | | |
| | 8 8 8 8 | | 7 7 | 7 7 | 7 7 7 | 8 | | | | | Form (1 per layer) 1 2 3 4 5 | | | | | | | | | |
| 13 | 9 9 9 9 | | 8 8 | 8 8 | 8 8 8 | 9 | | | | | soft segregations (1 1 1 1 1) nodules (2 2 2 2 2) fragments (3 3 3 3 3) crystals (4 4 4 4 4) veins (5 5 5 5 5) concretions (6 6 6 6 6) root linings (7 7 7 7 7) tubules (8 8 8 8 8) | | | | | | | | | |
| | | | | | | | | | | | Size (1 per layer) 1 2 3 4 5 | | | | | | | | | |
| 14 | 1 1 1 1 | 2 A D 1 | 2.5 R 6.5 1.7 0 | 2.5 R 6.5 1.7 0 | 0 0 0 | 1 | | | | | fine (<2 mm) (1 1 1 1 1) medium (2-6 mm) (2 2 2 2 2) coarse (6-20 mm) (3 3 3 3 3) v coarse (20-60 mm) (4 4 4 4 4) ext coarse (>60 mm) (5 5 5 5 5) | | | | | | | | | |
| | 2 2 2 2 | 3 B F 2 | 5 YR 5 2 1 | 5 YR 5 2 1 | 1 1 1 | 2 | | | | | Sand Fraction 1 2 3 4 5 | | | | | | | | | |
| | 3 3 3 3 | 4 C O 3 | 7.5 Y 5 2 2 | 7.5 Y 5 2 2 | 2 2 2 | 3 | | | | | coarse (1 1 1 1 1) fine (2 2 2 2 2) | | | | | | | | | |
| 15 | 4 4 4 4 | AB P | 10 N 3 4 | 10 N 3 4 | 3 3 3 | 4 | | | | | Clay Fraction 1 2 3 4 5 | | | | | | | | | |
| | 5 5 5 5 | AC R | GY 4 4 | GY 4 4 | 4 4 4 | 5 | | | | | light (1 1 1 1 1) light medium (2 2 2 2 2) medium (3 3 3 3 3) medium heavy (4 4 4 4 4) heavy (5 5 5 5 5) | | | | | | | | | |
| 16 | 6 6 6 6 | BC | G 5 5 | G 5 5 | 5 5 5 | 6 | | | | | | | | | | | | | | |
| | 7 7 7 7 | | 6 6 | 6 6 | 6 6 6 | 7 | | | | | | | | | | | | | | |
| | 8 8 8 8 | | 7 7 | 7 7 | 7 7 7 | 8 | | | | | | | | | | | | | | |
| 17 | 9 9 9 9 | | 8 8 | 8 8 | 8 8 8 | 9 | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | |
| 18 | 1 1 1 1 | 2 A D 1 | 2.5 R 6.5 1.7 0 | 2.5 R 6.5 1.7 0 | 0 0 0 | 1 | | | | | | | | | | | | | | |
| | 2 2 2 2 | 3 B F 2 | 5 YR 5 2 1 | 5 YR 5 2 1 | 1 1 1 | 2 | | | | | | | | | | | | | | |
| | 3 3 3 3 | 4 C O 3 | 7.5 Y 5 2 2 | 7.5 Y 5 2 2 | 2 2 2 | 3 | | | | | | | | | | | | | | |
| 19 | 4 4 4 4 | AB P | 10 N 3 4 | 10 N 3 4 | 3 3 3 | 4 | | | | | | | | | | | | | | |
| | 5 5 5 5 | AC R | GY 4 4 | GY 4 4 | 4 4 4 | 5 | | | | | | | | | | | | | | |
| 20 | 6 6 6 6 | BC | G 5 5 | G 5 5 | 5 5 5 | 6 | | | | | | | | | | | | | | |
| | 7 7 7 7 | | 6 6 | 6 6 | 6 6 6 | 7 | | | | | | | | | | | | | | |
| | 8 8 8 8 | | 7 7 | 7 7 | 7 7 7 | 8 | | | | | | | | | | | | | | |
| 21 | 9 9 9 9 | | 8 8 | 8 8 | 8 8 8 | 9 | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | |
| 22 | 1 1 1 1 | 2 A D 1 | 2.5 R 6.5 1.7 0 | 2.5 R 6.5 1.7 0 | 0 0 0 | 1 | | | | | | | | | | | | | | |
| | 2 2 2 2 | 3 B F 2 | 5 YR 5 2 1 | 5 YR 5 2 1 | 1 1 1 | 2 | | | | | | | | | | | | | | |
| | 3 3 3 3 | 4 C O 3 | 7.5 Y 5 2 2 | 7.5 Y 5 2 2 | 2 2 2 | 3 | | | | | | | | | | | | | | |
| 23 | 4 4 4 4 | AB P | 10 N 3 4 | 10 N 3 4 | 3 3 3 | 4 | | | | | | | | | | | | | | |
| | 5 5 5 5 | AC R | GY 4 4 | GY 4 4 | 4 4 4 | 5 | | | | | | | | | | | | | | |
| 24 | 6 6 6 6 | BC | G 5 5 | G 5 5 | 5 5 5 | 6 | | | | | | | | | | | | | | |
| | 7 7 7 7 | | 6 6 | 6 6 | 6 6 6 | 7 | | | | | | | | | | | | | | |
| | 8 8 8 8 | | 7 7 | 7 7 | 7 7 7 | 8 | | | | | | | | | | | | | | |
| 25 | 9 9 9 9 | | 8 8 | 8 8 | 8 8 8 | 9 | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | |
| 26 | 1 1 1 1 | 2 A D 1 | 2.5 R 6.5 1.7 0 | 2.5 R 6.5 1.7 0 | 0 0 0 | 1 | | | | | | | | | | | | | | |
| | 2 2 2 2 | 3 B F 2 | 5 YR 5 2 1 | 5 YR 5 2 1 | 1 1 1 | 2 | | | | | | | | | | | | | | |
| | 3 3 3 3 | 4 C O 3 | 7.5 Y 5 2 2 | 7.5 Y 5 2 2 | 2 2 2 | 3 | | | | | | | | | | | | | | |
| 27 | 4 4 4 4 | AB P | 10 N 3 4 | 10 N 3 4 | 3 3 3 | 4 | | | | | | | | | | | | | | |
| | 5 5 5 5 | AC R | GY 4 4 | GY 4 4 | 4 4 4 | 5 | | | | | | | | | | | | | | |
| 28 | 6 6 6 6 | BC | G 5 5 | G 5 5 | 5 5 5 | 6 | | | | | | | | | | | | | | |
| | 7 7 7 7 | | 6 6 | 6 6 | 6 6 6 | 7 | | | | | | | | | | | | | | |
| | 8 8 8 8 | | 7 7 | 7 7 | 7 7 7 | 8 | | | | | | | | | | | | | | |
| 29 | 9 9 9 9 | | 8 8 | 8 8 | 8 8 8 | 9 | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | |
| 30 | 1 1 1 1 | 2 A D 1 | 2.5 R 6.5 1.7 0 | 2.5 R 6.5 1.7 0 | 0 0 0 | 1 | | | | | | | | | | | | | | |
| | 2 2 2 2 | 3 B F 2 | 5 YR 5 2 1 | 5 YR 5 2 1 | 1 1 1 | 2 | | | | | | | | | | | | | | |
| | 3 3 3 3 | 4 C O 3 | 7.5 Y 5 2 2 | 7.5 Y 5 2 2 | 2 2 2 | 3 | | | | | | | | | | | | | | |
| 31 | 4 4 4 4 | AB P | 10 N 3 4 | 10 N 3 4 | 3 3 3 | 4 | | | | | | | | | | | | | | |
| | 5 5 5 5 | AC R | GY 4 4 | GY 4 4 | 4 4 4 | 5 | | | | | | | | | | | | | | |
| 32 | 6 6 6 6 | BC | G 5 5 | G 5 5 | 5 5 5 | 6 | | | | | | | | | | | | | | |
| | 7 7 7 7 | | 6 6 | 6 6 | 6 6 6 | 7 | | | | | | | | | | | | | | |
| | 8 8 8 8 | | 7 7 | 7 7 | 7 7 7 | 8 | | | | | | | | | | | | | | |
| 33 | 9 9 9 9 | | 8 8 | 8 8 | 8 8 8 | 9 | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | |
| 34 | 1 1 1 1 | 2 A D 1 | 2.5 R 6.5 1.7 0 | 2.5 R 6.5 1.7 0 | 0 0 0 | 1 | | | | | | | | | | | | | | |
| | 2 2 2 2 | 3 B F 2 | 5 YR 5 2 1 | 5 YR 5 2 1 | 1 1 1 | 2 | | | | | | | | | | | | | | |
| | 3 3 3 3 | 4 C O 3 | 7.5 Y 5 2 2 | 7.5 Y 5 2 2 | 2 2 2 | 3 | | | | | | | | | | | | | | |
| 35 | 4 4 4 4 | AB P | 10 N 3 4 | 10 N 3 4 | 3 3 3 | 4 | | | | | | | | | | | | | | |
| | 5 5 5 5 | AC R | GY 4 4 | GY 4 4 | 4 4 4 | 5 | | | | | | | | | | | | | | |
| 36 | 6 6 6 6 | BC | G 5 5 | G 5 5 | 5 5 5 | 6 | | | | | | | | | | | | | | |
| | 7 7 7 7 | | 6 6 | 6 6 | 6 6 6 | 7 | | | | | | | | | | | | | | |
| | 8 8 8 8 | | 7 7 | 7 7 | 7 7 7 | 8 | | | | | | | | | | | | | | |
| 37 | 9 9 9 9 | | 8 8 | 8 8 | 8 8 8 | 9 | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | |
| 38 | 1 1 1 1 | 2 A D 1 | 2.5 R 6.5 1.7 0 | 2.5 R 6.5 1.7 0 | 0 0 0 | 1 | | | | | | | | | | | | | | |
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| | 3 3 3 3 | 4 C O 3 | 7.5 Y 5 2 2 | 7.5 Y 5 2 2 | 2 2 2 | 3 | | | | | | | | | | | | | | |
| 39 | 4 4 4 4 | AB P | 10 N 3 4 | 10 N 3 4 | 3 3 3 | 4 | | | | | | | | | | | | | | |
| | 5 5 5 5 | AC R | GY 4 4 | GY 4 4 | 4 4 4 | 5 | | | | | | | | | | | | | | |
| 40 | 6 6 6 6 | BC | G 5 5 | G 5 5 | 5 5 5 | 6 | | | | | | | | | | | | | | |
| | 7 7 7 7 | | 6 6 | 6 6 | 6 6 6 | 7 | | | | | | | | | | | | | | |
| | 8 8 8 8 | | 7 7 | 7 7 | 7 7 7 | 8 | | | | | | | | | | | | | | |
| 41 | 9 9 9 9 | | 8 8 | 8 8 | 8 8 8 | 9 | | | | | | | | | | | | | | |
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| 42 | 1 1 1 1 | 2 A D 1 | 2.5 R 6.5 1.7 0 | 2.5 R 6.5 1.7 0 | 0 0 0 | 1 | | | | | | | | | | | | | | |
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| | 3 3 3 3 | 4 C O 3 | 7.5 Y 5 2 2 | 7.5 Y 5 2 2 | 2 2 2 | 3 | | | | | | | | | | | | | | |
| 43 | 4 4 4 4 | AB P | 10 N 3 4 | 10 N 3 4 | 3 3 3 | 4 | | | | | | | | | | | | | | |
| | 5 5 5 5 | AC R | GY 4 4 | GY 4 4 | 4 4 4 | 5 | | | | | | | | | | | | | | |
| 44 | 6 6 6 6 | BC | G 5 5 | G 5 5 | 5 5 5 | 6 | | | | | | | | | | | | | | |
| | 7 7 7 7 | | 6 6 | 6 6 | 6 6 6 | 7 | | | | | | | | | | | | | | |
| | 8 8 8 8 | | 7 7 | 7 7 | 7 7 7 | 8 | | | | | | | | | | | | | | |
| 45 | 9 9 9 9 | | 8 8 | 8 8 | 8 8 8 | 9 | | | | | | | | | | | | | | |
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| 46 | 1 1 1 1 | 2 A D 1 | 2.5 R 6.5 1.7 0 | 2.5 R 6.5 1.7 0 | 0 0 0 | 1 | | | | | | | | | | | | | | |
| | 2 2 2 2 | 3 B F 2 | 5 YR 5 2 1 | 5 YR 5 2 1 | 1 1 1 | 2 | | | | | | | | | | | | | | |
| | 3 3 3 3 | 4 C O 3 | 7.5 Y 5 2 2 | 7.5 Y 5 2 2 | 2 2 2 | 3 | | | | | | | | | | | | | | |
| 47 | 4 4 4 4 | AB P | 10 N 3 4 | 10 N 3 4 | 3 3 3 | 4 | | | | | | | | | | | | | | |
| | 5 5 5 5 | AC R | GY 4 4 | GY 4 4 | 4 4 4 | 5 | | | | | | | | | | | | | | |
| 48 | 6 6 6 6 | BC | G 5 5 | G 5 5 | 5 5 5 | 6 | | | | | | | | | | | | | | |
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| 49 | 9 9 9 9 | | 8 8 | 8 8 | 8 8 8 | 9 | | | | | | | | | | | | | | |
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| 50 | 1 1 1 1 | 2 A D 1 | 2.5 R 6.5 1.7 0 | 2.5 R 6.5 1.7 0 | 0 0 0 | 1 | | | | | | | | | | | | | | |
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| | 3 3 3 3 | 4 C O 3 | 7.5 Y 5 2 2 | 7.5 Y 5 2 2 | 2 2 2 | 3 | | | | | | | | | | | | | | |
| 51 | 4 4 4 4 | AB P | 10 N 3 4 | 10 N 3 4 | 3 3 3 | 4 | | | | | | | | | | | | | | |
| | 5 5 5 5 | AC R | GY 4 4 | GY 4 4 | 4 4 4 | 5 | | | | | | | | | | | | | | |
| 52 | 6 6 6 6 | BC | G 5 5 | G 5 5 | 5 5 5 | 6 | | | | | | | | | | | | | | |
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| 53 | 9 9 9 9 | | 8 8 | 8 8 | 8 8 8 | 9 | | | | | | | | | | | | | | |
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| 54 | 1 1 1 1 | 2 A D 1 | 2.5 R 6.5 1.7 0 | 2.5 R 6.5 1.7 0 | 0 0 0 | 1 | | | | | | | | | | | | | | |
| | 2 2 2 2 | 3 B F 2 | 5 YR 5 2 1 | 5 YR 5 2 1 | 1 1 1 | 2 | | | | | | | | | | | | | | |
| | 3 3 3 3 | 4 C O 3 | 7.5 Y 5 2 2 | 7.5 Y 5 2 2 | 2 2 2 | 3 | | | | | | | | | | | | | | |
| 55 | 4 4 4 4 | AB P | 10 N 3 4 | 10 N 3 4 | 3 3 3 | 4 | | | | | | | | | | | | | | |
| | 5 5 5 5 | AC R | GY 4 4 | GY 4 4 | 4 4 4 | 5 | | | | | | | | | | | | | | |
| 56 | 6 6 6 6 | BC | G 5 5 | | | | | | | | | | | | | | | | | |

SURVEY TITLE: RIXS CREEK BSAL

SITE LOCATION: ADJACENT TO TRACK

| PROFILE MAP DETAILS | | | | SURVEY DETAILS | | | |
|--|---------------|---------------------------|-----------|--|--------------|-----------------|---------------|
| Profile No. | Map Sheet No. | Eastings | Northings | Described By | Profile Date | Photo Taken (1) | No. of Layers |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| Potential BSAL? (1) | | | | Site type (1) | | | |
| yes 1 no 2 | | | | checked 1 detailed 2 exclusion 3 | | | |
| BIOPHYSICAL STRATEGIC AGRICULTURAL LAND SOIL DATA CARD | | | | | | | |
| SOIL TYPE | | VEGETATION | | LANDFORM ELEMENT (1) | | | |
| A.S.C. | | Vegetation Community (1) | | alcove 43 cone 33 footslope 21 ox-bow 57 sink hole/doline 52 | | | |
| O | | unknown 1 | | backplain 31 crater 51 foredune 12 pan/playa 55 stream channel 46 | | | |
| SO | | rainforest 2 | | bank 25 cut face 28 hillcrest 11 pediment 22 streambed 45 | | | |
| A | | wet sclerophyll forest 3 | | bar 5 cut-over surface 39 hillslope 49 plain 30 summit swale 47 | | | |
| B | | dry sclerophyll forest 4 | | beach 26 dam 16 lagoon 54 prior stream 9 swamp 58 | | | |
| GG | | woodland grass u'storey 5 | | beach ridge 7 drainage depression 41 lake 55 rock flat 34 talus 23 | | | |
| S | | woodland shrub u'storey 6 | | bench 19 dune 11 landslide 20 scarp 18 tidal flat 37 | | | |
| SG | | tall shrubland 7 | | berm 29 embankment 14 levee 8 scarp 18 tor 4 | | | |
| A | | low shrubland 8 | | blow-out 59 estuary 44 lunette 13 scree 24 trench 49 | | | |
| H | | heath 9 | | channel bench 33 fan 27 maar 53 scroll 10 valley flat 38 | | | |
| B | | grassland/herbland 10 | | cirque 50 fill top 40 mound 15 | | | |
| F | | swamp complex 11 | | cliff 5 flood-out 32 | | | |
| E | | littoral complex 12 | | | | | |
| N | | no vegetation 13 | | | | | |
| Z | | | | | | | |
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| cm | mm | 0 | 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 110 | 120 | 130 | 140 | 150 | 160 | 170 | 180 |
| 1 | LAYER STATUS | | COLOUR (Munsell, 1994) | | | | Field pH | LAYER NOTES | | | | Field pH Test Method (1) | | | | | | | | |
| | Lower | Horizon | Moist Munsell | | Dry Munsell | (1 per layer) | 1 | | | | | Raupach test strip (3) pH meter (2) | | | | | | | | |
| 2 | 1 1 1 1 | 3 B F 2 2 | 2.5 R 8G 17 0 | 2.5 R 8G 17 0 | 0 0 0 | 1 | | | | | HCl (1) | | | | | | | | | |
| | 2 2 2 2 | 4 C O 3 3 | 7.5 Y P 2.5 2 | 7.5 Y P 2.5 2 | 2 2 2 | 2 | | | | | no effervescence 1 1 1 1 1 | | | | | | | | | |
| 3 | 3 3 3 3 | AB P | 10 N 3 3 | 10 N 3 3 | 3 3 3 | 3 | | | | | audible/slight efferv. 2 2 2 2 2 | | | | | | | | | |
| | 4 4 4 4 | AC R | GY 4 4 | GY 4 4 | 4 4 4 | 4 | | | | | strong effervescence 3 3 3 3 3 | | | | | | | | | |
| | 5 5 5 5 | BC | G 5 5 | G 5 5 | 5 5 5 | 5 | | | | | Boundary Distinctiveness | | | | | | | | | |
| 4 | 6 6 6 6 | | 6 6 6 | 6 6 6 | 6 6 6 | 6 | | | | | (1 per layer) 1 2 3 4 5 | | | | | | | | | |
| | 7 7 7 7 | | 7 7 7 | 7 7 7 | 7 7 7 | 7 | | | | | not evident 1 1 1 1 1 | | | | | | | | | |
| | 8 8 8 8 | | 8 8 8 | 8 8 8 | 8 8 8 | 8 | | | | | sharp (<5 mm) 2 2 2 2 2 | | | | | | | | | |
| | 9 9 9 9 | | | | 9 9 9 | 9 | | | | | abrupt (5-20 mm) 3 3 3 3 3 | | | | | | | | | |
| 5 | 1 1 1 1 | 3 B F 2 2 | 2.5 R 8G 17 0 | 2.5 R 8G 17 0 | 0 0 0 | 1 | | | | | clear (20-50 mm) 4 4 4 4 4 | | | | | | | | | |
| | 2 2 2 2 | 4 C O 3 3 | 7.5 Y P 2.5 2 | 7.5 Y P 2.5 2 | 2 2 2 | 2 | | | | | gradual (50-100 mm) 5 5 5 5 5 | | | | | | | | | |
| 6 | 3 3 3 3 | AB P | 10 N 3 3 | 10 N 3 3 | 3 3 3 | 3 | | | | | diffuse (>100 mm) 6 6 6 6 6 | | | | | | | | | |
| | 4 4 4 4 | AC R | GY 4 4 | GY 4 4 | 4 4 4 | 4 | | | | | STRUCTURE | | | | | | | | | |
| | 5 5 5 5 | BC | G 5 5 | G 5 5 | 5 5 5 | 5 | | | | | Grade of Pedality (1) 1 2 3 4 5 | | | | | | | | | |
| 7 | 6 6 6 6 | | 6 6 6 | 6 6 6 | 6 6 6 | 6 | | | | | single-grained 1 1 1 1 1 | | | | | | | | | |
| | 7 7 7 7 | | 7 7 7 | 7 7 7 | 7 7 7 | 7 | | | | | massive 2 2 2 2 2 | | | | | | | | | |
| | 8 8 8 8 | | 8 8 8 | 8 8 8 | 8 8 8 | 8 | | | | | weak pedality 3 3 3 3 3 | | | | | | | | | |
| | 9 9 9 9 | | | | 9 9 9 | 9 | | | | | moderate pedality 4 4 4 4 4 | | | | | | | | | |
| 8 | 1 1 1 1 | 3 B F 2 2 | 2.5 R 8G 17 0 | 2.5 R 8G 17 0 | 0 0 0 | 1 | | | | | strong pedality 5 5 5 5 5 | | | | | | | | | |
| | 2 2 2 2 | 4 C O 3 3 | 7.5 Y P 2.5 2 | 7.5 Y P 2.5 2 | 2 2 2 | 2 | | | | | Fabric (1) 1 2 3 4 5 | | | | | | | | | |
| 9 | 3 3 3 3 | AB P | 10 N 3 3 | 10 N 3 3 | 3 3 3 | 3 | | | | | sandy 1 1 1 1 1 | | | | | | | | | |
| | 4 4 4 4 | AC R | GY 4 4 | GY 4 4 | 4 4 4 | 4 | | | | | earthy 2 2 2 2 2 | | | | | | | | | |
| | 5 5 5 5 | BC | G 5 5 | G 5 5 | 5 5 5 | 5 | | | | | rough-faced peds 3 3 3 3 3 | | | | | | | | | |
| 10 | 6 6 6 6 | | 6 6 6 | 6 6 6 | 6 6 6 | 6 | | | | | smooth-faced peds 4 4 4 4 4 | | | | | | | | | |
| | 7 7 7 7 | | 7 7 7 | 7 7 7 | 7 7 7 | 7 | | | | | Dominant (1) | | | | | | | | | |
| | 8 8 8 8 | | 8 8 8 | 8 8 8 | 8 8 8 | 8 | | | | | 1 2 3 4 5 | | | | | | | | | |
| | 9 9 9 9 | | | | 9 9 9 | 9 | | | | | 1 1 1 1 1 | | | | | | | | | |
| 11 | 1 1 1 1 | 3 B F 2 2 | 2.5 R 8G 17 0 | 2.5 R 8G 17 0 | 0 0 0 | 1 | | | | | 2 2 2 2 2 | | | | | | | | | |
| | 2 2 2 2 | 4 C O 3 3 | 7.5 Y P 2.5 2 | 7.5 Y P 2.5 2 | 2 2 2 | 2 | | | | | 3 3 3 3 3 | | | | | | | | | |
| | 3 3 3 3 | AB P | 10 N 3 3 | 10 N 3 3 | 3 3 3 | 3 | | | | | 4 4 4 4 4 | | | | | | | | | |
| | 4 4 4 4 | AC R | GY 4 4 | GY 4 4 | 4 4 4 | 4 | | | | | 5 5 5 5 5 | | | | | | | | | |
| | 5 5 5 5 | BC | G 5 5 | G 5 5 | 5 5 5 | 5 | | | | | 6 6 6 6 6 | | | | | | | | | |
| 12 | 6 6 6 6 | | 6 6 6 | 6 6 6 | 6 6 6 | 6 | | | | | 7 7 7 7 7 | | | | | | | | | |
| | 7 7 7 7 | | 7 7 7 | 7 7 7 | 7 7 7 | 7 | | | | | 8 8 8 8 8 | | | | | | | | | |
| | 8 8 8 8 | | 8 8 8 | 8 8 8 | 8 8 8 | 8 | | | | | 9 9 9 9 9 | | | | | | | | | |
| | 9 9 9 9 | | | | 9 9 9 | 9 | | | | | 10 10 10 10 10 | | | | | | | | | |
| 13 | 1 1 1 1 | 3 B F 2 2 | 2.5 R 8G 17 0 | 2.5 R 8G 17 0 | 0 0 0 | 1 | | | | | Ped Shape | | | | | | | | | |
| | 2 2 2 2 | 4 C O 3 3 | 7.5 Y P 2.5 2 | 7.5 Y P 2.5 2 | 2 2 2 | 2 | | | | | 1 2 3 4 5 | | | | | | | | | |
| | 3 3 3 3 | AB P | 10 N 3 3 | 10 N 3 3 | 3 3 3 | 3 | | | | | platy 1 1 1 1 1 | | | | | | | | | |
| | 4 4 4 4 | AC R | GY 4 4 | GY 4 4 | 4 4 4 | 4 | | | | | lenticular 2 2 2 2 2 | | | | | | | | | |
| | 5 5 5 5 | BC | G 5 5 | G 5 5 | 5 5 5 | 5 | | | | | prismatic 3 3 3 3 3 | | | | | | | | | |
| 14 | 6 6 6 6 | | 6 6 6 | 6 6 6 | 6 6 6 | 6 | | | | | columnar 4 4 4 4 4 | | | | | | | | | |
| | 7 7 7 7 | | 7 7 7 | 7 7 7 | 7 7 7 | 7 | | | | | angular blocky 5 5 5 5 5 | | | | | | | | | |
| | 8 8 8 8 | | 8 8 8 | 8 8 8 | 8 8 8 | 8 | | | | | sub-ang. blocky 6 6 6 6 6 | | | | | | | | | |
| | 9 9 9 9 | | | | 9 9 9 | 9 | | | | | polyhedral 7 7 7 7 7 | | | | | | | | | |
| 15 | 1 1 1 1 | 3 B F 2 2 | 2.5 R 8G 17 0 | 2.5 R 8G 17 0 | 0 0 0 | 1 | | | | | granular 8 8 8 8 8 | | | | | | | | | |
| | 2 2 2 2 | 4 C O 3 3 | 7.5 Y P 2.5 2 | 7.5 Y P 2.5 2 | 2 2 2 | 2 | | | | | crumb 9 9 9 9 9 | | | | | | | | | |
| | 3 3 3 3 | AB P | 10 N 3 3 | 10 N 3 3 | 3 3 3 | 3 | | | | | round 10 10 10 10 10 | | | | | | | | | |
| | 4 4 4 4 | AC R | GY 4 4 | GY 4 4 | 4 4 4 | 4 | | | | | Dominant (1) | | | | | | | | | |
| | 5 5 5 5 | BC | G 5 5 | G 5 5 | 5 5 5 | 5 | | | | | 1 2 3 4 5 | | | | | | | | | |
| 16 | 6 6 6 6 | | 6 6 6 | 6 6 6 | 6 6 6 | 6 | | | | | 1 1 1 1 1 | | | | | | | | | |
| | 7 7 7 7 | | 7 7 7 | 7 7 7 | 7 7 7 | 7 | | | | | 2 2 2 2 2 | | | | | | | | | |
| | 8 8 8 8 | | 8 8 8 | 8 8 8 | 8 8 8 | 8 | | | | | 3 3 3 3 3 | | | | | | | | | |
| | 9 9 9 9 | | | | 9 9 9 | 9 | | | | | 4 4 4 4 4 | | | | | | | | | |
| 17 | 1 1 1 1 | 3 B F 2 2 | 2.5 R 8G 17 0 | 2.5 R 8G 17 0 | 0 0 0 | 1 | | | | | 5 5 5 5 5 | | | | | | | | | |
| | 2 2 2 2 | 4 C O 3 3 | 7.5 Y P 2.5 2 | 7.5 Y P 2.5 2 | 2 2 2 | 2 | | | | | 6 6 6 6 6 | | | | | | | | | |
| | 3 3 3 3 | AB P | 10 N 3 3 | 10 N 3 3 | 3 3 3 | 3 | | | | | 7 7 7 7 7 | | | | | | | | | |
| | 4 4 4 4 | AC R | GY 4 4 | GY 4 4 | 4 4 4 | 4 | | | | | 8 8 8 8 8 | | | | | | | | | |
| | 5 5 5 5 | BC | G 5 5 | G 5 5 | 5 5 5 | 5 | | | | | 9 9 9 9 9 | | | | | | | | | |
| 18 | 6 6 6 6 | | 6 6 6 | 6 6 6 | 6 6 6 | 6 | | | | | 10 10 10 10 10 | | | | | | | | | |
| | 7 7 7 7 | | 7 7 7 | 7 7 7 | 7 7 7 | 7 | | | | | Ped Size | | | | | | | | | |
| | 8 8 8 8 | | 8 8 8 | 8 8 8 | 8 8 8 | 8 | | | | | 1 2 3 4 5 | | | | | | | | | |
| | 9 9 9 9 | | | | 9 9 9 | 9 | | | | | 1 1 1 1 1 | | | | | | | | | |
| 19 | 1 1 1 1 | 3 B F 2 2 | 2.5 R 8G 17 0 | 2.5 R 8G 17 0 | 0 0 0 | 1 | | | | | 2 2 2 2 2 | | | | | | | | | |
| | 2 2 2 2 | 4 C O 3 3 | 7.5 Y P 2.5 2 | 7.5 Y P 2.5 2 | 2 2 2 | 2 | | | | | 3 3 3 3 3 | | | | | | | | | |
| | 3 3 3 3 | AB P | 10 N 3 3 | 10 N 3 3 | 3 3 3 | 3 | | | | | 4 4 4 4 4 | | | | | | | | | |
| | 4 4 4 4 | AC R | GY 4 4 | GY 4 4 | 4 4 4 | 4 | | | | | 5 5 5 5 5 | | | | | | | | | |
| | 5 5 5 5 | BC | G 5 5 | G 5 5 | 5 5 5 | 5 | | | | | 6 6 6 6 6 | | | | | | | | | |
| 20 | 6 6 6 6 | | 6 6 6 | 6 6 6 | 6 6 6 | 6 | | | | | 7 7 7 7 7 | | | | | | | | | |
| | 7 7 7 7 | | 7 7 7 | 7 7 7 | 7 7 7 | 7 | | | | | 8 8 8 8 8 | | | | | | | | | |
| | 8 8 8 8 | | 8 8 8 | 8 8 8 | 8 8 8 | 8 | | | | | 9 9 9 9 9 | | | | | | | | | |
| | 9 9 9 9 | | | | 9 9 9 | 9 | | | | | 10 10 10 10 10 | | | | | | | | | |
| 21 | 1 1 1 1 | 3 B F 2 2 | 2.5 R 8G 17 0 | 2.5 R 8G 17 0 | 0 0 0 | 1 | | | | | Soil Water Status | | | | | | | | | |
| | 2 2 2 2 | 4 C O 3 3 | 7.5 Y P 2.5 2 | 7.5 Y P 2.5 2 | 2 2 2 | 2 | | | | | 1 2 3 4 5 | | | | | | | | | |
| | 3 3 3 3 | AB P | 10 N 3 3 | 10 N 3 3 | 3 3 3 | 3 | | | | | dry 1 1 1 1 1 | | | | | | | | | |
| | 4 4 4 4 | AC R | GY 4 4 | GY 4 4 | 4 4 4 | 4 | | | | | mod. moist 2 2 2 2 2 | | | | | | | | | |
| | 5 5 5 5 | BC | G 5 5 | G 5 5 | 5 5 5 | 5 | | | | | moist 3 3 3 3 3 | | | | | | | | | |
| 22 | 6 6 6 6 | | 6 6 6 | 6 6 6 | 6 6 6 | 6 | | | | | wet 4 4 4 4 4 | | | | | | | | | |
| | 7 7 7 7 | | 7 7 7 | 7 7 7 | 7 7 7 | 7 | | | | | TEXTURE | | | | | | | | | |
| | 8 8 8 8 | | 8 8 8 | 8 8 8 | 8 8 8 | 8 | | | | | (1 each per layer) | | | | | | | | | |
| | 9 9 9 9 | | | | 9 9 9 | 9 | | | | | Texture Grade 1 2 3 4 5 | | | | | | | | | |
| 23 | 1 1 1 1 | 3 B F 2 2 | 2.5 R 8G 17 0 | 2.5 R 8G 17 0 | 0 0 0 | 1 | | | | | sand 1 1 1 1 1 | | | | | | | | | |
| | 2 2 2 2 | 4 C O 3 3 | 7.5 Y P 2.5 2 | 7.5 Y P 2.5 2 | 2 2 2 | 2 | | | | | loamy sand 2 2 2 2 2 | | | | | | | | | |
| | 3 3 3 3 | AB P | 10 N 3 3 | 10 N 3 3 | 3 3 3 | 3 | | | | | clayey sand 3 3 3 3 3 | | | | | | | | | |
| | 4 4 4 4 | AC R | GY 4 4 | GY 4 4 | 4 4 4 | 4 | | | | | sandy loam 4 4 4 4 4 | | | | | | | | | |
| | 5 5 5 5 | BC | G 5 5 | G 5 5 | 5 5 5 | 5 | | | | | loam 5 5 5 5 5 | | | | | | | | | |
| 24 | 6 6 6 6 | | 6 6 6 | 6 6 6 | 6 6 6 | 6 | | | | | silty loam 6 6 6 6 6 | | | | | | | | | |
| | 7 7 7 7 | | 7 7 7 | 7 7 7 | 7 7 7 | 7 | | | | | sandy clay loam 7 7 7 7 7 | | | | | | | | | |
| | 8 8 8 8 | | 8 8 8 | 8 8 8 | 8 8 8 | 8 | | | | | clay loam 8 8 8 8 8 | | | | | | | | | |
| | 9 9 9 9 | | | | 9 9 9 | 9 | | | | | clay loam sandy 9 9 9 9 9 | | | | | | | | | |
| 25 | 1 1 1 1 | 3 B F 2 2 | 2.5 R 8G 17 0 | 2.5 R 8G 17 0 | 0 0 0 | 1 | | | | | silty clay loam 10 10 10 10 10 | | | | | | | | | |
| | 2 2 2 2 | 4 C O 3 3 | 7.5 Y P 2.5 2 | 7.5 Y P 2.5 2 | 2 2 2 | 2 | | | | | sandy clay 11 11 11 11 11 | | | | | | | | | |
| | 3 3 3 3 | AB P | 10 N 3 3 | 10 N 3 3 | 3 3 3 | 3 | | | | | silty clay 12 12 12 12 12 | | | | | | | | | |
| | 4 4 4 4 | AC R | GY 4 4 | GY 4 4 | 4 4 4 | 4 | | | | | clay 13 13 13 13 13 | | | | | | | | | |
| | 5 5 5 5 | BC | G 5 5 | G 5 5 | 5 5 5 | 5 | | | | | fibric peat 14 14 14 14 14 | | | | | | | | | |
| 26 | 6 6 6 6 | | 6 6 6 | 6 6 6 | 6 6 6 | 6 | | | | | hemic peat 15 15 15 15 15 | | | | | | | | | |
| | 7 7 7 7 | | 7 7 7 | 7 7 7 | 7 7 7 | 7 | | | | | sapric peat 16 16 16 16 16 | | | | | | | | | |
| | 8 8 8 8 | | 8 8 8 | 8 8 8 | 8 8 8 | 8 | | | | | Sand Fraction 1 2 3 4 5 | | | | | | | | | |
| | 9 9 9 9 | | | | 9 9 9 | 9 | | | | | coarse 1 1 1 1 1 | | | | | | | | | |
| 27 | 1 1 1 1 | 3 B F 2 2 | 2.5 R 8G 17 0 | 2.5 R 8G 17 0 | 0 0 0 | 1 | | | | | fine 2 2 2 2 2 | | | | | | | | | |
| | 2 2 2 2 | 4 C O 3 3 | 7.5 Y P 2.5 2 | 7.5 Y P 2.5 2 | 2 2 2 | 2 | | | | | Clay Fraction 1 2 3 4 5 | | | | | | | | | |
| | 3 3 3 3 | AB P | 10 N 3 3 | 10 N 3 3 | 3 3 3 | 3 | | | | | light 1 1 1 1 1 | | | | | | | | | |
| | 4 4 4 4 | AC R | GY 4 4 | GY 4 4 | 4 4 4 | 4 | | | | | light medium 2 2 2 2 2 | | | | | | | | | |
| | 5 5 5 5 | BC | G 5 5 | G 5 5 | 5 5 5 | 5 | | | | | medium 3 3 3 3 3 | | | | | | | | | |
| 28 | 6 6 6 6 | | 6 6 6 | 6 6 6 | 6 6 6 | 6 | | | | | medium heavy 4 4 4 4 4 | | | | | | | | | |
| | 7 7 7 7 | | 7 7 7 | 7 7 7 | 7 7 7 | 7 | | | | | heavy 5 5 5 5 5 | | | | | | | | | |
| | 8 8 8 8 | | 8 8 8 | 8 8 8 | 8 8 8 | 8 | | | | | SEGREGATIONS | | | | | | | | | |
| | 9 9 9 9 | | | | 9 9 9 | 9 | | | | | Type (1 per layer) 1 2 3 4 5 | | | | | | | | | |
| 29 | 1 1 1 1 | 3 B F 2 2 | 2.5 R 8G 17 0 | 2.5 R 8G 17 0 | 0 0 0 | 1 | | | | | not evident 1 1 1 1 1 | | | | | | | | | |
| | 2 2 2 2 | 4 C O 3 3 | 7.5 Y P 2.5 2 | 7.5 Y P 2.5 2 | 2 2 2 | 2 | | | | | calcareous 2 2 2 2 2 | | | | | | | | | |
| | 3 3 3 3 | AB P | 10 N 3 3 | 10 N 3 3 | 3 3 3 | 3 | | | | | gypseous 3 3 3 3 3 | | | | | | | | | |
| | 4 4 4 4 | AC R | GY 4 4 | GY 4 4 | 4 4 4 | 4 | | | | | manganiferous 4 4 4 4 4 | | | | | | | | | |
| | 5 5 5 5 | BC | G 5 5 | G 5 5 | 5 5 5 | 5 | | | | | ferruginous 5 5 5 5 5 | | | | | | | | | |
| 30 | 6 6 6 6 | | 6 6 6 | 6 6 6 | 6 6 6 | 6 | | | | | ferromanganiferous 6 6 6 6 6 | | | | | | | | | |
| | 7 7 7 7 | | 7 7 7 | 7 7 7 | 7 7 7 | 7 | | | | | organic 7 7 7 7 7 | | | | | | | | | |
| | 8 8 8 8 | | 8 8 8 | 8 8 8 | 8 8 8 | 8 | | | | | not identified 8 8 8 8 8 | | | | | | | | | |
| | 9 9 9 9 | | | | 9 9 9 | 9 | | | | | other 9 9 9 9 9 | | | | | | | | | |
| 31 | 1 1 1 1 | 3 B F 2 2 | 2.5 R 8G 17 0 | 2.5 R 8G 17 0 | 0 0 0 | 1 | | | | | Amount (1 per layer) 1 2 3 4 5 | | | | | | | | | |
| | 2 2 2 2 | 4 C O 3 3 | 7.5 Y P 2.5 2 | 7.5 Y P 2.5 2 | 2 2 2 | 2 | | | | | none 1 1 1 1 1 | | | | | | | | | |
| | 3 3 3 3 | AB P | 10 N 3 3 | 10 N 3 3 | 3 3 3 | 3 | | | | | very few (<2%) 2 2 2 2 2 | | | | | | | | | |
| | 4 4 4 4 | AC R | GY 4 4 | GY 4 4 | 4 4 4 | 4 | | | | | few (2-10%) 3 3 3 3 3 | | | | | | | | | |
| | 5 5 5 5 | BC | G 5 5 | G 5 5 | 5 5 5 | 5 | | | | | common (10-20%) 4 4 4 4 4 | | | | | | | | | |
| 32 | 6 6 6 6 | | 6 6 6 | 6 6 6 | 6 6 6 | 6 | | | | | many (20-50%) 5 5 5 5 5 | | | | | | | | | |
| | 7 7 7 7 | | 7 7 7 | 7 7 7 | 7 7 7 | 7 | | | | | abundant (>50%) 6 6 6 6 6 | | | | | | | | | |
| | 8 8 8 8 | | 8 8 8 | 8 8 8 | 8 8 8 | 8 | | | | | Strength (1 per layer) 1 2 3 4 5 | | | | | | | | | |
| | 9 9 9 9 | | | | 9 9 9 | 9 | | | | | weak 1 1 1 1 1 | | | | | | | | | |
| 33 | 1 1 1 1 | 3 B F 2 2 | 2.5 R 8G 17 0 | 2.5 R 8G 17 0 | 0 0 0 | 1 | | | | | strong 2 2 2 2 2 | | | | | | | | | |
| | 2 2 2 2 | 4 C O 3 3 | 7.5 Y P 2.5 2 | 7.5 Y P 2.5 2 | 2 2 2 | 2 | | | | | Form (1 per layer) 1 2 3 4 5 | | | | | | | | | |
| | 3 3 3 3 | AB P | 10 N 3 3 | 10 N 3 3 | 3 3 3 | 3 | | | | | soft segregations 1 1 1 1 1 | | | | | | | | | |
| | 4 4 4 4 | AC R | GY 4 4 | GY 4 4 | 4 4 4 | 4 | | | | | nodules 2 2 2 2 2 | | | | | | | | | |
| | 5 5 5 5 | BC | G 5 5 | G | | | | | | | | | | | | | | | | |

SITE LOCATION: SOUTH OF DAM

4626

| | | | | | | | | | | | | | | | | | | | | |
|----|--------------|---|---------|----|------------------------|----|---------------|----|---------------|----|-------------|-----|-----|-----|--------------------------|-----|--------------------------|-----|-----|-----|
| cm | mm | 0 | 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 110 | 120 | 130 | 140 | 150 | 160 | 170 | 180 |
| 1 | LAYER STATUS | | | | COLOUR (Munsell, 1994) | | | | Field pH | | LAYER NOTES | | | | Field pH Test Method (1) | | | | | |
| | Lower | | Horizon | | Moist Munsell | | Dry Munsell | | (1 per layer) | | 1 | | | | Raupach test strip | | pH meter | | | |
| 2 | 1 1 1 1 | | 3 3 3 3 | | 2.5 R 8G 17 0 | | 2.5 R 8G 17 0 | | 0 0 0 | | | | | | no effervescence | | audible/slight efferv. | | | |
| 3 | 2 2 2 2 | | 4 4 4 4 | | 7.5 Y P 2.5 2 | | 7.5 Y P 2.5 2 | | 2 2 2 | | | | | | strong effervescence | | Boundary Distinctiveness | | | |
| 4 | 3 3 3 3 | | AB P | | GY 4 4 | | GY 4 4 | | 4 4 4 | | | | | | (1 per layer) | | 1 2 3 4 5 | | | |
| 5 | 4 4 4 4 | | AC R | | G 5 5 | | G 5 5 | | 5 5 5 | | | | | | not evident | | sharp (<5 mm) | | | |
| 6 | 5 5 5 5 | | BC | | 6 6 6 | | 6 6 6 | | 6 6 6 | | | | | | abrupt (5-20 mm) | | clear (20-50 mm) | | | |
| 7 | 6 6 6 6 | | | | 7 7 7 | | 7 7 7 | | 7 7 7 | | | | | | gradual (50-100 mm) | | diffuse (>100 mm) | | | |
| 8 | 7 7 7 7 | | | | 8 8 8 | | 8 8 8 | | 8 8 8 | | | | | | STRUCTURE | | Grade of Pedality (1) | | | |
| 9 | 8 8 8 8 | | | | 9 9 9 | | 9 9 9 | | 9 9 9 | | | | | | single-grained | | massive | | | |
| 10 | 9 9 9 9 | | | | | | | | | | | | | | weak pedality | | moderate pedality | | | |
| 11 | | | | | | | | | | | | | | | strong pedality | | Fabric (1) | | | |
| 12 | | | | | | | | | | | | | | | sandy | | earthy | | | |
| 13 | | | | | | | | | | | | | | | rough-faced peds | | smooth-faced peds | | | |
| 14 | | | | | | | | | | | | | | | Ped Shape | | Sub-dominant (1) | | | |
| 15 | | | | | | | | | | | | | | | platy | | lenticular | | | |
| 16 | | | | | | | | | | | | | | | prismatic | | columnar | | | |
| 17 | | | | | | | | | | | | | | | angular blocky | | sub-ang. blocky | | | |
| 18 | | | | | | | | | | | | | | | polyhedral | | granular | | | |
| 19 | | | | | | | | | | | | | | | crumb | | round | | | |
| 20 | | | | | | | | | | | | | | | Dominant (1) | | Ped Size | | | |
| 21 | | | | | | | | | | | | | | | 1 2 3 4 5 | | 1 2 3 4 5 | | | |
| 22 | | | | | | | | | | | | | | | <2 mm | | 2-5 mm | | | |
| 23 | | | | | | | | | | | | | | | 5-10 mm | | 10-20 mm | | | |
| 24 | | | | | | | | | | | | | | | 20-50 mm | | 50-100 mm | | | |
| 25 | | | | | | | | | | | | | | | 100-200 mm | | 200-500 mm | | | |
| 26 | | | | | | | | | | | | | | | > 500 mm | | | | | |
| 27 | | | | | | | | | | | | | | | SEGREGATIONS | | Soil Water Status | | | |
| 28 | | | | | | | | | | | | | | | Type (1 per layer) | | 1 2 3 4 5 | | | |
| 29 | | | | | | | | | | | | | | | not evident | | calcareous | | | |
| 30 | | | | | | | | | | | | | | | gypseous | | manganiferous | | | |
| 31 | | | | | | | | | | | | | | | ferruginous | | ferromanganiferous | | | |
| 32 | | | | | | | | | | | | | | | organic | | not identified | | | |
| 33 | | | | | | | | | | | | | | | Amount (1 per layer) | | 1 2 3 4 5 | | | |
| 34 | | | | | | | | | | | | | | | none | | very few (<2%) | | | |
| 35 | | | | | | | | | | | | | | | few (2-10%) | | common (10-20%) | | | |
| 36 | | | | | | | | | | | | | | | many (20-50%) | | abundant (>50%) | | | |
| 37 | | | | | | | | | | | | | | | Strength (1 per layer) | | 1 2 3 4 5 | | | |
| 38 | | | | | | | | | | | | | | | weak | | strong | | | |
| 39 | | | | | | | | | | | | | | | Form (1 per layer) | | 1 2 3 4 5 | | | |
| 40 | | | | | | | | | | | | | | | soft segregations | | nodules | | | |
| 41 | | | | | | | | | | | | | | | fragments | | crystals | | | |
| 42 | | | | | | | | | | | | | | | veins | | concretions | | | |
| 43 | | | | | | | | | | | | | | | root linings | | tubules | | | |
| 44 | | | | | | | | | | | | | | | Size (1 per layer) | | 1 2 3 4 5 | | | |
| 45 | | | | | | | | | | | | | | | fine (<2 mm) | | medium (2-6 mm) | | | |
| 46 | | | | | | | | | | | | | | | coarse (6-20 mm) | | v coarse (20-60 mm) | | | |
| 47 | | | | | | | | | | | | | | | ext coarse (>60 mm) | | | | | |
| 48 | | | | | | | | | | | | | | | SUBSTRATE | | Texture Grade | | | |
| 49 | | | | | | | | | | | | | | | Dominant (1) | | MOTTLES | | | |
| 50 | | | | | | | | | | | | | | | Sub-dominant (1) | | Abundance | | | |
| 51 | | | | | | | | | | | | | | | 1 2 3 4 5 | | 1 2 3 4 5 | | | |
| 52 | | | | | | | | | | | | | | | not evident | | <2% | | | |
| 53 | | | | | | | | | | | | | | | 2-10% | | 10-20% | | | |
| 54 | | | | | | | | | | | | | | | 20-50% | | Colour | | | |
| 55 | | | | | | | | | | | | | | | dark | | red | | | |
| 56 | | | | | | | | | | | | | | | orange | | yellow | | | |
| 57 | | | | | | | | | | | | | | | brown | | pale | | | |
| 58 | | | | | | | | | | | | | | | grey | | grey | | | |
| 59 | | | | | | | | | | | | | | | Contrast | | 1 2 3 4 5 | | | |
| 60 | | | | | | | | | | | | | | | faint | | distinct | | | |
| 61 | | | | | | | | | | | | | | | prominent | | | | | |

SITE LOCATION: OPEN Paddock

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| cm | mm | 0 | 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 110 | 120 | 130 | 140 | 150 | 160 | 170 | 180 |
| 1 | LAYER STATUS | | COLOUR (Munsell, 1994) | | | | Field pH | LAYER NOTES | | | | Field pH Test Method (1) | | | | | | | | |
| | Lower | Horizon | Moist Munsell | | Dry Munsell | (1 per layer) | 1 | | | | | Raupach test strip (3) pH meter (2) | | | | | | | | |
| 2 | 1 1 1 1 1 | 2 2 2 2 2 | 2.5 R 6.5 17 0 | 2.5 R 6.5 17 0 | 0 0 0 | 1 | | | | | HCl (1) | | | | | | | | | |
| 3 | 1 1 1 1 1 | 3 3 3 3 3 | 5 YR 5 2 1 | 5 YR 5 2 1 | 1 1 1 | 1 | | | | | no effervescence (1) (1) (1) (1) (1) audible/slight efferv. (2) (2) (2) (2) (2) strong effervescence (3) (3) (3) (3) (3) | | | | | | | | | |
| 4 | 1 1 1 1 1 | 4 4 4 4 4 | 10 N 3 3 3 | 10 N 3 3 3 | 3 3 3 | 1 | | | | | Boundary Distinctiveness | | | | | | | | | |
| 5 | 1 1 1 1 1 | 5 5 5 5 5 | 5 Y 5 2 2 | 5 Y 5 2 2 | 5 5 5 | 1 | | | | | (1 per layer) 1 2 3 4 5 | | | | | | | | | |
| 6 | 1 1 1 1 1 | 6 6 6 6 6 | 7.5 Y 5 2 2 | 7.5 Y 5 2 2 | 7 7 7 | 1 | | | | | not evident (1) (1) (1) (1) (1) sharp (<5 mm) (2) (2) (2) (2) (2) abrupt (5-20 mm) (3) (3) (3) (3) (3) clear (20-50 mm) (4) (4) (4) (4) (4) gradual (50-100 mm) (5) (5) (5) (5) (5) diffuse (>100 mm) (6) (6) (6) (6) (6) | | | | | | | | | |
| 7 | 1 1 1 1 1 | 7 7 7 7 7 | 10 N 3 3 3 | 10 N 3 3 3 | 3 3 3 | 1 | | | | | STRUCTURE | | | | | | | | | |
| 8 | 1 1 1 1 1 | 8 8 8 8 8 | 5 Y 5 2 2 | 5 Y 5 2 2 | 5 5 5 | 1 | | | | | Grade of Pedality (1) 1 2 3 4 5 | | | | | | | | | |
| 9 | 1 1 1 1 1 | 9 9 9 9 9 | 7.5 Y 5 2 2 | 7.5 Y 5 2 2 | 7 7 7 | 1 | | | | | single-grained (1) (1) (1) (1) (1) massive (2) (2) (2) (2) (2) weak pedality (3) (3) (3) (3) (3) moderate pedality (4) (4) (4) (4) (4) strong pedality (5) (5) (5) (5) (5) | | | | | | | | | |
| 10 | 1 1 1 1 1 | 10 10 10 10 10 | 10 N 3 3 3 | 10 N 3 3 3 | 3 3 3 | 1 | | | | | Fabric (1) 1 2 3 4 5 | | | | | | | | | |
| 11 | 1 1 1 1 1 | 11 11 11 11 11 | 5 Y 5 2 2 | 5 Y 5 2 2 | 5 5 5 | 1 | | | | | sandy (1) (1) (1) (1) (1) earthy (2) (2) (2) (2) (2) rough-faced peds (3) (3) (3) (3) (3) smooth-faced peds (4) (4) (4) (4) (4) | | | | | | | | | |
| 12 | 1 1 1 1 1 | 12 12 12 12 12 | 7.5 Y 5 2 2 | 7.5 Y 5 2 2 | 7 7 7 | 1 | | | | | Dominant (1) 1 2 3 4 5 | | | | | | | | | |
| 13 | 1 1 1 1 1 | 13 13 13 13 13 | 10 N 3 3 3 | 10 N 3 3 3 | 3 3 3 | 1 | | | | | Ped Shape 1 2 3 4 5 | | | | | | | | | |
| 14 | 1 1 1 1 1 | 14 14 14 14 14 | 5 Y 5 2 2 | 5 Y 5 2 2 | 5 5 5 | 1 | | | | | Sub-dominant (1) 1 2 3 4 5 | | | | | | | | | |
| 15 | 1 1 1 1 1 | 15 15 15 15 15 | 7.5 Y 5 2 2 | 7.5 Y 5 2 2 | 7 7 7 | 1 | | | | | platy (1) (1) (1) (1) (1) lenticular (2) (2) (2) (2) (2) prismatic (3) (3) (3) (3) (3) columnar (4) (4) (4) (4) (4) angular blocky (5) (5) (5) (5) (5) sub-ang. blocky (6) (6) (6) (6) (6) polyhedral (7) (7) (7) (7) (7) granular (8) (8) (8) (8) (8) crumb (9) (9) (9) (9) (9) round (10) (10) (10) (10) (10) | | | | | | | | | |
| 16 | 1 1 1 1 1 | 16 16 16 16 16 | 10 N 3 3 3 | 10 N 3 3 3 | 3 3 3 | 1 | | | | | Dominant (1) 1 2 3 4 5 | | | | | | | | | |
| 17 | 1 1 1 1 1 | 17 17 17 17 17 | 5 Y 5 2 2 | 5 Y 5 2 2 | 5 5 5 | 1 | | | | | Ped Size 1 2 3 4 5 | | | | | | | | | |
| 18 | 1 1 1 1 1 | 18 18 18 18 18 | 7.5 Y 5 2 2 | 7.5 Y 5 2 2 | 7 7 7 | 1 | | | | | <2 mm (1) (1) (1) (1) (1) 2-5 mm (2) (2) (2) (2) (2) 5-10 mm (3) (3) (3) (3) (3) 10-20 mm (4) (4) (4) (4) (4) 20-50 mm (5) (5) (5) (5) (5) 50-100 mm (6) (6) (6) (6) (6) 100-200 mm (7) (7) (7) (7) (7) 200-500 mm (8) (8) (8) (8) (8) > 500 mm (9) (9) (9) (9) (9) | | | | | | | | | |
| 19 | 1 1 1 1 1 | 19 19 19 19 19 | 10 N 3 3 3 | 10 N 3 3 3 | 3 3 3 | 1 | | | | | SEGREGATIONS | | | | | | | | | |
| 20 | 1 1 1 1 1 | 20 20 20 20 20 | 5 Y 5 2 2 | 5 Y 5 2 2 | 5 5 5 | 1 | | | | | Soil Water Status (1 each per layer) 1 2 3 4 5 | | | | | | | | | |
| 21 | 1 1 1 1 1 | 21 21 21 21 21 | 7.5 Y 5 2 2 | 7.5 Y 5 2 2 | 7 7 7 | 1 | | | | | dry (1) (1) (1) (1) (1) mod. moist (2) (2) (2) (2) (2) moist (3) (3) (3) (3) (3) wet (4) (4) (4) (4) (4) | | | | | | | | | |
| 22 | 1 1 1 1 1 | 22 22 22 22 22 | 10 N 3 3 3 | 10 N 3 3 3 | 3 3 3 | 1 | | | | | TEXTURE (1 each per layer) | | | | | | | | | |
| 23 | 1 1 1 1 1 | 23 23 23 23 23 | 5 Y 5 2 2 | 5 Y 5 2 2 | 5 5 5 | 1 | | | | | Texture Grade 1 2 3 4 5 | | | | | | | | | |
| 24 | 1 1 1 1 1 | 24 24 24 24 24 | 7.5 Y 5 2 2 | 7.5 Y 5 2 2 | 7 7 7 | 1 | | | | | sand (1) (1) (1) (1) (1) loamy sand (2) (2) (2) (2) (2) clayey sand (3) (3) (3) (3) (3) sandy loam (4) (4) (4) (4) (4) loam (5) (5) (5) (5) (5) silty loam (6) (6) (6) (6) (6) sandy clay loam (7) (7) (7) (7) (7) clay loam (8) (8) (8) (8) (8) clay loam sandy (9) (9) (9) (9) (9) silty clay loam (10) (10) (10) (10) (10) | | | | | | | | | |
| 25 | 1 1 1 1 1 | 25 25 25 25 25 | 10 N 3 3 3 | 10 N 3 3 3 | 3 3 3 | 1 | | | | | Amount (1 per layer) 1 2 3 4 5 | | | | | | | | | |
| 26 | 1 1 1 1 1 | 26 26 26 26 26 | 5 Y 5 2 2 | 5 Y 5 2 2 | 5 5 5 | 1 | | | | | none (1) (1) (1) (1) (1) very few (<2%) (2) (2) (2) (2) (2) few (2-10%) (3) (3) (3) (3) (3) common (10-20%) (4) (4) (4) (4) (4) many (20-50%) (5) (5) (5) (5) (5) abundant (>50%) (6) (6) (6) (6) (6) | | | | | | | | | |
| 27 | 1 1 1 1 1 | 27 27 27 27 27 | 7.5 Y 5 2 2 | 7.5 Y 5 2 2 | 7 7 7 | 1 | | | | | Strength (1 per layer) 1 2 3 4 5 | | | | | | | | | |
| 28 | 1 1 1 1 1 | 28 28 28 28 28 | 10 N 3 3 3 | 10 N 3 3 3 | 3 3 3 | 1 | | | | | weak (1) (1) (1) (1) (1) strong (2) (2) (2) (2) (2) | | | | | | | | | |
| 29 | 1 1 1 1 1 | 29 29 29 29 29 | 5 Y 5 2 2 | 5 Y 5 2 2 | 5 5 5 | 1 | | | | | Form (1 per layer) 1 2 3 4 5 | | | | | | | | | |
| | | | | | | | | | | | soft segregations (1) (1) (1) (1) (1) nodules (2) (2) (2) (2) (2) fragments (3) (3) (3) (3) (3) crystals (4) (4) (4) (4) (4) veins (5) (5) (5) (5) (5) concretions (6) (6) (6) (6) (6) root linings (7) (7) (7) (7) (7) tubules (8) (8) (8) (8) (8) | | | | | | | | | |
| | | | | | | | | | | | Size (1 per layer) 1 2 3 4 5 | | | | | | | | | |
| | | | | | | | | | | | fine (<2 mm) (1) (1) (1) (1) (1) medium (2-6 mm) (2) (2) (2) (2) (2) coarse (6-20 mm) (3) (3) (3) (3) (3) v coarse (20-60 mm) (4) (4) (4) (4) (4) ext coarse (>60 mm) (5) (5) (5) (5) (5) | | | | | | | | | |
| | | | | | | | | | | | Sand Fraction 1 2 3 4 5 | | | | | | | | | |
| | | | | | | | | | | | coarse (1) (1) (1) (1) (1) fine (2) (2) (2) (2) (2) | | | | | | | | | |
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| | | | | | | | | | | | light (1) (1) (1) (1) (1) light medium (2) (2) (2) (2) (2) medium (3) (3) (3) (3) (3) medium heavy (4) (4) (4) (4) (4) heavy (5) (5) (5) (5) (5) | | | | | | | | | |

SURVEY TITLE: R I X S C R E E K B S A L

SITE LOCATION: O P E N P A D D O C K

| PROFILE MAP DETAILS | | | | SURVEY DETAILS | | | |
|---|---------------|-----------------------------|-----------|--|--------------|-----------------|---------------|
| Profile No. | Map Sheet No. | Eastings | Northings | Described By | Profile Date | Photo Taken (1) | No. of Layers |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| Potential BSAL? (1) | | | | Site type (1) | | | |
| yes (1) no (2) | | | | checked (1) detailed (2) exclusion (3) | | | |
| BIOPHYSICAL STRATEGIC AGRICULTURAL LAND SOIL DATA CARD | | | | | | | |
| SOIL TYPE | | VEGETATION | | LANDFORM ELEMENT (1) | | | |
| A.S.C. | | Vegetation Community (1) | | alcove (43) cone (3) footslope (21) ox-bow (57) sink hole/doline (52) | | | |
| O | | unknown (1) | | backplain (41) crater (51) foredune (12) pan/playa (55) stream channel (46) | | | |
| SO | | rainforest (2) | | bank (25) cut face (28) gully (42) pediment (22) streambed (45) | | | |
| D | | wet sclerophyll forest (3) | | bar (5) cut-over surface (39) hillcrest (1) pit (60) summit surface (2) | | | |
| GG | | dry sclerophyll forest (4) | | beach (26) dam (16) hillslope (49) plain (30) swale (47) | | | |
| S | | woodland grass u'storey (5) | | beach ridge (7) drainage depression (41) lagoon (54) prior stream (9) swamp (58) | | | |
| SG | | woodland shrub u'storey (6) | | bench (19) dune (11) lake (55) rock flat (34) talus (23) | | | |
| F | | tall shrubland (7) | | berm (29) embankment (14) landslide (20) rock platform (35) tidal creek (48) | | | |
| E | | low shrubland (8) | | blow-out (59) estuary (44) levee (8) scald (36) tidal flat (37) | | | |
| C | | heath (9) | | channel bench (33) fan (27) lunette (13) scarp (18) tor (4) | | | |
| W | | grassland/herbland (10) | | cirque (50) fill top (40) maar (53) scree (24) trench (49) | | | |
| O | | swamp complex (11) | | cliff (5) flood-out (32) mound (15) scroll (10) valley flat (38) | | | |
| L | | littoral complex (12) | | | | | |
| N | | no vegetation (13) | | | | | |
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|----|--------------|-----------|------------------------|---------------|---------------|----|----------|-------------|----|----|--|--------------------------|-----|-----|-----|-----|-----|-----|-----|-----|
| cm | mm | 0 | 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 110 | 120 | 130 | 140 | 150 | 160 | 170 | 180 |
| 1 | LAYER STATUS | | COLOUR (Munsell, 1994) | | | | Field pH | LAYER NOTES | | | | Field pH Test Method (1) | | | | | | | | |
| | Lower | Horizon | Moist Munsell | Dry Munsell | (1 per layer) | 1 | | | | | Raupach (1) test strip (3) pH meter (2) | | | | | | | | | |
| 2 | 1 1 1 1 1 | 3 B F 2 2 | 5 YR B 2 1 | 5 YR B 2 1 | 1 1 1 | 1 | | | | | HCl (1) | | | | | | | | | |
| | 2 2 2 2 2 | 4 C O 3 3 | 7.5 Y P 2.5 2 | 7.5 Y P 2.5 2 | 2 2 | 2 | | | | | no effervescence (1 1 1 1 1) audible/slight efferv. (2 2 2 2 2) strong effervescence (3 3 3 3 3) | | | | | | | | | |
| 3 | 3 3 3 3 3 | AB P | 10 N 3 3 | 10 N 3 3 | 3 3 | 3 | | | | | Boundary Distinctiveness | | | | | | | | | |
| | 4 4 4 4 4 | AC R | GY 4 4 | GY 4 4 | 4 4 | 4 | | | | | (1 per layer) 1 2 3 4 5 | | | | | | | | | |
| | 5 5 5 5 5 | BC | G 5 5 | G 5 5 | 5 5 | 5 | | | | | not evident (1 1 1 1 1) sharp (<5 mm) (2 2 2 2 2) abrupt (5-20 mm) (3 3 3 3 3) clear (20-50 mm) (4 4 4 4 4) gradual (50-100 mm) (5 5 5 5 5) diffuse (>100 mm) (6 6 6 6 6) | | | | | | | | | |
| 4 | 6 6 6 6 6 | | | | 6 6 | 6 | | | | | STRUCTURE | | | | | | | | | |
| | 7 7 7 7 7 | | | | 7 7 | 7 | | | | | Grade of Pedality (1) 1 2 3 4 5 | | | | | | | | | |
| | 8 8 8 8 8 | | | | 8 8 | 8 | | | | | single-grained (1 1 1 1 1) massive (2 2 2 2 2) weak pedality (3 3 3 3 3) moderate pedality (4 4 4 4 4) strong pedality (5 5 5 5 5) | | | | | | | | | |
| 5 | 9 9 9 9 9 | | | | 9 9 | 9 | | | | | Fabric (1) 1 2 3 4 5 | | | | | | | | | |
| 6 | 1 1 1 1 1 | 3 B F 2 2 | 5 YR B 2 1 | 5 YR B 2 1 | 1 1 1 | 1 | | | | | sandy (1 1 1 1 1) earthy (2 2 2 2 2) rough-faced peds (3 3 3 3 3) smooth-faced peds (4 4 4 4 4) | | | | | | | | | |
| 7 | 2 2 2 2 2 | 4 C O 3 3 | 7.5 Y P 2.5 2 | 7.5 Y P 2.5 2 | 2 2 | 2 | | | | | Dominant (1) Ped Shape Sub-dominant (1) | | | | | | | | | |
| 8 | 3 3 3 3 3 | AB P | 10 N 3 3 | 10 N 3 3 | 3 3 | 3 | | | | | 1 2 3 4 5 1 2 3 4 5 | | | | | | | | | |
| 9 | 4 4 4 4 4 | AC R | GY 4 4 | GY 4 4 | 4 4 | 4 | | | | | platy (1 1 1 1 1) lenticular (2 2 2 2 2) prismatic (3 3 3 3 3) columnar (4 4 4 4 4) angular blocky (5 5 5 5 5) sub-ang. blocky (6 6 6 6 6) polyhedral (7 7 7 7 7) granular (8 8 8 8 8) crumb (9 9 9 9 9) round (10 10 10 10 10) | | | | | | | | | |
| 10 | 5 5 5 5 5 | BC | G 5 5 | G 5 5 | 5 5 | 5 | | | | | Dominant (1) Ped Size Sub-dominant (1) | | | | | | | | | |
| 11 | 6 6 6 6 6 | | | | 6 6 | 6 | | | | | 1 2 3 4 5 1 2 3 4 5 | | | | | | | | | |
| 12 | 7 7 7 7 7 | | | | 7 7 | 7 | | | | | <2 mm (1 1 1 1 1) 2-5 mm (2 2 2 2 2) 5-10 mm (3 3 3 3 3) 10-20 mm (4 4 4 4 4) 20-50 mm (5 5 5 5 5) 50-100 mm (6 6 6 6 6) 100-200 mm (7 7 7 7 7) 200-500 mm (8 8 8 8 8) > 500 mm (9 9 9 9 9) | | | | | | | | | |
| 13 | 8 8 8 8 8 | | | | 8 8 | 8 | | | | | SEGREGATIONS | | | | | | | | | |
| 14 | 9 9 9 9 9 | | | | 9 9 | 9 | | | | | Soil Water Status (1 each per layer) | | | | | | | | | |
| 15 | 1 1 1 1 1 | 3 B F 2 2 | 5 YR B 2 1 | 5 YR B 2 1 | 1 1 1 | 1 | | | | | Type (1 per layer) 1 2 3 4 5 | | | | | | | | | |
| 16 | 2 2 2 2 2 | 4 C O 3 3 | 7.5 Y P 2.5 2 | 7.5 Y P 2.5 2 | 2 2 | 2 | | | | | not evident (1 1 1 1 1) calcareous (2 2 2 2 2) gypseous (3 3 3 3 3) manganiferous (4 4 4 4 4) ferruginous (5 5 5 5 5) ferromanganiferous (6 6 6 6 6) organic (7 7 7 7 7) not identified (8 8 8 8 8) other (9 9 9 9 9) | | | | | | | | | |
| 17 | 3 3 3 3 3 | AB P | 10 N 3 3 | 10 N 3 3 | 3 3 | 3 | | | | | Amount (1 per layer) 1 2 3 4 5 | | | | | | | | | |
| 18 | 4 4 4 4 4 | AC R | GY 4 4 | GY 4 4 | 4 4 | 4 | | | | | none (1 1 1 1 1) very few (<2%) (2 2 2 2 2) few (2-10%) (3 3 3 3 3) common (10-20%) (4 4 4 4 4) many (20-50%) (5 5 5 5 5) abundant (>50%) (6 6 6 6 6) | | | | | | | | | |
| 19 | 5 5 5 5 5 | BC | G 5 5 | G 5 5 | 5 5 | 5 | | | | | Strength (1 per layer) 1 2 3 4 5 | | | | | | | | | |
| 20 | 6 6 6 6 6 | | | | 6 6 | 6 | | | | | weak (1 1 1 1 1) strong (2 2 2 2 2) | | | | | | | | | |
| 21 | 7 7 7 7 7 | | | | 7 7 | 7 | | | | | Form (1 per layer) 1 2 3 4 5 | | | | | | | | | |
| 22 | 8 8 8 8 8 | | | | 8 8 | 8 | | | | | soft segregations (1 1 1 1 1) nodules (2 2 2 2 2) fragments (3 3 3 3 3) crystals (4 4 4 4 4) veins (5 5 5 5 5) concretions (6 6 6 6 6) root linings (7 7 7 7 7) tubules (8 8 8 8 8) | | | | | | | | | |
| 23 | 9 9 9 9 9 | | | | 9 9 | 9 | | | | | Size (1 per layer) 1 2 3 4 5 | | | | | | | | | |
| 24 | 1 1 1 1 1 | 3 B F 2 2 | 5 YR B 2 1 | 5 YR B 2 1 | 1 1 1 | 1 | | | | | fine (<2 mm) (1 1 1 1 1) medium (2-6 mm) (2 2 2 2 2) coarse (6-20 mm) (3 3 3 3 3) v coarse (20-60 mm) (4 4 4 4 4) ext coarse (>60 mm) (5 5 5 5 5) | | | | | | | | | |
| 25 | 2 2 2 2 2 | 4 C O 3 3 | 7.5 Y P 2.5 2 | 7.5 Y P 2.5 2 | 2 2 | 2 | | | | | Texture (1 each per layer) | | | | | | | | | |
| 26 | 3 3 3 3 3 | AB P | 10 N 3 3 | 10 N 3 3 | 3 3 | 3 | | | | | Texture Grade 1 2 3 4 5 | | | | | | | | | |
| 27 | 4 4 4 4 4 | AC R | GY 4 4 | GY 4 4 | 4 4 | 4 | | | | | sand (1 1 1 1 1) loamy sand (2 2 2 2 2) clayey sand (3 3 3 3 3) sandy loam (4 4 4 4 4) loam (5 5 5 5 5) silty loam (6 6 6 6 6) sandy clay loam (7 7 7 7 7) clay loam (8 8 8 8 8) clay loam sandy (9 9 9 9 9) silty clay loam (10 10 10 10 10) | | | | | | | | | |
| 28 | 5 5 5 5 5 | BC | G 5 5 | G 5 5 | 5 5 | 5 | | | | | sandy clay (1 1 1 1 1) silty clay (2 2 2 2 2) clay (3 3 3 3 3) | | | | | | | | | |
| 29 | 6 6 6 6 6 | | | | 6 6 | 6 | | | | | Sand Fraction 1 2 3 4 5 | | | | | | | | | |
| | 7 7 7 7 7 | | | | 7 7 | 7 | | | | | coarse (1 1 1 1 1) fine (2 2 2 2 2) | | | | | | | | | |
| | 8 8 8 8 8 | | | | 8 8 | 8 | | | | | Clay Fraction 1 2 3 4 5 | | | | | | | | | |
| | 9 9 9 9 9 | | | | 9 9 | 9 | | | | | light (1 1 1 1 1) light medium (2 2 2 2 2) medium (3 3 3 3 3) medium heavy (4 4 4 4 4) heavy (5 5 5 5 5) | | | | | | | | | |
| | 1 1 1 1 1 | 3 B F 2 2 | 5 YR B 2 1 | 5 YR B 2 1 | 1 1 1 | 1 | | | | | SUBSTRATE | | | | | | | | | |
| | 2 2 2 2 2 | 4 C O 3 3 | 7.5 Y P 2.5 2 | 7.5 Y P 2.5 2 | 2 2 | 2 | | | | | Upper | | | | | | | | | |
| | 3 3 3 3 3 | AB P | 10 N 3 3 | 10 N 3 3 | 3 3 | 3 | | | | | (3 per layer) 1 2 3 4 5 | | | | | | | | | |
| | 4 4 4 4 4 | AC R | GY 4 4 | GY 4 4 | 4 4 | 4 | | | | | Type (1 per layer) Sur 1 2 3 4 5 | | | | | | | | | |
| | 5 5 5 5 5 | BC | G 5 5 | G 5 5 | 5 5 | 5 | | | | | not evident (1 1 1 1 1) not identified (2 2 2 2 2) as substrate (3 3 3 3 3) as rock outcrop (4 4 4 4 4) as parent material (5 5 5 5 5) quartz (6 6 6 6 6) feldspar (7 7 7 7 7) silcrete (8 8 8 8 8) ironstone (9 9 9 9 9) bauxite (10 10 10 10 10) shells (11 11 11 11 11) charcoal (12 12 12 12 12) pumice (13 13 13 13 13) opalised wood (14 14 14 14 14) other (15 15 15 15 15) | | | | | | | | | |
| | 6 6 6 6 6 | | | | 6 6 | 6 | | | | | Amount (1 per layer) Sur. 1 2 3 4 5 | | | | | | | | | |
| | 7 7 7 7 7 | | | | 7 7 | 7 | | | | | very few (<2%) (2 2 2 2 2) few (2-10%) (3 3 3 3 3) common (10-20%) (4 4 4 4 4) many (20-50%) (5 5 5 5 5) abundant (50-90%) (6 6 6 6 6) very abundant (>90%) (7 7 7 7 7) | | | | | | | | | |
| | 8 8 8 8 8 | | | | 8 8 | 8 | | | | | Size (1 per layer) Sur. 1 2 3 4 5 | | | | | | | | | |
| | 9 9 9 9 9 | | | | 9 9 | 9 | | | | | fine gravel (2-6 mm) (1 1 1 1 1) gravel (6-20 mm) (2 2 2 2 2) coarse gravel (20-60 mm) (3 3 3 3 3) cobbles (60-200 mm) (4 4 4 4 4) stones (200-600 mm) (5 5 5 5 5) boulders (>600 mm) (6 6 6 6 6) | | | | | | | | | |
| | 1 1 1 1 1 | 3 B F 2 2 | 5 YR B 2 1 | 5 YR B 2 1 | 1 1 1 | 1 | | | | | COARSE FRAGMENTS | | | | | | | | | |
| | 2 2 2 2 2 | 4 C O 3 3 | 7.5 Y P 2.5 2 | 7.5 Y P 2.5 2 | 2 2 | 2 | | | | | Type (1 per layer) Sur 1 2 3 4 5 | | | | | | | | | |
| | 3 3 3 3 3 | AB P | 10 N 3 3 | 10 N 3 3 | 3 3 | 3 | | | | | not evident (1 1 1 1 1) not identified (2 2 2 2 2) as substrate (3 3 3 3 3) as rock outcrop (4 4 4 4 4) as parent material (5 5 5 5 5) quartz (6 6 6 6 6) feldspar (7 7 7 7 7) silcrete (8 8 8 8 8) ironstone (9 9 9 9 9) bauxite (10 10 10 10 10) shells (11 11 11 11 11) charcoal (12 12 12 12 12) pumice (13 13 13 13 13) opalised wood (14 14 14 14 14) other (15 15 15 15 15) | | | | | | | | | |
| | 4 4 4 4 4 | AC R | GY 4 4 | GY 4 4 | 4 4 | 4 | | | | | Amount (1 per layer) Sur. 1 2 3 4 5 | | | | | | | | | |
| | 5 5 5 5 5 | BC | G 5 5 | G 5 5 | 5 5 | 5 | | | | | very few (<2%) (2 2 2 2 2) few (2-10%) (3 3 3 3 3) common (10-20%) (4 4 4 4 4) many (20-50%) (5 5 5 5 5) abundant (50-90%) (6 6 6 6 6) very abundant (>90%) (7 7 7 7 7) | | | | | | | | | |
| | 6 6 6 6 6 | | | | 6 6 | 6 | | | | | Size (1 per layer) Sur. 1 2 3 4 5 | | | | | | | | | |
| | 7 7 7 7 7 | | | | 7 7 | 7 | | | | | fine gravel (2-6 mm) (1 1 1 1 1) gravel (6-20 mm) (2 2 2 2 2) coarse gravel (20-60 mm) (3 3 3 3 3) cobbles (60-200 mm) (4 4 4 4 4) stones (200-600 mm) (5 5 5 5 5) boulders (>600 mm) (6 6 6 6 6) | | | | | | | | | |
| | 8 8 8 8 8 | | | | 8 8 | 8 | | | | | COARSE FRAGMENTS | | | | | | | | | |
| | 9 9 9 9 9 | | | | 9 9 | 9 | | | | | Type (1 per layer) Sur 1 2 3 4 5 | | | | | | | | | |
| | 1 1 1 1 1 | 3 B F 2 2 | 5 YR B 2 1 | 5 YR B 2 1 | 1 1 1 | 1 | | | | | not evident (1 1 1 1 1) not identified (2 2 2 2 2) as substrate (3 3 3 3 3) as rock outcrop (4 4 4 4 4) as parent material (5 5 5 5 5) quartz (6 6 6 6 6) feldspar (7 7 7 7 7) silcrete (8 8 8 8 8) ironstone (9 9 9 9 9) bauxite (10 10 10 10 10) shells (11 11 11 11 11) charcoal (12 12 12 12 12) pumice (13 13 13 13 13) opalised wood (14 14 14 14 14) other (15 15 15 15 15) | | | | | | | | | |
| | 2 2 2 2 2 | 4 C O 3 3 | 7.5 Y P 2.5 2 | 7.5 Y P 2.5 2 | 2 2 | 2 | | | | | Amount (1 per layer) Sur. 1 2 3 4 5 | | | | | | | | | |
| | 3 3 3 3 3 | AB P | 10 N 3 3 | 10 N 3 3 | 3 3 | 3 | | | | | very few (<2%) (2 2 2 2 2) few (2-10%) (3 3 3 3 3) common (10-20%) (4 4 4 4 4) many (20-50%) (5 5 5 5 5) abundant (50-90%) (6 6 6 6 6) very abundant (>90%) (7 7 7 7 7) | | | | | | | | | |
| | 4 4 4 4 4 | AC R | GY 4 4 | GY 4 4 | 4 4 | 4 | | | | | Size (1 per layer) Sur. 1 2 3 4 5 | | | | | | | | | |
| | 5 5 5 5 5 | BC | G 5 5 | G 5 5 | 5 5 | 5 | | | | | fine gravel (2-6 mm) (1 1 1 1 1) gravel (6-20 mm) (2 2 2 2 2) coarse gravel (20-60 mm) (3 3 3 3 3) cobbles (60-200 mm) (4 4 4 4 4) stones (200-600 mm) (5 5 5 5 5) boulders (>600 mm) (6 6 6 6 6) | | | | | | | | | |
| | 6 6 6 6 6 | | | | 6 6 | 6 | | | | | COARSE FRAGMENTS | | | | | | | | | |
| | 7 7 7 7 7 | | | | 7 7 | 7 | | | | | Type (1 per layer) Sur 1 2 3 4 5 | | | | | | | | | |
| | 8 8 8 8 8 | | | | 8 8 | 8 | | | | | not evident (1 1 1 1 1) not identified (2 2 2 2 2) as substrate (3 3 3 3 3) as rock outcrop (4 4 4 4 4) as parent material (5 5 5 5 5) quartz (6 6 6 6 6) feldspar (7 7 7 7 7) silcrete (8 8 8 8 8) ironstone (9 9 9 9 9) bauxite (10 10 10 10 10) shells (11 11 11 11 11) charcoal (12 12 12 12 12) pumice (13 13 13 13 13) opalised wood (14 14 14 14 14) other (15 15 15 15 15) | | | | | | | | | |
| | 9 9 9 9 9 | | | | 9 9 | 9 | | | | | Amount (1 per layer) Sur. 1 2 3 4 5 | | | | | | | | | |
| | 1 1 1 1 1 | 3 B F 2 2 | 5 YR B 2 1 | 5 YR B 2 1 | 1 1 1 | 1 | | | | | very few (<2%) (2 2 2 2 2) few (2-10%) (3 3 3 3 3) common (10-20%) (4 4 4 4 4) many (20-50%) (5 5 5 5 5) abundant (50-90%) (6 6 6 6 6) very abundant (>90%) (7 7 7 7 7) | | | | | | | | | |
| | 2 2 2 2 2 | 4 C O 3 3 | 7.5 Y P 2.5 2 | 7.5 Y P 2.5 2 | 2 2 | 2 | | | | | Size (1 per layer) Sur. 1 2 3 4 5 | | | | | | | | | |
| | 3 3 3 3 3 | AB P | 10 N 3 3 | 10 N 3 3 | 3 3 | 3 | | | | | fine gravel (2-6 mm) (1 1 1 1 1) gravel (6-20 mm) (2 2 2 2 2) coarse gravel (20-60 mm) (3 3 3 3 3) cobbles (60-200 mm) (4 4 4 4 4) stones (200-600 mm) (5 5 5 5 5) boulders (>600 mm) (6 6 6 6 6) | | | | | | | | | |
| | 4 4 4 4 4 | AC R | GY 4 4 | GY 4 4 | 4 4 | 4 | | | | | COARSE FRAGMENTS | | | | | | | | | |
| | 5 5 5 5 5 | BC | G 5 5 | G 5 5 | 5 5 | 5 | | | | | Type (1 per layer) Sur 1 2 3 4 5 | | | | | | | | | |
| | 6 6 6 6 6 | | | | 6 6 | 6 | | | | | not evident (1 1 1 1 1) not identified (2 2 2 2 2) as substrate (3 3 3 3 3) as rock outcrop (4 4 4 4 4) as parent material (5 5 5 5 5) quartz (6 6 6 6 6) feldspar (7 7 7 7 7) silcrete (8 8 8 8 8) ironstone (9 9 9 9 9) bauxite (10 10 10 10 10) shells (11 11 11 11 11) charcoal (12 12 12 12 12) pumice (13 13 13 13 13) opalised wood (14 14 14 14 14) other (15 15 15 15 15) | | | | | | | | | |
| | 7 7 7 7 7 | | | | 7 7 | 7 | | | | | Amount (1 per layer) Sur. 1 2 3 4 5 | | | | | | | | | |
| | 8 8 8 8 8 | | | | 8 8 | 8 | | | | | very few (<2%) (2 2 2 2 2) few (2-10%) (3 3 3 3 3) common (10-20%) (4 4 4 4 4) many (20-50%) (5 5 5 5 5) abundant (50-90%) (6 6 6 6 6) very abundant (>90%) (7 7 7 7 7) | | | | | | | | | |
| | 9 9 9 9 9 | | | | 9 9 | 9 | | | | | Size (1 per layer) Sur. 1 2 3 4 5 | | | | | | | | | |
| | 1 1 1 1 1 | 3 B F 2 2 | 5 YR B 2 1 | 5 YR B 2 1 | 1 1 1 | 1 | | | | | fine gravel (2-6 mm) (1 1 1 1 1) gravel (6-20 mm) (2 2 2 2 2) coarse gravel (20-60 mm) (3 3 3 3 3) cobbles (60-200 mm) (4 4 4 4 4) stones (200-600 mm) (5 5 5 5 5) boulders (>600 mm) (6 6 6 6 6) | | | | | | | | | |
| | 2 2 2 2 2 | 4 C O 3 3 | 7.5 Y P 2.5 2 | 7.5 Y P 2.5 2 | 2 2 | 2 | | | | | COARSE FRAGMENTS | | | | | | | | | |
| | 3 3 3 3 3 | AB P | 10 N 3 3 | 10 N 3 3 | 3 3 | 3 | | | | | Type (1 per layer) Sur 1 2 3 4 5 | | | | | | | | | |
| | 4 4 4 4 4 | AC R | GY 4 4 | GY 4 4 | 4 4 | 4 | | | | | not evident (1 1 1 1 1) not identified (2 2 2 2 2) as substrate (3 3 3 3 3) as rock outcrop (4 4 4 4 4) as parent material (5 5 5 5 5) quartz (6 6 6 6 6) feldspar (7 7 7 7 7) silcrete (8 8 8 8 8) ironstone (9 9 9 9 9) bauxite (10 10 10 10 10) shells (11 11 11 11 11) charcoal (12 12 12 12 12) pumice (13 13 13 13 13) opalised wood (14 14 14 14 14) other (15 15 15 15 15) | | | | | | | | | |
| | 5 5 5 5 5 | BC | G 5 5 | G 5 5 | 5 5 | 5 | | | | | Amount (1 per layer) Sur. 1 2 3 4 5 | | | | | | | | | |
| | 6 6 6 6 6 | | | | 6 6 | 6 | | | | | very few (<2%) (2 2 2 2 2) few (2-10%) (3 3 3 3 3) common (10-20%) (4 4 4 4 4) many (20-50%) (5 5 5 5 5) abundant (50-90%) (6 6 6 6 6) very abundant (>90%) (7 7 7 7 7) | | | | | | | | | |
| | 7 7 7 7 7 | | | | 7 7 | 7 | | | | | Size (1 per layer) Sur. 1 2 3 4 5 | | | | | | | | | |
| | 8 8 8 8 8 | | | | 8 8 | 8 | | | | | fine gravel (2-6 mm) (1 1 1 1 1) gravel (6-20 mm) (2 2 2 2 2) coarse gravel (20-60 mm) (3 3 3 3 3) cobbles (60-200 mm) (4 4 4 4 4) stones (200-600 mm) (5 5 5 5 5) boulders (>600 mm) (6 6 6 6 6) | | | | | | | | | |
| | 9 9 9 9 9 | | | | 9 9 | 9 | | | | | COARSE FRAGMENTS | | | | | | | | | |
| | 1 1 1 1 1 | 3 B F 2 2 | 5 YR B 2 1 | 5 YR B 2 1 | 1 1 1 | 1 | | | | | Type (1 per layer) Sur 1 2 3 4 5 | | | | | | | | | |
| | 2 2 2 2 2 | 4 C O 3 3 | 7.5 Y P 2.5 2 | 7.5 Y P 2.5 2 | 2 2 | 2 | | | | | not evident (1 1 1 1 1) not identified (2 2 2 2 2) as substrate (3 3 3 3 3) as rock outcrop (4 4 4 4 4) as parent material (5 5 5 5 5) quartz (6 6 6 6 6) feldspar (7 7 7 7 7) silcrete (8 8 8 8 8) ironstone (9 9 9 9 9) bauxite (10 10 10 10 10) shells (11 11 11 11 11) charcoal (12 12 12 12 12) pumice (13 13 13 13 13) opalised wood (14 14 14 14 14) other (15 15 15 15 15) | | | | | | | | | |
| | 3 3 3 3 3 | AB P | 10 N 3 3 | 10 N 3 3 | 3 3 | 3 | | | | | Amount (1 per layer) Sur. 1 2 3 4 5 | | | | | | | | | |
| | 4 4 4 4 4 | AC R | GY 4 4 | GY 4 4 | 4 4 | 4 | | | | | very few (<2%) (2 2 2 2 2) few (2-10%) (3 3 3 3 3) common (10-20%) (4 4 4 4 4) many (20-50%) (5 5 5 5 5) abundant (50-90%) (6 6 6 6 6) very | | | | | | | | | |

SITE LOCATION: OPEN Paddock

| Current (2) | Expected | |
|-------------|----------|-----|
| | Wet (2) | Dry |

| | | | | | | | | | | | | | | | | | | | | |
|----|--------------|---------|------------------------|-------------|---------------|----|----------|-------------|----|----|---|--------------------------|-----|-----|-----|-----|-----|-----|-----|-----|
| cm | mm | 0 | 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 110 | 120 | 130 | 140 | 150 | 160 | 170 | 180 |
| 1 | LAYER STATUS | | COLOUR (Munsell, 1994) | | | | Field pH | LAYER NOTES | | | | Field pH Test Method (1) | | | | | | | | |
| | Lower | Horizon | Moist Munsell | Dry Munsell | (1 per layer) | 1 | | | | | Raupach <input type="checkbox"/> test strip <input type="checkbox"/> pH meter <input type="checkbox"/> | | | | | | | | | |
| 2 | | | | | | | | | | | HCl (1) | | | | | | | | | |
| | | | | | | | | | | | no effervescence <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> | | | | | | | | | |
| 3 | | | | | | | | | | | audible/slight efferv. <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> | | | | | | | | | |
| | | | | | | | | | | | strong effervescence <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> | | | | | | | | | |
| 4 | | | | | | | | | | | Boundary Distinctiveness | | | | | | | | | |
| | | | | | | | | | | | (1 per layer) 1 2 3 4 5 | | | | | | | | | |
| 5 | | | | | | | | | | | not evident <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> | | | | | | | | | |
| | | | | | | | | | | | sharp (<5 mm) <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> | | | | | | | | | |
| 6 | | | | | | | | | | | abrupt (5-20 mm) <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> | | | | | | | | | |
| | | | | | | | | | | | clear (20-50 mm) <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> | | | | | | | | | |
| 7 | | | | | | | | | | | gradual (50-100 mm) <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> | | | | | | | | | |
| | | | | | | | | | | | diffuse (>100 mm) <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> | | | | | | | | | |
| 8 | | | | | | | | | | | STRUCTURE | | | | | | | | | |
| | | | | | | | | | | | Grade of Pedality (1) 1 2 3 4 5 | | | | | | | | | |
| 9 | | | | | | | | | | | single-grained <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> | | | | | | | | | |
| | | | | | | | | | | | massive <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> | | | | | | | | | |
| 10 | | | | | | | | | | | weak pedality <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> | | | | | | | | | |
| | | | | | | | | | | | moderate pedality <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> | | | | | | | | | |
| 11 | | | | | | | | | | | strong pedality <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> | | | | | | | | | |
| | | | | | | | | | | | Fabric (1) 1 2 3 4 5 | | | | | | | | | |
| 12 | | | | | | | | | | | sandy <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> | | | | | | | | | |
| | | | | | | | | | | | earthy <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> | | | | | | | | | |
| 13 | | | | | | | | | | | rough-faced peds <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> | | | | | | | | | |
| | | | | | | | | | | | smooth-faced peds <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> | | | | | | | | | |
| 14 | | | | | | | | | | | Dominant (1) | | | | | | | | | |
| | | | | | | | | | | | Ped Shape | | | | | | | | | |
| 15 | | | | | | | | | | | Sub-dominant (1) | | | | | | | | | |
| | | | | | | | | | | | 1 2 3 4 5 | | | | | | | | | |
| 16 | | | | | | | | | | | platy <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> | | | | | | | | | |
| | | | | | | | | | | | lenticular <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> | | | | | | | | | |
| 17 | | | | | | | | | | | prismatic <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> | | | | | | | | | |
| | | | | | | | | | | | columnar <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> | | | | | | | | | |
| 18 | | | | | | | | | | | angular blocky <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> | | | | | | | | | |
| | | | | | | | | | | | sub-ang. blocky <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> | | | | | | | | | |
| 19 | | | | | | | | | | | polyhedral <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> | | | | | | | | | |
| | | | | | | | | | | | granular <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> | | | | | | | | | |
| 20 | | | | | | | | | | | crumb <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> | | | | | | | | | |
| | | | | | | | | | | | round <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> | | | | | | | | | |
| 21 | | | | | | | | | | | Dominant (1) | | | | | | | | | |
| | | | | | | | | | | | Ped Size | | | | | | | | | |
| 22 | | | | | | | | | | | Sub-dominant (1) | | | | | | | | | |
| | | | | | | | | | | | 1 2 3 4 5 | | | | | | | | | |
| 23 | | | | | | | | | | | <2 mm <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> | | | | | | | | | |
| | | | | | | | | | | | 2-5 mm <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> | | | | | | | | | |
| 24 | | | | | | | | | | | 5-10 mm <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> | | | | | | | | | |
| | | | | | | | | | | | 10-20 mm <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> | | | | | | | | | |
| 25 | | | | | | | | | | | 20-50 mm <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> | | | | | | | | | |
| | | | | | | | | | | | 50-100 mm <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> | | | | | | | | | |
| 26 | | | | | | | | | | | 100-200 mm <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> | | | | | | | | | |
| | | | | | | | | | | | 200-500 mm <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> | | | | | | | | | |
| 27 | | | | | | | | | | | > 500 mm <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> | | | | | | | | | |
| | | | | | | | | | | | SEGREGATIONS | | | | | | | | | |
| 28 | | | | | | | | | | | Type (1 per layer) 1 2 3 4 5 | | | | | | | | | |
| | | | | | | | | | | | not evident <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> | | | | | | | | | |
| 29 | | | | | | | | | | | calcareous <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> | | | | | | | | | |
| | | | | | | | | | | | gypseous <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> | | | | | | | | | |
| 30 | | | | | | | | | | | manganiferous <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> | | | | | | | | | |
| | | | | | | | | | | | ferruginous <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> | | | | | | | | | |
| 31 | | | | | | | | | | | | | | | | | | | | |

SURVEY TITLE: RIXS CREEK BSAL

SITE LOCATION: OPEN Paddock

| PROFILE MAP DETAILS | | | | SURVEY DETAILS | | | |
|---------------------|---------------|----------|-----------|----------------|--------------|-----------------|---------------|
| Profile No. | Map Sheet No. | Eastings | Northings | Described By | Profile Date | Photo Taken (1) | No. of Layers |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |

| Potential BSAL? (1) | | Site type (1) | |
|---------------------|------|---------------|-------------|
| yes 1 | no 2 | checked 1 | detailed 2 |
| | | | exclusion 3 |

BIOPHYSICAL STRATEGIC AGRICULTURAL LAND SOIL DATA CARD

| SOIL TYPE | VEGETATION | LANDFORM ELEMENT (1) | | | |
|-----------|---------------------------|----------------------|------------------------|--------------|---------------------|
| A.S.C. | Vegetation Community (1) | alcove 43 | cone 3 | footslope 21 | ox-bow 57 |
| 0 | unknown 1 | backplain 31 | crater 51 | foredune 12 | sink hole/doline 52 |
| H | rainforest 2 | bank 25 | cut face 28 | gully 42 | pan/playa 55 |
| A | wet sclerophyll forest 3 | bar 6 | cut-over surface 39 | hillcrest 1 | pediment 22 |
| SO | dry sclerophyll forest 4 | beach 26 | dam 16 | hillslope 49 | pit 60 |
| B | woodland grass u'storey 5 | beach ridge 7 | drainage depression 41 | lagoon 54 | plain 30 |
| A | woodland shrub u'storey 6 | bench 19 | dune 11 | lake 55 | prior stream 9 |
| GG | tall shrubland 7 | berm 29 | embankment 14 | landslide 20 | rock flat 34 |
| H | low shrubland 8 | blow-out 59 | estuary 44 | levee 8 | rock platform 35 |
| C | heath 9 | channel bench 33 | fan 27 | lunette 13 | scald 36 |
| SG | grassland/herbland 10 | cliff 5 | fill top 40 | maar 53 | scarp 18 |
| D | swamp complex 11 | | flood-out 32 | mound 15 | scree 24 |
| B | littoral complex 12 | | | | scroll 10 |
| E | no vegetation 13 | | | | |
| N | | | | | |
| O | | | | | |
| V | | | | | |
| C | | | | | |
| G.S.G. | | | | | |
| A | | | | | |
| B | | | | | |
| C | | | | | |
| D | | | | | |
| E | | | | | |
| F | | | | | |
| G | | | | | |
| H | | | | | |
| I | | | | | |
| J | | | | | |
| K | | | | | |
| L | | | | | |
| M | | | | | |
| N | | | | | |
| O | | | | | |
| P | | | | | |
| Q | | | | | |
| R | | | | | |
| S | | | | | |
| T | | | | | |
| U | | | | | |
| V | | | | | |
| W | | | | | |
| X | | | | | |
| Y | | | | | |

| LITHOLOGY | | | | TOPOGRAPHY | |
|-----------------------|------------------------|----------------------|-------|----------------------|---------------------|
| Substrate (3) | | | | Slope Percent | Site Morphology (1) |
| not identified 1 | limestone 23 | coarse-basic 45 | 0 0 0 | flat 1 | |
| unconsolidated 2 | tuff 24 | fine-acidic 46 | 1 1 1 | crest 2 | |
| gravel 3 | breccia 25 | fine-intermediate 47 | 2 2 2 | hillock 3 | |
| sand 4 | greywacke 26 | fine-basic 48 | 3 3 3 | ridge 4 | |
| silt 5 | arkose 27 | serpentine 49 | 4 4 4 | upper slope 5 | |
| clay 6 | dolomite 28 | gabbro 50 | 5 5 5 | mid-slope 6 | |
| organic material 7 | calcrete 29 | dolerite 51 | 6 6 6 | simple slope 7 | |
| alluvium 8 | aeolianite 30 | diorite 52 | 7 7 7 | lower slope 8 | |
| colluvium 9 | chert 31 | syenite 53 | 8 8 8 | open depression 9 | |
| lacustrine 10 | jasper 32 | granodiorite 54 | 9 9 9 | closed depression 10 | |
| aeolian 11 | metamorphic 33 | adamellite 55 | | | |
| marine 12 | gneiss 34 | granite 56 | | | |
| calcareous sand 13 | schist/phyllite 35 | aplite 57 | | | |
| fill 14 | slate 36 | quartz porphyry 58 | | | |
| mud 15 | hornfels 37 | basalt 59 | | | |
| till 16 | quartzite 38 | andesite 60 | | | |
| sedimentary 17 | greenstone 39 | trachyte 61 | | | |
| shale 18 | amphibolite 40 | rhyolite 62 | | | |
| siltstone/mudstone 19 | marble 41 | obsidian 63 | | | |
| sandstone-quartz 20 | igneous 42 | scoria 64 | | | |
| sandstone-lithic 21 | coarse-acidic 43 | ash 65 | | | |
| conglomerate 22 | coarse-intermediate 44 | agglomerate 66 | | | |
| | | other 67 | | | |

| Slope Measurement Method (1) | | Slope Morphology (1) | |
|------------------------------|---------------|----------------------|--|
| inclinometer 3 | Abney level 4 | waxing 1 | |
| total station 5 | RTK GPS 6 | waning 2 | |
| LIDAR 7 | | maximal 3 | |
| | | minimal 4 | |

| Microrelief Type (1) | | Aspect (1) | |
|----------------------|-------------------|------------|----|
| normal gilgai 2 | crabhole gilgai 3 | NW | NE |
| linear gilgai 4 | lattice gilgai 5 | W | E |
| melonhole gilgai 6 | other 7 | SW | SE |

| HYDROLOGY | |
|-----------------------|-------------------------|
| Profile Drainage (1) | Permeability (1) |
| very poorly drained 1 | very slowly permeable 1 |
| poorly drained 2 | slowly permeable 2 |
| imperfectly drained 3 | moderately permeable 3 |
| mod. well-drained 4 | highly permeable 4 |
| well-drained 5 | |
| rapidly drained 6 | |

| Depth (1) & Extent (1) | |
|------------------------|------------------|
| ≤ 500 mm depth 1 | > 500 mm depth 2 |
| ≤ 50% area 1 | > 50% area 2 |

SITE FIELD NOTES

| Surface Condition | | |
|------------------------|-----------------|----|
| Current (2) | Expected | |
| | Wet (2) Dry (2) | |
| cracked 2 | 2 | 2 |
| self-mulched 3 | 3 | 3 |
| loose 4 | 4 | 4 |
| soft 5 | 5 | 5 |
| firm 6 | 6 | 6 |
| hardset 7 | 7 | 7 |
| surface crust 8 | 8 | 8 |
| trampled 9 | 9 | 9 |
| poached 10 | 10 | 10 |
| recently cultivated 11 | 11 | 11 |
| water repellent 12 | 12 | 12 |
| gravelly 13 | 13 | 13 |
| other 14 | 14 | 14 |

| SITE CONDITION | |
|----------------------------|----------------|
| Site Disturbance(s) (2) | Ground Cover % |
| natural disturbance 1 | 1 |
| no effective disturbance 2 | 2 |
| limited clearing 3 | 3 |
| extensive clearing 4 | 4 |
| cleared, no cultivation 5 | 5 |
| occasional cultivation 6 | 6 |
| rainfed cultivation 7 | 7 |
| irrigated cultivation 8 | 8 |
| highly disturbed 9 | 9 |

Please do not mark this space.



NSW SOIL AND LAND INFORMATION SYSTEM

Please MARK LIKE THIS ONLY:

- Use 2B pencil
- No pen or biro
- Fully erase mistakes
- Make no stray marks
- Numbers in () show max. entries allowed

| | | | | | | | | | | | | | | | | | | | | |
|-----|--------------|-----------|------------------------|---------------|-------------|---------------|----------|-------------|----|----|---|-----------------------------|-----|-----|-----|-----|-----|-----|-----|-----|
| cm | mm | 0 | 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 110 | 120 | 130 | 140 | 150 | 160 | 170 | 180 |
| 1 | LAYER STATUS | | COLOUR (Munsell, 1994) | | | | Field pH | LAYER NOTES | | | | Field pH Test Method (1) | | | | | | | | |
| | Lower | Horizon | Moist Munsell | | Dry Munsell | (1 per layer) | 1 | | | | | Raupach test strip pH meter | | | | | | | | |
| 2 | 1 1 1 1 | 2 A D 1 1 | 2.5 R 8G 17 0 | 2.5 R 8G 17 0 | 0 0 0 | 1 | | | | | HCl (1) | | | | | | | | | |
| 3 | 2 2 2 2 | 3 B F 2 2 | 5 YR 5 2 1 | 5 YR 5 2 1 | 1 1 1 | 2 | | | | | no effervescence audible/ slight efferv. strong effervescence | | | | | | | | | |
| 4 | 3 3 3 3 | 4 C O 3 3 | 7.5 Y P 2.5 2 | 7.5 Y P 2.5 2 | 2 2 2 | 3 | | | | | Boundary Distinctiveness | | | | | | | | | |
| 5 | 4 4 4 4 | 5 AB P | 10 N 3 3 | 10 N 3 3 | 3 3 3 | 4 | | | | | (1 per layer) 1 2 3 4 5 | | | | | | | | | |
| 6 | 5 5 5 5 | 6 AC R | GY 4 4 | GY 4 4 | 4 4 4 | 5 | | | | | not evident sharp (<5 mm) abrupt (5-20 mm) clear (20-50 mm) gradual (50-100 mm) diffuse (>100 mm) | | | | | | | | | |
| 7 | 6 6 6 6 | 7 BC | G 5 5 | G 5 5 | 5 5 5 | 6 | | | | | STRUCTURE | | | | | | | | | |
| 8 | 7 7 7 7 | | | | 6 6 6 | 7 | | | | | Grade of Pedality (1) 1 2 3 4 5 | | | | | | | | | |
| 9 | 8 8 8 8 | | | | 7 7 7 | 8 | | | | | single-grained massive weak pedality moderate pedality strong pedality | | | | | | | | | |
| 10 | 9 9 9 9 | | | | 8 8 8 | 9 | | | | | Fabric (1) 1 2 3 4 5 | | | | | | | | | |
| 11 | 0 0 0 0 | 2 A D 1 1 | 2.5 R 8G 17 0 | 2.5 R 8G 17 0 | 0 0 0 | 3 | | | | | sandy earthy rough-faced peds smooth-faced peds | | | | | | | | | |
| 12 | 1 1 1 1 | 3 B F 2 2 | 5 YR 5 2 1 | 5 YR 5 2 1 | 1 1 1 | 4 | | | | | Dominant (1) Ped Shape Sub-dominant (1) | | | | | | | | | |
| 13 | 2 2 2 2 | 4 C O 3 3 | 7.5 Y P 2.5 2 | 7.5 Y P 2.5 2 | 2 2 2 | 5 | | | | | 1 2 3 4 5 1 2 3 4 5 | | | | | | | | | |
| 14 | 3 3 3 3 | 5 AB P | 10 N 3 3 | 10 N 3 3 | 3 3 3 | 6 | | | | | platy lenticular prismatic columnar angular blocky sub-ang. blocky polyhedral granular crumb round | | | | | | | | | |
| 15 | 4 4 4 4 | 6 AC R | GY 4 4 | GY 4 4 | 4 4 4 | 7 | | | | | Dominant (1) Ped Size Sub-dominant (1) | | | | | | | | | |
| 16 | 5 5 5 5 | 7 BC | G 5 5 | G 5 5 | 5 5 5 | 8 | | | | | 1 2 3 4 5 1 2 3 4 5 | | | | | | | | | |
| 17 | 6 6 6 6 | | | | 6 6 6 | 9 | | | | | <2 mm 2-5 mm 5-10 mm 10-20 mm 20-50 mm 50-100 mm 100-200 mm 200-500 mm > 500 mm | | | | | | | | | |
| 18 | 7 7 7 7 | | | | 7 7 7 | 0 | | | | | SEGREGATIONS | | | | | | | | | |
| 19 | 8 8 8 8 | | | | 8 8 8 | 1 | | | | | Soil Water Status (1 each per layer) | | | | | | | | | |
| 20 | 9 9 9 9 | | | | 9 9 9 | 2 | | | | | Type (1 per layer) 1 2 3 4 5 | | | | | | | | | |
| 21 | 0 0 0 0 | 2 A D 1 1 | 2.5 R 8G 17 0 | 2.5 R 8G 17 0 | 0 0 0 | 3 | | | | | not evident calcareous gypseous manganiferous ferruginous ferromanganiferous organic not identified other | | | | | | | | | |
| 22 | 1 1 1 1 | 3 B F 2 2 | 5 YR 5 2 1 | 5 YR 5 2 1 | 1 1 1 | 4 | | | | | Amount (1 per layer) 1 2 3 4 5 | | | | | | | | | |
| 23 | 2 2 2 2 | 4 C O 3 3 | 7.5 Y P 2.5 2 | 7.5 Y P 2.5 2 | 2 2 2 | 5 | | | | | none very few (<2%) few (2-10%) common (10-20%) many (20-50%) abundant (>50%) | | | | | | | | | |
| 24 | 3 3 3 3 | 5 AB P | 10 N 3 3 | 10 N 3 3 | 3 3 3 | 6 | | | | | Strength (1 per layer) 1 2 3 4 5 | | | | | | | | | |
| 25 | 4 4 4 4 | 6 AC R | GY 4 4 | GY 4 4 | 4 4 4 | 7 | | | | | weak strong | | | | | | | | | |
| 26 | 5 5 5 5 | 7 BC | G 5 5 | G 5 5 | 5 5 5 | 8 | | | | | Form (1 per layer) 1 2 3 4 5 | | | | | | | | | |
| 27 | 6 6 6 6 | | | | 6 6 6 | 9 | | | | | soft segregations nodules fragments crystals veins concretions root linings tubules | | | | | | | | | |
| 28 | 7 7 7 7 | | | | 7 7 7 | 0 | | | | | Size (1 per layer) 1 2 3 4 5 | | | | | | | | | |
| 29 | 8 8 8 8 | | | | 8 8 8 | 1 | | | | | fine (<2 mm) medium (2-6 mm) coarse (6-20 mm) v coarse (20-60 mm) ext coarse (>60 mm) | | | | | | | | | |
| 30 | 9 9 9 9 | | | | 9 9 9 | 2 | | | | | | | | | | | | | | |
| 31 | 0 0 0 0 | 2 A D 1 1 | 2.5 R 8G 17 0 | 2.5 R 8G 17 0 | 0 0 0 | 3 | | | | | | | | | | | | | | |
| 32 | 1 1 1 1 | 3 B F 2 2 | 5 YR 5 2 1 | 5 YR 5 2 1 | 1 1 1 | 4 | | | | | | | | | | | | | | |
| 33 | 2 2 2 2 | 4 C O 3 3 | 7.5 Y P 2.5 2 | 7.5 Y P 2.5 2 | 2 2 2 | 5 | | | | | | | | | | | | | | |
| 34 | 3 3 3 3 | 5 AB P | 10 N 3 3 | 10 N 3 3 | 3 3 3 | 6 | | | | | | | | | | | | | | |
| 35 | 4 4 4 4 | 6 AC R | GY 4 4 | GY 4 4 | 4 4 4 | 7 | | | | | | | | | | | | | | |
| 36 | 5 5 5 5 | 7 BC | G 5 5 | G 5 5 | 5 5 5 | 8 | | | | | | | | | | | | | | |
| 37 | 6 6 6 6 | | | | 6 6 6 | 9 | | | | | | | | | | | | | | |
| 38 | 7 7 7 7 | | | | 7 7 7 | 0 | | | | | | | | | | | | | | |
| 39 | 8 8 8 8 | | | | 8 8 8 | 1 | | | | | | | | | | | | | | |
| 40 | 9 9 9 9 | | | | 9 9 9 | 2 | | | | | | | | | | | | | | |
| 41 | 0 0 0 0 | 2 A D 1 1 | 2.5 R 8G 17 0 | 2.5 R 8G 17 0 | 0 0 0 | 3 | | | | | | | | | | | | | | |
| 42 | 1 1 1 1 | 3 B F 2 2 | 5 YR 5 2 1 | 5 YR 5 2 1 | 1 1 1 | 4 | | | | | | | | | | | | | | |
| 43 | 2 2 2 2 | 4 C O 3 3 | 7.5 Y P 2.5 2 | 7.5 Y P 2.5 2 | 2 2 2 | 5 | | | | | | | | | | | | | | |
| 44 | 3 3 3 3 | 5 AB P | 10 N 3 3 | 10 N 3 3 | 3 3 3 | 6 | | | | | | | | | | | | | | |
| 45 | 4 4 4 4 | 6 AC R | GY 4 4 | GY 4 4 | 4 4 4 | 7 | | | | | | | | | | | | | | |
| 46 | 5 5 5 5 | 7 BC | G 5 5 | G 5 5 | 5 5 5 | 8 | | | | | | | | | | | | | | |
| 47 | 6 6 6 6 | | | | 6 6 6 | 9 | | | | | | | | | | | | | | |
| 48 | 7 7 7 7 | | | | 7 7 7 | 0 | | | | | | | | | | | | | | |
| 49 | 8 8 8 8 | | | | 8 8 8 | 1 | | | | | | | | | | | | | | |
| 50 | 9 9 9 9 | | | | 9 9 9 | 2 | | | | | | | | | | | | | | |
| 51 | 0 0 0 0 | 2 A D 1 1 | 2.5 R 8G 17 0 | 2.5 R 8G 17 0 | 0 0 0 | 3 | | | | | | | | | | | | | | |
| 52 | 1 1 1 1 | 3 B F 2 2 | 5 YR 5 2 1 | 5 YR 5 2 1 | 1 1 1 | 4 | | | | | | | | | | | | | | |
| 53 | 2 2 2 2 | 4 C O 3 3 | 7.5 Y P 2.5 2 | 7.5 Y P 2.5 2 | 2 2 2 | 5 | | | | | | | | | | | | | | |
| 54 | 3 3 3 3 | 5 AB P | 10 N 3 3 | 10 N 3 3 | 3 3 3 | 6 | | | | | | | | | | | | | | |
| 55 | 4 4 4 4 | 6 AC R | GY 4 4 | GY 4 4 | 4 4 4 | 7 | | | | | | | | | | | | | | |
| 56 | 5 5 5 5 | 7 BC | G 5 5 | G 5 5 | 5 5 5 | 8 | | | | | | | | | | | | | | |
| 57 | 6 6 6 6 | | | | 6 6 6 | 9 | | | | | | | | | | | | | | |
| 58 | 7 7 7 7 | | | | 7 7 7 | 0 | | | | | | | | | | | | | | |
| 59 | 8 8 8 8 | | | | 8 8 8 | 1 | | | | | | | | | | | | | | |
| 60 | 9 9 9 9 | | | | 9 9 9 | 2 | | | | | | | | | | | | | | |
| 61 | 0 0 0 0 | 2 A D 1 1 | 2.5 R 8G 17 0 | 2.5 R 8G 17 0 | 0 0 0 | 3 | | | | | | | | | | | | | | |
| 62 | 1 1 1 1 | 3 B F 2 2 | 5 YR 5 2 1 | 5 YR 5 2 1 | 1 1 1 | 4 | | | | | | | | | | | | | | |
| 63 | 2 2 2 2 | 4 C O 3 3 | 7.5 Y P 2.5 2 | 7.5 Y P 2.5 2 | 2 2 2 | 5 | | | | | | | | | | | | | | |
| 64 | 3 3 3 3 | 5 AB P | 10 N 3 3 | 10 N 3 3 | 3 3 3 | 6 | | | | | | | | | | | | | | |
| 65 | 4 4 4 4 | 6 AC R | GY 4 4 | GY 4 4 | 4 4 4 | 7 | | | | | | | | | | | | | | |
| 66 | 5 5 5 5 | 7 BC | G 5 5 | G 5 5 | 5 5 5 | 8 | | | | | | | | | | | | | | |
| 67 | 6 6 6 6 | | | | 6 6 6 | 9 | | | | | | | | | | | | | | |
| 68 | 7 7 7 7 | | | | 7 7 7 | 0 | | | | | | | | | | | | | | |
| 69 | 8 8 8 8 | | | | 8 8 8 | 1 | | | | | | | | | | | | | | |
| 70 | 9 9 9 9 | | | | 9 9 9 | 2 | | | | | | | | | | | | | | |
| 71 | 0 0 0 0 | 2 A D 1 1 | 2.5 R 8G 17 0 | 2.5 R 8G 17 0 | 0 0 0 | 3 | | | | | | | | | | | | | | |
| 72 | 1 1 1 1 | 3 B F 2 2 | 5 YR 5 2 1 | 5 YR 5 2 1 | 1 1 1 | 4 | | | | | | | | | | | | | | |
| 73 | 2 2 2 2 | 4 C O 3 3 | 7.5 Y P 2.5 2 | 7.5 Y P 2.5 2 | 2 2 2 | 5 | | | | | | | | | | | | | | |
| 74 | 3 3 3 3 | 5 AB P | 10 N 3 3 | 10 N 3 3 | 3 3 3 | 6 | | | | | | | | | | | | | | |
| 75 | 4 4 4 4 | 6 AC R | GY 4 4 | GY 4 4 | 4 4 4 | 7 | | | | | | | | | | | | | | |
| 76 | 5 5 5 5 | 7 BC | G 5 5 | G 5 5 | 5 5 5 | 8 | | | | | | | | | | | | | | |
| 77 | 6 6 6 6 | | | | 6 6 6 | 9 | | | | | | | | | | | | | | |
| 78 | 7 7 7 7 | | | | 7 7 7 | 0 | | | | | | | | | | | | | | |
| 79 | 8 8 8 8 | | | | 8 8 8 | 1 | | | | | | | | | | | | | | |
| 80 | 9 9 9 9 | | | | 9 9 9 | 2 | | | | | | | | | | | | | | |
| 81 | 0 0 0 0 | 2 A D 1 1 | 2.5 R 8G 17 0 | 2.5 R 8G 17 0 | 0 0 0 | 3 | | | | | | | | | | | | | | |
| 82 | 1 1 1 1 | 3 B F 2 2 | 5 YR 5 2 1 | 5 YR 5 2 1 | 1 1 1 | 4 | | | | | | | | | | | | | | |
| 83 | 2 2 2 2 | 4 C O 3 3 | 7.5 Y P 2.5 2 | 7.5 Y P 2.5 2 | 2 2 2 | 5 | | | | | | | | | | | | | | |
| 84 | 3 3 3 3 | 5 AB P | 10 N 3 3 | 10 N 3 3 | 3 3 3 | 6 | | | | | | | | | | | | | | |
| 85 | 4 4 4 4 | 6 AC R | GY 4 4 | GY 4 4 | 4 4 4 | 7 | | | | | | | | | | | | | | |
| 86 | 5 5 5 5 | 7 BC | G 5 5 | G 5 5 | 5 5 5 | 8 | | | | | | | | | | | | | | |
| 87 | 6 6 6 6 | | | | 6 6 6 | 9 | | | | | | | | | | | | | | |
| 88 | 7 7 7 7 | | | | 7 7 7 | 0 | | | | | | | | | | | | | | |
| 89 | 8 8 8 8 | | | | 8 8 8 | 1 | | | | | | | | | | | | | | |
| 90 | 9 9 9 9 | | | | 9 9 9 | 2 | | | | | | | | | | | | | | |
| 91 | 0 0 0 0 | 2 A D 1 1 | 2.5 R 8G 17 0 | 2.5 R 8G 17 0 | 0 0 0 | 3 | | | | | | | | | | | | | | |
| 92 | 1 1 1 1 | 3 B F 2 2 | 5 YR 5 2 1 | 5 YR 5 2 1 | 1 1 1 | 4 | | | | | | | | | | | | | | |
| 93 | 2 2 2 2 | 4 C O 3 3 | 7.5 Y P 2.5 2 | 7.5 Y P 2.5 2 | 2 2 2 | 5 | | | | | | | | | | | | | | |
| 94 | 3 3 3 3 | 5 AB P | 10 N 3 3 | 10 N 3 3 | 3 3 3 | 6 | | | | | | | | | | | | | | |
| 95 | 4 4 4 4 | 6 AC R | GY 4 4 | GY 4 4 | 4 4 4 | 7 | | | | | | | | | | | | | | |
| 96 | 5 5 5 5 | 7 BC | G 5 5 | G 5 5 | 5 5 5 | 8 | | | | | | | | | | | | | | |
| 97 | 6 6 6 6 | | | | 6 6 6 | 9 | | | | | | | | | | | | | | |
| 98 | 7 7 7 7 | | | | 7 7 7 | 0 | | | | | | | | | | | | | | |
| 99 | 8 8 8 8 | | | | 8 8 8 | 1 | | | | | | | | | | | | | | |
| 100 | 9 9 9 9 | | | | 9 9 9 | 2 | | | | | | | | | | | | | | |
| 101 | 0 0 0 0 | 2 A D 1 1 | 2.5 R 8G 17 0 | 2.5 R 8G 17 0 | 0 0 0 | 3 | | | | | | | | | | | | | | |
| 102 | 1 1 1 1 | 3 B F 2 2 | 5 YR 5 2 1 | 5 YR 5 2 1 | 1 1 1 | 4 | | | | | | | | | | | | | | |
| 103 | 2 2 2 2 | 4 C O 3 3 | 7.5 Y P 2.5 2 | 7.5 Y P 2.5 2 | 2 2 2 | 5 | | | | | | | | | | | | | | |
| 104 | 3 3 3 3 | 5 AB P | 10 N 3 3 | 10 N 3 3 | 3 3 3 | 6 | | | | | | | | | | | | | | |
| 105 | 4 4 4 4 | 6 AC R | GY 4 4 | GY 4 4 | 4 4 4 | 7 | | | | | | | | | | | | | | |
| 106 | 5 5 5 5 | 7 BC | G 5 5 | G 5 5 | 5 5 5 | 8 | | | | | | | | | | | | | | |
| 107 | 6 6 6 6 | | | | 6 6 6 | 9 | | | | | | | | | | | | | | |
| 108 | 7 7 7 7 | | | | 7 7 7 | 0 | | | | | | | | | | | | | | |
| 109 | 8 8 8 8 | | | | 8 8 8 | 1 | | | | | | | | | | | | | | |
| 110 | 9 9 9 9 | | | | 9 9 9 | 2 | | | | | | | | | | | | | | |
| 111 | 0 0 0 0 | 2 A D 1 1 | 2.5 R 8G 17 0 | 2.5 R 8G 17 0 | 0 0 0 | 3 | | | | | | | | | | | | | | |
| 112 | 1 1 1 1 | 3 B F 2 2 | 5 YR 5 2 1 | 5 YR 5 2 1 | 1 1 1 | 4 | | | | | | | | | | | | | | |
| 113 | 2 2 2 2 | 4 C O 3 3 | 7.5 Y P 2.5 2 | 7.5 Y P 2.5 2 | 2 2 2 | 5 | | | | | | | | | | | | | | |
| 114 | 3 3 3 3 | 5 AB P | 10 N 3 3 | 10 N 3 3 | 3 3 3 | 6 | | | | | | | | | | | | | | |
| 115 | 4 4 4 4 | 6 AC R | GY 4 4 | GY 4 4 | 4 4 4 | 7 | | | | | | | | | | | | | | |
| 116 | 5 5 5 5 | 7 BC | G 5 5 | G 5 5 | 5 5 5 | 8 | | | | | | | | | | | | | | |
| 117 | 6 6 6 6 | | | | 6 6 6 | 9 | | | | | | | | | | | | | | |
| 118 | 7 7 7 7 | | | | 7 7 7 | 0 | | | | | | | | | | | | | | |
| 119 | 8 8 8 8 | | | | 8 8 8 | 1 | | | | | | | | | | | | | | |
| 120 | 9 9 9 9 | | | | 9 9 9 | 2 | | | | | | | | | | | | | | |
| 121 | 0 0 0 0 | 2 A D 1 1 | 2.5 R 8G 17 0 | 2.5 R 8G 17 0 | 0 0 0 | 3 | | | | | | | | | | | | | | |
| 122 | 1 1 1 1 | 3 B F 2 2 | 5 YR 5 2 1 | 5 YR 5 2 1 | 1 1 1 | 4 | | | | | | | | | | | | | | |
| 123 | 2 2 2 2 | 4 C O 3 3 | 7.5 Y P 2.5 2 | 7.5 Y P 2.5 2 | 2 2 2 | 5 | | | | | | | | | | | | | | |
| 124 | 3 3 3 3 | 5 AB P | 10 N 3 3 | 10 N 3 3 | 3 3 3 | 6 | | | | | | | | | | | | | | |
| 125 | 4 4 4 4 | 6 AC R | GY 4 4 | GY 4 4 | 4 4 4 | 7 | | | | | | | | | | | | | | |
| 126 | 5 5 5 5 | 7 BC | G 5 5 | G 5 5 | 5 5 5 | 8 | | | | | | | | | | | | | | |
| 127 | 6 6 6 6 | | | | 6 6 6 | 9 | | | | | | | | | | | | | | |
| 128 | 7 7 7 7 | | | | 7 7 7 | 0 | | | | | | | | | | | | | | |
| 129 | 8 8 8 8 | | | | 8 8 8 | 1 | | | | | | | | | | | | | | |
| 130 | 9 9 9 9 | | | | 9 9 9 | 2 | | | | | | | | | | | | | | |
| 131 | 0 0 0 0 | 2 A D 1 1 | 2.5 R 8G 17 0 | 2.5 R 8G 17 0 | 0 0 0 | 3 | | | | | | | | | | | | | | |
| 132 | 1 1 1 1 | 3 B F 2 2 | 5 YR 5 2 1 | 5 YR 5 2 1 | 1 1 1 | 4 | | | | | | | | | | | | | | |
| 133 | 2 2 2 2 | 4 C O 3 3 | 7.5 Y P 2.5 2 | 7.5 Y P 2.5 2 | 2 2 2 | 5 | | | | | | | | | | | | | | |
| 134 | 3 3 3 3 | 5 AB P | 10 N 3 3 | 10 N 3 3 | 3 3 3 | 6 | | | | | | | | | | | | | | |
| 135 | 4 4 4 4 | 6 AC R | GY 4 4 | GY 4 4 | 4 4 4 | 7 | | | | | | | | | | | | | | |
| 136 | 5 5 5 5 | 7 BC | G 5 5 | G 5 5 | 5 5 5 | 8 | | | | | | | | | | | | | | |
| 137 | 6 6 6 6 | | | | 6 6 6 | 9 | | | | | | | | | | | | | | |
| 138 | 7 7 7 7 | | | | 7 7 7 | 0 | | | | | | | | | | | | | | |
| 139 | 8 8 8 8 | | | | 8 8 8 | 1 | | | | | | | | | | | | | | |
| 140 | 9 9 9 9 | | | | 9 9 9 | 2 | | | | | | | | | | | | | | |
| 141 | 0 0 0 0 | 2 A D 1 1 | 2.5 R 8G 17 0 | 2.5 R 8G 17 0 | 0 0 0 | 3 | | | | | | | | | | | | | | |
| 142 | 1 1 1 1 | 3 B F 2 2 | 5 YR 5 2 1 | 5 YR 5 2 1 | 1 1 1 | 4 | | | | | | | | | | | | | | |
| 143 | 2 2 2 2 | 4 C O 3 3 | 7.5 Y P 2.5 2 | 7.5 Y P 2.5 2 | 2 2 2 | 5 | | | | | | | | | | | | | | |
| 144 | 3 3 3 3 | 5 AB P | 10 N 3 3 | 10 N 3 3 | 3 3 3 | 6 | | | | | | | | | | | | | | |
| 145 | 4 4 4 4 | 6 AC R | GY 4 4 | GY 4 4 | 4 4 4 | 7 | | | | | | | | | | | | | | |

SURVEY TITLE: R I X S C R E E K B S A L

SITE LOCATION: O P E N P A D D O C K

| PROFILE MAP DETAILS | | | | SURVEY DETAILS | | | |
|---------------------|---------------|----------|-----------|----------------|--------------|-----------------|---------------|
| Profile No. | Map Sheet No. | Eastings | Northings | Described By | Profile Date | Photo Taken (1) | No. of Layers |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |

| Potential BSAL? (1) | Site type (1) | BIOPHYSICAL STRATEGIC AGRICULTURAL LAND SOIL DATA CARD | |
|---------------------|--|--|--|
| yes (1) no (2) | checked (1) detailed (2) exclusion (3) | | |

| SOIL TYPE | VEGETATION | LANDFORM ELEMENT (1) | |
|-----------|-----------------------------|-------------------------|--------------------------|
| A.S.C. | Vegetation Community (1) | alcove (43) | cone (3) |
| O | unknown (1) | backplain (31) | crater (51) |
| SO | rainforest (2) | bank (25) | cut face (28) |
| B | wet sclerophyll forest (3) | bar (6) | cut-over surface (39) |
| GG | dry sclerophyll forest (4) | beach (26) | dam (16) |
| SG | woodland grass u'storey (5) | beach ridge (7) | drainage depression (41) |
| A | woodland shrub u'storey (6) | bench (19) | dune (11) |
| H | tall shrubland (7) | berm (29) | embankment (14) |
| C | low shrubland (8) | blow-out (59) | estuary (44) |
| F | heath (9) | channel bench (33) | fan (27) |
| E | grassland/herbland (10) | cliff (5) | fill top (40) |
| N | swamp complex (11) | | flood-out (32) |
| O | littoral complex (12) | | |
| W | no vegetation (13) | | |
| C | Growth Forms (4) | | |
| G.S.G. | tree (2) | not identified (1) | limestone (23) |
| A | tree mallee (2) | unconsolidated (2) | tuff (24) |
| B | shrub (3) | gravel (3) | breccia (25) |
| C | mallee shrub (4) | sand (4) | greywacke (26) |
| D | heath shrub (5) | silt (5) | arkose (27) |
| E | chenopod shrub (6) | clay (6) | dolomite (28) |
| F | hummock grass (7) | organic material (7) | calcrete (29) |
| G | tussock grass (8) | alluvium (8) | aeolianite (30) |
| H | sod grass (9) | colluvium (9) | chert (31) |
| I | sedge (10) | lacustrine (10) | jasper (32) |
| J | rush (11) | aeolian (11) | metamorphic (33) |
| K | fern/cycad (12) | marine (12) | gneiss (34) |
| L | moss (13) | calcareous sand (13) | schist/phylite (35) |
| M | lichen (14) | fill (14) | slate (36) |
| N | liverwort (15) | mud (15) | hornfels (37) |
| O | vine (16) | till (16) | quartzite (38) |
| P | | sedimentary (17) | greenstone (39) |
| Q | | shale (18) | amphibolite (40) |
| R | | siltstone/mudstone (19) | marble (41) |
| S | | sandstone-quartz (20) | igneous (42) |
| T | | sandstone-lithic (21) | coarse-acidic (43) |
| U | | conglomerate (22) | coarse-intermediate (44) |
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| JS | | | |
| JT | | | |
| JU | | | |
| JV | | | |
| JW | | | |
| JX | | | |
| JY | | | |
| JZ | | | |
| KA | | | |
| KB | | | |
| KC | | | |
| KD | | | |
| KE | | | |
| KF | | | |
| KG | | | |
| KH | | | |
| KI | | | |
| KJ | | | |
| KK | | | |
| KL | | | |
| KM | | | |
| KN | | | |
| KO | | | |
| KP | | | |
| KQ | | | |
| KR | | | |
| KS | | | |
| KT | | | |
| KU | | | |
| KV | | | |
| KW | | | |
| KX | | | |
| KY | | | |
| KZ | | | |
| LA | | | |
| LB | | | |
| LC | | | |
| LD | | | |
| LE | | | |
| LF | | | |
| LG | | | |
| LH | | | |
| LI | | | |
| LJ | | | |
| LK | | | |
| LL | | | |
| LM | | | |
| LN | | | |
| LO | | | |
| LP | | | |
| LQ | | | |
| LR | | | |
| LS | | | |
| LT | | | |
| LU | | | |
| LV | | | |
| LW | | | |
| LX | | | |
| LY | | | |
| LZ | | | |
| MA | | | |
| MB | | | |
| MC | | | |
| MD | | | |
| ME | | | |
| MF | | | |
| MG | | | |
| MH | | | |
| MI | | | |
| MJ | | | |
| MK | | | |
| ML | | | |
| MM | | | |
| MN | | | |
| MO | | | |
| MP | | | |
| MQ | | | |
| MR | | | |

| | | | | | | | | | | | | | | | | | | | | |
|-----|--------------|---------|------------------------|------------------|-------------|---------------|----------|-------------|----|----|----|---------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|
| cm | mm | 0 | 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 110 | 120 | 130 | 140 | 150 | 160 | 170 | 180 |
| 1 | LAYER STATUS | | COLOUR (Munsell, 1994) | | | | Field pH | LAYER NOTES | | | | Field pH Test Method (1) | | | | | | | | |
| | Lower | Horizon | Moist Munsell | | Dry Munsell | (1 per layer) | 1 | | | | | Raupach test strip pH meter | | | | | | | | |
| 2 | 1 1 1 1 | 2 2 2 2 | 2.5 5 R 6.5 17 0 | 2.5 5 R 6.5 17 0 | 0 0 0 | 1 1 1 | | | | | | HCl (1) | | | | | | | | |
| 3 | 2 2 2 2 | 3 3 3 3 | 5 5 Y 6 2 1 | 5 5 Y 6 2 1 | 2 2 2 | 2 2 2 | | | | | | no effervescence | | | | | | | | |
| 4 | 3 3 3 3 | 4 4 4 4 | 7.5 7.5 Y 6 2 1 | 7.5 7.5 Y 6 2 1 | 3 3 3 | 3 3 3 | | | | | | audible/slight efferv. | | | | | | | | |
| 5 | 4 4 4 4 | 5 5 5 5 | 10 10 N 3 3 3 | 10 10 N 3 3 3 | 4 4 4 | 4 4 4 | | | | | | strong effervescence | | | | | | | | |
| 6 | 5 5 5 5 | 6 6 6 6 | 15 15 G 5 5 5 | 15 15 G 5 5 5 | 5 5 5 | 5 5 5 | | | | | | Boundary Distinctiveness | | | | | | | | |
| 7 | 6 6 6 6 | 7 7 7 7 | 20 20 G 5 5 5 | 20 20 G 5 5 5 | 6 6 6 | 6 6 6 | | | | | | (1 per layer) 1 2 3 4 5 | | | | | | | | |
| 8 | 7 7 7 7 | 8 8 8 8 | 25 25 G 5 5 5 | 25 25 G 5 5 5 | 7 7 7 | 7 7 7 | | | | | | not evident | | | | | | | | |
| 9 | 8 8 8 8 | 9 9 9 9 | 30 30 G 5 5 5 | 30 30 G 5 5 5 | 8 8 8 | 8 8 8 | | | | | | sharp (<5 mm) | | | | | | | | |
| 10 | 9 9 9 9 | | 35 35 G 5 5 5 | 35 35 G 5 5 5 | 9 9 9 | 9 9 9 | | | | | | abrupt (5-20 mm) | | | | | | | | |
| 11 | | | | | | | | | | | | clear (20-50 mm) | | | | | | | | |
| 12 | | | | | | | | | | | | gradual (50-100 mm) | | | | | | | | |
| 13 | | | | | | | | | | | | diffuse (>100 mm) | | | | | | | | |
| 14 | | | | | | | | | | | | STRUCTURE | | | | | | | | |
| 15 | | | | | | | | | | | | Grade of Pedality (1) 1 2 3 4 5 | | | | | | | | |
| 16 | | | | | | | | | | | | single-grained | | | | | | | | |
| 17 | | | | | | | | | | | | massive | | | | | | | | |
| 18 | | | | | | | | | | | | weak pedality | | | | | | | | |
| 19 | | | | | | | | | | | | moderate pedality | | | | | | | | |
| 20 | | | | | | | | | | | | strong pedality | | | | | | | | |
| 21 | | | | | | | | | | | | Fabric (1) 1 2 3 4 5 | | | | | | | | |
| 22 | | | | | | | | | | | | sandy | | | | | | | | |
| 23 | | | | | | | | | | | | earthy | | | | | | | | |
| 24 | | | | | | | | | | | | rough-faced peds | | | | | | | | |
| 25 | | | | | | | | | | | | smooth-faced peds | | | | | | | | |
| 26 | | | | | | | | | | | | Dominant (1) | | | | | | | | |
| 27 | | | | | | | | | | | | Ped Shape | | | | | | | | |
| 28 | | | | | | | | | | | | 1 2 3 4 5 | | | | | | | | |
| 29 | | | | | | | | | | | | platy | | | | | | | | |
| 30 | | | | | | | | | | | | lenticular | | | | | | | | |
| 31 | | | | | | | | | | | | prismatic | | | | | | | | |
| 32 | | | | | | | | | | | | columnar | | | | | | | | |
| 33 | | | | | | | | | | | | angular blocky | | | | | | | | |
| 34 | | | | | | | | | | | | sub-ang. blocky | | | | | | | | |
| 35 | | | | | | | | | | | | polyhedral | | | | | | | | |
| 36 | | | | | | | | | | | | granular | | | | | | | | |
| 37 | | | | | | | | | | | | crumb | | | | | | | | |
| 38 | | | | | | | | | | | | round | | | | | | | | |
| 39 | | | | | | | | | | | | Dominant (1) | | | | | | | | |
| 40 | | | | | | | | | | | | Ped Size | | | | | | | | |
| 41 | | | | | | | | | | | | 1 2 3 4 5 | | | | | | | | |
| 42 | | | | | | | | | | | | <2 mm | | | | | | | | |
| 43 | | | | | | | | | | | | 2-5 mm | | | | | | | | |
| 44 | | | | | | | | | | | | 5-10 mm | | | | | | | | |
| 45 | | | | | | | | | | | | 10-20 mm | | | | | | | | |
| 46 | | | | | | | | | | | | 20-50 mm | | | | | | | | |
| 47 | | | | | | | | | | | | 50-100 mm | | | | | | | | |
| 48 | | | | | | | | | | | | 100-200 mm | | | | | | | | |
| 49 | | | | | | | | | | | | 200-500 mm | | | | | | | | |
| 50 | | | | | | | | | | | | > 500 mm | | | | | | | | |
| 51 | | | | | | | | | | | | SEGREGATIONS | | | | | | | | |
| 52 | | | | | | | | | | | | Type (1 per layer) | | | | | | | | |
| 53 | | | | | | | | | | | | 1 2 3 4 5 | | | | | | | | |
| 54 | | | | | | | | | | | | not evident | | | | | | | | |
| 55 | | | | | | | | | | | | calcareous | | | | | | | | |
| 56 | | | | | | | | | | | | gypseous | | | | | | | | |
| 57 | | | | | | | | | | | | manganiferous | | | | | | | | |
| 58 | | | | | | | | | | | | ferruginous | | | | | | | | |
| 59 | | | | | | | | | | | | ferromanganiferous | | | | | | | | |
| 60 | | | | | | | | | | | | organic | | | | | | | | |
| 61 | | | | | | | | | | | | not identified | | | | | | | | |
| 62 | | | | | | | | | | | | other | | | | | | | | |
| 63 | | | | | | | | | | | | Amount (1 per layer) | | | | | | | | |
| 64 | | | | | | | | | | | | 1 2 3 4 5 | | | | | | | | |
| 65 | | | | | | | | | | | | none | | | | | | | | |
| 66 | | | | | | | | | | | | very few (<2%) | | | | | | | | |
| 67 | | | | | | | | | | | | few (2-10%) | | | | | | | | |
| 68 | | | | | | | | | | | | common (10-20%) | | | | | | | | |
| 69 | | | | | | | | | | | | many (20-50%) | | | | | | | | |
| 70 | | | | | | | | | | | | abundant (>50%) | | | | | | | | |
| 71 | | | | | | | | | | | | Strength (1 per layer) | | | | | | | | |
| 72 | | | | | | | | | | | | 1 2 3 4 5 | | | | | | | | |
| 73 | | | | | | | | | | | | weak | | | | | | | | |
| 74 | | | | | | | | | | | | strong | | | | | | | | |
| 75 | | | | | | | | | | | | Form (1 per layer) | | | | | | | | |
| 76 | | | | | | | | | | | | 1 2 3 4 5 | | | | | | | | |
| 77 | | | | | | | | | | | | soft segregations | | | | | | | | |
| 78 | | | | | | | | | | | | nodules | | | | | | | | |
| 79 | | | | | | | | | | | | fragments | | | | | | | | |
| 80 | | | | | | | | | | | | crystals | | | | | | | | |
| 81 | | | | | | | | | | | | veins | | | | | | | | |
| 82 | | | | | | | | | | | | concretions | | | | | | | | |
| 83 | | | | | | | | | | | | root linings | | | | | | | | |
| 84 | | | | | | | | | | | | tubules | | | | | | | | |
| 85 | | | | | | | | | | | | Size (1 per layer) | | | | | | | | |
| 86 | | | | | | | | | | | | 1 2 3 4 5 | | | | | | | | |
| 87 | | | | | | | | | | | | fine (<2 mm) | | | | | | | | |
| 88 | | | | | | | | | | | | medium (2-6 mm) | | | | | | | | |
| 89 | | | | | | | | | | | | coarse (6-20 mm) | | | | | | | | |
| 90 | | | | | | | | | | | | v coarse (20-60 mm) | | | | | | | | |
| 91 | | | | | | | | | | | | ext coarse (>60 mm) | | | | | | | | |
| 92 | | | | | | | | | | | | Soil Water Status | | | | | | | | |
| 93 | | | | | | | | | | | | (1 each per layer) | | | | | | | | |
| 94 | | | | | | | | | | | | 1 2 3 4 5 | | | | | | | | |
| 95 | | | | | | | | | | | | dry | | | | | | | | |
| 96 | | | | | | | | | | | | mod. moist | | | | | | | | |
| 97 | | | | | | | | | | | | moist | | | | | | | | |
| 98 | | | | | | | | | | | | wet | | | | | | | | |
| 99 | | | | | | | | | | | | TEXTURE | | | | | | | | |
| 100 | | | | | | | | | | | | (1 each per layer) | | | | | | | | |
| 101 | | | | | | | | | | | | Texture Grade | | | | | | | | |
| 102 | | | | | | | | | | | | 1 2 3 4 5 | | | | | | | | |
| 103 | | | | | | | | | | | | sand | | | | | | | | |
| 104 | | | | | | | | | | | | loamy sand | | | | | | | | |
| 105 | | | | | | | | | | | | clayey sand | | | | | | | | |
| 106 | | | | | | | | | | | | sandy loam | | | | | | | | |
| 107 | | | | | | | | | | | | loam | | | | | | | | |
| 108 | | | | | | | | | | | | silty loam | | | | | | | | |
| 109 | | | | | | | | | | | | sandy clay loam | | | | | | | | |
| 110 | | | | | | | | | | | | clay loam | | | | | | | | |
| 111 | | | | | | | | | | | | clay loam sandy | | | | | | | | |
| 112 | | | | | | | | | | | | silty clay loam | | | | | | | | |
| 113 | | | | | | | | | | | | sandy clay | | | | | | | | |
| 114 | | | | | | | | | | | | silty clay | | | | | | | | |
| 115 | | | | | | | | | | | | clay | | | | | | | | |
| 116 | | | | | | | | | | | | fibric peat | | | | | | | | |
| 117 | | | | | | | | | | | | hemic peat | | | | | | | | |
| 118 | | | | | | | | | | | | sapric peat | | | | | | | | |
| 119 | | | | | | | | | | | | Sand Fraction | | | | | | | | |
| 120 | | | | | | | | | | | | 1 2 3 4 5 | | | | | | | | |
| 121 | | | | | | | | | | | | coarse | | | | | | | | |
| 122 | | | | | | | | | | | | fine | | | | | | | | |
| 123 | | | | | | | | | | | | Clay Fraction | | | | | | | | |
| 124 | | | | | | | | | | | | 1 2 3 4 5 | | | | | | | | |
| 125 | | | | | | | | | | | | light | | | | | | | | |
| 126 | | | | | | | | | | | | light medium | | | | | | | | |
| 127 | | | | | | | | | | | | medium | | | | | | | | |
| 128 | | | | | | | | | | | | medium heavy | | | | | | | | |
| 129 | | | | | | | | | | | | heavy | | | | | | | | |

SURVEY TITLE: R I X S C R E E K B S A L

SITE LOCATION: O P E N P A D D O C K

| PROFILE MAP DETAILS | | | | SURVEY DETAILS | | | |
|---------------------|---------------|----------|-----------|----------------|--------------|-----------------|---------------|
| Profile No. | Map Sheet No. | Eastings | Northings | Described By | Profile Date | Photo Taken (1) | No. of Layers |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |

| Potential BSAL? (1) | Site type (1) |
|---------------------|--|
| yes (1) no (2) | checked (1) detailed (2) exclusion (3) |

SOIL TYPE

A.S.C.

O

SO

GG

SG

FAMILY

C

G.S.G.

(A)

(B)

(C)

(D)

(E)

(F)

(G)

(H)

(I)

(J)

(K)

(L)

(M)

(N)

(O)

(P)

(Q)

(R)

(S)

(T)

(U)

(V)

(W)

(X)

(Y)

affinity with

VEGETATION

Vegetation Community (1)

unknown (1)

rainforest (2)

wet sclerophyll forest (3)

dry sclerophyll forest (4)

woodland grass u'storey (5)

woodland shrub u'storey (6)

tall shrubland (7)

low shrubland (8)

heath (9)

grassland/herbland (10)

swamp complex (11)

littoral complex (12)

no vegetation (13)

Growth Forms (4)

tree (1)

tree mallee (2)

shrub (3)

mallee shrub (4)

heath shrub (5)

chenopod shrub (6)

hummock grass (7)

tussock grass (8)

sod grass (9)

sedge (10)

rush (11)

forb (12)

fern/cycad (13)

moss (14)

lichen (15)

liverwort (16)

vine (17)

LAND USE (1)

national/state parks (1)

timber/scrub/unused (2)

logged native forest (3)

hardwood plantation (4)

softwood plantation (5)

volun./native pasture (6)

improved pasture (7)

cropping (8)

orchard/vineyard (9)

vegetables/flowers (10)

urban (11)

industrial (12)

quarry/mining (13)

other (14)

LANDFORM ELEMENT (1)

alcove (43)

backplain (31)

bank (25)

bar (6)

beach (26)

beach ridge (7)

bench (19)

berm (29)

blow-out (59)

channel bench (33)

cirque (50)

cliff (5)

cone (3)

crater (51)

cut face (28)

cut-over surface (39)

dam (16)

drainage depression (41)

dune (11)

embankment (14)

estuary (44)

fan (27)

fill top (40)

flood-out (32)

footslope (21)

foredune (12)

gully (42)

hillcrest (1)

hillslope (47)

lagoon (54)

lake (55)

landslide (20)

levee (8)

lunette (13)

maar (53)

mound (15)

ox-bow (57)

pan/playa (56)

pediment (22)

pit (60)

plain (30)

prior stream (9)

rock flat (34)

rock platform (35)

scald (36)

scarp (18)

scree (24)

scroll (10)

sink hole/doline (52)

stream channel (46)

streambed (45)

summit surface (2)

swale (47)

swamp (58)

talus (23)

tidal creek (48)

tidal flat (37)

tor (4)

trench (49)

valley flat (38)

LITHOLOGY

Substrate (3)

not identified (1)

unconsolidated (2)

gravel (3)

sand (4)

silt (5)

clay (6)

organic material (7)

alluvium (8)

colluvium (9)

lacustrine (10)

aeolian (11)

marine (12)

calcareous sand (13)

fill (14)

mud (15)

till (16)

sedimentary (17)

shale (18)

siltstone/mudstone (19)

sandstone-quartz (20)

sandstone-lithic (21)

conglomerate (22)

limestone (23)

tuff (24)

breccia (25)

greywacke (26)

arkose (27)

dolomite (28)

calcrete (29)

aeolianite (30)

chert (31)

jasper (32)

metamorphic (33)

gneiss (34)

schist/phylite (35)

slate (36)

hornfels (37)

quartzite (38)

greenstone (39)

amphibolite (40)

marble (41)

igneous (42)

coarse-acidic (43)

coarse-intermediate (44)

coarse-basic (45)

fine-acidic (46)

fine-intermediate (47)

fine-basic (48)

serpentine (49)

gabbro (50)

dolerite (51)

diorite (52)

syenite (53)

granodiorite (54)

adamellite (55)

granite (56)

aplite (57)

quartz porphyry (58)

basalt (59)

andesite (60)

trachyte (61)

rhyolite (62)

obsidian (63)

scoria (64)

ash (65)

agglomerate (66)

other (67)

TOPOGRAPHY

Slope Percent

0 (1)

1 (2)

2 (3)

3 (4)

4 (5)

5 (6)

6 (7)

7 (8)

8 (9)

9 (10)

Slope Measurement Method (1)

inclinometer (3)

Abney level (4)

total station (5)

RTK GPS (6)

LIDAR (7)

Microrelief Type (1)

none (2)

normal gilgai (3)

crabhole gilgai (4)

linear gilgai (5)

lattice gilgai (6)

melonhole gilgai (7)

other (8)

Site Morphology (1)

flat (1)

crest (2)

hillock (3)

ridge (4)

upper slope (5)

midslope (6)

simple slope (7)

lower slope (8)

open depression (9)

closed depression (10)

Slope Morphology (1)

waxing (2)

waning (3)

maximal (4)

minimal (5)

Aspect (1)

N (1)

NE (2)

E (3)

SE (4)

S (5)

SW (6)

W (7)

NW (8)

HYDROLOGY

Profile Drainage (1)

very poorly drained (1)

poorly drained (2)

imperfectly drained (3)

mod. well-drained (4)

well-drained (5)

rapidly drained (6)

Permeability (1)

very slowly permeable (1)

slowly permeable (2)

moderately permeable (3)

highly permeable (4)

Depth (1) & Extent (1)

≤ 500 mm depth (1)

> 500 mm depth (2)

≤ 50% area (1)

> 50% area (2)

SITE FIELD NOTES

| SITE CONDITION | | Current (2) | Expected |
|------------------------------|--------------------------|-------------|----------|
| | | Wet (2) | Dry (2) |
| Site Disturbance(s) (2) | Ground Cover % | | |
| natural disturbance (1) | cracked (2) | (2) | (2) |
| no effective disturbance (2) | self-mulched (3) | (3) | (3) |
| limited clearing (3) | loose (4) | (4) | (4) |
| extensive clearing (4) | soft (5) | (5) | (5) |
| cleared, no cultivation (5) | firm (6) | (6) | (6) |
| occasional cultivation (6) | hardset (7) | (7) | (7) |
| rainfed cultivation (7) | surface crust (8) | (8) | (8) |
| irrigated cultivation (8) | trampled (9) | (9) | (9) |
| highly disturbed (9) | poached (10) | (10) | (10) |
| | recently cultivated (11) | | |
| | water repellent (12) | | (12) |
| | gravelly (1) | | |
| | other (13) | (13) | (13) |

Please do not mark this space.

4633



NSW SOIL AND LAND INFORMATION SYSTEM


Please MARK LIKE THIS ONLY:

- Use 2B pencil
- No pen or biro
- Fully erase mistakes
- Make no stray marks
- Numbers in () show max. entries allowed

| | | | | | | | | | | | | | | | | | | | | |
|-----|-----------------|---------------------|-------------------------|-------------------------|-------------|---------------|----------|-------------|----|----|--|--|---|-----|-----|-----|-----|-----|-----|-----|
| cm | mm | 0 | 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 110 | 120 | 130 | 140 | 150 | 160 | 170 | 180 |
| 1 | LAYER STATUS | | COLOUR (Munsell, 1994) | | | | Field pH | LAYER NOTES | | | | Field pH Test Method (1) | | | | | | | | |
| | Lower | Horizon | Moist Munsell | | Dry Munsell | (1 per layer) | 1 | | | | | Raupach (1) test strip (3) pH meter (2) | | | | | | | | |
| 2 | (1) (1) (1) (1) | (3) (B) (F) (2) (2) | (2.5) (H) (8) (17) (0) | (2.5) (H) (8) (17) (0) | (0) (0) (0) | | | | | | HCl (1) | | | | | | | | | |
| 3 | (2) (2) (2) (2) | (4) (C) (O) (3) (3) | (7.5) (Y) (P) (2.5) (2) | (7.5) (Y) (P) (2.5) (2) | (2) (2) (2) | | | | | | no effervescence (1) (1) (1) (1) (1) audible/slight efferv. (2) (2) (2) (2) (2) strong effervescence (3) (3) (3) (3) (3) | | | | | | | | | |
| 4 | (3) (3) (3) (3) | AB P | (10) (N) (3) (3) | (10) (N) (3) (3) | (3) (3) (3) | | | | | | Boundary Distinctiveness | | | | | | | | | |
| 5 | (4) (4) (4) (4) | AC R | (G) (4) (4) | (G) (4) (4) | (4) (4) (4) | | | | | | (1 per layer) 1 2 3 4 5 | | | | | | | | | |
| 6 | (5) (5) (5) (5) | BC | (G) (5) (5) | (G) (5) (5) | (5) (5) (5) | | | | | | not evident (1) (1) (1) (1) (1) | | | | | | | | | |
| 7 | (6) (6) (6) (6) | | (G) (6) (6) | (G) (6) (6) | (6) (6) (6) | | | | | | sharp (<5 mm) (2) (2) (2) (2) (2) | | | | | | | | | |
| 8 | (7) (7) (7) (7) | | (G) (7) (7) | (G) (7) (7) | (7) (7) (7) | | | | | | abrupt (5-20 mm) (3) (3) (3) (3) (3) | | | | | | | | | |
| 9 | (8) (8) (8) (8) | | (G) (8) (8) | (G) (8) (8) | (8) (8) (8) | | | | | | clear (20-50 mm) (4) (4) (4) (4) (4) | | | | | | | | | |
| 10 | (9) (9) (9) (9) | | (G) (9) (9) | (G) (9) (9) | (9) (9) (9) | | | | | | gradual (50-100 mm) (5) (5) (5) (5) (5) | | | | | | | | | |
| 11 | | | | | | | | | | | diffuse (>100 mm) (6) (6) (6) (6) (6) | | | | | | | | | |
| 12 | LAYER STATUS | | COLOUR (Munsell, 1994) | | | | Field pH | 2 | | | | | STRUCTURE | | | | | | | |
| 13 | Lower | Horizon | Moist Munsell | | Dry Munsell | (1 per layer) | 2 | | | | | Grade of Pedality (1) 1 2 3 4 5 | | | | | | | | |
| 14 | (1) (1) (1) (1) | (3) (B) (F) (2) (2) | (2.5) (H) (8) (17) (0) | (2.5) (H) (8) (17) (0) | (0) (0) (0) | | | | | | single-grained (1) (1) (1) (1) (1) | | | | | | | | | |
| 15 | (2) (2) (2) (2) | (4) (C) (O) (3) (3) | (7.5) (Y) (P) (2.5) (2) | (7.5) (Y) (P) (2.5) (2) | (2) (2) (2) | | | | | | massive (2) (2) (2) (2) (2) | | | | | | | | | |
| 16 | (3) (3) (3) (3) | AB P | (10) (N) (3) (3) | (10) (N) (3) (3) | (3) (3) (3) | | | | | | weak pedality (3) (3) (3) (3) (3) | | | | | | | | | |
| 17 | (4) (4) (4) (4) | AC R | (G) (4) (4) | (G) (4) (4) | (4) (4) (4) | | | | | | moderate pedality (4) (4) (4) (4) (4) | | | | | | | | | |
| 18 | (5) (5) (5) (5) | BC | (G) (5) (5) | (G) (5) (5) | (5) (5) (5) | | | | | | strong pedality (5) (5) (5) (5) (5) | | | | | | | | | |
| 19 | (6) (6) (6) (6) | | (G) (6) (6) | (G) (6) (6) | (6) (6) (6) | | | | | | Fabric (1) 1 2 3 4 5 | | | | | | | | | |
| 20 | (7) (7) (7) (7) | | (G) (7) (7) | (G) (7) (7) | (7) (7) (7) | | | | | | sandy (1) (1) (1) (1) (1) | | | | | | | | | |
| 21 | (8) (8) (8) (8) | | (G) (8) (8) | (G) (8) (8) | (8) (8) (8) | | | | | | earthy (2) (2) (2) (2) (2) | | | | | | | | | |
| 22 | (9) (9) (9) (9) | | (G) (9) (9) | (G) (9) (9) | (9) (9) (9) | | | | | | rough-faced peds (3) (3) (3) (3) (3) | | | | | | | | | |
| 23 | | | | | | | | | | | smooth-faced peds (4) (4) (4) (4) (4) | | | | | | | | | |
| 24 | LAYER STATUS | | COLOUR (Munsell, 1994) | | | | Field pH | 3 | | | | | Dominant (1) Ped Shape Sub-dominant (1) | | | | | | | |
| 25 | Lower | Horizon | Moist Munsell | | Dry Munsell | (1 per layer) | 3 | | | | | 1 2 3 4 5 1 2 3 4 5 | | | | | | | | |
| 26 | (1) (1) (1) (1) | (3) (B) (F) (2) (2) | (2.5) (H) (8) (17) (0) | (2.5) (H) (8) (17) (0) | (0) (0) (0) | | | | | | (1) (1) (1) (1) (1) | | | | | | | | | |
| 27 | (2) (2) (2) (2) | (4) (C) (O) (3) (3) | (7.5) (Y) (P) (2.5) (2) | (7.5) (Y) (P) (2.5) (2) | (2) (2) (2) | | | | | | (2) (2) (2) (2) (2) | | | | | | | | | |
| 28 | (3) (3) (3) (3) | AB P | (10) (N) (3) (3) | (10) (N) (3) (3) | (3) (3) (3) | | | | | | (3) (3) (3) (3) (3) | | | | | | | | | |
| 29 | (4) (4) (4) (4) | AC R | (G) (4) (4) | (G) (4) (4) | (4) (4) (4) | | | | | | (4) (4) (4) (4) (4) | | | | | | | | | |
| 30 | (5) (5) (5) (5) | BC | (G) (5) (5) | (G) (5) (5) | (5) (5) (5) | | | | | | (5) (5) (5) (5) (5) | | | | | | | | | |
| 31 | (6) (6) (6) (6) | | (G) (6) (6) | (G) (6) (6) | (6) (6) (6) | | | | | | (6) (6) (6) (6) (6) | | | | | | | | | |
| 32 | (7) (7) (7) (7) | | (G) (7) (7) | (G) (7) (7) | (7) (7) (7) | | | | | | (7) (7) (7) (7) (7) | | | | | | | | | |
| 33 | (8) (8) (8) (8) | | (G) (8) (8) | (G) (8) (8) | (8) (8) (8) | | | | | | (8) (8) (8) (8) (8) | | | | | | | | | |
| 34 | (9) (9) (9) (9) | | (G) (9) (9) | (G) (9) (9) | (9) (9) (9) | | | | | | (9) (9) (9) (9) (9) | | | | | | | | | |
| 35 | | | | | | | | | | | (10) (10) (10) (10) (10) | | | | | | | | | |
| 36 | LAYER STATUS | | COLOUR (Munsell, 1994) | | | | Field pH | 4 | | | | | Dominant (1) Ped Size Sub-dominant (1) | | | | | | | |
| 37 | Lower | Horizon | Moist Munsell | | Dry Munsell | (1 per layer) | 4 | | | | | 1 2 3 4 5 1 2 3 4 5 | | | | | | | | |
| 38 | (1) (1) (1) (1) | (3) (B) (F) (2) (2) | (2.5) (H) (8) (17) (0) | (2.5) (H) (8) (17) (0) | (0) (0) (0) | | | | | | (1) (1) (1) (1) (1) | | | | | | | | | |
| 39 | (2) (2) (2) (2) | (4) (C) (O) (3) (3) | (7.5) (Y) (P) (2.5) (2) | (7.5) (Y) (P) (2.5) (2) | (2) (2) (2) | | | | | | (2) (2) (2) (2) (2) | | | | | | | | | |
| 40 | (3) (3) (3) (3) | AB P | (10) (N) (3) (3) | (10) (N) (3) (3) | (3) (3) (3) | | | | | | (3) (3) (3) (3) (3) | | | | | | | | | |
| 41 | (4) (4) (4) (4) | AC R | (G) (4) (4) | (G) (4) (4) | (4) (4) (4) | | | | | | (4) (4) (4) (4) (4) | | | | | | | | | |
| 42 | (5) (5) (5) (5) | BC | (G) (5) (5) | (G) (5) (5) | (5) (5) (5) | | | | | | (5) (5) (5) (5) (5) | | | | | | | | | |
| 43 | (6) (6) (6) (6) | | (G) (6) (6) | (G) (6) (6) | (6) (6) (6) | | | | | | (6) (6) (6) (6) (6) | | | | | | | | | |
| 44 | (7) (7) (7) (7) | | (G) (7) (7) | (G) (7) (7) | (7) (7) (7) | | | | | | (7) (7) (7) (7) (7) | | | | | | | | | |
| 45 | (8) (8) (8) (8) | | (G) (8) (8) | (G) (8) (8) | (8) (8) (8) | | | | | | (8) (8) (8) (8) (8) | | | | | | | | | |
| 46 | (9) (9) (9) (9) | | (G) (9) (9) | (G) (9) (9) | (9) (9) (9) | | | | | | (9) (9) (9) (9) (9) | | | | | | | | | |
| 47 | | | | | | | | | | | (10) (10) (10) (10) (10) | | | | | | | | | |
| 48 | LAYER STATUS | | COLOUR (Munsell, 1994) | | | | Field pH | 5 | | | | | Dominant (1) Ped Size Sub-dominant (1) | | | | | | | |
| 49 | Lower | Horizon | Moist Munsell | | Dry Munsell | (1 per layer) | 5 | | | | | 1 2 3 4 5 1 2 3 4 5 | | | | | | | | |
| 50 | (1) (1) (1) (1) | (3) (B) (F) (2) (2) | (2.5) (H) (8) (17) (0) | (2.5) (H) (8) (17) (0) | (0) (0) (0) | | | | | | (1) (1) (1) (1) (1) | | | | | | | | | |
| 51 | (2) (2) (2) (2) | (4) (C) (O) (3) (3) | (7.5) (Y) (P) (2.5) (2) | (7.5) (Y) (P) (2.5) (2) | (2) (2) (2) | | | | | | (2) (2) (2) (2) (2) | | | | | | | | | |
| 52 | (3) (3) (3) (3) | AB P | (10) (N) (3) (3) | (10) (N) (3) (3) | (3) (3) (3) | | | | | | (3) (3) (3) (3) (3) | | | | | | | | | |
| 53 | (4) (4) (4) (4) | AC R | (G) (4) (4) | (G) (4) (4) | (4) (4) (4) | | | | | | (4) (4) (4) (4) (4) | | | | | | | | | |
| 54 | (5) (5) (5) (5) | BC | (G) (5) (5) | (G) (5) (5) | (5) (5) (5) | | | | | | (5) (5) (5) (5) (5) | | | | | | | | | |
| 55 | (6) (6) (6) (6) | | (G) (6) (6) | (G) (6) (6) | (6) (6) (6) | | | | | | (6) (6) (6) (6) (6) | | | | | | | | | |
| 56 | (7) (7) (7) (7) | | (G) (7) (7) | (G) (7) (7) | (7) (7) (7) | | | | | | (7) (7) (7) (7) (7) | | | | | | | | | |
| 57 | (8) (8) (8) (8) | | (G) (8) (8) | (G) (8) (8) | (8) (8) (8) | | | | | | (8) (8) (8) (8) (8) | | | | | | | | | |
| 58 | (9) (9) (9) (9) | | (G) (9) (9) | (G) (9) (9) | (9) (9) (9) | | | | | | (9) (9) (9) (9) (9) | | | | | | | | | |
| 59 | | | | | | | | | | | (10) (10) (10) (10) (10) | | | | | | | | | |
| 60 | LAYER STATUS | | COLOUR (Munsell, 1994) | | | | Field pH | 6 | | | | | Dominant (1) Ped Size Sub-dominant (1) | | | | | | | |
| 61 | Lower | Horizon | Moist Munsell | | Dry Munsell | (1 per layer) | 6 | | | | | 1 2 3 4 5 1 2 3 4 5 | | | | | | | | |
| 62 | (1) (1) (1) (1) | (3) (B) (F) (2) (2) | (2.5) (H) (8) (17) (0) | (2.5) (H) (8) (17) (0) | (0) (0) (0) | | | | | | (1) (1) (1) (1) (1) | | | | | | | | | |
| 63 | (2) (2) (2) (2) | (4) (C) (O) (3) (3) | (7.5) (Y) (P) (2.5) (2) | (7.5) (Y) (P) (2.5) (2) | (2) (2) (2) | | | | | | (2) (2) (2) (2) (2) | | | | | | | | | |
| 64 | (3) (3) (3) (3) | AB P | (10) (N) (3) (3) | (10) (N) (3) (3) | (3) (3) (3) | | | | | | (3) (3) (3) (3) (3) | | | | | | | | | |
| 65 | (4) (4) (4) (4) | AC R | (G) (4) (4) | (G) (4) (4) | (4) (4) (4) | | | | | | (4) (4) (4) (4) (4) | | | | | | | | | |
| 66 | (5) (5) (5) (5) | BC | (G) (5) (5) | (G) (5) (5) | (5) (5) (5) | | | | | | (5) (5) (5) (5) (5) | | | | | | | | | |
| 67 | (6) (6) (6) (6) | | (G) (6) (6) | (G) (6) (6) | (6) (6) (6) | | | | | | (6) (6) (6) (6) (6) | | | | | | | | | |
| 68 | (7) (7) (7) (7) | | (G) (7) (7) | (G) (7) (7) | (7) (7) (7) | | | | | | (7) (7) (7) (7) (7) | | | | | | | | | |
| 69 | (8) (8) (8) (8) | | (G) (8) (8) | (G) (8) (8) | (8) (8) (8) | | | | | | (8) (8) (8) (8) (8) | | | | | | | | | |
| 70 | (9) (9) (9) (9) | | (G) (9) (9) | (G) (9) (9) | (9) (9) (9) | | | | | | (9) (9) (9) (9) (9) | | | | | | | | | |
| 71 | | | | | | | | | | | (10) (10) (10) (10) (10) | | | | | | | | | |
| 72 | LAYER STATUS | | COLOUR (Munsell, 1994) | | | | Field pH | 7 | | | | | Dominant (1) Ped Size Sub-dominant (1) | | | | | | | |
| 73 | Lower | Horizon | Moist Munsell | | Dry Munsell | (1 per layer) | 7 | | | | | 1 2 3 4 5 1 2 3 4 5 | | | | | | | | |
| 74 | (1) (1) (1) (1) | (3) (B) (F) (2) (2) | (2.5) (H) (8) (17) (0) | (2.5) (H) (8) (17) (0) | (0) (0) (0) | | | | | | (1) (1) (1) (1) (1) | | | | | | | | | |
| 75 | (2) (2) (2) (2) | (4) (C) (O) (3) (3) | (7.5) (Y) (P) (2.5) (2) | (7.5) (Y) (P) (2.5) (2) | (2) (2) (2) | | | | | | (2) (2) (2) (2) (2) | | | | | | | | | |
| 76 | (3) (3) (3) (3) | AB P | (10) (N) (3) (3) | (10) (N) (3) (3) | (3) (3) (3) | | | | | | (3) (3) (3) (3) (3) | | | | | | | | | |
| 77 | (4) (4) (4) (4) | AC R | (G) (4) (4) | (G) (4) (4) | (4) (4) (4) | | | | | | (4) (4) (4) (4) (4) | | | | | | | | | |
| 78 | (5) (5) (5) (5) | BC | (G) (5) (5) | (G) (5) (5) | (5) (5) (5) | | | | | | (5) (5) (5) (5) (5) | | | | | | | | | |
| 79 | (6) (6) (6) (6) | | (G) (6) (6) | (G) (6) (6) | (6) (6) (6) | | | | | | (6) (6) (6) (6) (6) | | | | | | | | | |
| 80 | (7) (7) (7) (7) | | (G) (7) (7) | (G) (7) (7) | (7) (7) (7) | | | | | | (7) (7) (7) (7) (7) | | | | | | | | | |
| 81 | (8) (8) (8) (8) | | (G) (8) (8) | (G) (8) (8) | (8) (8) (8) | | | | | | (8) (8) (8) (8) (8) | | | | | | | | | |
| 82 | (9) (9) (9) (9) | | (G) (9) (9) | (G) (9) (9) | (9) (9) (9) | | | | | | (9) (9) (9) (9) (9) | | | | | | | | | |
| 83 | | | | | | | | | | | (10) (10) (10) (10) (10) | | | | | | | | | |
| 84 | LAYER STATUS | | COLOUR (Munsell, 1994) | | | | Field pH | 8 | | | | | Dominant (1) Ped Size Sub-dominant (1) | | | | | | | |
| 85 | Lower | Horizon | Moist Munsell | | Dry Munsell | (1 per layer) | 8 | | | | | 1 2 3 4 5 1 2 3 4 5 | | | | | | | | |
| 86 | (1) (1) (1) (1) | (3) (B) (F) (2) (2) | (2.5) (H) (8) (17) (0) | (2.5) (H) (8) (17) (0) | (0) (0) (0) | | | | | | (1) (1) (1) (1) (1) | | | | | | | | | |
| 87 | (2) (2) (2) (2) | (4) (C) (O) (3) (3) | (7.5) (Y) (P) (2.5) (2) | (7.5) (Y) (P) (2.5) (2) | (2) (2) (2) | | | | | | (2) (2) (2) (2) (2) | | | | | | | | | |
| 88 | (3) (3) (3) (3) | AB P | (10) (N) (3) (3) | (10) (N) (3) (3) | (3) (3) (3) | | | | | | (3) (3) (3) (3) (3) | | | | | | | | | |
| 89 | (4) (4) (4) (4) | AC R | (G) (4) (4) | (G) (4) (4) | (4) (4) (4) | | | | | | (4) (4) (4) (4) (4) | | | | | | | | | |
| 90 | (5) (5) (5) (5) | BC | (G) (5) (5) | (G) (5) (5) | (5) (5) (5) | | | | | | (5) (5) (5) (5) (5) | | | | | | | | | |
| 91 | (6) (6) (6) (6) | | (G) (6) (6) | (G) (6) (6) | (6) (6) (6) | | | | | | (6) (6) (6) (6) (6) | | | | | | | | | |
| 92 | (7) (7) (7) (7) | | (G) (7) (7) | (G) (7) (7) | (7) (7) (7) | | | | | | (7) (7) (7) (7) (7) | | | | | | | | | |
| 93 | (8) (8) (8) (8) | | (G) (8) (8) | (G) (8) (8) | (8) (8) (8) | | | | | | (8) (8) (8) (8) (8) | | | | | | | | | |
| 94 | (9) (9) (9) (9) | | (G) (9) (9) | (G) (9) (9) | (9) (9) (9) | | | | | | (9) (9) (9) (9) (9) | | | | | | | | | |
| 95 | | | | | | | | | | | (10) (10) (10) (10) (10) | | | | | | | | | |
| 96 | LAYER STATUS | | COLOUR (Munsell, 1994) | | | | Field pH | 9 | | | | | Dominant (1) Ped Size Sub-dominant (1) | | | | | | | |
| 97 | Lower | Horizon | Moist Munsell | | Dry Munsell | (1 per layer) | 9 | | | | | 1 2 3 4 5 1 2 3 4 5 | | | | | | | | |
| 98 | (1) (1) (1) (1) | (3) (B) (F) (2) (2) | (2.5) (H) (8) (17) (0) | (2.5) (H) (8) (17) (0) | (0) (0) (0) | | | | | | (1) (1) (1) (1) (1) | | | | | | | | | |
| 99 | (2) (2) (2) (2) | (4) (C) (O) (3) (3) | (7.5) (Y) (P) (2.5) (2) | (7.5) (Y) (P) (2.5) (2) | (2) (2) (2) | | | | | | (2) (2) (2) (2) (2) | | | | | | | | | |
| 100 | (3) (3) (3) (3) | AB P | (10) (N) (3) (3) | (10) (N) (3) (3) | (3) (3) (3) | | | | | | (3) (3) (3) (3) (3) | | | | | | | | | |
| 101 | (4) (4) (4) (4) | AC R | (G) (4) (4) | (G) (4) (4) | (4) (4) (4) | | | | | | (4) (4) (4) (4) (4) | | | | | | | | | |
| 102 | (5) (5) (5) (5) | BC | (G) (5) (5) | (G) (5) (5) | (5) (5) (5) | | | | | | (5) (5) (5) (5) (5) | | | | | | | | | |
| 103 | (6) (6) (6) (6) | | (G) (6) (6) | (G) (6) (6) | (6) (6) (6) | | | | | | (6) (6) (6) (6) (6) | | | | | | | | | |
| 104 | (7) (7) (7) (7) | | (G) (7) (7) | (G) (7) (7) | (7) (7) (7) | | | | | | (7) (7) (7) (7) (7) | | | | | | | | | |
| 105 | (8) (8) (8) (8) | | (G) (8) (8) | (G) (8) (8) | (8) (8) (8) | | | | | | (8) (8) (8) (8) (8) | | | | | | | | | |
| 106 | (9) (9) (9) (9) | | (G) (9) (9) | (G) (9) (9) | (9) (9) (9) | | | | | | (9) (9) (9) (9) (9) | | | | | | | | | |
| 107 | | | | | | | | | | | (10) (10) (10) (10) (10) | | | | | | | | | |
| 108 | LAYER STATUS | | COLOUR (Munsell, 1994) | | | | Field pH | 10 | | | | | Dominant (1) Ped Size Sub-dominant (1) | | | | | | | |
| 109 | Lower | Horizon | Moist Munsell | | Dry Munsell | (1 per layer) | 10 | | | | | 1 2 3 4 5 1 2 3 4 5 | | | | | | | | |
| 110 | (1) (1) (1) (1) | (3) (B) (F) (2) (2) | (2.5) (H) (8) (17) (0) | (2.5) (H) (8) (17) (0) | (0) (0) (0) | | | | | | (1) (1) (1) (1) (1) | | | | | | | | | |
| 111 | (2) (2) (2) (2) | (4) (C) (O) (3) (3) | (7.5) (Y) (P) (2.5) (2) | (7.5) (Y) (P) (2.5) (2) | (2) (2) (2) | | | | | | (2) (2) (2) (2) (2) | | | | | | | | | |
| 112 | (3) (3) (3) (3) | AB P | (10) (N) (3) (3) | (10) (N) (3) (3) | (3) (3) (3) | | | | | | (3) (3) (3) (3) (3) | | | | | | | | | |
| 113 | (4) (4) (4) (4) | AC R | (G) (4) (4) | (G) (4) (4) | (4) (4) (4) | | | | | | (4) (4) (4) (4) (4) | | | | | | | | | |
| 114 | (5) (5) (5) (5) | BC | (G) (5) (5) | (G) (5) (5) | (5) (5) (5) | | | | | | (5) (5) (5) (5) (5) | | | | | | | | | |
| 115 | (6) (6) (6) (6) | | (G) (6) (6) | (G) (6) (6) | (6) (6) (6) | | | | | | (6) (6) (6) (6) (6) | | | | | | | | | |
| 116 | (7) (7) (7) (7) | | (G) (7) (7) | (G) (7) (7) | (7) (7) (7) | | | | | | (7) (7) (7) (7) (7) | | | | | | | | | |
| 117 | (8) (8) (8) (8) | | (G) (8) (8) | (G) (8) (8) | (8) (8) (8) | | | | | | (8) (8) (8) (8) (8) | | | | | | | | | |
| 118 | (9) (9) (9) (9) | | (G) (9) (9) | (G) (9) (9) | (9) (9) (9) | | | | | | (9) (9) (9) (9) (9) | | | | | | | | | |
| 119 | | | | | | | | | | | (10) (10) (10) (10) (10) | | | | | | | | | |
| 120 | | | | | | | | | | | | | | | | | | | | |

SURVEY TITLE: R I X S C R E E K B S A L

SITE LOCATION: T R A C K A L O N G R I D G E

| PROFILE MAP DETAILS | | | | SURVEY DETAILS | | | | NSW GOVERNMENT | NSW SOIL AND LAND INFORMATION SYSTEM |
|--|---------------|-----------------------------|-----------|--|--------------|-----------------|---------------|---|---|
| Profile No. | Map Sheet No. | Eastings | Northings | Described By | Profile Date | Photo Taken (1) | No. of Layers | | |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |  | Please MARK LIKE THIS ONLY: • Use 2B pencil • No pen or biro • Fully erase mistakes • Make no stray marks • Numbers in () show max. entries allowed |
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| 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | | |
| 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | | |
| 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | | |
| 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | | |
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| 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | | |
| 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | | |
| Potential BSAL? (1) | | | | Site type (1) | | | | | |
| yes (1) no (2) | | | | checked (1) detailed (2) exclusion (3) | | | | | |
| BIOPHYSICAL STRATEGIC AGRICULTURAL LAND SOIL DATA CARD | | | | | | | | | |
| SOIL TYPE | | VEGETATION | | LANDFORM ELEMENT (1) | | | | | |
| A.S.C. | | Vegetation Community (1) | | alcove (33) cone (3) footslope (21) ox-bow (57) sink hole/doline (52) | | | | | |
| O | | unknown (1) | | backplain (31) crater (51) foredune (12) pan/playa (55) stream channel (45) | | | | | |
| H | | rainforest (2) | | bank (25) cut face (28) gully (42) pediment (22) streambed (45) | | | | | |
| SO | | wet sclerophyll forest (3) | | bar (6) cut-over surface (39) hillcrest (1) pit (60) summit surface (2) | | | | | |
| A | | dry sclerophyll forest (4) | | beach (26) dam (16) hillslope (5) plain (30) swale (47) | | | | | |
| B | | woodland grass u'storey (5) | | beach ridge (7) drainage depression (41) lagoon (54) prior stream (9) swamp (58) | | | | | |
| GG | | woodland shrub u'storey (6) | | bench (19) dune (11) lake (55) rock flat (34) talus (23) | | | | | |
| H | | tall shrubland (7) | | berm (29) embankment (14) landslide (20) rock platform (35) tidal creek (48) | | | | | |
| SG | | low shrubland (8) | | blow-out (59) estuary (44) levee (8) scald (36) tidal flat (37) | | | | | |
| E | | heath (9) | | channel bench (33) fan (27) lunette (13) scarp (18) tor (4) | | | | | |
| O | | grassland/herbland (10) | | cirque (50) fill top (40) maar (53) scree (24) trench (49) | | | | | |
| B | | swamp complex (11) | | cliff (5) flood-out (32) mound (15) scroll (10) valley flat (38) | | | | | |
| FAMILY | | no vegetation (13) | | | | | | | |
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| 1 | LAYER STATUS | | COLOUR (Munsell, 1994) | | | | Field pH | LAYER NOTES | | | | Field pH Test Method (1) | | | | | | | | |
| | Lower | Horizon | Moist Munsell | | Dry Munsell | (1 per layer) | 1 | | | | | Raupach test strip pH meter | | | | | | | | |
| 2 | 1 1 1 1 | 3 B F 2 2 | 2.5 R 8.5 17 0 | 2.5 R 8.5 17 0 | 0 0 0 | 1 1 1 | | | | | | HCl (1) | | | | | | | | |
| | 2 2 2 2 | 4 C O 3 3 | 7.5 Y P 2.5 2 | 7.5 Y P 2.5 2 | 2 2 2 | 2 2 2 | | | | | | no effervescence | | | | | | | | |
| 3 | 3 3 3 3 | AB P | 10 N 3 3 | 10 N 3 3 | 3 3 3 | 3 3 3 | | | | | | audible/slight efferv. | | | | | | | | |
| | 4 4 4 4 | AC R | GY 4 4 | GY 4 4 | 4 4 4 | 4 4 4 | | | | | | strong effervescence | | | | | | | | |
| | 5 5 5 5 | BC | G 5 5 | G 5 5 | 5 5 5 | 5 5 5 | | | | | | Boundary Distinctiveness | | | | | | | | |
| 4 | 6 6 6 6 | | | | 6 6 6 | 6 6 6 | | | | | | (1 per layer) 1 2 3 4 5 | | | | | | | | |
| | 7 7 7 7 | | | | 7 7 7 | 7 7 7 | | | | | | not evident | | | | | | | | |
| | 8 8 8 8 | | | | 8 8 8 | 8 8 8 | | | | | | sharp (<5 mm) | | | | | | | | |
| | 9 9 9 9 | | | | 9 9 9 | 9 9 9 | | | | | | abrupt (5-20 mm) | | | | | | | | |
| 5 | 1 1 1 1 | 3 B F 2 2 | 2.5 R 8.5 17 0 | 2.5 R 8.5 17 0 | 0 0 0 | 1 1 1 | | | | | | clear (20-50 mm) | | | | | | | | |
| | 2 2 2 2 | 4 C O 3 3 | 7.5 Y P 2.5 2 | 7.5 Y P 2.5 2 | 2 2 2 | 2 2 2 | | | | | | gradual (50-100 mm) | | | | | | | | |
| 6 | 3 3 3 3 | AB P | 10 N 3 3 | 10 N 3 3 | 3 3 3 | 3 3 3 | | | | | | diffuse (>100 mm) | | | | | | | | |
| | 4 4 4 4 | AC R | GY 4 4 | GY 4 4 | 4 4 4 | 4 4 4 | | | | | | STRUCTURE | | | | | | | | |
| | 5 5 5 5 | BC | G 5 5 | G 5 5 | 5 5 5 | 5 5 5 | | | | | | Grade of Pedality (1) 1 2 3 4 5 | | | | | | | | |
| 7 | 6 6 6 6 | | | | 6 6 6 | 6 6 6 | | | | | | single-grained | | | | | | | | |
| | 7 7 7 7 | | | | 7 7 7 | 7 7 7 | | | | | | massive | | | | | | | | |
| | 8 8 8 8 | | | | 8 8 8 | 8 8 8 | | | | | | weak pedality | | | | | | | | |
| | 9 9 9 9 | | | | 9 9 9 | 9 9 9 | | | | | | moderate pedality | | | | | | | | |
| 8 | 1 1 1 1 | 3 B F 2 2 | 2.5 R 8.5 17 0 | 2.5 R 8.5 17 0 | 0 0 0 | 1 1 1 | | | | | | strong pedality | | | | | | | | |
| | 2 2 2 2 | 4 C O 3 3 | 7.5 Y P 2.5 2 | 7.5 Y P 2.5 2 | 2 2 2 | 2 2 2 | | | | | | Fabric (1) 1 2 3 4 5 | | | | | | | | |
| 9 | 3 3 3 3 | AB P | 10 N 3 3 | 10 N 3 3 | 3 3 3 | 3 3 3 | | | | | | sandy | | | | | | | | |
| | 4 4 4 4 | AC R | GY 4 4 | GY 4 4 | 4 4 4 | 4 4 4 | | | | | | earthy | | | | | | | | |
| | 5 5 5 5 | BC | G 5 5 | G 5 5 | 5 5 5 | 5 5 5 | | | | | | rough-faced peds | | | | | | | | |
| 10 | 6 6 6 6 | | | | 6 6 6 | 6 6 6 | | | | | | smooth-faced peds | | | | | | | | |
| | 7 7 7 7 | | | | 7 7 7 | 7 7 7 | | | | | | Dominant (1) | | | | | | | | |
| | 8 8 8 8 | | | | 8 8 8 | 8 8 8 | | | | | | Ped Shape | | | | | | | | |
| | 9 9 9 9 | | | | 9 9 9 | 9 9 9 | | | | | | Sub-dominant (1) | | | | | | | | |
| 11 | 1 1 1 1 | 3 B F 2 2 | 2.5 R 8.5 17 0 | 2.5 R 8.5 17 0 | 0 0 0 | 1 1 1 | | | | | | 1 2 3 4 5 | | | | | | | | |
| | 2 2 2 2 | 4 C O 3 3 | 7.5 Y P 2.5 2 | 7.5 Y P 2.5 2 | 2 2 2 | 2 2 2 | | | | | | platy | | | | | | | | |
| | 3 3 3 3 | AB P | 10 N 3 3 | 10 N 3 3 | 3 3 3 | 3 3 3 | | | | | | lenticular | | | | | | | | |
| | 4 4 4 4 | AC R | GY 4 4 | GY 4 4 | 4 4 4 | 4 4 4 | | | | | | prismatic | | | | | | | | |
| | 5 5 5 5 | BC | G 5 5 | G 5 5 | 5 5 5 | 5 5 5 | | | | | | columnar | | | | | | | | |
| 12 | 6 6 6 6 | | | | 6 6 6 | 6 6 6 | | | | | | angular blocky | | | | | | | | |
| | 7 7 7 7 | | | | 7 7 7 | 7 7 7 | | | | | | sub-ang. blocky | | | | | | | | |
| | 8 8 8 8 | | | | 8 8 8 | 8 8 8 | | | | | | polyhedral | | | | | | | | |
| | 9 9 9 9 | | | | 9 9 9 | 9 9 9 | | | | | | granular | | | | | | | | |
| 13 | 1 1 1 1 | 3 B F 2 2 | 2.5 R 8.5 17 0 | 2.5 R 8.5 17 0 | 0 0 0 | 1 1 1 | | | | | | crumb | | | | | | | | |
| | 2 2 2 2 | 4 C O 3 3 | 7.5 Y P 2.5 2 | 7.5 Y P 2.5 2 | 2 2 2 | 2 2 2 | | | | | | round | | | | | | | | |
| | 3 3 3 3 | AB P | 10 N 3 3 | 10 N 3 3 | 3 3 3 | 3 3 3 | | | | | | Dominant (1) | | | | | | | | |
| | 4 4 4 4 | AC R | GY 4 4 | GY 4 4 | 4 4 4 | 4 4 4 | | | | | | Ped Size | | | | | | | | |
| | 5 5 5 5 | BC | G 5 5 | G 5 5 | 5 5 5 | 5 5 5 | | | | | | Sub-dominant (1) | | | | | | | | |
| 14 | 6 6 6 6 | | | | 6 6 6 | 6 6 6 | | | | | | 1 2 3 4 5 | | | | | | | | |
| | 7 7 7 7 | | | | 7 7 7 | 7 7 7 | | | | | | <2 mm | | | | | | | | |
| | 8 8 8 8 | | | | 8 8 8 | 8 8 8 | | | | | | 2-5 mm | | | | | | | | |
| | 9 9 9 9 | | | | 9 9 9 | 9 9 9 | | | | | | 5-10 mm | | | | | | | | |
| 15 | 1 1 1 1 | 3 B F 2 2 | 2.5 R 8.5 17 0 | 2.5 R 8.5 17 0 | 0 0 0 | 1 1 1 | | | | | | 10-20 mm | | | | | | | | |
| | 2 2 2 2 | 4 C O 3 3 | 7.5 Y P 2.5 2 | 7.5 Y P 2.5 2 | 2 2 2 | 2 2 2 | | | | | | 20-50 mm | | | | | | | | |
| | 3 3 3 3 | AB P | 10 N 3 3 | 10 N 3 3 | 3 3 3 | 3 3 3 | | | | | | 50-100 mm | | | | | | | | |
| | 4 4 4 4 | AC R | GY 4 4 | GY 4 4 | 4 4 4 | 4 4 4 | | | | | | 100-200 mm | | | | | | | | |
| | 5 5 5 5 | BC | G 5 5 | G 5 5 | 5 5 5 | 5 5 5 | | | | | | 200-500 mm | | | | | | | | |
| 16 | 6 6 6 6 | | | | 6 6 6 | 6 6 6 | | | | | | > 500 mm | | | | | | | | |
| | 7 7 7 7 | | | | 7 7 7 | 7 7 7 | | | | | | SEGREGATIONS | | | | | | | | |
| | 8 8 8 8 | | | | 8 8 8 | 8 8 8 | | | | | | Soil Water Status | | | | | | | | |
| | 9 9 9 9 | | | | 9 9 9 | 9 9 9 | | | | | | (1 each per layer) | | | | | | | | |
| 17 | 1 1 1 1 | 3 B F 2 2 | 2.5 R 8.5 17 0 | 2.5 R 8.5 17 0 | 0 0 0 | 1 1 1 | | | | | | 1 2 3 4 5 | | | | | | | | |
| | 2 2 2 2 | 4 C O 3 3 | 7.5 Y P 2.5 2 | 7.5 Y P 2.5 2 | 2 2 2 | 2 2 2 | | | | | | dry | | | | | | | | |
| | 3 3 3 3 | AB P | 10 N 3 3 | 10 N 3 3 | 3 3 3 | 3 3 3 | | | | | | mod. moist | | | | | | | | |
| | 4 4 4 4 | AC R | GY 4 4 | GY 4 4 | 4 4 4 | 4 4 4 | | | | | | moist | | | | | | | | |
| | 5 5 5 5 | BC | G 5 5 | G 5 5 | 5 5 5 | 5 5 5 | | | | | | wet | | | | | | | | |
| 18 | 6 6 6 6 | | | | 6 6 6 | 6 6 6 | | | | | | TEXTURE | | | | | | | | |
| | 7 7 7 7 | | | | 7 7 7 | 7 7 7 | | | | | | (1 each per layer) | | | | | | | | |
| | 8 8 8 8 | | | | 8 8 8 | 8 8 8 | | | | | | Texture Grade 1 2 3 4 5 | | | | | | | | |
| | 9 9 9 9 | | | | 9 9 9 | 9 9 9 | | | | | | sand | | | | | | | | |
| 19 | 1 1 1 1 | 3 B F 2 2 | 2.5 R 8.5 17 0 | 2.5 R 8.5 17 0 | 0 0 0 | 1 1 1 | | | | | | loamy sand | | | | | | | | |
| | 2 2 2 2 | 4 C O 3 3 | 7.5 Y P 2.5 2 | 7.5 Y P 2.5 2 | 2 2 2 | 2 2 2 | | | | | | clayey sand | | | | | | | | |
| | 3 3 3 3 | AB P | 10 N 3 3 | 10 N 3 3 | 3 3 3 | 3 3 3 | | | | | | sandy loam | | | | | | | | |
| | 4 4 4 4 | AC R | GY 4 4 | GY 4 4 | 4 4 4 | 4 4 4 | | | | | | loam | | | | | | | | |
| | 5 5 5 5 | BC | G 5 5 | G 5 5 | 5 5 5 | 5 5 5 | | | | | | silty loam | | | | | | | | |
| 20 | 6 6 6 6 | | | | 6 6 6 | 6 6 6 | | | | | | sandy clay loam | | | | | | | | |
| | 7 7 7 7 | | | | 7 7 7 | 7 7 7 | | | | | | clay loam | | | | | | | | |
| | 8 8 8 8 | | | | 8 8 8 | 8 8 8 | | | | | | clay loam sandy | | | | | | | | |
| | 9 9 9 9 | | | | 9 9 9 | 9 9 9 | | | | | | silty clay loam | | | | | | | | |
| 21 | 1 1 1 1 | 3 B F 2 2 | 2.5 R 8.5 17 0 | 2.5 R 8.5 17 0 | 0 0 0 | 1 1 1 | | | | | | clay | | | | | | | | |
| | 2 2 2 2 | 4 C O 3 3 | 7.5 Y P 2.5 2 | 7.5 Y P 2.5 2 | 2 2 2 | 2 2 2 | | | | | | fibric peat | | | | | | | | |
| | 3 3 3 3 | AB P | 10 N 3 3 | 10 N 3 3 | 3 3 3 | 3 3 3 | | | | | | hemic peat | | | | | | | | |
| | 4 4 4 4 | AC R | GY 4 4 | GY 4 4 | 4 4 4 | 4 4 4 | | | | | | sapric peat | | | | | | | | |
| | 5 5 5 5 | BC | G 5 5 | G 5 5 | 5 5 5 | 5 5 5 | | | | | | Sand Fraction | | | | | | | | |
| 22 | 6 6 6 6 | | | | 6 6 6 | 6 6 6 | | | | | | coarse | | | | | | | | |
| | 7 7 7 7 | | | | 7 7 7 | 7 7 7 | | | | | | fine | | | | | | | | |
| | 8 8 8 8 | | | | 8 8 8 | 8 8 8 | | | | | | Clay Fraction | | | | | | | | |
| | 9 9 9 9 | | | | 9 9 9 | 9 9 9 | | | | | | 1 2 3 4 5 | | | | | | | | |
| 23 | 1 1 1 1 | 3 B F 2 2 | 2.5 R 8.5 17 0 | 2.5 R 8.5 17 0 | 0 0 0 | 1 1 1 | | | | | | light | | | | | | | | |
| | 2 2 2 2 | 4 C O 3 3 | 7.5 Y P 2.5 2 | 7.5 Y P 2.5 2 | 2 2 2 | 2 2 2 | | | | | | light medium | | | | | | | | |
| | 3 3 3 3 | AB P | 10 N 3 3 | 10 N 3 3 | 3 3 3 | 3 3 3 | | | | | | medium | | | | | | | | |
| | 4 4 4 4 | AC R | GY 4 4 | GY 4 4 | 4 4 4 | 4 4 4 | | | | | | medium heavy | | | | | | | | |
| | 5 5 5 5 | BC | G 5 5 | G 5 5 | 5 5 5 | 5 5 5 | | | | | | heavy | | | | | | | | |
| 24 | 6 6 6 6 | | | | 6 6 6 | 6 6 6 | | | | | | | | | | | | | | |
| | 7 7 7 7 | | | | 7 7 7 | 7 7 7 | | | | | | | | | | | | | | |
| | 8 8 8 8 | | | | 8 8 8 | 8 8 8 | | | | | | | | | | | | | | |
| | 9 9 9 9 | | | | 9 9 9 | 9 9 9 | | | | | | | | | | | | | | |
| 25 | 1 1 1 1 | 3 B F 2 2 | 2.5 R 8.5 17 0 | 2.5 R 8.5 17 0 | 0 0 0 | 1 1 1 | | | | | | | | | | | | | | |
| | 2 2 2 2 | 4 C O 3 3 | 7.5 Y P 2.5 2 | 7.5 Y P 2.5 2 | 2 2 2 | 2 2 2 | | | | | | | | | | | | | | |
| | 3 3 3 3 | AB P | 10 N 3 3 | 10 N 3 3 | 3 3 3 | 3 3 3 | | | | | | | | | | | | | | |
| | 4 4 4 4 | AC R | GY 4 4 | GY 4 4 | 4 4 4 | 4 4 4 | | | | | | | | | | | | | | |
| | 5 5 5 5 | BC | G 5 5 | G 5 5 | 5 5 5 | 5 5 5 | | | | | | | | | | | | | | |
| 26 | 6 6 6 6 | | | | 6 6 6 | 6 6 6 | | | | | | | | | | | | | | |
| | 7 7 7 7 | | | | 7 7 7 | 7 7 7 | | | | | | | | | | | | | | |
| | 8 8 8 8 | | | | 8 8 8 | 8 8 8 | | | | | | | | | | | | | | |
| | 9 9 9 9 | | | | 9 9 9 | 9 9 9 | | | | | | | | | | | | | | |
| 27 | 1 1 1 1 | 3 B F 2 2 | 2.5 R 8.5 17 0 | 2.5 R 8.5 17 0 | 0 0 0 | 1 1 1 | | | | | | | | | | | | | | |
| | 2 2 2 2 | 4 C O 3 3 | 7.5 Y P 2.5 2 | 7.5 Y P 2.5 2 | 2 2 2 | 2 2 2 | | | | | | | | | | | | | | |
| | 3 3 3 3 | AB P | 10 N 3 3 | 10 N 3 3 | 3 3 3 | 3 3 3 | | | | | | | | | | | | | | |
| | 4 4 4 4 | AC R | GY 4 4 | GY 4 4 | 4 4 4 | 4 4 4 | | | | | | | | | | | | | | |
| | 5 5 5 5 | BC | G 5 5 | G 5 5 | 5 5 5 | 5 5 5 | | | | | | | | | | | | | | |
| 28 | 6 6 6 6 | | | | 6 6 6 | 6 6 6 | | | | | | | | | | | | | | |
| | 7 7 7 7 | | | | 7 7 7 | 7 7 7 | | | | | | | | | | | | | | |
| | 8 8 8 8 | | | | 8 8 8 | 8 8 8 | | | | | | | | | | | | | | |
| | 9 9 9 9 | | | | 9 9 9 | 9 9 9 | | | | | | | | | | | | | | |
| 29 | 1 1 1 1 | 3 B F 2 2 | 2.5 R 8.5 17 0 | 2.5 R 8.5 17 0 | 0 0 0 | 1 1 1 | | | | | | | | | | | | | | |
| | 2 2 2 2 | 4 C O 3 3 | 7.5 Y P 2.5 2 | 7.5 Y P 2.5 2 | 2 2 2 | 2 2 2 | | | | | | | | | | | | | | |
| | 3 3 3 3 | AB P | 10 N 3 3 | 10 N 3 3 | 3 3 3 | 3 3 3 | | | | | | | | | | | | | | |
| | 4 4 4 4 | AC R | GY 4 4 | GY 4 4 | 4 4 4 | 4 4 4 | | | | | | | | | | | | | | |
| | 5 5 5 5 | BC | G 5 5 | G 5 5 | 5 5 5 | 5 5 5 | | | | | | | | | | | | | | |
| | 6 6 6 6 | | | | 6 6 6 | 6 6 6 | | | | | | | | | | | | | | |
| | 7 7 7 7 | | | | 7 7 7 | 7 7 7 | | | | | | | | | | | | | | |
| | 8 8 8 8 | | | | 8 8 8 | 8 8 8 | | | | | | | | | | | | | | |
| | 9 9 9 9 | | | | 9 9 9 | 9 9 9 | | | | | | | | | | | | | | |
| | 1 1 1 1 | 3 B F 2 2 | 2.5 R 8.5 17 0 | 2.5 R 8.5 17 0 | 0 0 0 | 1 1 1 | | | | | | | | | | | | | | |
| | 2 2 2 2 | 4 C O 3 3 | 7.5 Y P 2.5 2 | 7.5 Y P 2.5 2 | 2 2 2 | 2 2 2 | | | | | | | | | | | | | | |
| | 3 3 3 3 | AB P | 10 N 3 3 | 10 N 3 3 | 3 3 3 | 3 3 3 | | | | | | | | | | | | | | |
| | 4 4 4 4 | AC R | GY 4 4 | GY 4 4 | 4 4 4 | 4 4 4 | | | | | | | | | | | | | | |
| | 5 5 5 5 | BC | G 5 5 | G 5 5 | 5 5 5 | 5 5 5 | | | | | | | | | | | | | | |
| | 6 6 6 6 | | | | 6 6 6 | 6 6 6 | | | | | | | | | | | | | | |
| | 7 7 7 7 | | | | 7 7 7 | 7 7 7 | | | | | | | | | | | | | | |
| | 8 8 8 8 | | | | 8 8 8 | 8 8 8 | | | | | | | | | | | | | | |
| | 9 9 9 9 | | | | 9 9 9 | 9 9 9 | | | | | | | | | | | | | | |
| | 1 1 1 1 | 3 B F 2 2 | 2.5 R 8.5 17 0 | 2.5 R 8.5 17 0 | 0 0 0 | 1 1 1 | | | | | | | | | | | | | | |
| | 2 2 2 2 | 4 C O 3 3 | 7.5 Y P 2.5 2 | 7.5 Y P 2.5 2 | 2 2 2 | 2 2 2 | | | | | | | | | | | | | | |
| | 3 3 3 3 | AB P | 10 N 3 3 | 10 N 3 3 | 3 3 3 | 3 3 3 | | | | | | | | | | | | | | |
| | 4 4 4 4 | AC R | GY 4 4 | GY 4 4 | 4 4 4 | 4 4 4 | | | | | | | | | | | | | | |
| | 5 5 5 5 | BC | G 5 5 | G 5 5 | 5 5 5 | 5 5 5 | | | | | | | | | | | | | | |
| | 6 6 6 6 | | | | 6 6 6 | 6 6 6 | | | | | | | | | | | | | | |
| | 7 7 7 7 | | | | 7 7 7 | 7 7 7 | | | | | | | | | | | | | | |
| | 8 8 8 8 | | | | 8 8 8 | 8 8 8 | | | | | | | | | | | | | | |
| | 9 9 9 9 | | | | 9 9 9 | 9 9 9 | | | | | | | | | | | | | | |
| | 1 1 1 1 | 3 B F 2 2 | 2.5 R 8.5 17 0 | 2.5 R 8.5 17 0 | 0 0 0 | 1 1 1 | | | | | | | | | | | | | | |
| | 2 2 2 2 | 4 C O 3 3 | 7.5 Y P 2.5 2 | 7.5 Y P 2.5 2 | 2 2 2 | 2 2 2 | | | | | | | | | | | | | | |
| | 3 3 3 3 | AB P | 10 N 3 3 | 10 N 3 3 | 3 3 3 | 3 3 3 | | | | | | | | | | | | | | |
| | 4 4 4 4 | AC R | GY 4 4 | GY 4 4 | | | | | | | | | | | | | | | | |

[illegible]

| | | | | | | | | | | | | | | | | | | | | |
|----|--------------|-----------|------------------------|-----------------|-------------|---------------|----------|-------------|----|----|--|-----------------------------|-----|-----|-----|-----|-----|-----|-----|-----|
| cm | mm | 0 | 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 110 | 120 | 130 | 140 | 150 | 160 | 170 | 180 |
| 1 | LAYER STATUS | | COLOUR (Munsell, 1994) | | | | Field pH | LAYER NOTES | | | | Field pH Test Method (1) | | | | | | | | |
| | Lower | Horizon | Moist Munsell | | Dry Munsell | (1 per layer) | 1 | | | | | Raupach test strip pH meter | | | | | | | | |
| 2 | 1 1 1 1 | 3 B F 2 2 | 2.5 R 8.5 1.7 0 | 2.5 R 8.5 1.7 0 | 1 1 1 | | | | | | HCl (1) | | | | | | | | | |
| | 2 2 2 2 | 4 C O 3 3 | 7.5 Y P 2.5 2 | 7.5 Y P 2.5 2 | 2 2 | | | | | | no effervescence | | | | | | | | | |
| 3 | 3 3 3 3 | AB P | 10 N 3 3 | 10 N 3 3 | 3 3 | | | | | | audible/slight efferv. | | | | | | | | | |
| | 4 4 4 4 | AC R | GY 4 4 | GY 4 4 | 4 4 | | | | | | strong effervescence | | | | | | | | | |
| | 5 5 5 5 | BC | G 5 5 | G 5 5 | 5 5 | | | | | | Boundary Distinctiveness | | | | | | | | | |
| 4 | 6 6 6 6 | | | | 6 6 | | | | | | (1 per layer) 1 2 3 4 5 | | | | | | | | | |
| | 7 7 7 7 | | | | 7 7 | | | | | | not evident | | | | | | | | | |
| | 8 8 8 8 | | | | 8 8 | | | | | | sharp (<5 mm) | | | | | | | | | |
| | 9 9 9 9 | | | | 9 9 | | | | | | abrupt (5-20 mm) | | | | | | | | | |
| 5 | 1 1 1 1 | 3 B F 2 2 | 2.5 R 8.5 1.7 0 | 2.5 R 8.5 1.7 0 | 1 1 1 | | | | | | clear (20-50 mm) | | | | | | | | | |
| | 2 2 2 2 | 4 C O 3 3 | 7.5 Y P 2.5 2 | 7.5 Y P 2.5 2 | 2 2 | | | | | | gradual (50-100 mm) | | | | | | | | | |
| 6 | 3 3 3 3 | AB P | 10 N 3 3 | 10 N 3 3 | 3 3 | | | | | | diffuse (>100 mm) | | | | | | | | | |
| | 4 4 4 4 | AC R | GY 4 4 | GY 4 4 | 4 4 | | | | | | STRUCTURE | | | | | | | | | |
| | 5 5 5 5 | BC | G 5 5 | G 5 5 | 5 5 | | | | | | Grade of Pedality (1) 1 2 3 4 5 | | | | | | | | | |
| 7 | 6 6 6 6 | | | | 6 6 | | | | | | single-grained | | | | | | | | | |
| | 7 7 7 7 | | | | 7 7 | | | | | | massive | | | | | | | | | |
| | 8 8 8 8 | | | | 8 8 | | | | | | weak pedality | | | | | | | | | |
| | 9 9 9 9 | | | | 9 9 | | | | | | moderate pedality | | | | | | | | | |
| 8 | 1 1 1 1 | 3 B F 2 2 | 2.5 R 8.5 1.7 0 | 2.5 R 8.5 1.7 0 | 1 1 1 | | | | | | strong pedality | | | | | | | | | |
| | 2 2 2 2 | 4 C O 3 3 | 7.5 Y P 2.5 2 | 7.5 Y P 2.5 2 | 2 2 | | | | | | Fabric (1) 1 2 3 4 5 | | | | | | | | | |
| 9 | 3 3 3 3 | AB P | 10 N 3 3 | 10 N 3 3 | 3 3 | | | | | | sandy | | | | | | | | | |
| | 4 4 4 4 | AC R | GY 4 4 | GY 4 4 | 4 4 | | | | | | earthy | | | | | | | | | |
| | 5 5 5 5 | BC | G 5 5 | G 5 5 | 5 5 | | | | | | rough-faced peds | | | | | | | | | |
| 10 | 6 6 6 6 | | | | 6 6 | | | | | | smooth-faced peds | | | | | | | | | |
| | 7 7 7 7 | | | | 7 7 | | | | | | Dominant (1) 1 2 3 4 5 | | | | | | | | | |
| | 8 8 8 8 | | | | 8 8 | | | | | | Ped Shape | | | | | | | | | |
| | 9 9 9 9 | | | | 9 9 | | | | | | Sub-dominant (1) 1 2 3 4 5 | | | | | | | | | |
| 11 | 1 1 1 1 | 3 B F 2 2 | 2.5 R 8.5 1.7 0 | 2.5 R 8.5 1.7 0 | 1 1 1 | | | | | | platy | | | | | | | | | |
| | 2 2 2 2 | 4 C O 3 3 | 7.5 Y P 2.5 2 | 7.5 Y P 2.5 2 | 2 2 | | | | | | lenticular | | | | | | | | | |
| | 3 3 3 3 | AB P | 10 N 3 3 | 10 N 3 3 | 3 3 | | | | | | prismatic | | | | | | | | | |
| | 4 4 4 4 | AC R | GY 4 4 | GY 4 4 | 4 4 | | | | | | columnar | | | | | | | | | |
| | 5 5 5 5 | BC | G 5 5 | G 5 5 | 5 5 | | | | | | angular blocky | | | | | | | | | |
| 12 | 6 6 6 6 | | | | 6 6 | | | | | | sub-ang. blocky | | | | | | | | | |
| | 7 7 7 7 | | | | 7 7 | | | | | | polyhedral | | | | | | | | | |
| | 8 8 8 8 | | | | 8 8 | | | | | | granular | | | | | | | | | |
| | 9 9 9 9 | | | | 9 9 | | | | | | crumb | | | | | | | | | |
| 13 | 1 1 1 1 | 3 B F 2 2 | 2.5 R 8.5 1.7 0 | 2.5 R 8.5 1.7 0 | 1 1 1 | | | | | | round | | | | | | | | | |
| | 2 2 2 2 | 4 C O 3 3 | 7.5 Y P 2.5 2 | 7.5 Y P 2.5 2 | 2 2 | | | | | | Dominant (1) 1 2 3 4 5 | | | | | | | | | |
| | 3 3 3 3 | AB P | 10 N 3 3 | 10 N 3 3 | 3 3 | | | | | | Ped Size | | | | | | | | | |
| | 4 4 4 4 | AC R | GY 4 4 | GY 4 4 | 4 4 | | | | | | Sub-dominant (1) 1 2 3 4 5 | | | | | | | | | |
| | 5 5 5 5 | BC | G 5 5 | G 5 5 | 5 5 | | | | | | <2 mm | | | | | | | | | |
| 14 | 6 6 6 6 | | | | 6 6 | | | | | | 2-5 mm | | | | | | | | | |
| | 7 7 7 7 | | | | 7 7 | | | | | | 5-10 mm | | | | | | | | | |
| | 8 8 8 8 | | | | 8 8 | | | | | | 10-20 mm | | | | | | | | | |
| | 9 9 9 9 | | | | 9 9 | | | | | | 20-50 mm | | | | | | | | | |
| 15 | 1 1 1 1 | 3 B F 2 2 | 2.5 R 8.5 1.7 0 | 2.5 R 8.5 1.7 0 | 1 1 1 | | | | | | 50-100 mm | | | | | | | | | |
| | 2 2 2 2 | 4 C O 3 3 | 7.5 Y P 2.5 2 | 7.5 Y P 2.5 2 | 2 2 | | | | | | 100-200 mm | | | | | | | | | |
| | 3 3 3 3 | AB P | 10 N 3 3 | 10 N 3 3 | 3 3 | | | | | | 200-500 mm | | | | | | | | | |
| | 4 4 4 4 | AC R | GY 4 4 | GY 4 4 | 4 4 | | | | | | > 500 mm | | | | | | | | | |
| | 5 5 5 5 | BC | G 5 5 | G 5 5 | 5 5 | | | | | | SEGREGATIONS | | | | | | | | | |
| 16 | 6 6 6 6 | | | | 6 6 | | | | | | Type (1 per layer) 1 2 3 4 5 | | | | | | | | | |
| | 7 7 7 7 | | | | 7 7 | | | | | | not evident | | | | | | | | | |
| | 8 8 8 8 | | | | 8 8 | | | | | | calcareous | | | | | | | | | |
| | 9 9 9 9 | | | | 9 9 | | | | | | gypseous | | | | | | | | | |
| 17 | 1 1 1 1 | 3 B F 2 2 | 2.5 R 8.5 1.7 0 | 2.5 R 8.5 1.7 0 | 1 1 1 | | | | | | manganiferous | | | | | | | | | |
| | 2 2 2 2 | 4 C O 3 3 | 7.5 Y P 2.5 2 | 7.5 Y P 2.5 2 | 2 2 | | | | | | ferruginous | | | | | | | | | |
| | 3 3 3 3 | AB P | 10 N 3 3 | 10 N 3 3 | 3 3 | | | | | | ferromanganiferous | | | | | | | | | |
| | 4 4 4 4 | AC R | GY 4 4 | GY 4 4 | 4 4 | | | | | | organic | | | | | | | | | |
| | 5 5 5 5 | BC | G 5 5 | G 5 5 | 5 5 | | | | | | not identified | | | | | | | | | |
| 18 | 6 6 6 6 | | | | 6 6 | | | | | | other | | | | | | | | | |
| | 7 7 7 7 | | | | 7 7 | | | | | | Amount (1 per layer) 1 2 3 4 5 | | | | | | | | | |
| | 8 8 8 8 | | | | 8 8 | | | | | | none | | | | | | | | | |
| | 9 9 9 9 | | | | 9 9 | | | | | | very few (<2%) | | | | | | | | | |
| 19 | 1 1 1 1 | 3 B F 2 2 | 2.5 R 8.5 1.7 0 | 2.5 R 8.5 1.7 0 | 1 1 1 | | | | | | few (2-10%) | | | | | | | | | |
| | 2 2 2 2 | 4 C O 3 3 | 7.5 Y P 2.5 2 | 7.5 Y P 2.5 2 | 2 2 | | | | | | common (10-20%) | | | | | | | | | |
| | 3 3 3 3 | AB P | 10 N 3 3 | 10 N 3 3 | 3 3 | | | | | | many (20-50%) | | | | | | | | | |
| | 4 4 4 4 | AC R | GY 4 4 | GY 4 4 | 4 4 | | | | | | abundant (>50%) | | | | | | | | | |
| | 5 5 5 5 | BC | G 5 5 | G 5 5 | 5 5 | | | | | | Strength (1 per layer) 1 2 3 4 5 | | | | | | | | | |
| 20 | 6 6 6 6 | | | | 6 6 | | | | | | weak | | | | | | | | | |
| | 7 7 7 7 | | | | 7 7 | | | | | | strong | | | | | | | | | |
| | 8 8 8 8 | | | | 8 8 | | | | | | Form (1 per layer) 1 2 3 4 5 | | | | | | | | | |
| | 9 9 9 9 | | | | 9 9 | | | | | | soft segregations | | | | | | | | | |
| 21 | 1 1 1 1 | 3 B F 2 2 | 2.5 R 8.5 1.7 0 | 2.5 R 8.5 1.7 0 | 1 1 1 | | | | | | nodules | | | | | | | | | |
| | 2 2 2 2 | 4 C O 3 3 | 7.5 Y P 2.5 2 | 7.5 Y P 2.5 2 | 2 2 | | | | | | fragments | | | | | | | | | |
| | 3 3 3 3 | AB P | 10 N 3 3 | 10 N 3 3 | 3 3 | | | | | | crystals | | | | | | | | | |
| | 4 4 4 4 | AC R | GY 4 4 | GY 4 4 | 4 4 | | | | | | veins | | | | | | | | | |
| | 5 5 5 5 | BC | G 5 5 | G 5 5 | 5 5 | | | | | | concretions | | | | | | | | | |
| 22 | 6 6 6 6 | | | | 6 6 | | | | | | root linings | | | | | | | | | |
| | 7 7 7 7 | | | | 7 7 | | | | | | tubules | | | | | | | | | |
| | 8 8 8 8 | | | | 8 8 | | | | | | Size (1 per layer) 1 2 3 4 5 | | | | | | | | | |
| | 9 9 9 9 | | | | 9 9 | | | | | | fine (<2 mm) | | | | | | | | | |
| 23 | 1 1 1 1 | 3 B F 2 2 | 2.5 R 8.5 1.7 0 | 2.5 R 8.5 1.7 0 | 1 1 1 | | | | | | medium (2-6 mm) | | | | | | | | | |
| | 2 2 2 2 | 4 C O 3 3 | 7.5 Y P 2.5 2 | 7.5 Y P 2.5 2 | 2 2 | | | | | | coarse (6-20 mm) | | | | | | | | | |
| | 3 3 3 3 | AB P | 10 N 3 3 | 10 N 3 3 | 3 3 | | | | | | v coarse (20-60 mm) | | | | | | | | | |
| | 4 4 4 4 | AC R | GY 4 4 | GY 4 4 | 4 4 | | | | | | ext coarse (>60 mm) | | | | | | | | | |
| | 5 5 5 5 | BC | G 5 5 | G 5 5 | 5 5 | | | | | | SOIL WATER STATUS | | | | | | | | | |
| 24 | 6 6 6 6 | | | | 6 6 | | | | | | Soil Water Status (1 each per layer) 1 2 3 4 5 | | | | | | | | | |
| | 7 7 7 7 | | | | 7 7 | | | | | | dry | | | | | | | | | |
| | 8 8 8 8 | | | | 8 8 | | | | | | mod. moist | | | | | | | | | |
| | 9 9 9 9 | | | | 9 9 | | | | | | moist | | | | | | | | | |
| 25 | 1 1 1 1 | 3 B F 2 2 | 2.5 R 8.5 1.7 0 | 2.5 R 8.5 1.7 0 | 1 1 1 | | | | | | wet | | | | | | | | | |
| | 2 2 2 2 | 4 C O 3 3 | 7.5 Y P 2.5 2 | 7.5 Y P 2.5 2 | 2 2 | | | | | | TEXTURE | | | | | | | | | |
| | 3 3 3 3 | AB P | 10 N 3 3 | 10 N 3 3 | 3 3 | | | | | | (1 each per layer) | | | | | | | | | |
| | 4 4 4 4 | AC R | GY 4 4 | GY 4 4 | 4 4 | | | | | | Texture Grade 1 2 3 4 5 | | | | | | | | | |
| | 5 5 5 5 | BC | G 5 5 | G 5 5 | 5 5 | | | | | | sand | | | | | | | | | |
| 26 | 6 6 6 6 | | | | 6 6 | | | | | | loamy sand | | | | | | | | | |
| | 7 7 7 7 | | | | 7 7 | | | | | | clayey sand | | | | | | | | | |
| | 8 8 8 8 | | | | 8 8 | | | | | | sandy loam | | | | | | | | | |
| | 9 9 9 9 | | | | 9 9 | | | | | | loam | | | | | | | | | |
| 27 | 1 1 1 1 | 3 B F 2 2 | 2.5 R 8.5 1.7 0 | 2.5 R 8.5 1.7 0 | 1 1 1 | | | | | | silty loam | | | | | | | | | |
| | 2 2 2 2 | 4 C O 3 3 | 7.5 Y P 2.5 2 | 7.5 Y P 2.5 2 | 2 2 | | | | | | sandy clay loam | | | | | | | | | |
| | 3 3 3 3 | AB P | 10 N 3 3 | 10 N 3 3 | 3 3 | | | | | | clay loam | | | | | | | | | |
| | 4 4 4 4 | AC R | GY 4 4 | GY 4 4 | 4 4 | | | | | | clay loam sandy | | | | | | | | | |
| | 5 5 5 5 | BC | G 5 5 | G 5 5 | 5 5 | | | | | | silty clay loam | | | | | | | | | |
| 28 | 6 6 6 6 | | | | 6 6 | | | | | | sandy clay | | | | | | | | | |
| | 7 7 7 7 | | | | 7 7 | | | | | | clay | | | | | | | | | |
| | 8 8 8 8 | | | | 8 8 | | | | | | fibric peat | | | | | | | | | |
| | 9 9 9 9 | | | | 9 9 | | | | | | hemic peat | | | | | | | | | |
| 29 | 1 1 1 1 | 3 B F 2 2 | 2.5 R 8.5 1.7 0 | 2.5 R 8.5 1.7 0 | 1 1 1 | | | | | | sapric peat | | | | | | | | | |
| | 2 2 2 2 | 4 C O 3 3 | 7.5 Y P 2.5 2 | 7.5 Y P 2.5 2 | 2 2 | | | | | | Sand Fraction 1 2 3 4 5 | | | | | | | | | |
| | 3 3 3 3 | AB P | 10 N 3 3 | 10 N 3 3 | 3 3 | | | | | | coarse | | | | | | | | | |
| | 4 4 4 4 | AC R | GY 4 4 | GY 4 4 | 4 4 | | | | | | fine | | | | | | | | | |
| | 5 5 5 5 | BC | G 5 5 | G 5 5 | 5 5 | | | | | | Clay Fraction 1 2 3 4 5 | | | | | | | | | |
| 30 | 6 6 6 6 | | | | 6 6 | | | | | | light | | | | | | | | | |
| | 7 7 7 7 | | | | 7 7 | | | | | | light medium | | | | | | | | | |
| | 8 8 8 8 | | | | 8 8 | | | | | | medium | | | | | | | | | |
| | 9 9 9 9 | | | | 9 9 | | | | | | medium heavy | | | | | | | | | |
| 31 | 1 1 1 1 | 3 B F 2 2 | 2.5 R 8.5 1.7 0 | 2.5 R 8.5 1.7 0 | 1 1 1 | | | | | | heavy | | | | | | | | | |
| | 2 2 2 2 | 4 C O 3 3 | 7.5 Y P 2.5 2 | 7.5 Y P 2.5 2 | 2 2 | | | | | | | | | | | | | | | |
| | 3 3 3 3 | AB P | 10 N 3 3 | 10 N 3 3 | 3 3 | | | | | | | | | | | | | | | |
| | 4 4 4 4 | AC R | GY 4 4 | GY 4 4 | 4 4 | | | | | | | | | | | | | | | |
| | 5 5 5 5 | BC | G 5 5 | G 5 5 | 5 5 | | | | | | | | | | | | | | | |
| 32 | 6 6 6 6 | | | | 6 6 | | | | | | | | | | | | | | | |
| | 7 7 7 7 | | | | 7 7 | | | | | | | | | | | | | | | |
| | 8 8 8 8 | | | | 8 8 | | | | | | | | | | | | | | | |
| | 9 9 9 9 | | | | 9 9 | | | | | | | | | | | | | | | |
| 33 | 1 1 1 1 | 3 B F 2 2 | 2.5 R 8.5 1.7 0 | 2.5 R 8.5 1.7 0 | 1 1 1 | | | | | | | | | | | | | | | |
| | 2 2 2 2 | 4 C O 3 3 | 7.5 Y P 2.5 2 | 7.5 Y P 2.5 2 | 2 2 | | | | | | | | | | | | | | | |
| | 3 3 3 3 | AB P | 10 N 3 3 | 10 N 3 3 | 3 3 | | | | | | | | | | | | | | | |
| | 4 4 4 4 | AC R | GY 4 4 | GY 4 4 | 4 4 | | | | | | | | | | | | | | | |
| | 5 5 5 5 | BC | G 5 5 | G 5 5 | 5 5 | | | | | | | | | | | | | | | |
| 34 | 6 6 6 6 | | | | 6 6 | | | | | | | | | | | | | | | |
| | 7 7 7 7 | | | | 7 7 | | | | | | | | | | | | | | | |
| | 8 8 8 8 | | | | 8 8 | | | | | | | | | | | | | | | |
| | 9 9 9 9 | | | | 9 9 | | | | | | | | | | | | | | | |
| 35 | 1 1 1 1 | 3 B F 2 2 | 2.5 R 8.5 1.7 0 | 2.5 R 8.5 1.7 0 | 1 1 1 | | | | | | | | | | | | | | | |
| | 2 2 2 2 | 4 C O 3 3 | 7.5 Y P 2.5 2 | 7.5 Y P 2.5 2 | 2 2 | | | | | | | | | | | | | | | |
| | 3 3 3 3 | AB P | 10 N 3 3 | 10 N 3 3 | 3 3 | | | | | | | | | | | | | | | |
| | 4 4 4 4 | AC R | GY 4 4 | GY 4 4 | 4 4 | | | | | | | | | | | | | | | |
| | 5 5 5 5 | BC | G 5 5 | G 5 5 | 5 5 | | | | | | | | | | | | | | | |
| 36 | 6 6 6 6 | | | | 6 6 | | | | | | | | | | | | | | | |
| | 7 7 7 7 | | | | 7 7 | | | | | | | | | | | | | | | |
| | 8 8 8 8 | | | | 8 8 | | | | | | | | | | | | | | | |
| | 9 9 9 9 | | | | 9 9 | | | | | | | | | | | | | | | |
| 37 | 1 1 1 1 | 3 B F 2 2 | 2.5 R 8.5 1.7 0 | 2.5 R 8.5 1.7 0 | 1 1 1 | | | | | | | | | | | | | | | |
| | 2 2 2 2 | 4 C O 3 3 | 7.5 Y P 2.5 2 | 7.5 Y P 2.5 2 | 2 2 | | | | | | | | | | | | | | | |
| | 3 3 3 3 | AB P | 10 N 3 3 | 10 N 3 3 | 3 3 | | | | | | | | | | | | | | | |
| | 4 4 4 4 | AC R | GY 4 4 | GY 4 4 | 4 4 | | | | | | | | | | | | | | | |
| | 5 5 5 5 | BC | G 5 5 | G 5 5 | 5 5 | | | | | | | | | | | | | | | |
| 38 | 6 6 6 6 | | | | 6 6 | | | | | | | | | | | | | | | |
| | 7 7 7 7 | | | | 7 7 | | | | | | | | | | | | | | | |
| | 8 8 8 8 | | | | 8 8 | | | | | | | | | | | | | | | |
| | 9 9 9 9 | | | | 9 9 | | | | | | | | | | | | | | | |
| 39 | 1 1 1 1 | 3 B F 2 2 | 2.5 R 8.5 1.7 0 | 2.5 R 8.5 1.7 0 | 1 1 1 | | | | | | | | | | | | | | | |
| | 2 2 2 2 | 4 C O 3 3 | 7.5 Y P 2.5 2 | 7.5 Y P 2.5 2 | 2 2 | | | | | | | | | | | | | | | |
| | 3 3 3 3 | AB P | 10 N 3 3 | 10 N 3 3 | 3 3 | | | | | | | | | | | | | | | |
| | 4 4 4 4 | AC R | GY 4 4 | GY 4 4 | | | | | | | | | | | | | | | | |

SITE LOCATION: DOWNSLOPE OF TRIG STATION

- Use 2B pencil
- No pen or biro
- Fully erase mistakes
- Make no stray marks
- Numbers in () show max. entries allowed

| | | | | | | | | | | | | | | | | | | | | |
|----|--------------|---|------------------------|----|---------------|----|---------------|-------------|---------------|----|--------------------------|--------------------------|-----|-----|----------------------|-----|-----|-----|-----|-----|
| cm | mm | 0 | 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 110 | 120 | 130 | 140 | 150 | 160 | 170 | 180 |
| 1 | LAYER STATUS | | COLOUR (Munsell, 1994) | | | | Field pH | LAYER NOTES | | | | Field pH Test Method (1) | | | | | | | | |
| | Lower | | Horizon | | Moist Munsell | | Dry Munsell | | (1 per layer) | 1 | Raupach test strip | | | | pH meter | | | | | |
| 2 | 1 1 1 1 | | 3 B F 2 2 | | 2.5 R 8G 17 0 | | 2.5 R 8G 17 0 | | 0 0 0 | 1 | no effervescence | | | | HCl (1) | | | | | |
| | 2 2 2 2 | | 4 C O 3 3 | | 7.5 Y P 2.5 2 | | 7.5 Y P 2.5 2 | | 2 2 2 | 2 | audible/slight efferv. | | | | strong effervescence | | | | | |
| 3 | 3 3 3 3 | | AB P | | 4 N 3 3 | | 4 N 3 3 | | 3 3 3 | 3 | Boundary Distinctiveness | | | | | | | | | |
| | 4 4 4 4 | | AC R | | 4 G 4 4 | | 4 G 4 4 | | 4 4 4 | 4 | (1 per layer) | | | | 1 2 3 4 5 | | | | | |
| | 5 5 5 5 | | BC | | 5 5 5 | | 5 5 5 | | 5 5 5 | 5 | not evident | | | | sharp (<5 mm) | | | | | |
| 4 | 6 6 6 6 | | | | 6 6 6 | | 6 6 6 | | 6 6 6 | 6 | abrupt (5-20 mm) | | | | clear (20-50 mm) | | | | | |
| | 7 7 7 7 | | | | 7 7 7 | | 7 7 7 | | 7 7 7 | 7 | gradual (50-100 mm) | | | | diffuse (>100 mm) | | | | | |
| | 8 8 8 8 | | | | 8 8 8 | | 8 8 8 | | 8 8 8 | 8 | STRUCTURE | | | | | | | | | |
| | 9 9 9 9 | | | | 9 9 9 | | 9 9 9 | | 9 9 9 | 9 | Grade of Pedality (1) | | | | 1 2 3 4 5 | | | | | |
| 5 | 1 1 1 1 | | 3 B F 2 2 | | 2.5 R 8G 17 0 | | 2.5 R 8G 17 0 | | 0 0 0 | 1 | single-grained | | | | massive | | | | | |
| | 2 2 2 2 | | 4 C O 3 3 | | 7.5 Y P 2.5 2 | | 7.5 Y P 2.5 2 | | 2 2 2 | 2 | weak pedality | | | | moderate pedality | | | | | |
| 6 | 3 3 3 3 | | AB P | | 4 N 3 3 | | 4 N 3 3 | | 3 3 3 | 3 | strong pedality | | | | Fabric (1) | | | | | |
| | 4 4 4 4 | | AC R | | 4 G 4 4 | | 4 G 4 4 | | 4 4 4 | 4 | sandy | | | | earthy | | | | | |
| | 5 5 5 5 | | BC | | 5 5 5 | | 5 5 5 | | 5 5 5 | 5 | rough-faced peds | | | | smooth-faced peds | | | | | |
| 7 | 6 6 6 6 | | | | 6 6 6 | | 6 6 6 | | 6 6 6 | 6 | Dominant (1) | | | | Ped Shape | | | | | |
| | 7 7 7 7 | | | | 7 7 7 | | 7 7 7 | | 7 7 7 | 7 | 1 2 3 4 5 | | | | 1 2 3 4 5 | | | | | |
| | 8 8 8 8 | | | | 8 8 8 | | 8 8 8 | | 8 8 8 | 8 | platy | | | | lenticular | | | | | |
| | 9 9 9 9 | | | | 9 9 9 | | 9 9 9 | | 9 9 9 | 9 | prismatic | | | | columnar | | | | | |
| 8 | 1 1 1 1 | | 3 B F 2 2 | | 2.5 R 8G 17 0 | | 2.5 R 8G 17 0 | | 0 0 0 | 1 | angular blocky | | | | sub-ang. blocky | | | | | |
| | 2 2 2 2 | | 4 C O 3 3 | | 7.5 Y P 2.5 2 | | 7.5 Y P 2.5 2 | | 2 2 2 | 2 | polyhedral | | | | granular | | | | | |
| 9 | 3 3 3 3 | | AB P | | 4 N 3 3 | | 4 N 3 3 | | 3 3 3 | 3 | crumb | | | | round | | | | | |
| | 4 4 4 4 | | AC R | | 4 G 4 4 | | 4 G 4 4 | | 4 4 4 | 4 | Dominant (1) | | | | Ped Size | | | | | |
| | 5 5 5 5 | | BC | | 5 5 5 | | 5 5 5 | | 5 5 5 | 5 | 1 2 3 4 5 | | | | 1 2 3 4 5 | | | | | |
| 10 | 6 6 6 6 | | | | 6 6 6 | | 6 6 6 | | 6 6 6 | 6 | <2 mm | | | | 2-5 mm | | | | | |
| | 7 7 7 7 | | | | 7 7 7 | | 7 7 7 | | 7 7 7 | 7 | 5-10 mm | | | | 10-20 mm | | | | | |
| | 8 8 8 8 | | | | 8 8 8 | | 8 8 8 | | 8 8 8 | 8 | 20-50 mm | | | | 50-100 mm | | | | | |
| | 9 9 9 9 | | | | 9 9 9 | | 9 9 9 | | 9 9 9 | 9 | 100-200 mm | | | | 200-500 mm | | | | | |
| 11 | 1 1 1 1 | | 3 B F 2 2 | | 2.5 R 8G 17 0 | | 2.5 R 8G 17 0 | | 0 0 0 | 1 | Soil Water Status | | | | (1 each per layer) | | | | | |
| | 2 2 2 2 | | 4 C O 3 3 | | 7.5 Y P 2.5 2 | | 7.5 Y P 2.5 2 | | 2 2 2 | 2 | 1 2 3 4 5 | | | | 1 2 3 4 5 | | | | | |
| 12 | 3 3 3 3 | | AB P | | 4 N 3 3 | | 4 N 3 3 | | 3 3 3 | 3 | dry | | | | mod. moist | | | | | |
| | 4 4 4 4 | | AC R | | 4 G 4 4 | | 4 G 4 4 | | 4 4 4 | 4 | moist | | | | wet | | | | | |
| | 5 5 5 5 | | BC | | 5 5 5 | | 5 5 5 | | 5 5 5 | 5 | TEXTURE | | | | (1 each per layer) | | | | | |
| 13 | 6 6 6 6 | | | | 6 6 6 | | 6 6 6 | | 6 6 6 | 6 | Texture Grade | | | | 1 2 3 4 5 | | | | | |
| | 7 7 7 7 | | | | 7 7 7 | | 7 7 7 | | 7 7 7 | 7 | sand | | | | loamy sand | | | | | |
| | 8 8 8 8 | | | | 8 8 8 | | 8 8 8 | | 8 8 8 | 8 | clayey sand | | | | sandy loam | | | | | |
| | 9 9 9 9 | | | | 9 9 9 | | 9 9 9 | | 9 9 9 | 9 | loam | | | | silty loam | | | | | |
| 14 | 1 1 1 1 | | 3 B F 2 2 | | 2.5 R 8G 17 0 | | 2.5 R 8G 17 0 | | 0 0 0 | 1 | sandy clay loam | | | | clay loam | | | | | |
| | 2 2 2 2 | | 4 C O 3 3 | | 7.5 Y P 2.5 2 | | 7.5 Y P 2.5 2 | | 2 2 2 | 2 | clay loam sandy | | | | silty clay loam | | | | | |
| 15 | 3 3 3 3 | | AB P | | 4 N 3 3 | | 4 N 3 3 | | 3 3 3 | 3 | sandy clay | | | | silty clay | | | | | |
| | 4 4 4 4 | | AC R | | 4 G 4 4 | | 4 G 4 4 | | 4 4 4 | 4 | clay | | | | fibric peat | | | | | |
| | 5 5 5 5 | | BC | | 5 5 5 | | 5 5 5 | | 5 5 5 | 5 | hemic peat | | | | sapric peat | | | | | |
| 16 | 6 6 6 6 | | | | 6 6 6 | | 6 6 6 | | 6 6 6 | 6 | Sand Fraction | | | | 1 2 3 4 5 | | | | | |
| | 7 7 7 7 | | | | 7 7 7 | | 7 7 7 | | 7 7 7 | 7 | coarse | | | | fine | | | | | |
| | 8 8 8 8 | | | | 8 8 8 | | 8 8 8 | | 8 8 8 | 8 | Clay Fraction | | | | 1 2 3 4 5 | | | | | |
| | 9 9 9 9 | | | | 9 9 9 | | 9 9 9 | | 9 9 9 | 9 | light | | | | light medium | | | | | |
| 17 | 1 1 1 1 | | 3 B F 2 2 | | 2.5 R 8G 17 0 | | 2.5 R 8G 17 0 | | 0 0 0 | 1 | medium | | | | medium heavy | | | | | |
| | 2 2 2 2 | | 4 C O 3 3 | | 7.5 Y P 2.5 2 | | 7.5 Y P 2.5 2 | | 2 2 2 | 2 | heavy | | | | | | | | | |
| 18 | 3 3 3 3 | | AB P | | 4 N 3 3 | | 4 N 3 3 | | 3 3 3 | 3 | SEGREGATIONS | | | | | | | | | |
| | 4 4 4 4 | | AC R | | 4 G 4 4 | | 4 G 4 4 | | 4 4 4 | 4 | Type (1 per layer) | | | | 1 2 3 4 5 | | | | | |
| | 5 5 5 5 | | BC | | 5 5 5 | | 5 5 5 | | 5 5 5 | 5 | not evident | | | | calcareous | | | | | |
| 19 | 6 6 6 6 | | | | 6 6 6 | | 6 6 6 | | 6 6 6 | 6 | gypseous | | | | manganiferous | | | | | |
| | 7 7 7 7 | | | | 7 7 7 | | 7 7 7 | | 7 7 7 | 7 | ferruginous | | | | ferromanganiferous | | | | | |
| | 8 8 8 8 | | | | 8 8 8 | | 8 8 8 | | 8 8 8 | 8 | organic | | | | not identified | | | | | |
| | 9 9 9 9 | | | | 9 9 9 | | 9 9 9 | | 9 9 9 | 9 | Amount (1 per layer) | | | | 1 2 3 4 5 | | | | | |
| 20 | 1 1 1 1 | | 3 B F 2 2 | | 2.5 R 8G 17 0 | | 2.5 R 8G 17 0 | | 0 0 0 | 1 | none | | | | very few (<2%) | | | | | |
| | 2 2 2 2 | | 4 C O 3 3 | | 7.5 Y P 2.5 2 | | 7.5 Y P 2.5 2 | | 2 2 2 | 2 | few (2-10%) | | | | common (10-20%) | | | | | |
| 21 | 3 3 3 3 | | AB P | | 4 N 3 3 | | 4 N 3 3 | | 3 3 3 | 3 | many (20-50%) | | | | abundant (>50%) | | | | | |
| | 4 4 4 4 | | AC R | | 4 G 4 4 | | 4 G 4 4 | | 4 4 4 | 4 | Strength (1 per layer) | | | | 1 2 3 4 5 | | | | | |
| | 5 5 5 5 | | BC | | 5 5 5 | | 5 5 5 | | 5 5 5 | 5 | weak | | | | strong | | | | | |
| 22 | 6 6 6 6 | | | | 6 6 6 | | 6 6 6 | | 6 6 6 | 6 | Form (1 per layer) | | | | 1 2 3 4 5 | | | | | |
| | 7 7 7 7 | | | | 7 7 7 | | 7 7 7 | | 7 7 7 | 7 | soft segregations | | | | nodules | | | | | |
| | 8 8 8 8 | | | | 8 8 8 | | 8 8 8 | | 8 8 8 | 8 | fragments | | | | crystals | | | | | |
| | 9 9 9 9 | | | | 9 9 9 | | 9 9 9 | | 9 9 9 | 9 | veins | | | | concretions | | | | | |
| 23 | 1 1 1 1 | | 3 B F 2 2 | | 2.5 R 8G 17 0 | | 2.5 R 8G 17 0 | | 0 0 0 | 1 | root linings | | | | tubules | | | | | |
| | 2 2 2 2 | | 4 C O 3 3 | | 7.5 Y P 2.5 2 | | 7.5 Y P 2.5 2 | | 2 2 2 | 2 | Size (1 per layer) | | | | 1 2 3 4 5 | | | | | |
| 24 | 3 3 3 3 | | AB P | | 4 N 3 3 | | 4 N 3 3 | | 3 3 3 | 3 | fine (<2 mm) | | | | medium (2-6 mm) | | | | | |
| | 4 4 4 4 | | AC R | | 4 G 4 4 | | 4 G 4 4 | | 4 4 4 | 4 | coarse (6-20 mm) | | | | v coarse (20-60 mm) | | | | | |
| | 5 5 5 5 | | BC | | 5 5 5 | | 5 5 5 | | 5 5 5 | 5 | ext coarse (>60 mm) | | | | | | | | | |
| 25 | 6 6 6 6 | | | | 6 6 6 | | 6 6 6 | | 6 6 6 | 6 | SUBSTRATE | | | | | | | | | |
| | 7 7 7 7 | | | | 7 7 7 | | 7 7 7 | | 7 7 7 | 7 | Upper | | | | | | | | | |
| | 8 8 8 8 | | | | 8 8 8 | | 8 8 8 | | 8 8 8 | 8 | Dominant (1) | | | | MOTTLES | | | | | |
| | 9 9 9 9 | | | | 9 9 9 | | 9 9 9 | | 9 9 9 | 9 | Sub-dominant (1) | | | | Abundance | | | | | |
| 26 | 1 1 1 1 | | 3 B F 2 2 | | 2.5 R 8G 17 0 | | 2.5 R 8G 17 0 | | 0 0 0 | 1 | not evident | | | | <2% | | | | | |
| | 2 2 2 2 | | 4 C O 3 3 | | 7.5 Y P 2.5 2 | | 7.5 Y P 2.5 2 | | 2 2 2 | 2 | 2-10% | | | | 10-20% | | | | | |
| 27 | 3 3 3 3 | | AB P | | 4 N 3 3 | | 4 N 3 3 | | 3 3 3 | 3 | 20-50% | | | | Colour | | | | | |
| | 4 4 4 4 | | AC R | | 4 G 4 4 | | 4 G 4 4 | | 4 4 4 | 4 | dark | | | | red | | | | | |
| | 5 5 5 5 | | BC | | 5 5 5 | | 5 5 5 | | 5 5 5 | 5 | orange | | | | yellow | | | | | |
| 28 | 6 6 6 6 | | | | 6 6 6 | | 6 6 6 | | 6 6 6 | 6 | brown | | | | pale | | | | | |
| | 7 7 7 7 | | | | 7 7 7 | | 7 7 7 | | 7 7 7 | 7 | grey | | | | grey | | | | | |
| | 8 8 8 8 | | | | 8 8 8 | | 8 8 8 | | 8 8 8 | 8 | Contrast | | | | 1 2 3 4 5 | | | | | |
| | 9 9 9 9 | | | | 9 9 9 | | 9 9 9 | | 9 9 9 | 9 | faint | | | | distinct | | | | | |
| 29 | 1 1 1 1 | | 3 B F 2 2 | | 2.5 R 8G 17 0 | | 2.5 R 8G 17 0 | | 0 0 0 | 1 | prominent | | | | | | | | | |
| | 2 2 2 2 | | 4 C O 3 3 | | 7.5 Y P 2.5 2 | | 7.5 Y P 2.5 2 | | 2 2 2 | 2 | | | | | | | | | | |
| | 3 3 3 3 | | AB P | | 4 N 3 3 | | 4 N 3 3 | | 3 3 3 | 3 | | | | | | | | | | |
| | 4 4 4 4 | | AC R | | 4 G 4 4 | | 4 G 4 4 | | 4 4 4 | 4 | | | | | | | | | | |
| | 5 5 5 5 | | BC | | 5 5 5 | | 5 5 5 | | 5 5 5 | 5 | | | | | | | | | | |
| | 6 6 6 6 | | | | 6 6 6 | | 6 6 6 | | 6 6 6 | 6 | | | | | | | | | | |
| | 7 7 7 7 | | | | 7 7 7 | | 7 7 7 | | 7 7 7 | 7 | | | | | | | | | | |
| | 8 8 8 8 | | | | 8 8 8 | | 8 8 8 | | 8 8 8 | 8 | | | | | | | | | | |
| | 9 9 9 9 | | | | 9 9 9 | | 9 9 9 | | 9 9 9 | 9 | | | | | | | | | | |
| | 1 1 1 1 | | 3 B F 2 2 | | 2.5 R 8G 17 0 | | 2.5 R 8G 17 0 | | 0 0 0 | 1 | | | | | | | | | | |
| | 2 2 2 2 | | 4 C O 3 3 | | 7.5 Y P 2.5 2 | | 7.5 Y P 2.5 2 | | 2 2 2 | 2 | | | | | | | | | | |
| | 3 3 3 3 | | AB P | | 4 N 3 3 | | 4 N 3 3 | | 3 3 3 | 3 | | | | | | | | | | |
| | 4 4 4 4 | | AC R | | 4 G 4 4 | | 4 G 4 4 | | 4 4 4 | 4 | | | | | | | | | | |
| | 5 5 5 5 | | BC | | 5 5 5 | | 5 5 5 | | 5 5 5 | 5 | | | | | | | | | | |
| | 6 6 6 6 | | | | 6 6 6 | | 6 6 6 | | 6 6 6 | 6 | | | | | | | | | | |
| | 7 7 7 7 | | | | 7 7 7 | | 7 7 7 | | 7 7 7 | 7 | | | | | | | | | | |
| | 8 8 8 8 | | | | 8 8 8 | | 8 8 8 | | 8 8 8 | 8 | | | | | | | | | | |
| | 9 9 9 9 | | | | 9 9 9 | | 9 9 9 | | 9 9 9 | 9 | | | | | | | | | | |
| | 1 1 1 1 | | 3 B F 2 2 | | 2.5 R 8G 17 0 | | 2.5 R 8G 17 0 | | 0 0 0 | 1 | | | | | | | | | | |
| | 2 2 2 2 | | 4 C O 3 3 | | 7.5 Y P 2.5 2 | | 7.5 Y P 2.5 2 | | 2 2 2 | 2 | | | | | | | | | | |
| | 3 3 3 3 | | AB P | | 4 N 3 3 | | 4 N 3 3 | | 3 3 3 | 3 | | | | | | | | | | |
| | 4 4 4 4 | | AC R | | 4 G 4 4 | | 4 G 4 4 | | 4 4 4 | 4 | | | | | | | | | | |
| | 5 5 5 5 | | BC | | 5 5 5 | | 5 5 5 | | 5 5 5 | 5 | | | | | | | | | | |
| | 6 6 6 6 | | | | 6 6 6 | | 6 6 6 | | 6 6 6 | 6 | | | | | | | | | | |
| | 7 7 7 7 | | | | 7 7 7 | | 7 7 7 | | 7 7 7 | 7 | | | | | | | | | | |
| | 8 8 8 8 | | | | 8 8 8 | | 8 8 8 | | 8 8 8 | 8 | | | | | | | | | | |
| | 9 9 9 9 | | | | 9 9 9 | | 9 9 9 | | 9 9 9 | 9 | | | | | | | | | | |
| | 1 1 1 1 | | 3 B F 2 2 | | 2.5 R 8G 17 0 | | 2.5 R 8G 17 0 | | 0 0 0 | 1 | | | | | | | | | | |
| | 2 2 2 2 | | 4 C O 3 3 | | 7.5 Y P 2.5 2 | | 7.5 Y P 2.5 2 | | 2 2 2 | 2 | | | | | | | | | | |
| | 3 3 3 3 | | AB P | | 4 N 3 3 | | 4 N 3 3 | | 3 3 3 | 3 | | | | | | | | | | |
| | 4 4 4 4 | | AC R | | 4 G 4 4 | | 4 G 4 4 | | 4 4 4 | 4 | | | | | | | | | | |
| | 5 5 5 5 | | BC | | 5 5 5 | | 5 5 5 | | 5 5 5 | 5 | | | | | | | | | | |
| | 6 6 6 6 | | | | 6 6 6 | | 6 6 6 | | 6 6 6 | 6 | | | | | | | | | | |
| | 7 7 7 7 | | | | 7 7 7 | | 7 7 7 | | 7 7 7 | 7 | | | | | | | | | | |
| | 8 8 8 8 | | | | 8 8 8 | | 8 8 8 | | 8 8 8 | 8 | | | | | | | | | | |
| | 9 9 9 9 | | | | 9 9 9 | | 9 9 9 | | 9 9 9 | 9 | | | | | | | | | | |
| | 1 1 1 1 | | 3 B F 2 2 | | 2.5 R 8G 17 0 | | 2.5 R 8G 17 0 | | 0 0 0 | 1 | | | | | | | | | | |
| | 2 2 2 2 | | 4 C O 3 3 | | 7.5 Y P 2.5 2 | | 7.5 Y P 2.5 2 | | 2 2 2 | 2 | | | | | | | | | | |
| | 3 3 3 3 | | AB P | | 4 N 3 3 | | 4 N 3 3 | | 3 3 3 | 3 | | | | | | | | | | |
| | 4 4 4 4 | | AC R | | 4 G 4 4 | | 4 G 4 4 | | 4 4 4 | 4 | | | | | | | | | | |

SITE LOCATION: SOUTH EAST OF DAM

| | | | | | | | | | | | | | | | | | | | | |
|-----|-----------------|---|------------------------|----|------------------|------------------|---------------|-------------|----|----|----|---------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|
| cm | mm | 0 | 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 110 | 120 | 130 | 140 | 150 | 160 | 170 | 180 |
| 1 | LAYER STATUS | | COLOUR (Munsell, 1994) | | | | Field pH | LAYER NOTES | | | | Field pH Test Method (1) | | | | | | | | |
| | Lower | | Horizon | | Moist Munsell | Dry Munsell | (1 per layer) | 1 | | | | Raupach test strip | | | | | | | | |
| 2 | 1 1 1 1 | | 2 2 2 2 | | 2.5 R 6.5 17 0 | 2.5 R 6.5 17 0 | 0 0 0 | | | | | pH meter | | | | | | | | |
| 3 | 2 2 2 2 | | 3 3 3 3 | | 5 YR 5.5 2 1 | 5 YR 5.5 2 1 | 1 1 1 | | | | | HCl (1) | | | | | | | | |
| 4 | 3 3 3 3 | | 4 4 4 4 | | 7.5 Y 5 2.5 2 | 7.5 Y 5 2.5 2 | 2 2 2 | | | | | no effervescence | | | | | | | | |
| 5 | 4 4 4 4 | | 5 5 5 5 | | 10 N 3 3 3 | 10 N 3 3 3 | 3 3 3 | | | | | audible/slight efferv. | | | | | | | | |
| 6 | 5 5 5 5 | | 6 6 6 6 | | 15 Y 6.5 2.5 2 | 15 Y 6.5 2.5 2 | 4 4 4 | | | | | strong effervescence | | | | | | | | |
| 7 | 6 6 6 6 | | 7 7 7 7 | | 20 Y 7 2.5 2 | 20 Y 7 2.5 2 | 5 5 5 | | | | | Boundary Distinctiveness | | | | | | | | |
| 8 | 7 7 7 7 | | 8 8 8 8 | | 25 Y 7.5 2.5 2 | 25 Y 7.5 2.5 2 | 6 6 6 | | | | | (1 per layer) 1 2 3 4 5 | | | | | | | | |
| 9 | 8 8 8 8 | | 9 9 9 9 | | 30 Y 8 2.5 2 | 30 Y 8 2.5 2 | 7 7 7 | | | | | not evident | | | | | | | | |
| 10 | 9 9 9 9 | | 10 10 10 10 | | 35 Y 8.5 2.5 2 | 35 Y 8.5 2.5 2 | 8 8 8 | | | | | sharp (<5 mm) | | | | | | | | |
| 11 | 10 10 10 10 | | 11 11 11 11 | | 40 Y 9 2.5 2 | 40 Y 9 2.5 2 | 9 9 9 | | | | | abrupt (5-20 mm) | | | | | | | | |
| 12 | 11 11 11 11 | | 12 12 12 12 | | 45 Y 9.5 2.5 2 | 45 Y 9.5 2.5 2 | 10 10 10 | | | | | clear (20-50 mm) | | | | | | | | |
| 13 | 12 12 12 12 | | 13 13 13 13 | | 50 Y 10 2.5 2 | 50 Y 10 2.5 2 | 11 11 11 | | | | | gradual (50-100 mm) | | | | | | | | |
| 14 | 13 13 13 13 | | 14 14 14 14 | | 55 Y 10.5 2.5 2 | 55 Y 10.5 2.5 2 | 12 12 12 | | | | | diffuse (>100 mm) | | | | | | | | |
| 15 | 14 14 14 14 | | 15 15 15 15 | | 60 Y 11 2.5 2 | 60 Y 11 2.5 2 | 13 13 13 | | | | | STRUCTURE | | | | | | | | |
| 16 | 15 15 15 15 | | 16 16 16 16 | | 65 Y 11.5 2.5 2 | 65 Y 11.5 2.5 2 | 14 14 14 | | | | | Grade of Pedality (1) 1 2 3 4 5 | | | | | | | | |
| 17 | 16 16 16 16 | | 17 17 17 17 | | 70 Y 12 2.5 2 | 70 Y 12 2.5 2 | 15 15 15 | | | | | single-grained | | | | | | | | |
| 18 | 17 17 17 17 | | 18 18 18 18 | | 75 Y 12.5 2.5 2 | 75 Y 12.5 2.5 2 | 16 16 16 | | | | | massive | | | | | | | | |
| 19 | 18 18 18 18 | | 19 19 19 19 | | 80 Y 13 2.5 2 | 80 Y 13 2.5 2 | 17 17 17 | | | | | weak pedality | | | | | | | | |
| 20 | 19 19 19 19 | | 20 20 20 20 | | 85 Y 13.5 2.5 2 | 85 Y 13.5 2.5 2 | 18 18 18 | | | | | moderate pedality | | | | | | | | |
| 21 | 20 20 20 20 | | 21 21 21 21 | | 90 Y 14 2.5 2 | 90 Y 14 2.5 2 | 19 19 19 | | | | | strong pedality | | | | | | | | |
| 22 | 21 21 21 21 | | 22 22 22 22 | | 95 Y 14.5 2.5 2 | 95 Y 14.5 2.5 2 | 20 20 20 | | | | | Fabric (1) 1 2 3 4 5 | | | | | | | | |
| 23 | 22 22 22 22 | | 23 23 23 23 | | 100 Y 15 2.5 2 | 100 Y 15 2.5 2 | 21 21 21 | | | | | sandy | | | | | | | | |
| 24 | 23 23 23 23 | | 24 24 24 24 | | 105 Y 15.5 2.5 2 | 105 Y 15.5 2.5 2 | 22 22 22 | | | | | earthy | | | | | | | | |
| 25 | 24 24 24 24 | | 25 25 25 25 | | 110 Y 16 2.5 2 | 110 Y 16 2.5 2 | 23 23 23 | | | | | rough-faced peds | | | | | | | | |
| 26 | 25 25 25 25 | | 26 26 26 26 | | 115 Y 16.5 2.5 2 | 115 Y 16.5 2.5 2 | 24 24 24 | | | | | smooth-faced peds | | | | | | | | |
| 27 | 26 26 26 26 | | 27 27 27 27 | | 120 Y 17 2.5 2 | 120 Y 17 2.5 2 | 25 25 25 | | | | | Dominant (1) | | | | | | | | |
| 28 | 27 27 27 27 | | 28 28 28 28 | | 125 Y 17.5 2.5 2 | 125 Y 17.5 2.5 2 | 26 26 26 | | | | | 1 2 3 4 5 | | | | | | | | |
| 29 | 28 28 28 28 | | 29 29 29 29 | | 130 Y 18 2.5 2 | 130 Y 18 2.5 2 | 27 27 27 | | | | | 1 2 3 4 5 | | | | | | | | |
| 30 | 29 29 29 29 | | 30 30 30 30 | | 135 Y 18.5 2.5 2 | 135 Y 18.5 2.5 2 | 28 28 28 | | | | | 1 2 3 4 5 | | | | | | | | |
| 31 | 30 30 30 30 | | 31 31 31 31 | | 140 Y 19 2.5 2 | 140 Y 19 2.5 2 | 29 29 29 | | | | | 1 2 3 4 5 | | | | | | | | |
| 32 | 31 31 31 31 | | 32 32 32 32 | | 145 Y 19.5 2.5 2 | 145 Y 19.5 2.5 2 | 30 30 30 | | | | | 1 2 3 4 5 | | | | | | | | |
| 33 | 32 32 32 32 | | 33 33 33 33 | | 150 Y 20 2.5 2 | 150 Y 20 2.5 2 | 31 31 31 | | | | | 1 2 3 4 5 | | | | | | | | |
| 34 | 33 33 33 33 | | 34 34 34 34 | | 155 Y 20.5 2.5 2 | 155 Y 20.5 2.5 2 | 32 32 32 | | | | | 1 2 3 4 5 | | | | | | | | |
| 35 | 34 34 34 34 | | 35 35 35 35 | | 160 Y 21 2.5 2 | 160 Y 21 2.5 2 | 33 33 33 | | | | | 1 2 3 4 5 | | | | | | | | |
| 36 | 35 35 35 35 | | 36 36 36 36 | | 165 Y 21.5 2.5 2 | 165 Y 21.5 2.5 2 | 34 34 34 | | | | | 1 2 3 4 5 | | | | | | | | |
| 37 | 36 36 36 36 | | 37 37 37 37 | | 170 Y 22 2.5 2 | 170 Y 22 2.5 2 | 35 35 35 | | | | | 1 2 3 4 5 | | | | | | | | |
| 38 | 37 37 37 37 | | 38 38 38 38 | | 175 Y 22.5 2.5 2 | 175 Y 22.5 2.5 2 | 36 36 36 | | | | | 1 2 3 4 5 | | | | | | | | |
| 39 | 38 38 38 38 | | 39 39 39 39 | | 180 Y 23 2.5 2 | 180 Y 23 2.5 2 | 37 37 37 | | | | | 1 2 3 4 5 | | | | | | | | |
| 40 | 39 39 39 39 | | 40 40 40 40 | | 185 Y 23.5 2.5 2 | 185 Y 23.5 2.5 2 | 38 38 38 | | | | | 1 2 3 4 5 | | | | | | | | |
| 41 | 40 40 40 40 | | 41 41 41 41 | | 190 Y 24 2.5 2 | 190 Y 24 2.5 2 | 39 39 39 | | | | | 1 2 3 4 5 | | | | | | | | |
| 42 | 41 41 41 41 | | 42 42 42 42 | | 195 Y 24.5 2.5 2 | 195 Y 24.5 2.5 2 | 40 40 40 | | | | | 1 2 3 4 5 | | | | | | | | |
| 43 | 42 42 42 42 | | 43 43 43 43 | | 200 Y 25 2.5 2 | 200 Y 25 2.5 2 | 41 41 41 | | | | | 1 2 3 4 5 | | | | | | | | |
| 44 | 43 43 43 43 | | 44 44 44 44 | | 205 Y 25.5 2.5 2 | 205 Y 25.5 2.5 2 | 42 42 42 | | | | | 1 2 3 4 5 | | | | | | | | |
| 45 | 44 44 44 44 | | 45 45 45 45 | | 210 Y 26 2.5 2 | 210 Y 26 2.5 2 | 43 43 43 | | | | | 1 2 3 4 5 | | | | | | | | |
| 46 | 45 45 45 45 | | 46 46 46 46 | | 215 Y 26.5 2.5 2 | 215 Y 26.5 2.5 2 | 44 44 44 | | | | | 1 2 3 4 5 | | | | | | | | |
| 47 | 46 46 46 46 | | 47 47 47 47 | | 220 Y 27 2.5 2 | 220 Y 27 2.5 2 | 45 45 45 | | | | | 1 2 3 4 5 | | | | | | | | |
| 48 | 47 47 47 47 | | 48 48 48 48 | | 225 Y 27.5 2.5 2 | 225 Y 27.5 2.5 2 | 46 46 46 | | | | | 1 2 3 4 5 | | | | | | | | |
| 49 | 48 48 48 48 | | 49 49 49 49 | | 230 Y 28 2.5 2 | 230 Y 28 2.5 2 | 47 47 47 | | | | | 1 2 3 4 5 | | | | | | | | |
| 50 | 49 49 49 49 | | 50 50 50 50 | | 235 Y 28.5 2.5 2 | 235 Y 28.5 2.5 2 | 48 48 48 | | | | | 1 2 3 4 5 | | | | | | | | |
| 51 | 50 50 50 50 | | 51 51 51 51 | | 240 Y 29 2.5 2 | 240 Y 29 2.5 2 | 49 49 49 | | | | | 1 2 3 4 5 | | | | | | | | |
| 52 | 51 51 51 51 | | 52 52 52 52 | | 245 Y 29.5 2.5 2 | 245 Y 29.5 2.5 2 | 50 50 50 | | | | | 1 2 3 4 5 | | | | | | | | |
| 53 | 52 52 52 52 | | 53 53 53 53 | | 250 Y 30 2.5 2 | 250 Y 30 2.5 2 | 51 51 51 | | | | | 1 2 3 4 5 | | | | | | | | |
| 54 | 53 53 53 53 | | 54 54 54 54 | | 255 Y 30.5 2.5 2 | 255 Y 30.5 2.5 2 | 52 52 52 | | | | | 1 2 3 4 5 | | | | | | | | |
| 55 | 54 54 54 54 | | 55 55 55 55 | | 260 Y 31 2.5 2 | 260 Y 31 2.5 2 | 53 53 53 | | | | | 1 2 3 4 5 | | | | | | | | |
| 56 | 55 55 55 55 | | 56 56 56 56 | | 265 Y 31.5 2.5 2 | 265 Y 31.5 2.5 2 | 54 54 54 | | | | | 1 2 3 4 5 | | | | | | | | |
| 57 | 56 56 56 56 | | 57 57 57 57 | | 270 Y 32 2.5 2 | 270 Y 32 2.5 2 | 55 55 55 | | | | | 1 2 3 4 5 | | | | | | | | |
| 58 | 57 57 57 57 | | 58 58 58 58 | | 275 Y 32.5 2.5 2 | 275 Y 32.5 2.5 2 | 56 56 56 | | | | | 1 2 3 4 5 | | | | | | | | |
| 59 | 58 58 58 58 | | 59 59 59 59 | | 280 Y 33 2.5 2 | 280 Y 33 2.5 2 | 57 57 57 | | | | | 1 2 3 4 5 | | | | | | | | |
| 60 | 59 59 59 59 | | 60 60 60 60 | | 285 Y 33.5 2.5 2 | 285 Y 33.5 2.5 2 | 58 58 58 | | | | | 1 2 3 4 5 | | | | | | | | |
| 61 | 60 60 60 60 | | 61 61 61 61 | | 290 Y 34 2.5 2 | 290 Y 34 2.5 2 | 59 59 59 | | | | | 1 2 3 4 5 | | | | | | | | |
| 62 | 61 61 61 61 | | 62 62 62 62 | | 295 Y 34.5 2.5 2 | 295 Y 34.5 2.5 2 | 60 60 60 | | | | | 1 2 3 4 5 | | | | | | | | |
| 63 | 62 62 62 62 | | 63 63 63 63 | | 300 Y 35 2.5 2 | 300 Y 35 2.5 2 | 61 61 61 | | | | | 1 2 3 4 5 | | | | | | | | |
| 64 | 63 63 63 63 | | 64 64 64 64 | | 305 Y 35.5 2.5 2 | 305 Y 35.5 2.5 2 | 62 62 62 | | | | | 1 2 3 4 5 | | | | | | | | |
| 65 | 64 64 64 64 | | 65 65 65 65 | | 310 Y 36 2.5 2 | 310 Y 36 2.5 2 | 63 63 63 | | | | | 1 2 3 4 5 | | | | | | | | |
| 66 | 65 65 65 65 | | 66 66 66 66 | | 315 Y 36.5 2.5 2 | 315 Y 36.5 2.5 2 | 64 64 64 | | | | | 1 2 3 4 5 | | | | | | | | |
| 67 | 66 66 66 66 | | 67 67 67 67 | | 320 Y 37 2.5 2 | 320 Y 37 2.5 2 | 65 65 65 | | | | | 1 2 3 4 5 | | | | | | | | |
| 68 | 67 67 67 67 | | 68 68 68 68 | | 325 Y 37.5 2.5 2 | 325 Y 37.5 2.5 2 | 66 66 66 | | | | | 1 2 3 4 5 | | | | | | | | |
| 69 | 68 68 68 68 | | 69 69 69 69 | | 330 Y 38 2.5 2 | 330 Y 38 2.5 2 | 67 67 67 | | | | | 1 2 3 4 5 | | | | | | | | |
| 70 | 69 69 69 69 | | 70 70 70 70 | | 335 Y 38.5 2.5 2 | 335 Y 38.5 2.5 2 | 68 68 68 | | | | | 1 2 3 4 5 | | | | | | | | |
| 71 | 70 70 70 70 | | 71 71 71 71 | | 340 Y 39 2.5 2 | 340 Y 39 2.5 2 | 69 69 69 | | | | | 1 2 3 4 5 | | | | | | | | |
| 72 | 71 71 71 71 | | 72 72 72 72 | | 345 Y 39.5 2.5 2 | 345 Y 39.5 2.5 2 | 70 70 70 | | | | | 1 2 3 4 5 | | | | | | | | |
| 73 | 72 72 72 72 | | 73 73 73 73 | | 350 Y 40 2.5 2 | 350 Y 40 2.5 2 | 71 71 71 | | | | | 1 2 3 4 5 | | | | | | | | |
| 74 | 73 73 73 73 | | 74 74 74 74 | | 355 Y 40.5 2.5 2 | 355 Y 40.5 2.5 2 | 72 72 72 | | | | | 1 2 3 4 5 | | | | | | | | |
| 75 | 74 74 74 74 | | 75 75 75 75 | | 360 Y 41 2.5 2 | 360 Y 41 2.5 2 | 73 73 73 | | | | | 1 2 3 4 5 | | | | | | | | |
| 76 | 75 75 75 75 | | 76 76 76 76 | | 365 Y 41.5 2.5 2 | 365 Y 41.5 2.5 2 | 74 74 74 | | | | | 1 2 3 4 5 | | | | | | | | |
| 77 | 76 76 76 76 | | 77 77 77 77 | | 370 Y 42 2.5 2 | 370 Y 42 2.5 2 | 75 75 75 | | | | | 1 2 3 4 5 | | | | | | | | |
| 78 | 77 77 77 77 | | 78 78 78 78 | | 375 Y 42.5 2.5 2 | 375 Y 42.5 2.5 2 | 76 76 76 | | | | | 1 2 3 4 5 | | | | | | | | |
| 79 | 78 78 78 78 | | 79 79 79 79 | | 380 Y 43 2.5 2 | 380 Y 43 2.5 2 | 77 77 77 | | | | | 1 2 3 4 5 | | | | | | | | |
| 80 | 79 79 79 79 | | 80 80 80 80 | | 385 Y 43.5 2.5 2 | 385 Y 43.5 2.5 2 | 78 78 78 | | | | | 1 2 3 4 5 | | | | | | | | |
| 81 | 80 80 80 80 | | 81 81 81 81 | | 390 Y 44 2.5 2 | 390 Y 44 2.5 2 | 79 79 79 | | | | | 1 2 3 4 5 | | | | | | | | |
| 82 | 81 81 81 81 | | 82 82 82 82 | | 395 Y 44.5 2.5 2 | 395 Y 44.5 2.5 2 | 80 80 80 | | | | | 1 2 3 4 5 | | | | | | | | |
| 83 | 82 82 82 82 | | 83 83 83 83 | | 400 Y 45 2.5 2 | 400 Y 45 2.5 2 | 81 81 81 | | | | | 1 2 3 4 5 | | | | | | | | |
| 84 | 83 83 83 83 | | 84 84 84 84 | | 405 Y 45.5 2.5 2 | 405 Y 45.5 2.5 2 | 82 82 82 | | | | | 1 2 3 4 5 | | | | | | | | |
| 85 | 84 84 84 84 | | 85 85 85 85 | | 410 Y 46 2.5 2 | 410 Y 46 2.5 2 | 83 83 83 | | | | | 1 2 3 4 5 | | | | | | | | |
| 86 | 85 85 85 85 | | 86 86 86 86 | | 415 Y 46.5 2.5 2 | 415 Y 46.5 2.5 2 | 84 84 84 | | | | | 1 2 3 4 5 | | | | | | | | |
| 87 | 86 86 86 86 | | 87 87 87 87 | | 420 Y 47 2.5 2 | 420 Y 47 2.5 2 | 85 85 85 | | | | | 1 2 3 4 5 | | | | | | | | |
| 88 | 87 87 87 87 | | 88 88 88 88 | | 425 Y 47.5 2.5 2 | 425 Y 47.5 2.5 2 | 86 86 86 | | | | | 1 2 3 4 5 | | | | | | | | |
| 89 | 88 88 88 88 | | 89 89 89 89 | | 430 Y 48 2.5 2 | 430 Y 48 2.5 2 | 87 87 87 | | | | | 1 2 3 4 5 | | | | | | | | |
| 90 | 89 89 89 89 | | 90 90 90 90 | | 435 Y 48.5 2.5 2 | 435 Y 48.5 2.5 2 | 88 88 88 | | | | | 1 2 3 4 5 | | | | | | | | |
| 91 | 90 90 90 90 | | 91 91 91 91 | | 440 Y 49 2.5 2 | 440 Y 49 2.5 2 | 89 89 89 | | | | | 1 2 3 4 5 | | | | | | | | |
| 92 | 91 91 91 91 | | 92 92 92 92 | | 445 Y 49.5 2.5 2 | 445 Y 49.5 2.5 2 | 90 90 90 | | | | | 1 2 3 4 5 | | | | | | | | |
| 93 | 92 92 92 92 | | 93 93 93 93 | | 450 Y 50 2.5 2 | 450 Y 50 2.5 2 | 91 91 91 | | | | | 1 2 3 4 5 | | | | | | | | |
| 94 | 93 93 93 93 | | 94 94 94 94 | | 455 Y 50.5 2.5 2 | 455 Y 50.5 2.5 2 | 92 92 92 | | | | | 1 2 3 4 5 | | | | | | | | |
| 95 | 94 94 94 94 | | 95 95 95 95 | | 460 Y 51 2.5 2 | 460 Y 51 2.5 2 | 93 93 93 | | | | | 1 2 3 4 5 | | | | | | | | |
| 96 | 95 95 95 95 | | 96 96 96 96 | | 465 Y 51.5 2.5 2 | 465 Y 51.5 2.5 2 | 94 94 94 | | | | | 1 2 3 4 5 | | | | | | | | |
| 97 | 96 96 96 96 | | 97 97 97 97 | | 470 Y 52 2.5 2 | 470 Y 52 2.5 2 | 95 95 95 | | | | | 1 2 3 4 5 | | | | | | | | |
| 98 | 97 97 97 97 | | 98 98 98 98 | | 475 Y 52.5 2.5 2 | 475 Y 52.5 2.5 2 | 96 96 96 | | | | | 1 2 3 4 5 | | | | | | | | |
| 99 | 98 98 98 98 | | 99 99 99 99 | | 480 Y 53 2.5 2 | 480 Y 53 2.5 2 | 97 97 97 | | | | | 1 2 3 4 5 | | | | | | | | |
| 100 | 99 99 99 99 | | 100 100 100 100 | | 485 Y 53.5 2.5 2 | 485 Y 53.5 2.5 2 | 98 98 98 | | | | | 1 2 3 4 5 | | | | | | | | |
| 101 | 100 100 100 100 | | | | | | | | | | | | | | | | | | | |

SURVEY TITLE: RIXS CREEK BSAL

SITE LOCATION: OPEN Paddock

| PROFILE MAP DETAILS | | | | SURVEY DETAILS | | | |
|---|---------------|---------------------------|-----------|--|--------------|-----------------|---------------|
| Profile No. | Map Sheet No. | Eastings | Northings | Described By | Profile Date | Photo Taken (1) | No. of Layers |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
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| 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| Potential BSAL? (1) | | | | Site type (1) | | | |
| yes 1 no 2 | | | | checked 1 detailed 2 exclusion 3 | | | |
| BIOPHYSICAL STRATEGIC AGRICULTURAL LAND SOIL DATA CARD | | | | | | | |
| SOIL TYPE | | VEGETATION | | LANDFORM ELEMENT (1) | | | |
| A.S.C. | | Vegetation Community (1) | | alcove 43 cone 3 footslope 21 ox-bow 57 sink hole/doline 52 | | | |
| O | | unknown 1 | | backplain 31 crater 51 foredune 12 pan/playa 55 stream channel 46 | | | |
| SO | | rainforest 2 | | bank 25 cut face 28 gully 42 pediment 22 streambed 45 | | | |
| B | | wet sclerophyll forest 3 | | bar 5 cut-over surface 39 hillcrest 1 pit 60 summit surface 2 | | | |
| GG | | dry sclerophyll forest 4 | | beach 26 dam 16 hillslope 47 plain 30 swale 47 | | | |
| SG | | woodland grass u'storey 5 | | beach ridge 7 drainage depression 41 lagoon 54 prior stream 9 swamp 58 | | | |
| F | | woodland shrub u'storey 6 | | bench 19 dune 11 lake 55 rock flat 34 talus 23 | | | |
| A | | tall shrubland 7 | | berm 29 embankment 14 landslide 20 rock platform 35 tidal creek 48 | | | |
| C | | low shrubland 8 | | blow-out 59 estuary 44 levee 8 scald 36 tidal flat 37 | | | |
| G | | heath 9 | | channel bench 33 fan 27 lunette 13 scarp 18 tor 4 | | | |
| S | | grassland/herbland 10 | | cirque 50 fill top 40 maar 53 scree 24 trench 49 | | | |
| F | | swamp complex 11 | | cliff 5 flood-out 32 mound 15 scroll 10 valley flat 38 | | | |
| A | | littoral complex 12 | | | | | |
| M | | no vegetation 13 | | | | | |
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| cm | mm | 0 | 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 110 | 120 | 130 | 140 | 150 | 160 | 170 | 180 |
| 1 | LAYER STATUS | | COLOUR (Munsell, 1994) | | | | Field pH | LAYER NOTES | | | | Field pH Test Method (1) | | | | | | | | |
| | Lower | | Horizon | | Moist Munsell | | Dry Munsell | | (1 per layer) | 1 | Raupach test strip | | | | pH meter | | | | | |
| 2 | 1 | | 1 | | 1 | | 1 | | 1 | 1 | no effervescence | | | | HCl (1) | | | | | |
| 3 | 2 | | 2 | | 2 | | 2 | | 2 | 2 | audible/slight efferv. | | | | strong effervescence | | | | | |
| 4 | 3 | | 3 | | 3 | | 3 | | 3 | 3 | Boundary Distinctiveness | | | | | | | | | |
| 5 | 4 | | 4 | | 4 | | 4 | | 4 | 4 | (1 per layer) | | | | 1 2 3 4 5 | | | | | |
| 6 | 5 | | 5 | | 5 | | 5 | | 5 | 5 | not evident | | | | sharp (<5 mm) | | | | | |
| 7 | 6 | | 6 | | 6 | | 6 | | 6 | 6 | abrupt (5-20 mm) | | | | clear (20-50 mm) | | | | | |
| 8 | 7 | | 7 | | 7 | | 7 | | 7 | 7 | gradual (50-100 mm) | | | | diffuse (>100 mm) | | | | | |
| 9 | 8 | | 8 | | 8 | | 8 | | 8 | 8 | STRUCTURE | | | | | | | | | |
| 10 | 9 | | 9 | | 9 | | 9 | | 9 | 9 | Grade of Pedality (1) | | | | 1 2 3 4 5 | | | | | |
| 11 | 10 | | 10 | | 10 | | 10 | | 10 | 10 | single-grained | | | | massive | | | | | |
| 12 | 11 | | 11 | | 11 | | 11 | | 11 | 11 | weak pedality | | | | moderate pedality | | | | | |
| 13 | 12 | | 12 | | 12 | | 12 | | 12 | 12 | strong pedality | | | | Fabric (1) | | | | | |
| 14 | 13 | | 13 | | 13 | | 13 | | 13 | 13 | sandy | | | | earthy | | | | | |
| 15 | 14 | | 14 | | 14 | | 14 | | 14 | 14 | rough-faced peds | | | | smooth-faced peds | | | | | |
| 16 | 15 | | 15 | | 15 | | 15 | | 15 | 15 | Dominant (1) | | | | Ped Shape | | | | | |
| 17 | 16 | | 16 | | 16 | | 16 | | 16 | 16 | 1 2 3 4 5 | | | | 1 2 3 4 5 | | | | | |
| 18 | 17 | | 17 | | 17 | | 17 | | 17 | 17 | platy | | | | lenticular | | | | | |
| 19 | 18 | | 18 | | 18 | | 18 | | 18 | 18 | prismatic | | | | columnar | | | | | |
| 20 | 19 | | 19 | | 19 | | 19 | | 19 | 19 | angular blocky | | | | sub-ang. blocky | | | | | |
| 21 | 20 | | 20 | | 20 | | 20 | | 20 | 20 | polyhedral | | | | granular | | | | | |
| 22 | 21 | | 21 | | 21 | | 21 | | 21 | 21 | crumb | | | | round | | | | | |
| 23 | 22 | | 22 | | 22 | | 22 | | 22 | 22 | Dominant (1) | | | | Ped Size | | | | | |
| 24 | 23 | | 23 | | 23 | | 23 | | 23 | 23 | 1 2 3 4 5 | | | | 1 2 3 4 5 | | | | | |
| 25 | 24 | | 24 | | 24 | | 24 | | 24 | 24 | <2 mm | | | | 2-5 mm | | | | | |
| 26 | 25 | | 25 | | 25 | | 25 | | 25 | 25 | 5-10 mm | | | | 10-20 mm | | | | | |
| 27 | 26 | | 26 | | 26 | | 26 | | 26 | 26 | 20-50 mm | | | | 50-100 mm | | | | | |
| 28 | 27 | | 27 | | 27 | | 27 | | 27 | 27 | 100-200 mm | | | | 200-500 mm | | | | | |
| 29 | 28 | | 28 | | 28 | | 28 | | 28 | 28 | > 500 mm | | | | Soil Water Status | | | | | |
| 30 | 29 | | 29 | | 29 | | 29 | | 29 | 29 | Type (1 per layer) | | | | 1 2 3 4 5 | | | | | |
| 31 | 30 | | 30 | | 30 | | 30 | | 30 | 30 | not evident | | | | dry | | | | | |
| 32 | 31 | | 31 | | 31 | | 31 | | 31 | 31 | calcareous | | | | mod. moist | | | | | |
| 33 | 32 | | 32 | | 32 | | 32 | | 32 | 32 | gypseous | | | | moist | | | | | |
| 34 | 33 | | 33 | | 33 | | 33 | | 33 | 33 | manganiferous | | | | wet | | | | | |
| 35 | 34 | | 34 | | 34 | | 34 | | 34 | 34 | ferruginous | | | | TEXTURE | | | | | |
| 36 | 35 | | 35 | | 35 | | 35 | | 35 | 35 | ferromanganiferous | | | | (1 each per layer) | | | | | |
| 37 | 36 | | 36 | | 36 | | 36 | | 36 | 36 | organic | | | | Texture Grade | | | | | |
| 38 | 37 | | 37 | | 37 | | 37 | | 37 | 37 | not identified | | | | 1 2 3 4 5 | | | | | |
| 39 | 38 | | 38 | | 38 | | 38 | | 38 | 38 | other | | | | sand | | | | | |
| 40 | 39 | | 39 | | 39 | | 39 | | 39 | 39 | Amount (1 per layer) | | | | loamy sand | | | | | |
| 41 | 40 | | 40 | | 40 | | 40 | | 40 | 40 | 1 2 3 4 5 | | | | clayey sand | | | | | |
| 42 | 41 | | 41 | | 41 | | 41 | | 41 | 41 | none | | | | sandy loam | | | | | |
| 43 | 42 | | 42 | | 42 | | 42 | | 42 | 42 | very few (<2%) | | | | loam | | | | | |
| 44 | 43 | | 43 | | 43 | | 43 | | 43 | 43 | few (2-10%) | | | | silty loam | | | | | |
| 45 | 44 | | 44 | | 44 | | 44 | | 44 | 44 | common (10-20%) | | | | sandy clay loam | | | | | |
| 46 | 45 | | 45 | | 45 | | 45 | | 45 | 45 | many (20-50%) | | | | clay loam | | | | | |
| 47 | 46 | | 46 | | 46 | | 46 | | 46 | 46 | abundant (>50%) | | | | clay loam sandy | | | | | |
| 48 | 47 | | 47 | | 47 | | 47 | | 47 | 47 | Strength (1 per layer) | | | | silty clay loam | | | | | |
| 49 | 48 | | 48 | | 48 | | 48 | | 48 | 48 | 1 2 3 4 5 | | | | 1 2 3 4 5 | | | | | |
| 50 | 49 | | 49 | | 49 | | 49 | | 49 | 49 | weak | | | | sandy clay | | | | | |
| 51 | 50 | | 50 | | 50 | | 50 | | 50 | 50 | strong | | | | silty clay | | | | | |
| 52 | 51 | | 51 | | 51 | | 51 | | 51 | 51 | Form (1 per layer) | | | | clay | | | | | |
| 53 | 52 | | 52 | | 52 | | 52 | | 52 | 52 | 1 2 3 4 5 | | | | 1 2 3 4 5 | | | | | |
| 54 | 53 | | 53 | | 53 | | 53 | | 53 | 53 | soft segregations | | | | fibric peat | | | | | |
| 55 | 54 | | 54 | | 54 | | 54 | | 54 | 54 | nodules | | | | hemic peat | | | | | |
| 56 | 55 | | 55 | | 55 | | 55 | | 55 | 55 | fragments | | | | sapric peat | | | | | |
| 57 | 56 | | 56 | | 56 | | 56 | | 56 | 56 | crystals | | | | Sand Fraction | | | | | |
| 58 | 57 | | 57 | | 57 | | 57 | | 57 | 57 | veins | | | | 1 2 3 4 5 | | | | | |
| 59 | 58 | | 58 | | 58 | | 58 | | 58 | 58 | concretions | | | | coarse | | | | | |
| 60 | 59 | | 59 | | 59 | | 59 | | 59 | 59 | root linings | | | | fine | | | | | |
| 61 | 60 | | 60 | | 60 | | 60 | | 60 | 60 | tubules | | | | light | | | | | |
| 62 | 61 | | 61 | | 61 | | 61 | | 61 | 61 | Size (1 per layer) | | | | 1 2 3 4 5 | | | | | |
| 63 | 62 | | 62 | | 62 | | 62 | | 62 | 62 | fine (<2 mm) | | | | light medium | | | | | |
| 64 | 63 | | 63 | | 63 | | 63 | | 63 | 63 | medium (2-6 mm) | | | | medium | | | | | |
| 65 | 64 | | 64 | | 64 | | 64 | | 64 | 64 | coarse (6-20 mm) | | | | medium heavy | | | | | |
| 66 | 65 | | 65 | | 65 | | 65 | | 65 | 65 | v coarse (20-60 mm) | | | | heavy | | | | | |
| 67 | 66 | | 66 | | 66 | | 66 | | 66 | 66 | ext coarse (>60 mm) | | | | | | | | | |
| 68 | 67 | | 67 | | 67 | | 67 | | 67 | 67 | | | | | | | | | | |
| 69 | 68 | | 68 | | 68 | | 68 | | 68 | 68 | | | | | | | | | | |
| 70 | 69 | | 69 | | 69 | | 69 | | 69 | 69 | | | | | | | | | | |
| 71 | 70 | | 70 | | 70 | | 70 | | 70 | 70 | | | | | | | | | | |
| 72 | 71 | | 71 | | 71 | | 71 | | 71 | 71 | | | | | | | | | | |
| 73 | 72 | | 72 | | 72 | | 72 | | 72 | 72 | | | | | | | | | | |
| 74 | 73 | | 73 | | 73 | | 73 | | 73 | 73 | | | | | | | | | | |
| 75 | 74 | | 74 | | 74 | | 74 | | 74 | 74 | | | | | | | | | | |
| 76 | 75 | | 75 | | 75 | | 75 | | 75 | 75 | | | | | | | | | | |
| 77 | 76 | | 76 | | 76 | | 76 | | 76 | 76 | | | | | | | | | | |
| 78 | 77 | | 77 | | 77 | | 77 | | 77 | 77 | | | | | | | | | | |
| 79 | 78 | | 78 | | 78 | | 78 | | 78 | 78 | | | | | | | | | | |
| 80 | 79 | | 79 | | 79 | | 79 | | 79 | 79 | | | | | | | | | | |
| 81 | 80 | | 80 | | 80 | | 80 | | 80 | 80 | | | | | | | | | | |
| 82 | 81 | | 81 | | 81 | | 81 | | 81 | 81 | | | | | | | | | | |
| 83 | 82 | | 82 | | 82 | | 82 | | 82 | 82 | | | | | | | | | | |
| 84 | 83 | | 83 | | 83 | | 83 | | 83 | 83 | | | | | | | | | | |
| 85 | 84 | | 84 | | 84 | | 84 | | 84 | 84 | | | | | | | | | | |
| 86 | 85 | | 85 | | 85 | | 85 | | 85 | 85 | | | | | | | | | | |
| 87 | 86 | | 86 | | 86 | | 86 | | 86 | 86 | | | | | | | | | | |
| 88 | 87 | | 87 | | 87 | | 87 | | 87 | 87 | | | | | | | | | | |
| 89 | 88 | | 88 | | 88 | | 88 | | 88 | 88 | | | | | | | | | | |
| 90 | 89 | | 89 | | 89 | | 89 | | 89 | 89 | | | | | | | | | | |
| 91 | 90 | | 90 | | 90 | | 90 | | 90 | 90 | | | | | | | | | | |
| 92 | 91 | | 91 | | 91 | | 91 | | 91 | 91 | | | | | | | | | | |
| 93 | 92 | | 92 | | 92 | | 92 | | 92 | 92 | | | | | | | | | | |
| 94 | 93 | | 93 | | 93 | | 93 | | 93 | 93 | | | | | | | | | | |
| 95 | 94 | | 94 | | 94 | | 94 | | 94 | 94 | | | | | | | | | | |
| 96 | 95 | | 95 | | 95 | | 95 | | 95 | 95 | | | | | | | | | | |
| 97 | 96 | | 96 | | 96 | | 96 | | 96 | 96 | | | | | | | | | | |
| 98 | 97 | | 97 | | 97 | | 97 | | 97 | 97 | | | | | | | | | | |
| 99 | 98 | | 98 | | 98 | | 98 | | 98 | 98 | | | | | | | | | | |
| 100 | 99 | | 99 | | 99 | | 99 | | 99 | 99 | | | | | | | | | | |
| 101 | 100 | | 100 | | 100 | | 100 | | 100 | 100 | | | | | | | | | | |
| 102 | 101 | | 101 | | 101 | | 101 | | 101 | 101 | | | | | | | | | | |
| 103 | 102 | | 102 | | 102 | | 102 | | 102 | 102 | | | | | | | | | | |
| 104 | 103 | | 103 | | 103 | | 103 | | 103 | 103 | | | | | | | | | | |
| 105 | 104 | | 104 | | 104 | | 104 | | 104 | 104 | | | | | | | | | | |
| 106 | 105 | | 105 | | 105 | | 105 | | 105 | 105 | | | | | | | | | | |
| 107 | 106 | | 106 | | 106 | | 106 | | 106 | 106 | | | | | | | | | | |
| 108 | 107 | | 107 | | 107 | | 107 | | 107 | 107 | | | | | | | | | | |
| 109 | 108 | | 108 | | 108 | | 108 | | 108 | 108 | | | | | | | | | | |
| 110 | 109 | | 109 | | 109 | | 109 | | 109 | 109 | | | | | | | | | | |
| 111 | 110 | | 110 | | 110 | | 110 | | 110 | 110 | | | | | | | | | | |
| 112 | 111 | | 111 | | 111 | | 111 | | 111 | 111 | | | | | | | | | | |
| 113 | 112 | | 112 | | 112 | | 112 | | 112 | 112 | | | | | | | | | | |
| 114 | 113 | | 113 | | 113 | | 113 | | 113 | 113 | | | | | | | | | | |
| 115 | 114 | | 114 | | 114 | | 114 | | 114 | 114 | | | | | | | | | | |
| 116 | 115 | | 115 | | 115 | | 115 | | 115 | 115 | | | | | | | | | | |
| 117 | 116 | | 116 | | 116 | | 116 | | 116 | 116 | | | | | | | | | | |
| 118 | 117 | | 117 | | 117 | | 117 | | 117 | 117 | | | | | | | | | | |
| 119 | 118 | | 118 | | 118 | | 118 | | 118 | 118 | | | | | | | | | | |
| 120 | 119 | | 119 | | 119 | | 119 | | 119 | 119 | | | | | | | | | | |
| 121 | 120 | | 120 | | 120 | | 120 | | 120 | 120 | | | | | | | | | | |
| 122 | 121 | | 121 | | 121 | | 121 | | 121 | 121 | | | | | | | | | | |
| 123 | 122 | | 122 | | 122 | | 122 | | 122 | 122 | | | | | | | | | | |
| 124 | 123 | | 123 | | 123 | | 123 | | 123 | 123 | | | | | | | | | | |
| 125 | 124 | | 124 | | 124 | | 124 | | 124 | 124 | | | | | | | | | | |
| 126 | 125 | | 125 | | 125 | | 125 | | 125 | 125 | | | | | | | | | | |
| 127 | 126 | | 126 | | 126 | | 126 | | 126 | 126 | | | | | | | | | | |
| 128 | 127 | | 127 | | 127 | | 127 | | 127 | 127 | | | | | | | | | | |
| 129 | 128 | | 128 | | 128 | | 128 | | 128 | 128 | | | | | | | | | | |
| 130 | 129 | | 129 | | 129 | | 129 | | 129 | 129 | | | | | | | | | | |
| 131 | 130 | | 130 | | 130 | | 130 | | 130 | 130 | | | | | | | | | | |
| 132 | 131 | | 131 | | 131 | | 131 | | 131 | 131 | | | | | | | | | | |
| 133 | 132 | | 132 | | 132 | | 132 | | 132 | 132 | | | | | | | | | | |
| 134 | 133 | | 133 | | 133 | | 133 | | 133 | 133 | | | | | | | | | | |
| 135 | 134 | | 134 | | 134 | | 134 | | 134 | 134 | | | | | | | | | | |
| 136 | 135 | | 135 | | 135 | | 135 | | 135 | 135 | | | | | | | | | | |
| 137 | 136 | | 136 | | 136 | | 136 | | 136 | 136 | | | | | | | | | | |
| 138 | 137 | | 137 | | 137 | | 137 | | 137 | 137 | | | | | | | | | | |
| 139 | 138 | | 138 | | 138 | | 138 | | 138 | 138 | | | | | | | | | | |
| 140 | 139 | | 139 | | 139 | | 139 | | 139 | 139 | | | | | | | | | | |
| 141 | 140 | | 140 | | 140 | | 140 | | 140 | 140 | | | | | | | | | | |
| 142 | 141 | | 141 | | 141 | | 14 | | | | | | | | | | | | | |

SITE LOCATION: NORTH OF CREEK

- Use 2B pencil
- No pen or biro
- Fully erase mistakes
- Make no stray marks
- Numbers in () show max. entries allowed

| | | | | | | | | | | | | | | | | | | | | | |
|-----|-----------------|---|-----------|----|---------------|------------------------|---------------|----|-----------------|----|----------|-------------|-----|-----|-----|---|--------------------------|-----|-----|-----|--|
| cm | mm | 0 | 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 110 | 120 | 130 | 140 | 150 | 160 | 170 | 180 | |
| 1 | LAYER STATUS | | | | | COLOUR (Munsell, 1994) | | | | | Field pH | LAYER NOTES | | | | | Field pH Test Method (1) | | | | |
| | Lower | | Horizon | | Moist Munsell | | Dry Munsell | | (1 per layer) | 1 | | | | | | Raupach test strip (3) pH meter (2) | | | | | |
| 2 | 1 1 1 1 | | 3 B F 2 2 | | 5 5 B 2 1 | | 5 5 B 2 1 | | 1 1 1 1 | | | | | | | HCl (1) no effervescence (1 1 1 1 1) audible/slight efferv. (2 2 2 2 2) strong effervescence (3 3 3 3 3) | | | | | |
| 3 | 2 2 2 2 | | 4 C O 3 3 | | 7.5 Y P 2.5 2 | | 7.5 Y P 2.5 2 | | 2 2 2 2 | | | | | | | Boundary Distinctiveness (1 per layer) 1 2 3 4 5 not evident (1 1 1 1 1) sharp (<5 mm) (2 2 2 2 2) abrupt (5-20 mm) (3 3 3 3 3) clear (20-50 mm) (4 4 4 4 4) gradual (50-100 mm) (5 5 5 5 5) diffuse (>100 mm) (6 6 6 6 6) | | | | | |
| 4 | 3 3 3 3 | | AB P | | 10 N 3 3 | | 10 N 3 3 | | 3 3 3 3 | | | | | | | STRUCTURE Grade of Pedality (1) 1 2 3 4 5 single-grained (1 1 1 1 1) massive (2 2 2 2 2) weak pedality (3 3 3 3 3) moderate pedality (4 4 4 4 4) strong pedality (5 5 5 5 5) | | | | | |
| 5 | 4 4 4 4 | | AC H | | GY 4 4 | | GY 4 4 | | 4 4 4 4 | | | | | | | Fabric (1) 1 2 3 4 5 sandy (1 1 1 1 1) earthy (2 2 2 2 2) rough-faced peds (3 3 3 3 3) smooth-faced peds (4 4 4 4 4) | | | | | |
| 6 | 5 5 5 5 | | BC | | G 5 5 | | G 5 5 | | 5 5 5 5 | | | | | | | Dominant (1) 1 2 3 4 5 1 1 1 1 1 2 2 2 2 2 3 3 3 3 3 4 4 4 4 4 5 5 5 5 5 | | | | | |
| 7 | 6 6 6 6 | | | | 6 6 | | 6 6 | | 6 6 6 6 | | | | | | | Ped Shape 1 2 3 4 5 platy (1 1 1 1 1) lenticular (2 2 2 2 2) prismatic (3 3 3 3 3) columnar (4 4 4 4 4) angular blocky (5 5 5 5 5) sub-ang. blocky (6 6 6 6 6) polyhedral (7 7 7 7 7) granular (8 8 8 8 8) crumb (9 9 9 9 9) round (10 10 10 10 10) | | | | | |
| 8 | 7 7 7 7 | | | | 7 7 | | 7 7 | | 7 7 7 7 | | | | | | | Sub-dominant (1) 1 2 3 4 5 1 1 1 1 1 2 2 2 2 2 3 3 3 3 3 4 4 4 4 4 5 5 5 5 5 6 6 6 6 6 7 7 7 7 7 8 8 8 8 8 9 9 9 9 9 10 10 10 10 10 | | | | | |
| 9 | 8 8 8 8 | | | | 8 8 | | 8 8 | | 8 8 8 8 | | | | | | | Dominant (1) 1 2 3 4 5 1 1 1 1 1 2 2 2 2 2 3 3 3 3 3 4 4 4 4 4 5 5 5 5 5 6 6 6 6 6 7 7 7 7 7 8 8 8 8 8 9 9 9 9 9 10 10 10 10 10 | | | | | |
| 10 | 9 9 9 9 | | | | 9 9 | | 9 9 | | 9 9 9 9 | | | | | | | Ped Size 1 2 3 4 5 <2 mm (1 1 1 1 1) 2-5 mm (2 2 2 2 2) 5-10 mm (3 3 3 3 3) 10-20 mm (4 4 4 4 4) 20-50 mm (5 5 5 5 5) 50-100 mm (6 6 6 6 6) 100-200 mm (7 7 7 7 7) 200-500 mm (8 8 8 8 8) > 500 mm (9 9 9 9 9) | | | | | |
| 11 | 10 10 10 10 | | | | 10 10 | | 10 10 | | 10 10 10 10 | | | | | | | SEGREGATIONS Type (1 per layer) 1 2 3 4 5 not evident (1 1 1 1 1) calcareous (2 2 2 2 2) gypseous (3 3 3 3 3) manganiferous (4 4 4 4 4) ferruginous (5 5 5 5 5) ferromanganiferous (6 6 6 6 6) organic (7 7 7 7 7) not identified (8 8 8 8 8) other (9 9 9 9 9) | | | | | |
| 12 | 11 11 11 11 | | | | 11 11 | | 11 11 | | 11 11 11 11 | | | | | | | Soil Water Status (1 each per layer) 1 2 3 4 5 dry (1 1 1 1 1) mod. moist (2 2 2 2 2) moist (3 3 3 3 3) wet (4 4 4 4 4) | | | | | |
| 13 | 12 12 12 12 | | | | 12 12 | | 12 12 | | 12 12 12 12 | | | | | | | TEXTURE (1 each per layer) Texture Grade 1 2 3 4 5 sand (1 1 1 1 1) loamy sand (2 2 2 2 2) clayey sand (3 3 3 3 3) sandy loam (4 4 4 4 4) loam (5 5 5 5 5) silty loam (6 6 6 6 6) sandy clay loam (7 7 7 7 7) clay loam (8 8 8 8 8) clay loam sandy (9 9 9 9 9) silty clay loam (10 10 10 10 10) sandy clay (11 11 11 11 11) silty clay (12 12 12 12 12) clay (13 13 13 13 13) fibric peat (14 14 14 14 14) hemic peat (15 15 15 15 15) sapric peat (16 16 16 16 16) | | | | | |
| 14 | 13 13 13 13 | | | | 13 13 | | 13 13 | | 13 13 13 13 | | | | | | | Sand Fraction 1 2 3 4 5 coarse (1 1 1 1 1) fine (2 2 2 2 2) | | | | | |
| 15 | 14 14 14 14 | | | | 14 14 | | 14 14 | | 14 14 14 14 | | | | | | | Clay Fraction 1 2 3 4 5 light (1 1 1 1 1) light medium (2 2 2 2 2) medium (3 3 3 3 3) medium heavy (4 4 4 4 4) heavy (5 5 5 5 5) | | | | | |
| 16 | 15 15 15 15 | | | | 15 15 | | 15 15 | | 15 15 15 15 | | | | | | | Form (1 per layer) 1 2 3 4 5 soft segregations (1 1 1 1 1) nodules (2 2 2 2 2) fragments (3 3 3 3 3) crystals (4 4 4 4 4) veins (5 5 5 5 5) concretions (6 6 6 6 6) root linings (7 7 7 7 7) tubules (8 8 8 8 8) Size (1 per layer) 1 2 3 4 5 fine (<2 mm) (1 1 1 1 1) medium (2-6 mm) (2 2 2 2 2) coarse (6-20 mm) (3 3 3 3 3) v coarse (20-60 mm) (4 4 4 4 4) ext coarse (>60 mm) (5 5 5 5 5) | | | | | |
| 17 | 16 16 16 16 | | | | 16 16 | | 16 16 | | 16 16 16 16 | | | | | | | | | | | | |
| 18 | 17 17 17 17 | | | | 17 17 | | 17 17 | | 17 17 17 17 | | | | | | | | | | | | |
| 19 | 18 18 18 18 | | | | 18 18 | | 18 18 | | 18 18 18 18 | | | | | | | | | | | | |
| 20 | 19 19 19 19 | | | | 19 19 | | 19 19 | | 19 19 19 19 | | | | | | | | | | | | |
| 21 | 20 20 20 20 | | | | 20 20 | | 20 20 | | 20 20 20 20 | | | | | | | | | | | | |
| 22 | 21 21 21 21 | | | | 21 21 | | 21 21 | | 21 21 21 21 | | | | | | | | | | | | |
| 23 | 22 22 22 22 | | | | 22 22 | | 22 22 | | 22 22 22 22 | | | | | | | | | | | | |
| 24 | 23 23 23 23 | | | | 23 23 | | 23 23 | | 23 23 23 23 | | | | | | | | | | | | |
| 25 | 24 24 24 24 | | | | 24 24 | | 24 24 | | 24 24 24 24 | | | | | | | | | | | | |
| 26 | 25 25 25 25 | | | | 25 25 | | 25 25 | | 25 25 25 25 | | | | | | | | | | | | |
| 27 | 26 26 26 26 | | | | 26 26 | | 26 26 | | 26 26 26 26 | | | | | | | | | | | | |
| 28 | 27 27 27 27 | | | | 27 27 | | 27 27 | | 27 27 27 27 | | | | | | | | | | | | |
| 29 | 28 28 28 28 | | | | 28 28 | | 28 28 | | 28 28 28 28 | | | | | | | | | | | | |
| 30 | 29 29 29 29 | | | | 29 29 | | 29 29 | | 29 29 29 29 | | | | | | | | | | | | |
| 31 | 30 30 30 30 | | | | 30 30 | | 30 30 | | 30 30 30 30 | | | | | | | | | | | | |
| 32 | 31 31 31 31 | | | | 31 31 | | 31 31 | | 31 31 31 31 | | | | | | | | | | | | |
| 33 | 32 32 32 32 | | | | 32 32 | | 32 32 | | 32 32 32 32 | | | | | | | | | | | | |
| 34 | 33 33 33 33 | | | | 33 33 | | 33 33 | | 33 33 33 33 | | | | | | | | | | | | |
| 35 | 34 34 34 34 | | | | 34 34 | | 34 34 | | 34 34 34 34 | | | | | | | | | | | | |
| 36 | 35 35 35 35 | | | | 35 35 | | 35 35 | | 35 35 35 35 | | | | | | | | | | | | |
| 37 | 36 36 36 36 | | | | 36 36 | | 36 36 | | 36 36 36 36 | | | | | | | | | | | | |
| 38 | 37 37 37 37 | | | | 37 37 | | 37 37 | | 37 37 37 37 | | | | | | | | | | | | |
| 39 | 38 38 38 38 | | | | 38 38 | | 38 38 | | 38 38 38 38 | | | | | | | | | | | | |
| 40 | 39 39 39 39 | | | | 39 39 | | 39 39 | | 39 39 39 39 | | | | | | | | | | | | |
| 41 | 40 40 40 40 | | | | 40 40 | | 40 40 | | 40 40 40 40 | | | | | | | | | | | | |
| 42 | 41 41 41 41 | | | | 41 41 | | 41 41 | | 41 41 41 41 | | | | | | | | | | | | |
| 43 | 42 42 42 42 | | | | 42 42 | | 42 42 | | 42 42 42 42 | | | | | | | | | | | | |
| 44 | 43 43 43 43 | | | | 43 43 | | 43 43 | | 43 43 43 43 | | | | | | | | | | | | |
| 45 | 44 44 44 44 | | | | 44 44 | | 44 44 | | 44 44 44 44 | | | | | | | | | | | | |
| 46 | 45 45 45 45 | | | | 45 45 | | 45 45 | | 45 45 45 45 | | | | | | | | | | | | |
| 47 | 46 46 46 46 | | | | 46 46 | | 46 46 | | 46 46 46 46 | | | | | | | | | | | | |
| 48 | 47 47 47 47 | | | | 47 47 | | 47 47 | | 47 47 47 47 | | | | | | | | | | | | |
| 49 | 48 48 48 48 | | | | 48 48 | | 48 48 | | 48 48 48 48 | | | | | | | | | | | | |
| 50 | 49 49 49 49 | | | | 49 49 | | 49 49 | | 49 49 49 49 | | | | | | | | | | | | |
| 51 | 50 50 50 50 | | | | 50 50 | | 50 50 | | 50 50 50 50 | | | | | | | | | | | | |
| 52 | 51 51 51 51 | | | | 51 51 | | 51 51 | | 51 51 51 51 | | | | | | | | | | | | |
| 53 | 52 52 52 52 | | | | 52 52 | | 52 52 | | 52 52 52 52 | | | | | | | | | | | | |
| 54 | 53 53 53 53 | | | | 53 53 | | 53 53 | | 53 53 53 53 | | | | | | | | | | | | |
| 55 | 54 54 54 54 | | | | 54 54 | | 54 54 | | 54 54 54 54 | | | | | | | | | | | | |
| 56 | 55 55 55 55 | | | | 55 55 | | 55 55 | | 55 55 55 55 | | | | | | | | | | | | |
| 57 | 56 56 56 56 | | | | 56 56 | | 56 56 | | 56 56 56 56 | | | | | | | | | | | | |
| 58 | 57 57 57 57 | | | | 57 57 | | 57 57 | | 57 57 57 57 | | | | | | | | | | | | |
| 59 | 58 58 58 58 | | | | 58 58 | | 58 58 | | 58 58 58 58 | | | | | | | | | | | | |
| 60 | 59 59 59 59 | | | | 59 59 | | 59 59 | | 59 59 59 59 | | | | | | | | | | | | |
| 61 | 60 60 60 60 | | | | 60 60 | | 60 60 | | 60 60 60 60 | | | | | | | | | | | | |
| 62 | 61 61 61 61 | | | | 61 61 | | 61 61 | | 61 61 61 61 | | | | | | | | | | | | |
| 63 | 62 62 62 62 | | | | 62 62 | | 62 62 | | 62 62 62 62 | | | | | | | | | | | | |
| 64 | 63 63 63 63 | | | | 63 63 | | 63 63 | | 63 63 63 63 | | | | | | | | | | | | |
| 65 | 64 64 64 64 | | | | 64 64 | | 64 64 | | 64 64 64 64 | | | | | | | | | | | | |
| 66 | 65 65 65 65 | | | | 65 65 | | 65 65 | | 65 65 65 65 | | | | | | | | | | | | |
| 67 | 66 66 66 66 | | | | 66 66 | | 66 66 | | 66 66 66 66 | | | | | | | | | | | | |
| 68 | 67 67 67 67 | | | | 67 67 | | 67 67 | | 67 67 67 67 | | | | | | | | | | | | |
| 69 | 68 68 68 68 | | | | 68 68 | | 68 68 | | 68 68 68 68 | | | | | | | | | | | | |
| 70 | 69 69 69 69 | | | | 69 69 | | 69 69 | | 69 69 69 69 | | | | | | | | | | | | |
| 71 | 70 70 70 70 | | | | 70 70 | | 70 70 | | 70 70 70 70 | | | | | | | | | | | | |
| 72 | 71 71 71 71 | | | | 71 71 | | 71 71 | | 71 71 71 71 | | | | | | | | | | | | |
| 73 | 72 72 72 72 | | | | 72 72 | | 72 72 | | 72 72 72 72 | | | | | | | | | | | | |
| 74 | 73 73 73 73 | | | | 73 73 | | 73 73 | | 73 73 73 73 | | | | | | | | | | | | |
| 75 | 74 74 74 74 | | | | 74 74 | | 74 74 | | 74 74 74 74 | | | | | | | | | | | | |
| 76 | 75 75 75 75 | | | | 75 75 | | 75 75 | | 75 75 75 75 | | | | | | | | | | | | |
| 77 | 76 76 76 76 | | | | 76 76 | | 76 76 | | 76 76 76 76 | | | | | | | | | | | | |
| 78 | 77 77 77 77 | | | | 77 77 | | 77 77 | | 77 77 77 77 | | | | | | | | | | | | |
| 79 | 78 78 78 78 | | | | 78 78 | | 78 78 | | 78 78 78 78 | | | | | | | | | | | | |
| 80 | 79 79 79 79 | | | | 79 79 | | 79 79 | | 79 79 79 79 | | | | | | | | | | | | |
| 81 | 80 80 80 80 | | | | 80 80 | | 80 80 | | 80 80 80 80 | | | | | | | | | | | | |
| 82 | 81 81 81 81 | | | | 81 81 | | 81 81 | | 81 81 81 81 | | | | | | | | | | | | |
| 83 | 82 82 82 82 | | | | 82 82 | | 82 82 | | 82 82 82 82 | | | | | | | | | | | | |
| 84 | 83 83 83 83 | | | | 83 83 | | 83 83 | | 83 83 83 83 | | | | | | | | | | | | |
| 85 | 84 84 84 84 | | | | 84 84 | | 84 84 | | 84 84 84 84 | | | | | | | | | | | | |
| 86 | 85 85 85 85 | | | | 85 85 | | 85 85 | | 85 85 85 85 | | | | | | | | | | | | |
| 87 | 86 86 86 86 | | | | 86 86 | | 86 86 | | 86 86 86 86 | | | | | | | | | | | | |
| 88 | 87 87 87 87 | | | | 87 87 | | 87 87 | | 87 87 87 87 | | | | | | | | | | | | |
| 89 | 88 88 88 88 | | | | 88 88 | | 88 88 | | 88 88 88 88 | | | | | | | | | | | | |
| 90 | 89 89 89 89 | | | | 89 89 | | 89 89 | | 89 89 89 89 | | | | | | | | | | | | |
| 91 | 90 90 90 90 | | | | 90 90 | | 90 90 | | 90 90 90 90 | | | | | | | | | | | | |
| 92 | 91 91 91 91 | | | | 91 91 | | 91 91 | | 91 91 91 91 | | | | | | | | | | | | |
| 93 | 92 92 92 92 | | | | 92 92 | | 92 92 | | 92 92 92 92 | | | | | | | | | | | | |
| 94 | 93 93 93 93 | | | | 93 93 | | 93 93 | | 93 93 93 93 | | | | | | | | | | | | |
| 95 | 94 94 94 94 | | | | 94 94 | | 94 94 | | 94 94 94 94 | | | | | | | | | | | | |
| 96 | 95 95 95 95 | | | | 95 95 | | 95 95 | | 95 95 95 95 | | | | | | | | | | | | |
| 97 | 96 96 96 96 | | | | 96 96 | | 96 96 | | 96 96 96 96 | | | | | | | | | | | | |
| 98 | 97 97 97 97 | | | | 97 97 | | 97 97 | | 97 97 97 97 | | | | | | | | | | | | |
| 99 | 98 98 98 98 | | | | 98 98 | | 98 98 | | 98 98 98 98 | | | | | | | | | | | | |
| 100 | 99 99 99 99 | | | | 99 99 | | 99 99 | | 99 99 99 99 | | | | | | | | | | | | |
| 101 | 100 100 100 100 | | | | 100 100 | | 100 100 | | 100 100 100 100 | | | | | | | | | | | | |
| 102 | 101 101 101 101 | | | | 101 101 | | 101 101 | | 101 101 101 101 | | | | | | | | | | | | |
| 103 | 102 102 102 102 | | | | 102 102 | | 102 102 | | 102 102 102 102 | | | | | | | | | | | | |
| 104 | 103 103 103 103 | | | | 103 103 | | 103 103 | | 103 103 103 103 | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | |

SURVEY TITLE: RIXS CREEK BSAL

SITE LOCATION: NORTH OF CREEK

| PROFILE MAP DETAILS | | | | SURVEY DETAILS | | | |
|---------------------|---------------|----------|-----------|----------------|--------------|-----------------|---------------|
| Profile No. | Map Sheet No. | Eastings | Northings | Described By | Profile Date | Photo Taken (1) | No. of Layers |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |

| Potential BSAL? (1) | Site type (1) |
|------------------------------|------------------------------------|
| yes <input type="checkbox"/> | checked <input type="checkbox"/> |
| no <input type="checkbox"/> | detailed <input type="checkbox"/> |
| | exclusion <input type="checkbox"/> |

BIOPHYSICAL STRATEGIC AGRICULTURAL LAND SOIL DATA CARD

| SOIL TYPE | VEGETATION | LANDFORM ELEMENT (1) | | | |
|-----------|--|--|--|------------------------------------|--|
| A.S.C. | Vegetation Community (1) | alcove <input type="checkbox"/> | cone <input type="checkbox"/> | footslope <input type="checkbox"/> | ox-bow <input type="checkbox"/> |
| O | unknown <input type="checkbox"/> | backplain <input type="checkbox"/> | crater <input type="checkbox"/> | foredune <input type="checkbox"/> | pan/playa <input type="checkbox"/> |
| SO | rainforest <input type="checkbox"/> | bank <input type="checkbox"/> | cut face <input type="checkbox"/> | gully <input type="checkbox"/> | pediment <input type="checkbox"/> |
| B | wet sclerophyll forest <input type="checkbox"/> | bar <input type="checkbox"/> | cut-over surface <input type="checkbox"/> | hillcrest <input type="checkbox"/> | pit <input type="checkbox"/> |
| GG | dry sclerophyll forest <input type="checkbox"/> | beach <input type="checkbox"/> | dam <input type="checkbox"/> | hillslope <input type="checkbox"/> | plain <input type="checkbox"/> |
| SG | woodland grass u'storey <input type="checkbox"/> | beach ridge <input type="checkbox"/> | drainage depression <input type="checkbox"/> | lagoon <input type="checkbox"/> | prior stream <input type="checkbox"/> |
| F | woodland shrub u'storey <input type="checkbox"/> | bench <input type="checkbox"/> | dune <input type="checkbox"/> | lake <input type="checkbox"/> | rock flat <input type="checkbox"/> |
| A | tall shrubland <input type="checkbox"/> | berm <input type="checkbox"/> | embankment <input type="checkbox"/> | landslide <input type="checkbox"/> | rock platform <input type="checkbox"/> |
| C | low shrubland <input type="checkbox"/> | blow-out <input type="checkbox"/> | estuary <input type="checkbox"/> | levee <input type="checkbox"/> | scald <input type="checkbox"/> |
| G | heath <input type="checkbox"/> | channel bench <input type="checkbox"/> | fan <input type="checkbox"/> | lunette <input type="checkbox"/> | scarp <input type="checkbox"/> |
| S | grassland/herbland <input type="checkbox"/> | cirque <input type="checkbox"/> | fill top <input type="checkbox"/> | maar <input type="checkbox"/> | scree <input type="checkbox"/> |
| F | swamp complex <input type="checkbox"/> | cliff <input type="checkbox"/> | flood-out <input type="checkbox"/> | mound <input type="checkbox"/> | scroll <input type="checkbox"/> |
| A | littoral complex <input type="checkbox"/> | | | | |
| C | no vegetation <input type="checkbox"/> | | | | |

| LITHOLOGY | | | | TOPOGRAPHY | |
|---|--|--|--|---------------------------------|--|
| Substrate (3) | | | | Slope Percent | Site Morphology (1) |
| not identified <input type="checkbox"/> | limestone <input type="checkbox"/> | coarse-basic <input type="checkbox"/> | fine-acidic <input type="checkbox"/> | 0-10 <input type="checkbox"/> | flat <input type="checkbox"/> |
| unconsolidated <input type="checkbox"/> | tuff <input type="checkbox"/> | fine-intermediate <input type="checkbox"/> | fine-basic <input type="checkbox"/> | 11-20 <input type="checkbox"/> | crest <input type="checkbox"/> |
| gravel <input type="checkbox"/> | breccia <input type="checkbox"/> | serpentine <input type="checkbox"/> | granodiorite <input type="checkbox"/> | 21-30 <input type="checkbox"/> | hillock <input type="checkbox"/> |
| sand <input type="checkbox"/> | greywacke <input type="checkbox"/> | gabbro <input type="checkbox"/> | diorite <input type="checkbox"/> | 31-40 <input type="checkbox"/> | ridge <input type="checkbox"/> |
| silt <input type="checkbox"/> | arkose <input type="checkbox"/> | syenite <input type="checkbox"/> | quartz porphyry <input type="checkbox"/> | 41-50 <input type="checkbox"/> | upper slope <input type="checkbox"/> |
| clay <input type="checkbox"/> | dolomite <input type="checkbox"/> | andesite <input type="checkbox"/> | basalt <input type="checkbox"/> | 51-60 <input type="checkbox"/> | mid-slope <input type="checkbox"/> |
| organic material <input type="checkbox"/> | calcrete <input type="checkbox"/> | trachyte <input type="checkbox"/> | agglomerate <input type="checkbox"/> | 61-70 <input type="checkbox"/> | simple slope <input type="checkbox"/> |
| alluvium <input type="checkbox"/> | aeolinite <input type="checkbox"/> | rhyolite <input type="checkbox"/> | other <input type="checkbox"/> | 71-80 <input type="checkbox"/> | lower slope <input type="checkbox"/> |
| colluvium <input type="checkbox"/> | chert <input type="checkbox"/> | obsidian <input type="checkbox"/> | | 81-90 <input type="checkbox"/> | open depression <input type="checkbox"/> |
| lacustrine <input type="checkbox"/> | jasper <input type="checkbox"/> | | | 91-100 <input type="checkbox"/> | closed depression <input type="checkbox"/> |
| aeolian <input type="checkbox"/> | metamorphic <input type="checkbox"/> | | | | |
| marine <input type="checkbox"/> | gneiss <input type="checkbox"/> | | | | |
| calcareous sand <input type="checkbox"/> | schist/phylite <input type="checkbox"/> | | | | |
| fill <input type="checkbox"/> | slate <input type="checkbox"/> | | | | |
| mud <input type="checkbox"/> | hornfels <input type="checkbox"/> | | | | |
| till <input type="checkbox"/> | quartzite <input type="checkbox"/> | | | | |
| sedimentary <input type="checkbox"/> | greenstone <input type="checkbox"/> | | | | |
| shale <input type="checkbox"/> | amphibolite <input type="checkbox"/> | | | | |
| siltstone/mudstone <input type="checkbox"/> | marble <input type="checkbox"/> | | | | |
| sandstone-quartz <input type="checkbox"/> | igneous <input type="checkbox"/> | | | | |
| sandstone-lithic <input type="checkbox"/> | coarse-acidic <input type="checkbox"/> | | | | |
| conglomerate <input type="checkbox"/> | coarse-intermediate <input type="checkbox"/> | | | | |

| LAND USE (1) | | HYDROLOGY | |
|---|--|--|--|
| national/state parks <input type="checkbox"/> | timber/scrub/unused <input type="checkbox"/> | Profile Drainage (1) | Permeability (1) |
| logged native forest <input type="checkbox"/> | hardwood plantation <input type="checkbox"/> | very poorly drained <input type="checkbox"/> | very slowly permeable <input type="checkbox"/> |
| softwood plantation <input type="checkbox"/> | volun./native pasture <input type="checkbox"/> | poorly drained <input type="checkbox"/> | slowly permeable <input type="checkbox"/> |
| improved pasture <input type="checkbox"/> | cropping <input type="checkbox"/> | imperfectly drained <input type="checkbox"/> | moderately permeable <input type="checkbox"/> |
| orchard/vineyard <input type="checkbox"/> | vegetables/flowers <input type="checkbox"/> | mod. well-drained <input type="checkbox"/> | highly permeable <input type="checkbox"/> |
| urban <input type="checkbox"/> | industrial <input type="checkbox"/> | well-drained <input type="checkbox"/> | |
| quarry/mining <input type="checkbox"/> | other <input type="checkbox"/> | rapidly drained <input type="checkbox"/> | |

| SITE CONDITION | | Surface Condition | |
|---|----------------|--|--------------------------|
| Site Disturbance(s) (2) | Ground Cover % | Current (2) | Expected Wet (2) Dry (2) |
| natural disturbance <input type="checkbox"/> | | cracked <input type="checkbox"/> | (2) (2) |
| no effective disturbance <input type="checkbox"/> | | self-mulched <input type="checkbox"/> | (3) (3) |
| limited clearing <input type="checkbox"/> | | loose <input type="checkbox"/> | (4) (4) |
| extensive clearing <input type="checkbox"/> | | soft <input type="checkbox"/> | (5) (5) |
| cleared, no cultivation <input type="checkbox"/> | | firm <input type="checkbox"/> | (6) (6) |
| occasional cultivation <input type="checkbox"/> | | hardset <input type="checkbox"/> | (7) (7) |
| rainfed cultivation <input type="checkbox"/> | | surface crust <input type="checkbox"/> | (8) (8) |
| irrigated cultivation <input type="checkbox"/> | | trampled <input type="checkbox"/> | (9) (9) |
| highly disturbed <input type="checkbox"/> | | poached <input type="checkbox"/> | (10) (10) |
| | | recently cultivated <input type="checkbox"/> | (11) (11) |
| | | water repellent <input type="checkbox"/> | (12) (12) |
| | | gravelly <input type="checkbox"/> | (13) (13) |
| | | other <input type="checkbox"/> | (14) (14) |

| SITE FIELD NOTES | |
|--------------------|--|
| Photo file name/s: | |



NSW SOIL AND LAND INFORMATION SYSTEM

Please MARK LIKE THIS ONLY:



- Use 2B pencil
- No pen or biro
- Fully erase mistakes
- Make no stray marks
- Numbers in () show max. entries allowed

Please do not mark this space.

4628

| | | | | | | | | | | | | | | | | | | | | | |
|----|--------------|---|-----------|----|----------------|------------------------|----------------|----|---------------|----|----------|-------------|-----|-----|--|--|--------------------------|-----|-----|-----|--|
| cm | mm | 0 | 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 110 | 120 | 130 | 140 | 150 | 160 | 170 | 180 | |
| 1 | LAYER STATUS | | | | | COLOUR (Munsell, 1994) | | | | | Field pH | LAYER NOTES | | | | | Field pH Test Method (1) | | | | |
| | Lower | | Horizon | | Moist Munsell | | Dry Munsell | | (1 per layer) | 1 | | | | | | Raupach (1) test strip (3) pH meter (2) | | | | | |
| 2 | 1 1 1 1 | | 3 B F 2 2 | | 5.5 R 6.5 17 0 | | 5.5 YR 6.5 2 1 | | 1 1 1 | | | | | | HCl (1) | | | | | | |
| | 2 2 2 2 | | 4 C O 3 3 | | 7.5 Y P 2.5 2 | | 7.5 Y P 2.5 2 | | 2 2 2 | | | | | | no effervescence (1) (1) (1) (1) (1) | | | | | | |
| 3 | 3 3 3 3 | | AB P | | 10 N 3 3 | | 10 N 3 3 | | 3 3 3 | | | | | | audible/slight efferv. (2) (2) (2) (2) (2) | | | | | | |
| | 4 4 4 4 | | AC R | | GY 4 4 | | GY 4 4 | | 4 4 4 | | | | | | strong effervescence (3) (3) (3) (3) (3) | | | | | | |
| | 5 5 5 5 | | BC | | G 5 5 | | G 5 5 | | 5 5 5 | | | | | | Boundary Distinctiveness | | | | | | |
| 4 | 6 6 6 6 | | | | 6 6 6 | | 6 6 6 | | 6 6 6 | | | | | | (1 per layer) 1 2 3 4 5 | | | | | | |
| | 7 7 7 7 | | | | 7 7 7 | | 7 7 7 | | 7 7 7 | | | | | | not evident (1) (1) (1) (1) (1) | | | | | | |
| | 8 8 8 8 | | | | 8 8 8 | | 8 8 8 | | 8 8 8 | | | | | | sharp (<5 mm) (2) (2) (2) (2) (2) | | | | | | |
| | 9 9 9 9 | | | | 9 9 9 | | 9 9 9 | | 9 9 9 | | | | | | abrupt (5-20 mm) (3) (3) (3) (3) (3) | | | | | | |
| 5 | 1 1 1 1 | | 3 B F 2 2 | | 5.5 R 6.5 17 0 | | 5.5 YR 6.5 2 1 | | 1 1 1 | | | | | | clear (20-50 mm) (4) (4) (4) (4) (4) | | | | | | |
| | 2 2 2 2 | | 4 C O 3 3 | | 7.5 Y P 2.5 2 | | 7.5 Y P 2.5 2 | | 2 2 2 | | | | | | gradual (50-100 mm) (5) (5) (5) (5) (5) | | | | | | |
| 6 | 3 3 3 3 | | AB P | | 10 N 3 3 | | 10 N 3 3 | | 3 3 3 | | | | | | diffuse (>100 mm) (6) (6) (6) (6) (6) | | | | | | |
| | 4 4 4 4 | | AC R | | GY 4 4 | | GY 4 4 | | 4 4 4 | | | | | | STRUCTURE | | | | | | |
| 7 | 5 5 5 5 | | BC | | G 5 5 | | G 5 5 | | 5 5 5 | | | | | | Grade of Pedality (1) 1 2 3 4 5 | | | | | | |
| | 6 6 6 6 | | | | 6 6 6 | | 6 6 6 | | 6 6 6 | | | | | | single-grained (1) (1) (1) (1) (1) | | | | | | |
| | 7 7 7 7 | | | | 7 7 7 | | 7 7 7 | | 7 7 7 | | | | | | massive (2) (2) (2) (2) (2) | | | | | | |
| | 8 8 8 8 | | | | 8 8 8 | | 8 8 8 | | 8 8 8 | | | | | | weak pedality (3) (3) (3) (3) (3) | | | | | | |
| | 9 9 9 9 | | | | 9 9 9 | | 9 9 9 | | 9 9 9 | | | | | | moderate pedality (4) (4) (4) (4) (4) | | | | | | |
| 8 | 1 1 1 1 | | 3 B F 2 2 | | 5.5 R 6.5 17 0 | | 5.5 YR 6.5 2 1 | | 1 1 1 | | | | | | strong pedality (5) (5) (5) (5) (5) | | | | | | |
| | 2 2 2 2 | | 4 C O 3 3 | | 7.5 Y P 2.5 2 | | 7.5 Y P 2.5 2 | | 2 2 2 | | | | | | Fabric (1) 1 2 3 4 5 | | | | | | |
| 9 | 3 3 3 3 | | AB P | | 10 N 3 3 | | 10 N 3 3 | | 3 3 3 | | | | | | sandy (1) (1) (1) (1) (1) | | | | | | |
| | 4 4 4 4 | | AC R | | GY 4 4 | | GY 4 4 | | 4 4 4 | | | | | | earthy (2) (2) (2) (2) (2) | | | | | | |
| | 5 5 5 5 | | BC | | G 5 5 | | G 5 5 | | 5 5 5 | | | | | | rough-faced peds (3) (3) (3) (3) (3) | | | | | | |
| 10 | 6 6 6 6 | | | | 6 6 6 | | 6 6 6 | | 6 6 6 | | | | | | smooth-faced peds (4) (4) (4) (4) (4) | | | | | | |
| | 7 7 7 7 | | | | 7 7 7 | | 7 7 7 | | 7 7 7 | | | | | | Dominant (1) | | | | | | |
| | 8 8 8 8 | | | | 8 8 8 | | 8 8 8 | | 8 8 8 | | | | | | Ped Shape | | | | | | |
| | 9 9 9 9 | | | | 9 9 9 | | 9 9 9 | | 9 9 9 | | | | | | Sub-dominant (1) | | | | | | |
| 11 | 1 1 1 1 | | 3 B F 2 2 | | 5.5 R 6.5 17 0 | | 5.5 YR 6.5 2 1 | | 1 1 1 | | | | | | 1 2 3 4 5 | | | | | | |
| | 2 2 2 2 | | 4 C O 3 3 | | 7.5 Y P 2.5 2 | | 7.5 Y P 2.5 2 | | 2 2 2 | | | | | | platy (1) (1) (1) (1) (1) | | | | | | |
| | 3 3 3 3 | | AB P | | 10 N 3 3 | | 10 N 3 3 | | 3 3 3 | | | | | | lenticular (2) (2) (2) (2) (2) | | | | | | |
| | 4 4 4 4 | | AC R | | GY 4 4 | | GY 4 4 | | 4 4 4 | | | | | | prismatic (3) (3) (3) (3) (3) | | | | | | |
| | 5 5 5 5 | | BC | | G 5 5 | | G 5 5 | | 5 5 5 | | | | | | columnar (4) (4) (4) (4) (4) | | | | | | |
| 12 | 6 6 6 6 | | | | 6 6 6 | | 6 6 6 | | 6 6 6 | | | | | | angular blocky (5) (5) (5) (5) (5) | | | | | | |
| | 7 7 7 7 | | | | 7 7 7 | | 7 7 7 | | 7 7 7 | | | | | | sub-ang. blocky (6) (6) (6) (6) (6) | | | | | | |
| | 8 8 8 8 | | | | 8 8 8 | | 8 8 8 | | 8 8 8 | | | | | | polyhedral (7) (7) (7) (7) (7) | | | | | | |
| | 9 9 9 9 | | | | 9 9 9 | | 9 9 9 | | 9 9 9 | | | | | | granular (8) (8) (8) (8) (8) | | | | | | |
| 13 | 1 1 1 1 | | 3 B F 2 2 | | 5.5 R 6.5 17 0 | | 5.5 YR 6.5 2 1 | | 1 1 1 | | | | | | crumb (9) (9) (9) (9) (9) | | | | | | |
| | 2 2 2 2 | | 4 C O 3 3 | | 7.5 Y P 2.5 2 | | 7.5 Y P 2.5 2 | | 2 2 2 | | | | | | round (10) (10) (10) (10) (10) | | | | | | |
| 14 | 3 3 3 3 | | AB P | | 10 N 3 3 | | 10 N 3 3 | | 3 3 3 | | | | | | Dominant (1) | | | | | | |
| | 4 4 4 4 | | AC R | | GY 4 4 | | GY 4 4 | | 4 4 4 | | | | | | Ped Size | | | | | | |
| | 5 5 5 5 | | BC | | G 5 5 | | G 5 5 | | 5 5 5 | | | | | | Sub-dominant (1) | | | | | | |
| 15 | 6 6 6 6 | | | | 6 6 6 | | 6 6 6 | | 6 6 6 | | | | | | 1 2 3 4 5 | | | | | | |
| | 7 7 7 7 | | | | 7 7 7 | | 7 7 7 | | 7 7 7 | | | | | | <2 mm (1) (1) (1) (1) (1) | | | | | | |
| | 8 8 8 8 | | | | 8 8 8 | | 8 8 8 | | 8 8 8 | | | | | | 2-5 mm (2) (2) (2) (2) (2) | | | | | | |
| | 9 9 9 9 | | | | 9 9 9 | | 9 9 9 | | 9 9 9 | | | | | | 5-10 mm (3) (3) (3) (3) (3) | | | | | | |
| 16 | 1 1 1 1 | | 3 B F 2 2 | | 5.5 R 6.5 17 0 | | 5.5 YR 6.5 2 1 | | 1 1 1 | | | | | | 10-20 mm (4) (4) (4) (4) (4) | | | | | | |
| | 2 2 2 2 | | 4 C O 3 3 | | 7.5 Y P 2.5 2 | | 7.5 Y P 2.5 2 | | 2 2 2 | | | | | | 20-50 mm (5) (5) (5) (5) (5) | | | | | | |
| | 3 3 3 3 | | AB P | | 10 N 3 3 | | 10 N 3 3 | | 3 3 3 | | | | | | 50-100 mm (6) (6) (6) (6) (6) | | | | | | |
| | 4 4 4 4 | | AC R | | GY 4 4 | | GY 4 4 | | 4 4 4 | | | | | | 100-200 mm (7) (7) (7) (7) (7) | | | | | | |
| | 5 5 5 5 | | BC | | G 5 5 | | G 5 5 | | 5 5 5 | | | | | | 200-500 mm (8) (8) (8) (8) (8) | | | | | | |
| 17 | 6 6 6 6 | | | | 6 6 6 | | 6 6 6 | | 6 6 6 | | | | | | > 500 mm (9) (9) (9) (9) (9) | | | | | | |
| | 7 7 7 7 | | | | 7 7 7 | | 7 7 7 | | 7 7 7 | | | | | | SEGREGATIONS | | | | | | |
| | 8 8 8 8 | | | | 8 8 8 | | 8 8 8 | | 8 8 8 | | | | | | Soil Water Status | | | | | | |
| | 9 9 9 9 | | | | 9 9 9 | | 9 9 9 | | 9 9 9 | | | | | | (1 each per layer) | | | | | | |
| 18 | 1 1 1 1 | | 3 B F 2 2 | | 5.5 R 6.5 17 0 | | 5.5 YR 6.5 2 1 | | 1 1 1 | | | | | | Type (1 per layer) 1 2 3 4 5 | | | | | | |
| | 2 2 2 2 | | 4 C O 3 3 | | 7.5 Y P 2.5 2 | | 7.5 Y P 2.5 2 | | 2 2 2 | | | | | | not evident (1) (1) (1) (1) (1) | | | | | | |
| | 3 3 3 3 | | AB P | | 10 N 3 3 | | 10 N 3 3 | | 3 3 3 | | | | | | calcareous (2) (2) (2) (2) (2) | | | | | | |
| | 4 4 4 4 | | AC R | | GY 4 4 | | GY 4 4 | | 4 4 4 | | | | | | gypseous (3) (3) (3) (3) (3) | | | | | | |
| | 5 5 5 5 | | BC | | G 5 5 | | G 5 5 | | 5 5 5 | | | | | | manganiferous (4) (4) (4) (4) (4) | | | | | | |
| 19 | 6 6 6 6 | | | | 6 6 6 | | 6 6 6 | | 6 6 6 | | | | | | ferruginous (5) (5) (5) (5) (5) | | | | | | |
| | 7 7 7 7 | | | | 7 7 7 | | 7 7 7 | | 7 7 7 | | | | | | ferromanganiferous (6) (6) (6) (6) (6) | | | | | | |
| | 8 8 8 8 | | | | 8 8 8 | | 8 8 8 | | 8 8 8 | | | | | | organic (7) (7) (7) (7) (7) | | | | | | |
| | 9 9 9 9 | | | | 9 9 9 | | 9 9 9 | | 9 9 9 | | | | | | not identified (8) (8) (8) (8) (8) | | | | | | |
| 20 | 1 1 1 1 | | 3 B F 2 2 | | 5.5 R 6.5 17 0 | | 5.5 YR 6.5 2 1 | | 1 1 1 | | | | | | other (9) (9) (9) (9) (9) | | | | | | |
| | 2 2 2 2 | | 4 C O 3 3 | | 7.5 Y P 2.5 2 | | 7.5 Y P 2.5 2 | | 2 2 2 | | | | | | Amount (1 per layer) 1 2 3 4 5 | | | | | | |
| | 3 3 3 3 | | AB P | | 10 N 3 3 | | 10 N 3 3 | | 3 3 3 | | | | | | none (1) (1) (1) (1) (1) | | | | | | |
| | 4 4 4 4 | | AC R | | GY 4 4 | | GY 4 4 | | 4 4 4 | | | | | | very few (<2%) (2) (2) (2) (2) (2) | | | | | | |
| | 5 5 5 5 | | BC | | G 5 5 | | G 5 5 | | 5 5 5 | | | | | | few (2-10%) (3) (3) (3) (3) (3) | | | | | | |
| 21 | 6 6 6 6 | | | | 6 6 6 | | 6 6 6 | | 6 6 6 | | | | | | common (10-20%) (4) (4) (4) (4) (4) | | | | | | |
| | 7 7 7 7 | | | | 7 7 7 | | 7 7 7 | | 7 7 7 | | | | | | many (20-50%) (5) (5) (5) (5) (5) | | | | | | |
| | 8 8 8 8 | | | | 8 8 8 | | 8 8 8 | | 8 8 8 | | | | | | abundant (>50%) (6) (6) (6) (6) (6) | | | | | | |
| | 9 9 9 9 | | | | 9 9 9 | | 9 9 9 | | 9 9 9 | | | | | | Strength (1 per layer) 1 2 3 4 5 | | | | | | |
| 22 | 1 1 1 1 | | 3 B F 2 2 | | 5.5 R 6.5 17 0 | | 5.5 YR 6.5 2 1 | | 1 1 1 | | | | | | weak (1) (1) (1) (1) (1) | | | | | | |
| | 2 2 2 2 | | 4 C O 3 3 | | 7.5 Y P 2.5 2 | | 7.5 Y P 2.5 2 | | 2 2 2 | | | | | | strong (2) (2) (2) (2) (2) | | | | | | |
| | 3 3 3 3 | | AB P | | 10 N 3 3 | | 10 N 3 3 | | 3 3 3 | | | | | | Form (1 per layer) 1 2 3 4 5 | | | | | | |
| | 4 4 4 4 | | AC R | | GY 4 4 | | GY 4 4 | | 4 4 4 | | | | | | soft segregations (1) (1) (1) (1) (1) | | | | | | |
| | 5 5 5 5 | | BC | | G 5 5 | | G 5 5 | | 5 5 5 | | | | | | nodules (2) (2) (2) (2) (2) | | | | | | |
| 23 | 6 6 6 6 | | | | 6 6 6 | | 6 6 6 | | 6 6 6 | | | | | | fragments (3) (3) (3) (3) (3) | | | | | | |
| | 7 7 7 7 | | | | 7 7 7 | | 7 7 7 | | 7 7 7 | | | | | | crystals (4) (4) (4) (4) (4) | | | | | | |
| | 8 8 8 8 | | | | 8 8 8 | | 8 8 8 | | 8 8 8 | | | | | | veins (5) (5) (5) (5) (5) | | | | | | |
| | 9 9 9 9 | | | | 9 9 9 | | 9 9 9 | | 9 9 9 | | | | | | concretions (6) (6) (6) (6) (6) | | | | | | |
| 24 | 1 1 1 1 | | 3 B F 2 2 | | 5.5 R 6.5 17 0 | | 5.5 YR 6.5 2 1 | | 1 1 1 | | | | | | root linings (7) (7) (7) (7) (7) | | | | | | |
| | 2 2 2 2 | | 4 C O 3 3 | | 7.5 Y P 2.5 2 | | 7.5 Y P 2.5 2 | | 2 2 2 | | | | | | tubules (8) (8) (8) (8) (8) | | | | | | |
| | 3 3 3 3 | | AB P | | 10 N 3 3 | | 10 N 3 3 | | 3 3 3 | | | | | | Size (1 per layer) 1 2 3 4 5 | | | | | | |
| | 4 4 4 4 | | AC R | | GY 4 4 | | GY 4 4 | | 4 4 4 | | | | | | fine (<2 mm) (1) (1) (1) (1) (1) | | | | | | |
| | 5 5 5 5 | | BC | | G 5 5 | | G 5 5 | | 5 5 5 | | | | | | medium (2-6 mm) (2) (2) (2) (2) (2) | | | | | | |
| 25 | 6 6 6 6 | | | | 6 6 6 | | 6 6 6 | | 6 6 6 | | | | | | coarse (6-20 mm) (3) (3) (3) (3) (3) | | | | | | |
| | 7 7 7 7 | | | | 7 7 7 | | 7 7 7 | | 7 7 7 | | | | | | coarse (6-20 mm) (3) (3) (3) (3) (3) | | | | | | |
| | 8 8 8 8 | | | | 8 8 8 | | 8 8 8 | | 8 8 8 | | | | | | v coarse (20-60 mm) (4) (4) (4) (4) (4) | | | | | | |
| | 9 9 9 9 | | | | 9 9 9 | | 9 9 9 | | 9 9 9 | | | | | | ext coarse (>60 mm) (5) (5) (5) (5) (5) | | | | | | |
| 26 | 1 1 1 1 | | 3 B F 2 2 | | 5.5 R 6.5 17 0 | | 5.5 YR 6.5 2 1 | | 1 1 1 | | | | | | Sand Fraction 1 2 3 4 5 | | | | | | |
| | 2 2 2 2 | | 4 C O 3 3 | | 7.5 Y P 2.5 2 | | 7.5 Y P 2.5 2 | | 2 2 2 | | | | | | coarse (1) (1) (1) (1) (1) | | | | | | |
| | 3 3 3 3 | | AB P | | 10 N 3 3 | | 10 N 3 3 | | 3 3 3 | | | | | | fine (2) (2) (2) (2) (2) | | | | | | |
| | 4 4 4 4 | | AC R | | GY 4 4 | | GY 4 4 | | 4 4 4 | | | | | | Clay Fraction 1 2 3 4 5 | | | | | | |
| | 5 5 5 5 | | BC | | G 5 5 | | G 5 5 | | 5 5 5 | | | | | | light (1) (1) (1) (1) (1) | | | | | | |
| 27 | 6 6 6 6 | | | | 6 6 6 | | 6 6 6 | | 6 6 6 | | | | | | light medium (2) (2) (2) (2) (2) | | | | | | |
| | 7 7 7 7 | | | | 7 7 7 | | 7 7 7 | | 7 7 7 | | | | | | medium (3) (3) (3) (3) (3) | | | | | | |
| | 8 8 8 8 | | | | 8 8 8 | | 8 8 8 | | 8 8 8 | | | | | | medium heavy (4) (4) (4) (4) (4) | | | | | | |
| | 9 9 9 9 | | | | 9 9 9 | | 9 9 9 | | 9 9 9 | | | | | | heavy (5) (5) (5) (5) (5) | | | | | | |
| 28 | 1 1 1 1 | | 3 B F 2 2 | | 5.5 R 6.5 17 0 | | 5.5 YR 6.5 2 1 | | 1 1 1 | | | | | | | | | | | | |
| | 2 2 2 2 | | 4 C O 3 3 | | 7.5 Y P 2.5 2 | | 7.5 Y P 2.5 2 | | 2 2 2 | | | | | | | | | | | | |
| | 3 3 3 3 | | AB P | | 10 N 3 3 | | 10 N 3 3 | | 3 3 3 | | | | | | | | | | | | |
| | 4 4 4 4 | | AC R | | GY 4 4 | | GY 4 4 | | 4 4 4 | | | | | | | | | | | | |
| | 5 5 5 5 | | BC | | G 5 5 | | G 5 5 | | 5 5 5 | | | | | | | | | | | | |
| 29 | 6 6 6 6 | | | | 6 6 6 | | 6 6 6 | | 6 6 6 | | | | | | | | | | | | |
| | 7 7 7 7 | | | | 7 7 7 | | 7 7 7 | | 7 7 7 | | | | | | | | | | | | |
| | 8 8 8 8 | | | | 8 8 8 | | 8 8 8 | | 8 8 8 | | | | | | | | | | | | |
| | 9 9 9 9 | | | | 9 9 9 | | 9 9 9 | | 9 9 9 | | | | | | | | | | | | |

SITE LOCATION: OPEN Paddock

4630

| | | | | | | | | | | | | | | | | | | | | | |
|----|--------------|---|-----------|----|----------------|------------------------|----------------|----|---------------|----|----------|-------------|-----|-----|-----|---|--------------------------|-----|-----|-----|--|
| cm | mm | 0 | 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 110 | 120 | 130 | 140 | 150 | 160 | 170 | 180 | |
| 1 | LAYER STATUS | | | | | COLOUR (Munsell, 1994) | | | | | Field pH | LAYER NOTES | | | | | Field pH Test Method (1) | | | | |
| | Lower | | Horizon | | Moist Munsell | | Dry Munsell | | (1 per layer) | 1 | | | | | | Raupach (1) test strip (3) pH meter (2) | | | | | |
| 2 | 1 1 1 1 | | 3 B F 2 2 | | 5.5 R 6.5 17 0 | | 5.5 R 6.5 17 0 | | 0 0 0 | | | | | | | HCl (1) | | | | | |
| | 2 2 2 2 | | 4 C O 3 3 | | 7.5 Y P 2.5 2 | | 7.5 Y P 2.5 2 | | 2 2 2 | | | | | | | no effervescence 1 1 1 1 1 1 audible/slight efferv. 2 2 2 2 2 2 strong effervescence 3 3 3 3 3 3 | | | | | |
| 3 | 3 3 3 3 | | AB P | | 10 N 3 3 | | 10 N 3 3 | | 3 3 3 | | | | | | | Boundary Distinctiveness | | | | | |
| | 4 4 4 4 | | AC H | | GY 4 4 | | GY 4 4 | | 4 4 4 | | | | | | | (1 per layer) 1 2 3 4 5 | | | | | |
| | 5 5 5 5 | | BC | | G 5 5 | | G 5 5 | | 5 5 5 | | | | | | | not evident 1 1 1 1 1 1 sharp (<5 mm) 2 2 2 2 2 2 abrupt (5-20 mm) 3 3 3 3 3 3 clear (20-50 mm) 4 4 4 4 4 4 gradual (50-100 mm) 5 5 5 5 5 5 diffuse (>100 mm) 6 6 6 6 6 6 | | | | | |
| 4 | 6 6 6 6 | | | | G 6 6 | | G 6 6 | | 6 6 6 | | | | | | | STRUCTURE | | | | | |
| | 7 7 7 7 | | | | G 7 7 | | G 7 7 | | 7 7 7 | | | | | | | Grade of Pedality (1) 1 2 3 4 5 | | | | | |
| | 8 8 8 8 | | | | G 8 8 | | G 8 8 | | 8 8 8 | | | | | | | single-grained 1 1 1 1 1 1 massive 2 2 2 2 2 2 weak pedality 3 3 3 3 3 3 moderate pedality 4 4 4 4 4 4 strong pedality 5 5 5 5 5 5 | | | | | |
| 5 | 9 9 9 9 | | | | G 9 9 | | G 9 9 | | 9 9 9 | | | | | | | Fabric (1) 1 2 3 4 5 | | | | | |
| | 1 1 1 1 | | 3 B F 2 2 | | 5.5 R 6.5 17 0 | | 5.5 R 6.5 17 0 | | 0 0 0 | | | | | | | sandy 1 1 1 1 1 1 earthy 2 2 2 2 2 2 rough-faced peds 3 3 3 3 3 3 smooth-faced peds 4 4 4 4 4 4 | | | | | |
| 6 | 2 2 2 2 | | 4 C O 3 3 | | 7.5 Y P 2.5 2 | | 7.5 Y P 2.5 2 | | 2 2 2 | | | | | | | Dominant (1) 1 2 3 4 5 | | | | | |
| | 3 3 3 3 | | AB P | | 10 N 3 3 | | 10 N 3 3 | | 3 3 3 | | | | | | | Ped Shape 1 2 3 4 5 | | | | | |
| | 4 4 4 4 | | AC H | | GY 4 4 | | GY 4 4 | | 4 4 4 | | | | | | | Sub-dominant (1) 1 2 3 4 5 | | | | | |
| | 5 5 5 5 | | BC | | G 5 5 | | G 5 5 | | 5 5 5 | | | | | | | platy 1 1 1 1 1 1 lenticular 2 2 2 2 2 2 prismatic 3 3 3 3 3 3 columnar 4 4 4 4 4 4 angular blocky 5 5 5 5 5 5 sub-ang. blocky 6 6 6 6 6 6 polyhedral 7 7 7 7 7 7 granular 8 8 8 8 8 8 crumb 9 9 9 9 9 9 round 10 10 10 10 10 10 | | | | | |
| 7 | 6 6 6 6 | | | | G 6 6 | | G 6 6 | | 6 6 6 | | | | | | | Dominant (1) 1 2 3 4 5 | | | | | |
| | 7 7 7 7 | | | | G 7 7 | | G 7 7 | | 7 7 7 | | | | | | | Ped Size 1 2 3 4 5 | | | | | |
| | 8 8 8 8 | | | | G 8 8 | | G 8 8 | | 8 8 8 | | | | | | | <2 mm 1 1 1 1 1 1 2-5 mm 2 2 2 2 2 2 5-10 mm 3 3 3 3 3 3 10-20 mm 4 4 4 4 4 4 20-50 mm 5 5 5 5 5 5 50-100 mm 6 6 6 6 6 6 100-200 mm 7 7 7 7 7 7 200-500 mm 8 8 8 8 8 8 > 500 mm 9 9 9 9 9 9 | | | | | |
| 8 | 9 9 9 9 | | | | G 9 9 | | G 9 9 | | 9 9 9 | | | | | | | SEGREGATIONS | | | | | |
| | 1 1 1 1 | | 3 B F 2 2 | | 5.5 R 6.5 17 0 | | 5.5 R 6.5 17 0 | | 0 0 0 | | | | | | | Soil Water Status (1 each per layer) 1 2 3 4 5 | | | | | |
| | 2 2 2 2 | | 4 C O 3 3 | | 7.5 Y P 2.5 2 | | 7.5 Y P 2.5 2 | | 2 2 2 | | | | | | | Type (1 per layer) 1 2 3 4 5 | | | | | |
| | 3 3 3 3 | | AB P | | 10 N 3 3 | | 10 N 3 3 | | 3 3 3 | | | | | | | not evident 1 1 1 1 1 1 calcareous 2 2 2 2 2 2 gypseous 3 3 3 3 3 3 manganiferous 4 4 4 4 4 4 ferruginous 5 5 5 5 5 5 ferromanganiferous 6 6 6 6 6 6 organic 7 7 7 7 7 7 not identified 8 8 8 8 8 8 other 9 9 9 9 9 9 | | | | | |
| | 4 4 4 4 | | AC H | | GY 4 4 | | GY 4 4 | | 4 4 4 | | | | | | | Amount (1 per layer) 1 2 3 4 5 | | | | | |
| | 5 5 5 5 | | BC | | G 5 5 | | G 5 5 | | 5 5 5 | | | | | | | none 1 1 1 1 1 1 very few (<2%) 2 2 2 2 2 2 few (2-10%) 3 3 3 3 3 3 common (10-20%) 4 4 4 4 4 4 many (20-50%) 5 5 5 5 5 5 abundant (>50%) 6 6 6 6 6 6 | | | | | |
| 9 | 6 6 6 6 | | | | G 6 6 | | G 6 6 | | 6 6 6 | | | | | | | Strength (1 per layer) 1 2 3 4 5 | | | | | |
| | 7 7 7 7 | | | | G 7 7 | | G 7 7 | | 7 7 7 | | | | | | | weak 1 1 1 1 1 1 strong 2 2 2 2 2 2 | | | | | |
| | 8 8 8 8 | | | | G 8 8 | | G 8 8 | | 8 8 8 | | | | | | | Form (1 per layer) 1 2 3 4 5 | | | | | |
| | 9 9 9 9 | | | | G 9 9 | | G 9 9 | | 9 9 9 | | | | | | | soft segregations 1 1 1 1 1 1 nodules 2 2 2 2 2 2 fragments 3 3 3 3 3 3 crystals 4 4 4 4 4 4 veins 5 5 5 5 5 5 concretions 6 6 6 6 6 6 root linings 7 7 7 7 7 7 tubules 8 8 8 8 8 8 | | | | | |
| 10 | 1 1 1 1 | | 3 B F 2 2 | | 5.5 R 6.5 17 0 | | 5.5 R 6.5 17 0 | | 0 0 0 | | | | | | | Size (1 per layer) 1 2 3 4 5 | | | | | |
| | 2 2 2 2 | | 4 C O 3 3 | | 7.5 Y P 2.5 2 | | 7.5 Y P 2.5 2 | | 2 2 2 | | | | | | | fine (<2 mm) 1 1 1 1 1 1 medium (2-6 mm) 2 2 2 2 2 2 coarse (6-20 mm) 3 3 3 3 3 3 v coarse (20-60 mm) 4 4 4 4 4 4 ext coarse (>60 mm) 5 5 5 5 5 5 | | | | | |
| | 3 3 3 3 | | AB P | | 10 N 3 3 | | 10 N 3 3 | | 3 3 3 | | | | | | | Substrate | | | | | |
| | 4 4 4 4 | | AC H | | GY 4 4 | | GY 4 4 | | 4 4 4 | | | | | | | Upper | | | | | |
| | 5 5 5 5 | | BC | | G 5 5 | | G 5 5 | | 5 5 5 | | | | | | | Estimated Effective Rooting Depth (m) | | | | | |
| 11 | 6 6 6 6 | | | | G 6 6 | | G 6 6 | | 6 6 6 | | | | | | | Sample Taken (3 per layer) 1 2 3 4 5 | | | | | |
| | 7 7 7 7 | | | | G 7 7 | | G 7 7 | | 7 7 7 | | | | | | | Type (1 per layer) Sur 1 2 3 4 5 | | | | | |
| | 8 8 8 8 | | | | G 8 8 | | G 8 8 | | 8 8 8 | | | | | | | Type (1 per layer) Sur 1 2 3 4 5 | | | | | |
| | 9 9 9 9 | | | | G 9 9 | | G 9 9 | | 9 9 9 | | | | | | | Type (1 per layer) Sur 1 2 3 4 5 | | | | | |
| 12 | 1 1 1 1 | | 3 B F 2 2 | | 5.5 R 6.5 17 0 | | 5.5 R 6.5 17 0 | | 0 0 0 | | | | | | | Type (1 per layer) Sur 1 2 3 4 5 | | | | | |
| | 2 2 2 2 | | 4 C O 3 3 | | 7.5 Y P 2.5 2 | | 7.5 Y P 2.5 2 | | 2 2 2 | | | | | | | Type (1 per layer) Sur 1 2 3 4 5 | | | | | |
| | 3 3 3 3 | | AB P | | 10 N 3 3 | | 10 N 3 3 | | 3 3 3 | | | | | | | Type (1 per layer) Sur 1 2 3 4 5 | | | | | |
| | 4 4 4 4 | | AC H | | GY 4 4 | | GY 4 4 | | 4 4 4 | | | | | | | Type (1 per layer) Sur 1 2 3 4 5 | | | | | |
| | 5 5 5 5 | | BC | | G 5 5 | | G 5 5 | | 5 5 5 | | | | | | | Type (1 per layer) Sur 1 2 3 4 5 | | | | | |
| 13 | 6 6 6 6 | | | | G 6 6 | | G 6 6 | | 6 6 6 | | | | | | | Type (1 per layer) Sur 1 2 3 4 5 | | | | | |
| | 7 7 7 7 | | | | G 7 7 | | G 7 7 | | 7 7 7 | | | | | | | Type (1 per layer) Sur 1 2 3 4 5 | | | | | |
| | 8 8 8 8 | | | | G 8 8 | | G 8 8 | | 8 8 8 | | | | | | | Type (1 per layer) Sur 1 2 3 4 5 | | | | | |
| | 9 9 9 9 | | | | G 9 9 | | G 9 9 | | 9 9 9 | | | | | | | Type (1 per layer) Sur 1 2 3 4 5 | | | | | |
| 14 | 1 1 1 1 | | 3 B F 2 2 | | 5.5 R 6.5 17 0 | | 5.5 R 6.5 17 0 | | 0 0 0 | | | | | | | Type (1 per layer) Sur 1 2 3 4 5 | | | | | |
| | 2 2 2 2 | | 4 C O 3 3 | | 7.5 Y P 2.5 2 | | 7.5 Y P 2.5 2 | | 2 2 2 | | | | | | | Type (1 per layer) Sur 1 2 3 4 5 | | | | | |
| | 3 3 3 3 | | AB P | | 10 N 3 3 | | 10 N 3 3 | | 3 3 3 | | | | | | | Type (1 per layer) Sur 1 2 3 4 5 | | | | | |
| | 4 4 4 4 | | AC H | | GY 4 4 | | GY 4 4 | | 4 4 4 | | | | | | | Type (1 per layer) Sur 1 2 3 4 5 | | | | | |
| | 5 5 5 5 | | BC | | G 5 5 | | G 5 5 | | 5 5 5 | | | | | | | Type (1 per layer) Sur 1 2 3 4 5 | | | | | |
| 15 | 6 6 6 6 | | | | G 6 6 | | G 6 6 | | 6 6 6 | | | | | | | Type (1 per layer) Sur 1 2 3 4 5 | | | | | |
| | 7 7 7 7 | | | | G 7 7 | | G 7 7 | | 7 7 7 | | | | | | | Type (1 per layer) Sur 1 2 3 4 5 | | | | | |
| | 8 8 8 8 | | | | G 8 8 | | G 8 8 | | 8 8 8 | | | | | | | Type (1 per layer) Sur 1 2 3 4 5 | | | | | |
| | 9 9 9 9 | | | | G 9 9 | | G 9 9 | | 9 9 9 | | | | | | | Type (1 per layer) Sur 1 2 3 4 5 | | | | | |
| 16 | 1 1 1 1 | | 3 B F 2 2 | | 5.5 R 6.5 17 0 | | 5.5 R 6.5 17 0 | | 0 0 0 | | | | | | | Type (1 per layer) Sur 1 2 3 4 5 | | | | | |
| | 2 2 2 2 | | 4 C O 3 3 | | 7.5 Y P 2.5 2 | | 7.5 Y P 2.5 2 | | 2 2 2 | | | | | | | Type (1 per layer) Sur 1 2 3 4 5 | | | | | |
| | 3 3 3 3 | | AB P | | 10 N 3 3 | | 10 N 3 3 | | 3 3 3 | | | | | | | Type (1 per layer) Sur 1 2 3 4 5 | | | | | |
| | 4 4 4 4 | | AC H | | GY 4 4 | | GY 4 4 | | 4 4 4 | | | | | | | Type (1 per layer) Sur 1 2 3 4 5 | | | | | |
| | 5 5 5 5 | | BC | | G 5 5 | | G 5 5 | | 5 5 5 | | | | | | | Type (1 per layer) Sur 1 2 3 4 5 | | | | | |
| 17 | 6 6 6 6 | | | | G 6 6 | | G 6 6 | | 6 6 6 | | | | | | | Type (1 per layer) Sur 1 2 3 4 5 | | | | | |
| | 7 7 7 7 | | | | G 7 7 | | G 7 7 | | 7 7 7 | | | | | | | Type (1 per layer) Sur 1 2 3 4 5 | | | | | |
| | 8 8 8 8 | | | | G 8 8 | | G 8 8 | | 8 8 8 | | | | | | | Type (1 per layer) Sur 1 2 3 4 5 | | | | | |
| | 9 9 9 9 | | | | G 9 9 | | G 9 9 | | 9 9 9 | | | | | | | Type (1 per layer) Sur 1 2 3 4 5 | | | | | |
| 18 | 1 1 1 1 | | 3 B F 2 2 | | 5.5 R 6.5 17 0 | | 5.5 R 6.5 17 0 | | 0 0 0 | | | | | | | Type (1 per layer) Sur 1 2 3 4 5 | | | | | |
| | 2 2 2 2 | | 4 C O 3 3 | | 7.5 Y P 2.5 2 | | 7.5 Y P 2.5 2 | | 2 2 2 | | | | | | | Type (1 per layer) Sur 1 2 3 4 5 | | | | | |
| | 3 3 3 3 | | AB P | | 10 N 3 3 | | 10 N 3 3 | | 3 3 3 | | | | | | | Type (1 per layer) Sur 1 2 3 4 5 | | | | | |
| | 4 4 4 4 | | AC H | | GY 4 4 | | GY 4 4 | | 4 4 4 | | | | | | | Type (1 per layer) Sur 1 2 3 4 5 | | | | | |
| | 5 5 5 5 | | BC | | G 5 5 | | G 5 5 | | 5 5 5 | | | | | | | Type (1 per layer) Sur 1 2 3 4 5 | | | | | |
| 19 | 6 6 6 6 | | | | G 6 6 | | G 6 6 | | 6 6 6 | | | | | | | Type (1 per layer) Sur 1 2 3 4 5 | | | | | |
| | 7 7 7 7 | | | | G 7 7 | | G 7 7 | | 7 7 7 | | | | | | | Type (1 per layer) Sur 1 2 3 4 5 | | | | | |
| | 8 8 8 8 | | | | G 8 8 | | G 8 8 | | 8 8 8 | | | | | | | Type (1 per layer) Sur 1 2 3 4 5 | | | | | |
| | 9 9 9 9 | | | | G 9 9 | | G 9 9 | | 9 9 9 | | | | | | | Type (1 per layer) Sur 1 2 3 4 5 | | | | | |
| 20 | 1 1 1 1 | | 3 B F 2 2 | | 5.5 R 6.5 17 0 | | 5.5 R 6.5 17 0 | | 0 0 0 | | | | | | | Type (1 per layer) Sur 1 2 3 4 5 | | | | | |
| | 2 2 2 2 | | 4 C O 3 3 | | 7.5 Y P 2.5 2 | | 7.5 Y P 2.5 2 | | 2 2 2 | | | | | | | Type (1 per layer) Sur 1 2 3 4 5 | | | | | |
| | 3 3 3 3 | | AB P | | 10 N 3 3 | | 10 N 3 3 | | 3 3 3 | | | | | | | Type (1 per layer) Sur 1 2 3 4 5 | | | | | |
| | 4 4 4 4 | | AC H | | GY 4 4 | | GY 4 4 | | 4 4 4 | | | | | | | Type (1 per layer) Sur 1 2 3 4 5 | | | | | |
| | 5 5 5 5 | | BC | | G 5 5 | | G 5 5 | | 5 5 5 | | | | | | | Type (1 per layer) Sur 1 2 3 4 5 | | | | | |
| 21 | 6 6 6 6 | | | | G 6 6 | | G 6 6 | | 6 6 6 | | | | | | | Type (1 per layer) Sur 1 2 3 4 5 | | | | | |
| | 7 7 7 7 | | | | G 7 7 | | G 7 7 | | 7 7 7 | | | | | | | Type (1 per layer) Sur 1 2 3 4 5 | | | | | |
| | 8 8 8 8 | | | | G 8 8 | | G 8 8 | | 8 8 8 | | | | | | | Type (1 per layer) Sur 1 2 3 4 5 | | | | | |
| | 9 9 9 9 | | | | G 9 9 | | G 9 9 | | 9 9 9 | | | | | | | Type (1 per layer) Sur 1 2 3 4 5 | | | | | |
| 22 | 1 1 1 1 | | 3 B F 2 2 | | 5.5 R 6.5 17 0 | | 5.5 R 6.5 17 0 | | 0 0 0 | | | | | | | Type (1 per layer) Sur 1 2 3 4 5 | | | | | |
| | 2 2 2 2 | | 4 C O 3 3 | | 7.5 Y P 2.5 2 | | 7.5 Y P 2.5 2 | | 2 2 2 | | | | | | | Type (1 per layer) Sur 1 2 3 4 5 | | | | | |
| | 3 3 3 3 | | AB P | | 10 N 3 3 | | 10 N 3 3 | | 3 3 3 | | | | | | | Type (1 per layer) Sur 1 2 3 4 5 | | | | | |
| | 4 4 4 4 | | AC H | | GY 4 4 | | GY 4 4 | | 4 4 4 | | | | | | | Type (1 per layer) Sur 1 2 3 4 5 | | | | | |
| | 5 5 5 5 | | BC | | G 5 5 | | G 5 5 | | 5 5 5 | | | | | | | Type (1 per layer) Sur 1 2 3 4 5 | | | | | |
| 23 | 6 6 6 6 | | | | G 6 6 | | G 6 6 | | 6 6 6 | | | | | | | Type (1 per layer) Sur 1 2 3 4 5 | | | | | |
| | 7 7 7 7 | | | | G 7 7 | | G 7 7 | | 7 7 7 | | | | | | | Type (1 per layer) Sur 1 2 3 4 5 | | | | | |
| | 8 8 8 8 | | | | G 8 8 | | G 8 8 | | 8 8 8 | | | | | | | Type (1 per layer) Sur 1 2 3 4 5 | | | | | |
| | 9 9 9 9 | | | | G 9 9 | | G 9 9 | | 9 9 9 | | | | | | | Type (1 per layer) Sur 1 2 3 4 5 | | | | | |
| 24 | 1 1 1 1 | | 3 B F 2 2 | | 5.5 R 6.5 17 0 | | 5.5 R 6.5 17 0 | | 0 0 0 | | | | | | | Type (1 per layer) Sur 1 2 3 4 5 | | | | | |
| | 2 2 2 2 | | 4 C O 3 3 | | 7.5 Y P 2.5 2 | | 7.5 Y P 2.5 2 | | 2 2 2 | | | | | | | Type (1 per layer) Sur 1 2 3 4 5 | | | | | |
| | 3 3 3 3 | | AB P | | 10 N 3 3 | | 10 N 3 3 | | 3 3 3 | | | | | | | Type (1 per layer) Sur 1 2 3 4 5 | | | | | |
| | 4 4 4 4 | | AC H | | GY 4 4 | | GY 4 4 | | 4 4 4 | | | | | | | Type (1 per layer) Sur 1 2 3 4 5 | | | | | |
| | 5 5 5 5 | | BC | | G 5 5 | | G 5 5 | | 5 5 5 | | | | | | | Type (1 per layer) Sur 1 2 3 4 5 | | | | | |
| 25 | 6 6 6 6 | | | | G 6 6 | | G 6 6 | | 6 6 6 | | | | | | | Type (1 per layer) Sur 1 2 3 4 5 | | | | | |
| | 7 7 7 7 | | | | G 7 7 | | G 7 7 | | 7 7 7 | | | | | | | Type (1 per layer) Sur 1 2 3 4 5 | | | | | |
| | 8 8 8 8 | | | | G 8 8 | | G 8 8 | | 8 8 8 | | | | | | | Type (1 per layer) Sur 1 2 3 4 5 | | | | | |
| | 9 9 9 9 | | | | G 9 9 | | G 9 9 | | 9 9 9 | | | | | | | Type (1 per layer) Sur 1 2 3 4 5 | | | | | |
| 26 | 1 1 1 1 | | 3 B F 2 2 | | 5.5 R 6.5 17 0 | | 5.5 R 6.5 17 0 | | 0 0 0 | | | | | | | Type (1 per layer) Sur 1 2 3 4 5 | | | | | |
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| | 3 3 3 3 | | AB P | | 10 N 3 3 | | 10 N 3 3 | | 3 3 3 | | </ | | | | | | | | | | |