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ADUR DISTRICT LOCAL PLAN

AGRICULTURAL LAND CLASSIFICATION ALC MAP & REPORT

APRIL 1993

MAFF Reference : EL 9129 ADAS Reference : 4201/124/92

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ADUR DISTRICT LOCAL PLAN AGRICULTURAL LAND CLASSIFICATION

1.

In December, 1992, detailed Agricultural Land Classification (ALC) surveys were conducted at Lancing and Sompting in West Sussex. ADAS was commissioned by MAFF's Land Use Planning Unit to provide information on the quality of agricultural land affected by proposals for development in the Adur District Local Plan.

A total of 332 hectares was surveyed using MAFF's revised guidelines and criteria for classifying the quality of agricultural land. These guidelines allow land to be graded according to the extent to which its physical or chemical characteristics impose long term limitations on its use for agriculture.

The details of the findings are given in the attached appendices, and the distribution of the grades and sub-grades is shown on the attached ALC maps. These have been drawn at a scale of 1:10,000 and are accurate at this level but any enlargement may be misleading. The fieldwork was conducted at a detailed level, with approximately one soil observation per hectare - a combination of auger boring and soil pit descriptions.

The detailed measurements of each grade are presented in the tables below and the following report describes the Lancing and Sompting areas separately.

TABLE 1: Lancing, Distribution of Grades and Sub-grades

| <u>Grade</u> | Area (ha) | <pre>% of Agricultural Area</pre> |
|--------------|-----------|-----------------------------------|
| 2 | 22.3 | 16.8 |
| 3A | 15.3 | 11.5 |
| 3B | 95.1 | <u>71.7</u> |
| Non Agric | 5.5 | 100% (132.7 ha) |
| Urban | 0.3 | |
| TOTAL | 138.5 ha | |

TABLE 2: Sompting, Distribution of Grades and Sub-grades

| Grade | <u>Area (ha)</u> | <pre>§ of Agricultural Area</pre> | | |
|-----------|------------------|-----------------------------------|--|--|
| 2 | 101.5 | 67.5 | | |
| 3A | 16.3 | 10.8 | | |
| 3B | 32.1 | 21.4 | | |
| 4 | 0.5 | 0.4 | | |
| Non Agric | 32.7 | | | |
| Urban | 10.4 | 100% (150.4 ha) | | |
| TOTAL | 193.5 ha | | | |

2. Land at Lancing

2.1 Three distinct blocks of agricultural land were surveyed on the eastern edge of Lancing, totalling.138.5 hectares: an area north of the A27 (T) developed on higher slopes overlying Chalk and Quaternary Head deposits; a central area of low lying land bounded by the A27 (T) and the coastal railway with soils developed over Alluvium deposits in the east and Quaternary Head and Raised Beach Deposits in the west; a flat, low lying area to the south between the railway and the coast with soils largely developed over Alluvium deposits.

- 2.2 Land to the north of the A27 (T) is a mixture of Sub-grades 3A and 3B. Pits numbers 2, 3 and 4 were located in this area and illustrate the range of soils that occur in this section. Soil droughtiness is the single most limiting factor on these soils that have developed over Chalk. The northern fringe of Sub-grade 3B identifies shallow soils which rest on Chalk from within 30 cm depth. Even with roots penetrating 45 cm into the Chalk, the low amount of available water for plants restricts these profiles to no better than Sub-grade 3B. The deeper Sub-grade 3A soils exhibit Heavy Clay Loam topsoil textures overlying Clay subsoils, with Chalk occasionally present from 65 cm depth or with subsoils with high chalk stone percentages. Roots again penetrate the Chalk layers but there is a significant limitation on the degree of available water.
- 2.3 Land between the A27 (T) and the railway falls into two distinct ALC grades.

To the east of Marsh Barn Lane the alluvial soils are classified as Sub-Grade 3B. To the west of the Lane, the soils are classified as Grade 2.

Pit 1 is typical of the Sub-grade 3B soils. Soil wetness is the important limiting factor. Clay topsoils overlie clay subsoils which exhibit clear evidence of shallow gleying caused by waterlogging related to slowly permeable structures in the upper subsoil. These soils are therefore placed in Wetness Class IV (i.e. the profile is wet within 70 cm depth for more than 180 days but not wet within 40 cm depth for more than 210 days in most years) and suffer from a significant restriction on the number of days when the soil is in a suitable condition for cultivation, trafficking by machinery or grazing by livestock.

The Grade 2 soils in the western end are typically Medium Clay Loam topsoils overlying Heavy Clay Loam upper subsoils and Clay lower subsoils. The profiles are stone free, show no evidence of significant wetness and the subsoils exhibit moderate structural conditions. Soil droughtiness is the most significant physical limitation with the profiles having insufficient available water to qualify for a higher grade.

2.4 The southern block of land is mostly Sub-grade 3B, with a limited area of Sub-grade 3A on the north-eastern fringe. The soils are similar to the poor alluvial soils described by Pit 1 north of the railway, with a significant soil wetness limitation.

A limited area of better quality Sub-grade 3A land defines variable profiles with lighter textures, better structures and a less significant wetness limitation. These profiles experience a soil droughtiness limitation.

Table 3: Climatic Interpolations, Lancing

| Grid Reference | TQ 190060 | TQ 193043 |
|----------------------------------|-----------|-----------|
| Altitude | 35 | - 4 |
| Accumulated Temperature (° days) | 1502 | 1537 |
| Average Annual Rainfall (mm) | 793 | 758 |
| Field Capacity (days) | 166 | 161 |
| Moisture deficit, Wheat (mm) | 115 | 121 |
| Moisture deficit, Potatoes (mm) | 111 | 119 |
| Climatic Grade | 1 | 1 |

3. Land at Sompting

3.1 The ALC survey at Sompting covers 193.5 hectares and includes the lower lying flat land in the Sompting gap between the urban areas of Sompting and Worthing and includes a significant block of land north of the A27 (T) around Sompting Abbotts.

The majority of the soils are developed over Head Deposits with a band of Chalk along the higher ground on the northern fringe and with a band of Raised Beach deposits and Alluvium along the southern fringe.

3.2 Land in the extreme north of the site is classified as Sub-grade 3B, with gradients locally in the range 7-11°. On the southern slopes adjacent to this area of Sub-grade 3B there is a fringe of Sub-grade 3A soils where soil droughtiness becomes the most limiting factor. Chalk is encountered at depths below approximately 60 cm, but the stony nature of the subsoil combines to significantly restrict the amount of available water for plants. Pit 1 is typical of these soils.

Soils with stony subsoils also occur in the south-western edge of the northern block. These soils though of heavier textures again experience a significant droughtiness limitation which restricts them to Sub-grade 3A (see Pit 2).

3.3 The remainder of the northern block and the bulk of the southern section form a large map unit of Grade 2 land. Pits 3 and 5 are typical of the variation that exists in this map unit. Soil droughtiness is generally the key limitation, for soils that have Medium Clay Loam topsoils overlying stone-free and freely draining Heavy Clay Loam upper and lower subsoils. These profiles fail to have enough available water in the profile for shallower rooting crops such as potatoes.

In the western edge of this map unit soil wetness becomes the most limiting factor. Soils here are generally heavier, with a sequence of Medium Clay Loam, Heavy Clay Loam, and Clay in the profile, the clay occurring from approximately 50 cm depth. There is clear evidence of gleying within the top 40 cm and, when augering the subsoils appear slowly permeable. The soil pit (Pit 5), however, reveals that the subsoils are not poor in structure, allowing these profiles to be placed in Wetness Class II (i.e. the soils is wet within 70 cm for more than 90 days, but not wet within 40 cm for more than 30 days in most years) and Grade 2. The soil pit is actually classified as Sub-grade 3A due to a droughtiness limitation related to slightly stony lower subsoils. In general, the subsoils are not as stony and qualify for Grade 2 even on droughtiness.

- 3.4 A limited area of Sub-grade 3A occurs over Beach Deposits, which have given rise to soils with very stony subsoils (35-45% stone content) which experience a significant restriction on the amount of water available in the profile and, hence, a droughtiness limitation.
- 3.5 The southern fringe is classified as Sub-grade 3B. This lower lying area has a significant wetness limitation. The soils are developed over Alluvium, are typically Heavy Clay Loam topsoils with Clay subsoils which are slowly permeable. This area is placed in Wetness Class IV (i.e. the soil profile is wet within 70 cm depth for more than 180 days but not wet within 40 cm depth for more than 210 days in most years) and this degree of wetness severely restricts the number of days when the soil is in a suitable condition for cultivation, trafficking by machinery or grazing by livestock.
- 3.6 The non-agricultural areas outlined on the map include farm tracks, areas overgrown by bramble and scrub, allotment gardens, school playing fields, reed beds and sizeable field ditches.

Table 4: Climatic Interpolations, Sompting

| Grid Reference | TQ165 040 | TQ160 055 | TQ160 054 | TQ157 059 |
|---------------------------------|-----------|-----------|-----------|-----------|
| Altitude (m) | 5 | 30 | 20 | 70 |
| Accumulated Temperature (° days | s) 1537 | 1508 | 1520 | 1463 |
| Average Annual Rainfall (mm) | 773 | 805 | 801 | 824 |
| Field Capacity (days) | 164 | 169 | 168 | 171 |
| Moisture Deficit, Wheat (mm) | 120 | 115 | 117 | 110 |
| Moisture Deficit, Potatoes (mm |) 113 | 111 | 113 | 104 |
| Overall Climatic Grade | 1 | 1 | 1 | 1 |

DESCRIPTION OF THE GRADES AND SUB-GRADES

Grade 1 : Excellent Quality Agricultural Land

Land with no or very minor limitations to agricultural use. A very wide range of agricultural and horticultural crops can be grown and commonly includes top fruit, soft, fruit, salad crops and winter harvested vegetables. Yields are high and less variable than on land of lower quality.

Grade 2 : Very Good Quality Agricultural Land

Land with minor limitations which affect crop yield, cultivations or harvesting. A wide range of agricultural or horticultural crops can usually be grown but on some land on the grade there may be reduced flexibility due to difficulties with the production of the more demanding crops such as winter harvested vegetables and arable root crops. The level of yield is generally high but may be lower or more variable than Grade 1.

Grade 3 : Good To Moderate Quality Agricultural Land

Land with moderate limitations which affect the choice of crops, timing and type of cultivation, harvesting or the level of yield. When more demanding crops are grown yields are generally lower or more variable than on land in grades 1 and 2.

Sub-grade 3A : Good Quality Agricultural Land

Land capable of consistently producing moderate to high yields of a narrow range of arable crops, especially cereals, or moderate yields of a wide range of crops including cereals, grass, oilseed rape, potatoes, sugar beet and the less demanding horticultural crops.

Sub-grade 3B : Moderate Quality Agricultural Land

Land capable of producing moderate yields of a narrow range of crops, principally cereals and grass, or lower yields of a wider range of crops or high yields of grass which can be grazed or harvested over most of the year.

Grade 4 : Poor Quality Agricultural Land

Land with severe limitations which significantly restrict the range of crops and/or the level of yields. It is mainly suited to grass with occasional arable crops (eg. cereals and forage crops) the yields of which are variable. In moist climates, yields of grass may be moderate to high but there may be difficulties in utilisation. the grade also includes very droughty arable land.

Grade 5 : Very Poor Quality Agricultural Land

Land with very severe limitations which restrict use to permanent pasture or rough grazing, except for occasional pioneer forage crops.

Urban

Built-up or 'hard' uses with relatively little potential for a return to agriculture : housing, industry, commerce, education, transport, religious buildings, cemeteries. Also, hard-surfaced sports facilities, permanent caravan sites and vacant land; all types of derelict land, including mineral workings which are only likely to be reclaimed using derelict land grants.

Non-agricultural

'Soft' uses where most of the land could be returned relatively easily to agriculture, including : private parkland, public open spaces, sports fields, allotments and soft-surfaced areas on airports/airfields. Also active mineral workings and refuse tips where restoration conditions to 'soft' after-uses may apply.

Woodland

Includes commercial and non-commercial woodland.

Agricultural Buildings

Includes the normal range of agricultural buildings as well as other relatively permanent structures such as glasshouses. Temporary structures (eg. polythene tunnels erected for lambing) may be ignored.

Open Water

Includes lakes, ponds and rivers as map sclae permits.

Land Not Surveyed

Agricultural land which has not been surveyed.

Where the land use includes more than one of the above, eg. buildings in large grounds, and where map scale permits, the cover types may be shown separately. Otherwise, the most extensive cover type will be shown.

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REFERENCES

* MAFF (1988), Agricultural Land Classification of England And Wales : revised guidelines and criteria for grading the quality of agricultural land.

* Meteorological Office (1989), Climatological Data for Agricultural Land Classification.

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APPENDIX III

DEFINITION OF SOIL WETNESS CLASSES

Wetness Class I

The soil profile is not wet within 70cm depth for more than 30 days in most years.

Wetness Class II

The soil profile is wet within 70cm depth for 31-90 days in most years or, if there is no slowly permeable layer within 80cm depth, it is wet within 70cm for more than 90 days, but not wet within 40cm depth for more than 30 days in most years.

Wetness Class III

The soil profile is wet within 70cm depth for 91-180 days in most years or, if there is no slowly permeable layer within 80cm depth, it is wet within 70cm for more than 180 days, but only wet within 40cm depth for 31-90 days in most years.

Wetness Class IV

The soil profile is wet within 70cm depth for more than 180 days but not wet within 40cm depth for more than 210 days in most years or, if there is no slowly permeable layer within 80cm depth, it is wet within 40cm depth for 91-210 days in most years.

Wetness Class V

The soil profile is wet within 40cm depth for 211-335 days in most years.

Wetness Class VI

The soil profile is wet within 40cm depth for more than 335 days in most years.

(The number of days is not necessarily a continuous period. 'In most years' is defined as more than 10 out of 20 years.)

APPENDIX IV

SOIL PIT AND SOIL BORING DESCRIPTIONS

Contents : * Soil Abbreviations : Explanatory Note

- * Soil Pit Descriptions
- * Database Printout : Boring Level Information
- * Database Printout : Horizon Level Information

SOIL PROFILE DESCRIPTIONS : EXPLANATORY NOTE

Soil profile and pit information obtained during ALC surveys is held on a database. This has commonly used notations and abbreviations as set out below.

BORING HEADERS

- 1. GRID REF : National grid square followed by 8 figure grid reference.
- USE : Land-use at the time of survey. The following abbreviations are used.

| ARA - | arable | PAS/PGR - permanent pasture |
|-----------|---|-----------------------------|
| WHT - | wheat | RGR - rough grazing |
| BAR - | barley | LEY - ley grassland |
| CER - | cereals | CFW - coniferous woodland |
| OAT - | Oats | DCW - deciduous woodland |
| MZE - | maize | SCR - scrub |
| OSR - | · Oilseed rape | HTH - heathland |
| BEN - | field beans | BOG - bog or marsh |
| BRA - | brassicae | FLW - fallow |
| POT - | potatoes | PLO - ploughed |
| SBT - | • sugarbeet | SAS - set-aside |
| FCD - | fodder crops | OTH - other |
| FRT - | soft and top fruit | LIN - linseed |
| HOR/HRT - | horticultural crops | |

3. GRDNT : Gradient as measured by optical reading clinometer.

4. GLEY/SPL : Depth in centimetres (cm) to gleyed and/or slowly permeable horizons.

5. AP (WHEAT/POTS) : Crop-adjusted available water capacity. The amount of soil water (in millimetres) held in the soil profile that is available to a growing crop (wheat and potatoes are used as reference crops).

- 6. MB (WHEAT/POTS) : The moisture balance for wheat and potatoes obtained by subtracting the soil moisture deficit from the crop-adjusted available water capacity.
- DRT: Grade according to soil droughtiness assessed against soil moisture balances.

| 8. | M REL | : | Micro-relief | |
|----|-------|---|---------------------|--|
| | FLOOD | : | Flood risk | It any or these factors are considered |
| | EROSN | : | Soil erosion | significant in terms of the assessment |
| | EXP | : | Exposure | be optimed in the velocity, a y will |
| | FROST | : | Frost prone | be entered in the relevant column. |
| | DIST | : | Disturbed land |) |
| | CHEM | : | Chemical limitation | |

9. LIMIT : Principal limitation to agricultural land quality. The following abbreviations are used:

- OC overall climate AE - aspect EX - exposure FR - frost GR - gradient MR - micro-relief FL - flooding TX - soil texture DP - soil depth

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PROFILES & PITS

 TEXTURE : Soil texture classes are denoted by the following abbreviations:

| S | | sand |
|------|--------------|------------------------|
| LS | - | loamy sand |
| SL | - | sandy loam |
| SZL | - | sandy silt loam |
| ZL | - | silt loam |
| MZCL | - | medium silty clay loam |
| MCL | ~ | medium clay loam |
| SCL | | sandy clay loam |
| HZCL | | heavy silty clay loam |
| SC | - | sandy clay |
| ZC | - | silty clay |
| С | - | clay |

For the sand, loamy sand, sandy loam and sandy silt loam classes, the predominant size of sand fraction may be indicated by the use of prefixes.

F - fine (more than $\frac{2}{3}$ of the sand less than 0.2 mm) C - coarse (more than $\frac{1}{3}$ of sand greater than 0.6 mm) M - medium (less than $\frac{2}{3}$ fine sand and less than $\frac{1}{3}$ coarse sand)

The sub-divisions of clay loam and silty clay loam classes according to clay content are indicated as follows:

M - medium (less than 27% clay)
H - heavy (27-35% clay)

Other possible texture classes include:

OL - organic loam P - peat SP - sandy peat LP - loamy peat PL - peaty loam. PS - peaty sand MZ - marine light silts 2. MOTTLE COL : Mottle colour 3. MOTTLE ABUN : Mottle abundance - few - less than 2% of matrix or surface described F C - common - 2-2% of the matrix M - many - 20-40% of the matrix VM - very many - 40% + of the matrix 4. MOTTLE CONT : Mottle continuity F - faint - indistinct mottles, evident only on close examination D - distinct - mottles are readily seen P - prominent - mottling is conspicuous and one of the outstanding features of the horizon 5. PED.COL : Ped face colour 6. STONE LITH : Stone lithology. One of the following is used. HR - all hard rocks or stones MSST - soft, medium or coarse grained sandstone SI soft weathered igneous or metamorphic SLST - soft colitic or dolomitic limestone FSST - soft, fine grained sandstone ZR - soft, argillaceous, or silty rocks CH - chalk - gravel with non-porous (hard) stones GH GS - gravel with porous (soft) stones Stone contents (>2cm, >6cm and total) are given in percentages (by volume). 7. STRUCT : the degree of development, size and shape of soil peds are described using the following notation. - degree of development WK - weakly developed MD - moderately developed ST - strongly well developed F - fine - <u>ped size</u> - medium -М - coarse С VC - very coarse - ped_shape S - single grain М - massive GR - granular SB/SAB - sub-angular blocky AB - angular blocky PR - prismatic PL - platy

8. CONSIST : Soil consistence is decribed using the following notation:

L - loose VF - very friable FR - friable FM - firm VM - very firm EM - extremely firm EH - extremely hard

.9. SUBS STR : Subsoil structural condition recorded for the purpose of calculating profile droughtiness.

- G good M - moderate P - poor
- 10. POR : Soil porosity. If a soil horizon has less than 0.5% biopores >0.5 mm, a 'y' will appear in this column.
 - 11. IMP : If the profile is impenetrable a 'y' will appear in this column at the appropriate horizon.
 - 12. SPL : Slowly permeable layer. If the soil horizon is slowly permeable a y will appear in this column.
 - 13. CALC : If the soil horizon is calcareous, a 'y' will appear in this column.

14. Other Notations

APW - available water capacity (in mm) adjusted for wheat APP - available water capacity (in mm) adjusted for potatoes MBW - moisture balance, wheat MBP - moisture balance, potatoes

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| Site Name : ADUR LP - LANCIN | G Pit | Number | : 1P | |
|---|---|--------------------------|--------------|-------------------------------|
| Grid Reference: TQ29180555 | Average Annual Rainfall : 0 mm Accumulated Temperature : 0 degree da Field Capacity Level : 0 days Land Use : Arable Slope and Aspect : degrees | | | n egree days ys rees |
| HORIZON TEXTURE COLOUR 0-25 C 10YR42 0 25-55 C 25Y 62 0 | STONES >2 TOT.: 0 0 0 0 | stone O O | MOTTLES M | STRUCTURE |
| Wetness Grade : 38 | Wetness Class Gleying SPL | : IV :025 c :025 c | m m | |
| Drought Grade : | APW : 000mm MBW APP : 000mm MBP | : 0 : 0 | am mm | |
| FINAL ALC GRADE : 3B | | | | |

MAIN LIMITATION : Wetness

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| Site Name : ADUR LP - LANCING | 9 Pit Number | : 2P |
|---|--|---|
| Grid Reference: TQ29180603 | Average Annual Rainfall Accumulated Temperature Field Capacity Level Land Use Slope and Aspect | : 0 mm : 0 degree days : 0 days : Arable : 02 degrees S |
| HORIZON TEXTURE COLOUR 0- 28 HZCL 10YR53 63 28- 75 CH 00CH00 00 | STONES >2 TOT.STONE 0 10 0 3 | MOTTLES STRUCTURE |
| Wetness Grade : 2 | Wetness Class : I Gleying :000 (SPL : No 3 | cm SPL |
| Drought Grade : 38 | APW:087mm MBW:20 APP:089mm MBP:-2 | 3 mm 2 mm |
| FINAL ALC GRADE : 3B | | |

MAIN LIMITATION : Droughtiness

| Site Name | e : ADUR LF | P - LANCING | à | Pit Number | : 3P | | |
|----------------------------|-------------|-------------|---|--|---|---|--|
| Grid Reference: TQ29400590 | | | Average Annu Accumulated Field Capaci Land Use Slope and As | al Rainfall Temperature ty Level | : On : Oc : Oda : : : O3 deg | 0 mm 0 degree days 0 days 03 degrees S | |
| HORIZON | TEXTURE | COLOUR | STONES >2 | TOT. STONE | MOTTLES | STRUCTURE | |
| 0- 28 28- 65 | nuL C | 10YR43 00 | | 3 20 | | WCSAR | |
| 65-105 | СН | 10YR82 00 |) 0 | 5 | | nond | |
| Wetness G | irade : 2 | | Wetness Clas Gleying SPL | s:I :000 (:No (| cm SPL | | |
| Drought G | irade : 3A | | APW : 114mm APP : 102mm | MBW : - MBP : -1 | 7 mm 7 mm | | |
| FINAL ALC | GRADE : 3 | A | | | | | |

MAIN LIMITATION : Droughtiness

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| Site Name | e : ADUR LF | P - LANCING | | Pit Number | •: 4P | |
|-----------|-------------|--------------------------------|---|--|---|---------------------------------|
| Grid Refe | arence: TQ2 | 29480590 / / F L S | Average Annu Accumulated Field Capaci Land Use Slope and As | al Rainfall Temperature ty Level pect | : 0 m : 0 d : 0 da : : 02 deg | m egree days ys rees S |
| HORIZON | TEXTURE | COLOUR | STONES >2 | TOT, STONE | MOTTLES | STRUCTURE |
| 0- 29 | HCL | 10YR42 43 | 0 | 7 | | |
| 29- 52 | С | 10YR44 00 | 0 | 10 | | MCSAB |
| 52- 60 | С | 10YR54 00 | 0 | 20 | | MCSAB |
| 60-120 | HZCL | 10YR86 00 | 0 | 50 | | WCSAB |
| Wetness (| Grade : 2 | 6 5 | Wetness Clas Gleying GPL | s : I :000 :No | cm SPL | |
| Drought 0 | Grade : 3A | # # | APW : 138mm APP : 107mm | MBW: 1 MBP:-1 | 7 mm 2 mm | |
| | | | | | | |

FINAL ALC GRADE : 3A MAIN LIMITATION : Droughtiness

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| Site Name : ADUR LP - LANCING Pit Number | | | | | •: 5 | P | |
|--|------------------------------|--|----------------------|--|---|-------------------------|--|
| Grid Reference: TQ29980470 | | | | verage Annu ccumulated ield Capaci and Use lope and As | al Rainfal Temperature ty Level pect | l: : 0 : Per : | 0 mm 0 degree days days manent Grass degrees |
| HORIZON 0- 24 24- 34 34- 57 57- 75 | TEXTURE ZC C C C | COLOUR 10YR42 10YR53 25Y 62 25Y 52 | 53 54 00 00 | STONES >2 0 0 0 0 | TOT.STONE 0 0 0 0 | Mottl F M M | es structure Mcab Mcab Mcp |
| Wetness G | arade : 3B | | ¥ G S | etness Clas leying PL | s : IV :034 :034 | cm cm | |
| Drought G | irade : | | A A | PW : 000mm PP : 000mm | MBW : MBP : | 0mm 0mm | |
| FINAL ALC | GRADE : 3 | B | | | | | |

MAIN LIMITATION : Wetness

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LIST OF BORINGS HEADERS 06/10/93 ADUR LP - LANCING

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| SAMP | LE | A | SPECT | | | | WET | NESS | -WH | EAT- | -PC | TS- | м. | REL | EROSN | FRO | DST | CHEM | ALC | |
|------------|-------------|----------------|-------|----------|------|-------|-------|-------|-----|------------|-----|-----|------------|-------|-------|-----|------|-------|----------|----------|
| NO. | GRID REF | USE | | GRDNT | GLEY | (SPL | CLASS | GRADE | AP | MB | AP | MB | DRT | FLOOD | E | XP | DIST | LIMIT | | COMMENTS |
| 1 | T029200610 | ۸₽۸ | s | 01 | 000 | | 1 | 2 | 085 | -30 | 091 | -20 | R | | | | | DP | 30 | P0075 70 |
| 1P | T029180555 | ARA | 0 | • | 025 | 025 | 4 | 38 | 000 | -00 | 000 | -20 | 50 | | | | | WF | 38 | |
| 2 | T028900600 | STIL | s | 05 | 000 | VE0 | 1 | 2 | 086 | -29 | 000 | -21 | 38 | | | | | | 28 | FUUKOFL |
| 20 | T029180603 | APA | s | 02 | 000 | | 1 | 2 | 087 | -28 | 080 | -22 | 38 | | | | | | 20 | DOOTS 75 |
| 2 | T029000600 | STU | c | 06 | 000 | | 1 | 2 | 086 | -20 | 003 | _10 | 38 | | | | | | 3D 2D | ROOTS 75 |
| J | 1423000000 | 010 | 0 | | | | • | 2 | 000 | 25 | 052 | 15 | 00 | | | | | | 50 | K0013 70 |
| 3P | TQ29400590 | AR | S | 03 | 000 | | 1 | 2 | 114 | 7 | 102 | -17 | 3A | | | | | DR | 3A | ROOTS105 |
| 4 | TQ29100600 | Stu | S | 02 | 000 | | 1 | 2 | 142 | 27 | 115 | 4 | 2 | | | | | DR | 2 | |
| 4 P | TQ29480590 | AR | S | 02 | 000 | | 1 | 2 | 138 | 17 | 107 | -12 | ЗА | | | | | DR | 3A | |
| 5 | TQ29200600 | ARA | S | 03 | 000 | | 1 | 2 | 081 | -34 | 087 | -24 | 3B | | | | | DR | 38 | ROOT 70 |
| 5P | TQ29980470 | PGR | | | 034 | 034 | 4 | 3B | 000 | 0 | 000 | 0 | | | | | | WE | 3B | SPL 34 |
| 6 | T029300600 | ٨R | s | 02 | 000 | | 1 | 2 | 088 | -27 | 090 | -21 | 3B | | | | | DP | 20 | P00T 70 |
| 7 | T029400600 | AR | s | 02 | 000 | | 1 | 2 | 135 | 20 | 101 | -10 | 2 | | | | | DP | 2 | |
| Ŕ | T029500600 | | s | 04 | 000 | | 1 | 2 | 102 | -13 | 098 | -13 | ۲ <u>۵</u> | | | | | אט | 24 | |
| ä | T029600600 | ΔĐ | s | 04 04 | 000 | | 1 | 2 | 134 | 19 | 108 | -3 | 2 | | | | | סת | 2 | K0013 03 |
| 10 | T028900590 | STIL | s | 06 | 000 | | 1 | 2 | 100 | -21 | 112 | -7 | - 38 | | | | | 50 | 28 | |
| 10 | . 420300030 | 010 | Ŷ | | 000 | | • | | 100 | <u>~</u> · | | | 00 | | | | | DK | JU | FROD SA |
| 12 | TQ29100590 | STU | s | 04 | 000 | | 1 | 2 | 133 | 12 | 108 | -11 | 3A | | | | | DR | 3A | 2-3A |
| 13 | TQ29200590 | AR | S | 02 | 000 | | 1 | 2 | 090 | -31 | 093 | -26 | 3B | | | | | DR | 3B | |
| 14 | TQ29300590 | AR | s | 04 | 000 | | 1 | 2 | 078 | -43 | 078 | -41 | 3B | | | | | DR | 3B | PROB 3A |
| 15 | T029400590 | AR | s | 02 | 000 | | 1 | 2 | 133 | 12 | 112 | -7 | 2 | | | | | DR | 2 | IMP 80 |
| 16 | T029500590 | AR | s | | 000 | | 1 | 2 | 141 | 20 | 111 | -8 | 2 | | | | | DR | 2 | -8 POT |
| | | | | | | | | | | | | | | | | | | | - | |
| 17 | TQ28900580 | STU | s | 05 | 000 | | 1 | 2 | 135 | 14 | 112 | -7 | 2 | | | | | DR | 2 | |
| 18 | TQ29000580 | STU | s | 02 | 000 | | 1 | 2 | 079 | -42 | 079 | -40 | 3B | | | | | DR | 3B | IMP70-3A |
| 19 | TQ29100580 | STU | S | 02 | 000 | | 1 | 2 | 132 | 11 | 108 | -11 | 3A | | | | | DR | 3A | IMP 80 |
| 20 | TQ29200580 | AR | SW | 01 | 000 | | 1 | 2 | 090 | -31 | 098 | -21 | 38 | | | | | DR | 3B | IMP60-3A |
| 23 | TQ29700580 | STU | | | 029 | 029 | 4 | 3B | 000 | 0 | 000 | 0 | | | | | | WE | ЗВ | SPL |
| - | 7020200570 | OTU | | | 000 | 000 | | 20 | 000 | 25 | 000 | | 20 | | | | | | | 0.01 |
| 24 | 1029200570 | 210 | | | 028 | 028 | 4 | 38 | 080 | -35 | 092 | -27 | SB | | | | | WE | 38 | SPL 28 |
| 26 | 1029400570 | SIU | | | 028 | 028 | 4 | 38 | 000 | 0 | 000 | 0 | | | | | | WE | 3B | SPL 28 |
| 28 | TQ29600570 | STU | | | 028 | 028 | 4 | 3B | 000 | 0 | 000 | 0 | | | | | | WE | 3B | SPL 28 |
| 30 | 1029200560 | STU | | | 022 | 022 | 4 | 3B | 000 | 0 | 000 | 0 | •• | | | | | WE | 3B | |
| 31 | TQ29300560 | STU | | | 030 | 030 | 4 | 3B | 108 | -13 | 116 | -3 | ЗА | | | | | WE | 38 | |
| 32 | TQ29400560 | ARA | | | 025 | 025 | 4 | 3B | 000 | 0 | 000 | 0 | | | | | | WE | 3B | SPL |
| 33 | TQ29500560 | STU | | | 025 | 032 | 4 | 3B | 000 | 0 | 000 | 0 | | | | | | WE | 38 | SPL 32 |
| 34 | TQ29600560 | ARA | | | 022 | 022 | 4 | 3B | 000 | 0 | 000 | 0 | | | | | | WE | 3B | SPL |
| 35 | TQ29700560 | ARA | | | 020 | 020 | 4 | 3B | 000 | 0 | 000 | 0 | | | | | | WE | 3B | SPL |
| 36 | TQ29200550 | STU | | | 025 | 025 | 4 | 38 | 000 | 0 | 000 | 0 | | | | | | WE | 3B | |
| ~ - | | o T ''' | | | | | | | | - | | - | | | | | | • | | |
| 3/ | 1029300550 | 510 | | | 023 | 023 | 4 | 38 | 000 | 0 | 000 | U | | | | | | WE | 38 | . |
| 38 | 1029400550 | ARA | | | 025 | U25 | 4 | 38 | 000 | 0 | 000 | 0 | | | | | | WE | 3B | SPL |
| 39 | TQ29500550 | PLO | | | 025 | 030 | 4 | 3B | 000 | 0 | 000 | 0 | | | | | | WE | 3B | SPL 30 |
| 40 | 1029600550 | ARA | | | 028 | 028 | 4 | 3B | 000 | 0 | 000 | 0 | | | | | | WE | 3B | SPL |
| 41 | TQ29700550 | ARA | | | 025 | 025 | 4 | 3B | 000 | 0 | 000 | 0 | | | | | | WE | 3B | SPL |
| 42 | T029000540 | STU | | | 000 | | 1 | 1 | 138 | 17 | 116 | -3 | 2 | | | | | DR | 2 | |
| 43 | TQ29100540 | STU | | | 000 | | 1 | 1 | 139 | 18 | 116 | -3 | 2 | | | | | DR | 2 | F MN 55 |
| | | | | | | | | | | | | | | | | | | | | |

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LIST OF BORINGS HEADERS 06/10/93 ADUR LP - LANCING

| SAMP | LE | ASPECT | | | | WET | NESS | -WH | EAT- | -PC | TS- | М. | REL | EROSN | FR | OST | CHEM | ALC | 1 |
|------|------------|--------|-------|--------|-----|-------|---------|-----|------|-------|-----|---------|-------|-------|-----|------|-------|-----|----------|
| NO. | GRID REF | USE | GRDNT | GLEY S | SPL | CLASS | GRADE | AP | MB | AP | MB | DRT | FL00D | E | EXP | DIST | LIMIT | | COMMENTS |
| 44 | T029200540 | PL0 | | 025 02 | 25 | 4 | 3B | 000 | 0 | 000 | 0 | | | | | | WE | 3B | SPL 25 |
| 45 | T029300540 | ARA | | 025 02 | 25 | 4 | 3B | 079 | -42 | 082 | -37 | 3B | | | | | WE | 3B | SPL |
| 46 | T029400540 | PLO | | 035 03 | 35 | 4 | 38 | 000 | 0 | 000 | 0 | | | | | | WE | 38 | SPL 35 |
| 47 | T029500540 | ARA | | 035 03 | 35 | 4 | 38 | 000 | 0 | 000 | 0 | | | | | | WE | 38 | SPI |
| 48 | T029600540 | ARA | | 025 02 | 25 | 4 | 3B | 000 | ō | 000 | Ō | | | | | | WF | 3B | SPL |
| | | | | | | • | | | - | | - | | | | | | 112 | 00 | |
| 49 | TQ29700540 | ARA | | 025 02 | 25 | 4 | 3B | 000 | 0 | 000 | 0 | | | | | | WE | 3B | SPL |
| 50 | TQ29000530 | STU | | 000 | | 1 | 1 | 141 | 20 | 117 | -2 | 2 | | | | | DR | 2 | |
| 51 | TQ29100530 | STU | | 000 | | 1 | 1 | 139 | 18 | 116 | 3 | 2 | | | | | DR | 2 | FEW MN |
| 52 | TQ29200530 | ARA | | 000 02 | 20 | 4 | 38 | 000 | 0 | 000 | 0 | | | | | | WE | 3B | DIST Q |
| 53 | TQ29300530 | ARA | | 025 02 | 25 | 4 | 38 | 000 | 0 | 000 | 0 | | | | | | WE | 38 | SPL |
| 54 | T029400530 | PGR | | 025 03 | 35 | 4 | 3B | 000 | 0 | 000 | 0 | | | | | | WE | 38 | SPI |
| 55 | T029500530 | PGR | | 025 02 | 25 | 4 | 3B | 000 | 0 | 000 | 0 | | | | | | WE | 38 | SPI |
| 56 | T029600530 | ARA | | 025 02 | 25 | 4 | 3B | 000 | 0 | 000 | 0 | | | | | | WE | 38 | SPI |
| 57 | T029700530 | ΔΡΔ | | 025 02 | 25 | م | 3B | 000 | ň | 000 | ň | | | | | | WE | 38 | 501 |
| 58 | T029000520 | STIL | | 000 | | 1 | 1 | 140 | 19 | 114 | -5 | 2 | | | | | | 2 | MAL ON |
| 50 | 1023000320 | 010 | | 000 | | • | • | 140 | 15 | 117 | Ŭ | - | | | | | UK | 2 | FIN 30 |
| 59 | TQ29100520 | STU | | 030 04 | 15 | 3 | 3A | 096 | -25 | 106 | -13 | 3B | | | | | WE | ЗA | SPL 45 |
| 60 | TQ29200520 | STU | | 028 04 | 10 | 4 | 3B | 098 | -23 | 103 | -16 | 3B | | | | | WE | 3B | SPL 40 |
| 61 | TQ29300520 | PL0 | | 040 04 | 10 | 4 | 3B | 000 | 0 | 000 | 0 | | | | | | WE | 3B | DEFSPL40 |
| 62 | TQ29400520 | ARA | | 025 02 | 25 | 4 | 3B | 000 | 0 | 000 | 0 | | | | | | WE | 3B | SPL |
| 63 | TQ29500520 | ARA | | 025 04 | 15 | 4 | 3B | 000 | 0 | 000 | 0 | | | | | | WE | 3B | SPL |
| 64 | T029600520 | PLO | | 028 02 | 28 | 4 | 38 | 000 | ٥ | 000 | 0 | | | | | | ωF | 38 | SPI 28 |
| 66 | T029000510 | STU | | 000 | | 1 | 1 | 139 | 18 | 116 | -3 | 2 | | | | | DR | 2 | |
| 67 | T029100510 | STIL | | 075 07 | 75 | 2 | 2 | 134 | 13 | 115 | _4 | 2 | | | | | DP | 2 | WEND |
| 68 | T029200510 | STU | | 030 03 | 20 | 4 | - 38 | 083 | -38 | 089 | _30 | - 38 | | | | | WE | 28 | 0 600 |
| 69 | T029300510 | STU | | 040 04 | 10 | 4 | 3B | 000 | 0 | 000 | õ | 00 | | | | | WE | 3B | SPL 40 |
| | | | | | | | | | | | | | | | | | | | |
| 70 | TQ29400510 | STU | | 035 03 | 35 | 4 | ЗB | 000 | 0 | 000 | 0 | | | | | | WE | 3B | SPL 35 |
| 72 | TQ29600510 | PLO | | 025 02 | 25 | 4 | 3B | 000 | 0 | 000 | 0 | | | | | | WE | 3B | SPL 25 |
| 73 | TQ29000500 | STU | | 000 | | 1 | 1 | 153 | 32 | 115 | -4 | 2 | | | | | DR | 2 | |
| 74 | TQ29100500 | STU | | 000 | | 1 | 1 | 139 | 18 | 115 | -4 | 2 | | | | | DR | 2 | |
| 75 | TQ29200500 | STU | | 000 | | 1 | 1 | 141 | 20 | 115 | -4 | 2 | | | | | DR | 2 | MNCONCS |
| 76 | T029300500 | STU | | 025 03 | 35 | 4 | 38 | 000 | 0 | 000 | 0 | | | | | | WF | 3B | SPI 35 |
| 77 | T029400500 | STU | | 028 06 | 55 | 3 | 38 | 000 | 0 | 000 | 0 | | | | | | WF | 38 | SPL 65 |
| 78 | T029500500 | PIO | | 025 03 | 34 | 4 | 3B | 000 | a | 000 | Ō | | | | | | WF | 3B | SPI 34 |
| 79 | T028900490 | STU | | 000 | | 1 | 1 | 132 | 11 | 116 | -3 | 2 | | | | | DR | 2 | |
| 80 | T029000490 | STU | | 000 | | 1 | 1 | 142 | 21 | 118 | -1 | 2 | | | | | DR | 2 | |
| | 1423000130 | 0.0 | | | | • | • | | | | | - | | | | | DA | - | |
| 81 | TQ29100490 | STU | | 000 | | 1 | 1 | 141 | 20 | 117 | -2 | 2 | | | | | DR | 2 | |
| 82 | TQ29200490 | STU | | 000 | | 1 | 1 | 137 | 16 | 118 | -1 | 2 | | | | | DR | 2 | |
| 83 | TQ29300490 | STU | | 025 03 | 35 | 4 | 3B | 000 | 0 | 000 | 0 | | | | | | WE | 3B | SPL 35 |
| 84 | TQ29400490 | STU | | 035 03 | 35 | 4 | 3B | 000 | 0 | 000 | 0 | | | | | | WE | 3B | |
| 85 | TQ29500490 | PLO | | 055 05 | 55 | 3 | 3B | 000 | 0 | 000 | 0 | | | | | | WE | 38 | DEFSPL55 |
| 86 | T029000480 | STU | | 060 | | 1 | 1 | 125 | 4 | 117 | -2 | 3A | | | | | DP | 2 | |
| 87 | T029100480 | STU | | 000 | | 1 | 1 | 145 | 24 | 118 | _1 | 2 | | | | | DR | 2 | JE GEGIV |
| ÷, | | | | | | • | | | | · · • | • | - | | | | | PIN - | - | |

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LIST OF BORINGS HEADERS 06/10/93 ADUR LP - LANCING

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| SAMP | Ή.E | A | SPECT | | | | WET | NESS | WI- | IEAT- | -PC |)TS- | м | 1. REL | EROSN | FRO | ST | CHEM | ALC | 1 |
|------|------------|-----|-------|-------|------|-------|-------|------------|-----|-------|-----|------|-----|--------|-------|-----|------|-------|-----|------------|
| NO. | GRID REF | USE | | GRDNT | GLEY | (SPL | CLASS | GRADE | AP | MB | AP | MB | DRT | FLOOD | E | XP | DIST | LIMIT | | COMMENTS |
| 88 | TQ29200480 | STU | | | 000 | | 1 | 1 | 129 | 8 | 118 | -1 | 2 | | | | | DR | 2 | |
| 89 | T029000470 | STU | | | 000 | | 1 | 1 | 130 | 9 | 114 | -5 | 2 | | | | | DR | 2 | |
| 90 | TQ29100470 | STU | | | 000 | | 1 | 1 | 131 | 10 | 115 | -4 | 2 | | | | | DR | 2 | |
| 91 | T030100490 | PGR | s | | 065 | | 1 | 1 | 139 | 18 | 112 | -7 | 2 | | | | | DR | 2 | |
| 92 | TQ29700480 | PGR | | | 025 | 025 | 4 | 3B | 000 | 0 | 000 | 0 | | | | | | WE | 3B | SPL35-50 |
| 93 | TQ29800480 | PGR | | | 028 | 058 | 3 | 3B | 112 | -9 | 116 | -3 | 3A | | | | | WE | 3B | SPL 58 |
| 94 | TQ29900480 | PGR | | | 036 | 095 | 2 | 3A | 156 | 35 | 121 | 2 | 2 | | | | | WE | 3A | SPL 95 |
| 95 | TQ30000480 | PGR | S | | 030 | | 2 | 2 | 138 | 17 | 100 | -19 | 3A | | | | | DR | 3A | |
| 96 | TQ30100480 | PGR | S | | 028 | 050 | 3 | 3A | 141 | 20 | 117 | -2 | 2 | | | | | WE | 3A | |
| 97 | TQ30200480 | PGR | S | | 030 | | 2 | 2 | 105 | -16 | 109 | -10 | 3A | | | | | DR | 3A | IMP 80 |
| 98 | TQ30300480 | PGR | s | | 032 | | 2 | 3B | 167 | 46 | 116 | -3 | 2 | | | | | WE | 3B | |
| 100 | TQ29600470 | PGR | | | 018 | 065 | 3 | 3B | 000 | 0 | 000 | 0 | | | | | | WE | 3B | SPL 65 |
| 102 | TQ30000470 | PGR | | | 035 | 035 | 4 | 38 | 147 | 26 | 115 | -4 | 2 | | | | | WE | 38 | SPL 35CM |
| 103 | TQ30100470 | PGR | | | 028 | | 2 | 3B | 000 | 0 | 000 | 0 | | | | | | WE | 3B | IMP 40 |
| 104 | TQ30200470 | PGR | | | 029 | | 2 | 3 B | 150 | 29 | 114 | -5 | 2 | | | | | WE | 3B | |
| 105 | TQ30300470 | PGR | | | 028 | 045 | 3 | 3B | 000 | 0 | 000 | D | | | | | | WE | 3B | SPL 45 |
| 106 | TQ29400460 | PGR | | | 025 | 025 | 4 | 3B | 000 | 0 | 000 | 0 | | | | | | WE | 3B | |
| 107 | TQ29500460 | PGR | | | 026 | | 2 | 38 | 171 | 50 | 116 | -3 | 2 | | | | | WE | 3B | NO SPL |
| 109 | TQ29700460 | PGR | | | 034 | | 2 | 3B | 162 | 41 | 118 | -1 | 2 | | | | | WE | 3B | NO SPL |
| 110 | TQ30100460 | PGR | | | 028 | 028 | 4 | 3B | 083 | -38 | 089 | -30 | 3B | | | | | WE | 3B | SPL 28 |
| 111 | TQ30200460 | PGR | | | 038 | 038 | 4 | 3B | 000 | 0 | 000 | 0 | | | | | | WE | 3B | SPL 38CM |
| 112 | TQ30300460 | PGR | | | 030 | | 1 | 3A | 167 | 46 | 109 | -10 | 2 | | | | | WE | 3A | BDR WC2 38 |
| 113 | TQ29400450 | | | | 027 | 037 | 4 | 3B | 000 | 0 | 000 | 0 | | | | | | WE | 3B | SPL 37 |
| 115 | TQ29600450 | CER | | | 055 | 055 | 3 | 3B | 105 | -16 | 111 | -8 | 3A | | | | | WE | 3B | SPL 55 |
| 117 | TQ30200450 | PGR | | | 034 | 034 | 4 | 3B | 163 | 42 | 112 | -7 | 2 | | | | | WE. | 3B | |
| 118 | TQ30300450 | PGR | | | 037 | 037 | 4 | 3B | 082 | -39 | 085 | -34 | 3B | | | | | WE | 3B | SPL |
| 119 | TQ30500450 | PGR | | | 025 | 025 | 4 | 38 | 075 | -46 | 075 | 44 | 38 | | | | | WE | 3B | SPL 28CM |
| 121 | TQ29300440 | PGR | | | 020 | 020 | 4 | 38 | 089 | -32 | 101 | -18 | ЗВ | | | | | WE | 3B | SPL 25 |
| 122 | TQ29400440 | PGR | | | 018 | 018 | 4 | 38 | 086 | -35 | 098 | -21 | 3B | | | | | WE | 3B | SPL 20 |
| 123 | TQ29500440 | PGR | | | 000 | 030 | 4 | 3B | 000 | 0 | 000 | 0 | | | | | | WE | 3B | SPL30-50 |
| 124 | TQ29100430 | PGR | | | 035 | 035 | 4 | 3B | 078 | -43 | 078 | -41 | 3B | | | | | WE | 3B | SPL 35 |
| 125 | TQ29200430 | PGR | | | 026 | 037 | 4 | 3B | 091 | -30 | 097 | -22 | 3B | | | | | WE | 3B | SPL 37 |
| 127 | TQ29400430 | PGR | | | 028 | | 2 | 3B | 165 | 44 | 112 | -7 | 2 | | | | | WE | 3B | |

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COMPLETE LIST OF PROFILES 06/10/93 ADUR LP - LANCING

| | | | | | MOT | TLES | | PED | | <u></u> - | S | TONES | | STRUCT | 1 | SUB | S | | | |
|--------|-----------------|-----------|-----------|--------|--------|------|------|-------|------|-----------|--------|-------------|----------|--------|----|------------|-----|-------|-----|--------|
| SAMPLE | DEPTH | TEXTURE | COLOUR | COI | AB | UN | CONT | COL. | GLEY | >2 | >6 | LITH | тот | CONSIS | т | STR | POR | IMP S | SPL | CALC |
| 1 | 0-30 | h1 | 10VP53 6 | 2 | | | | | | n | n | цD | 10 | | | | | | | v |
| 1 | 0-30 | 1201 | 000000 0 | 5 0 | | | | | | 0 | ~ | | 10 | | | | | | | ř |
| | 30-70 | ch | OOCHOO O | U | | | | | | U | Q | HR | 3 | | | М | | | | Ŷ |
| 1P | 0-25 | с | 10YR42 0 | 0 | | | | | | 0 | 0 | | 0 | | | | | | | |
| | 25-55 | c | 25Y 62 0 | 0 10Y | 856 00 | 0 M | - | 0YR52 | 00 Y | 0 | 0 | | 0 | MCP | FM | I P | Y | | Y | |
| 2 | 0_29 | mel | 10VP52 5 | 2 | | | | | | n | 0 | Цр | 5 | | | | | | | v |
| 2 | 20 33 | hmol | 10VD74 6 | 4 | | | | | | 0 | 0 | <u></u> | 00 | | | м | | | | v |
| | 23-33 | nze i | | + | | | | | | 0 | ~ | | 200 | | | м | | | | T V |
| | 33-73 | Cri | | U | | | | | | U | Ŭ | пк | 3 | | | m | | | | Y |
| 2P | 0-28 | hzc1 | 10YR53 6 | 3 | | | | | | 0 | 0 | HR | 10 | | | | | | | Y |
| | 28-75 | ch | 00CH00 0 | 0 | | | | | | ٥ | 0 | HR | 3 | | | м | | | | Ŷ |
| | | | | | | | | | | ÷ | | | - | | | | | | | • |
| 3 | 0-25 | hzc1 | 10YR53 6 | 3 | | | | | | 0 | 0 | HR | 3 | | | | | | | Y |
| | 25-30 | hzc1 | 10YR64 74 | 4 | | | | | | 0 | 0 | CH | 50 | | | Μ | | | | Y |
| | 30-70 | ch | 00CH00 0 | 0 | | | | | | 0 | 0 | HR | 3 | | | Μ | | | | Y |
| ЗÞ | 0-28 | bo] | 10VR43 0 | n | | | | | | n | 0 | HR | 3 | | | | | | | v |
| J | 29_65 | | 10/0/3 5 | 1 | | | | | | ň | ň | | 20 | LICCAR | ED | м | v | | | v |
| | 20-0J 65 105 | с ећ | 10/092 0 | + | | | | | | ~ | ~ | | 20 | MUSHD | FK | м | 1 | | | 1 V |
| | 03-105 | Ch | TUTKOZ U | J | | | | | | U | v | n ik | 5 | | | F 1 | | | | Y |
| 4 | 0-26 | hc] | 10YR42 0 | 0 | | | | | | 0 | 0 | HR | 2 | | | | | | | Ŷ |
| | 26-60 | с | 10YR54 4 | 4 | | | | | | 0 | 0 | HR | 2 | | | м | | | | Y |
| | 60-78 | hc1 | 10YR54 4 | 4 | | | c | OMNOO | 00 | 0 | 0 | HR | 2 | | | М | | | | γ |
| | 78-120 | с | 10YR54 4 | 4 0000 | 00 00 |) F | | | | 0 | 0 | HR | 2 | | | м | | | | Ŷ |
| | | | | | | | | | | | | | | | | | | | | |
| 4P | 029 | hcl | 10YR42 4 | 3 | | | | | | 0 | 0 | HR | 7 | | | | | | | Y |
| | 29-52 | с | 10YR44 0 | כ | | | | | | 0 | 0 | HR | 10 | MCSAB | F | М | Y | | | Y |
| | 52-60 | c | 10YR54 0 | 5 | | | | | | 0 | 0 | CH | 20 | MCSAB | FR | Μ | | | | Y |
| | 60-120 | hzcl | 10YR86 00 |) | | | | | | 0 | 0 | CH | 50 | WCSAB | VF | M | | | | Y |
| 5 | 0-28 | hc] | 10YR53 54 | 1 | | | | | | 0 | 0 | HR | 10 | | | | | | | Y |
| - | 28-33 | hcl | 10YR54 00 |) | | | | | | 0 | 0 | СН | 95 | | | м | | | | Ŷ |
| | 33-70 | ch | 00CH00 00 | 5 | | | | | | 0 | 0 | HR | 3 | | | M | | | | • |
| | | | | _ | | | | | | _ | _ | | - | | | | | | | |
| 5P | 0-24 | ZC | 10YR42 5 | 3 | | | | • | | 0 | 0 | | 0 | | | | | | | Y |
| | 24-34 | с | 10YR53 54 | 1 75YF | 56 00 |) F | | | | 0 | 0 | | 0 | MCAB | F | M | | | | Y |
| | 34-57 | с | 25Y 62 00 |) 75YF | 56 00 | М | 2 | 5Y 62 | 00 Y | 0 | 0 | | 0 | MCAB | F | Ρ | Y | | Y | Y |
| | 57-75 | с | 25Y 52 00 |) 75YR | :56 00 | M | 2 | 5Y 62 | 63 Y | 0 | 0 | | 0 | MCP | F | Ρ | Y | | Y | Y |
| 6 | 0-28 | hcl | 10YR53 54 | 1 | | | | | | 0 | 0 | HR | 5 | | | | | | | Y |
| | 28-42 | hc1 | 10YR54 00 |) | | | | | | 0 | 0 | СН | 90 | | | М | | | | Y |
| | 42-75 | ch | 00CH00 00 |) | | | | | | 0 | 0 | HR | 3 | | | м | | | | Ŷ |
| | 75–76 | ch | 00CH00 00 |) | | | | | | 0 | 0 | HR | 3 | | | M | | | | |
| 7 | 0 | ho] | 100052 54 | | | | | | | n | ^ | UD | 2 | | | | | | | v |
| , | 20_50 | 0 | 101K03 04 | T N | | | | | | ñ | n n | | 50 | | | м | | | | r V |
| | 20-00 | C hacl | 101634 00 | 1 | | | | | | ~ | 0 | | 30 75 | | | M | | | | T V |
| | JU-72 72_00 | hzel | 1016/4 04 | r 1 | | | | | | 5 | n N | Ch CH | 73 E | | | m M | | | | т V |
| | 88-120 | hzc] | 10VR74 6/ | , I | | | | | | n | n | Сн | 80 | | | M | | | | v |
| | | 110 541 | | | | | | | | N | | | | | | | | | | |

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| | | | | | MOTTLES | S | PED | | 8 | TONES | } | STRUCT/ | SUBS | | | |
|--------|--------|---------|-----------|-------|---------|------|------|---------|----|-------|-------|---------|---------|---------|---------|----|
| SAMPLE | DEPTH | TEXTURE | COLOUR | COL | ABUN | CONT | COL. | GLEY >2 | >6 | LITH | i tot | CONSIST | STR POR | ≀ IMP : | SPL CAI | LC |
| 8 | 0-25 | hzcl | 10YR53 00 | | | | | 0 | 0 | HR | 12 | | | | Ŷ | |
| | 25-45 | с | 10YR54 64 | | | | | 0 | 0 | CH | 5 | | Μ | | Ŷ | |
| | 45-85 | ch | 00CH00 00 | | | | | 0 | 0 | HR | 3 | | м | | Ŷ | |
| 9 | 0-29 | hcl | 10YR53 00 | | | | | 0 | 0 | HR | 6 | | | | Ŷ | |
| | 29-90 | zĊ | 10YR53 54 | | | | | 0 | 0 | CH | 15 | | м | | Y | |
| | 90–120 | zc | 10YR53 54 | | | | | 0 | 0 | СН | 20 | | М | | Ŷ | |
| 10 | 0-30 | hc] | 10YR42 00 | | | | | 0 | 0 | HR | 2 | | | | Y | |
| | 30-55 | с | 10YR54 64 | | | | | 0 | 0 | СН | 6 | | M | | Y | |
| | 55-70 | zc | 10YR66 00 | | | | | 0 | 0 | CH | 35 | | Μ | | Y | |
| 12 | 0-27 | hc1 | 10YR42 00 | | | | | 0 | 0 | HR | 6 | | | | Y | |
| | 27-54 | с | 75YR46 00 | | | | | 0 | 0 | HR | 5 | | М | | Ŷ | |
| | 54-75 | с | 10YR66 00 | | | | | 0 | 0 | СН | 50 | | м | | Ŷ | |
| | 75-120 | с | 10YR66 00 | | | | | 0 | 0 | CH | 60 | | М | | Y | |
| 13 | 0-27 | hc] | 10YR43 00 | | | | | 0 | 0 | HR | 5 | | | | Y | |
| | 27-35 | c | 10YR54 00 | | | | | 0 | 0 | HR | 3 | | м | | Ŷ | |
| | 35-75 | ch | 00CH00 00 | | | | | 0 | 0 | HR | 3 | | M | | Y | |
| 14 | 0-28 | hc] | 10YR43 00 | | | | | 0 | 0 | HR | 5 | | | | Y. | |
| | 28-50 | hzc1 | 10YR74 00 | | | | | 0 | 0 | CH | 50 | | Μ | | Y | |
| 15 | 0–27 | hc] | 10YR43 00 | | | | | 0 | 0 | HR | 3 | | | | Y | |
| | 2770 | c | 10YR54 44 | | | | | 0 | 0 | CH | 15 | | М | | Y | |
| | 70-80 | hzc1 | 10YR74 00 | | | | | 0 | 0 | СН | 50 | | M | | Y | |
| | 80-120 | ch | 00CH00 00 | | | | | 0 | 0 | HR | 3 | | M | | Y | |
| 16 | 0-29 | hc1 | 10YR42 43 | | | | | 0 | 0 | HR | 5 | | | | Ŷ | |
| | 29-52 | C | 10YR44 00 | | | | | 0 | 0 | HR | 3 | | М | | Ŷ | |
| | 5260 | с | 10YR54 00 | | | | | 0 | 0 | CH | 20 | | М | | Y | |
| | 60-120 | hzc] | 10YR86 00 | | | | | 0 | 0 | СН | 50 | | М | | Ŷ | |
| 17 | 0-35 | hc1 | 10YR42 00 | | | | | 0 | 0 | HR | 6 | | | | Ŷ | |
| | 35–120 | c | 10YR44 54 | 00000 | 00 F | | | 0 | 0 | HR | 6 | | M | | | |
| 18 | 030 | hc1 | 10YR42 00 | | | | | 0 | 0 | HR | 8 | | | | Ŷ | |
| | 30-50 | с | 10YR44 54 | | | | | 0 | 0 | HR | 10 | | M | | γ | |
| | 50~70 | hc1 | 10YR44 54 | | | | | 0 | 0 | HR | 10 | | м | | Ŷ | |
| 19 | 0-32 | hc1 | 10YR42 32 | | | | | 0 | 0 | HR | 8 | | | | | |
| | 32-75 | с | 10YR44 54 | | | | | 0 | 0 | HR | 10 | | м | | | |
| | 75–120 | c | 10YR66 00 | | | | | 0 | 0 | СН | 25 | | Μ | | Y | |
| 20 | 0-28 | hc1 | 10yr42 32 | | | | | 0 | 0 | HR | 3 | | | | Ŷ | |
| | 28-60 | с | 10YR56 00 | | | | | 0 | 0 | HR | 5 | | м | | | |

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| | | | | | MOTTLES | 5 | PED | | | | ST | ONES | STRUCT/ | SUB | s | | | |
|--------|--------|---------|-----------|--------|---------|------|----------------|----|-----|----|-----|----------|---------|----------------|-----|-----|-----|------|
| SAMPLE | DEPTH | TEXTURE | COLOUR | COL | ABUN | CONT | COL. | G | LEY | >2 | >6 | LITH TOT | CONSIST | STR | POR | IMP | SPL | CALC |
| 23 | 0-29 | с | 10YR42 00 | | | | | | | 0 | 0 | D | | | | | | |
| | 29-50 | с | 10YR53 00 | 75YR5(| 500C | | | | Y | 0 | 0 | 0 | | Ρ | | | Y | |
| 24 | 0-28 | hc1 | 10YR42 00 | | | | | | | 0 | 0 | 0 | | | | | | |
| | 28-60 | с | 10YR53 54 | 75YR50 | 5 00 C | | | | Y | 0 | 0 | 0 | | Ρ | | | Y | |
| 26 | 0-28 | hc1 | 10YR42 00 | | | | | | | 0 | 0 | 0 | | | | | | |
| | 28-60 | c | 10YR53 00 | 75YR50 | 500C | | | | Y | 0 | 0 | 0 | | Ρ | | | Y | |
| 28 | 0-28 | с | 10YR42 00 | | | | | | | 0 | 0 | 0 | | | | | | |
| | 28-60 | С | 10YR53 00 | 75YR56 | 5 00 C | | | | Ŷ | 0 | 0 | 0 | | Р | | | Y | |
| 30 | 0-22 | с | 10YR42 00 | | | | | | | 0 | 0 | 0 | | | | | | |
| | 22-120 | с | 05 Y71 00 | 75YR40 | 5 00 M | | | | Y | 0 | 0 | 0 | | М | | | Y | |
| 31 | 0-20 | hc1 | 10YR42 00 | | | | | | | 0 | 0 | 0 | | | | | | |
| | 20-30 | c | 10YR54 00 | 75YR56 | 5 00 F | | | | | 0 | 0 | 0 | | Μ | | | | |
| | 30-120 | C | 10YR53 00 | 75YR56 | 5 00 M | 1 | 0 YR7 1 | 00 | Y | 0 | 0 | 0 | | м | | | Y | |
| 32 | 0-25 | hc1 | 10YR42 00 | | | | | | | 0 | 0 | 0 | | | | | | |
| | 25-55 | с | 25Y 52 00 | 000000 | 00 M | | | | Y | 0 | 0 | 0 | | P _. | Y | | Y | |
| 33 | 0-25 | с | 10YR42 00 | | | | | | | 0 | 0 6 | ir 2 | | | | | | |
| | 25-32 | с | 10YR53 00 | 75YR56 | 5 00 C | | | | Y | 0 | 0 | 0 | | Ρ | | | | |
| | 32-60 | c | 25Y 63 00 | 75YR56 | 558 M | | | | Y | 0 | 0 | 0 | | Р | | | Y | |
| 34 | 0-22 | с | 10YR42 00 | | | | | | | 0 | 0 | 0 | | | | | | |
| | 22-55 | c | 25Y 62 00 | 000000 | 00 M | | | | Y | 0 | 0 | 0 | | Р | Y | | Y | |
| 35 | 0-20 | с | 10YR42 00 | | | | | | | 0 | 0 | 0 | | | | | | |
| | 20-55 | c | 25Y 62 00 | 000000 | 00 C | | | | Y | 0 | 0 | 0 | | Ρ | Y | | Y | |
| 36 | 0-25 | hc1 | 10YR32 00 | | | | | | | 0 | 0 1 | łR 5 | | | | | | Ŷ |
| | 25-50 | c | 10YR53 00 | 75YR56 | 5 00 C | 1 | 0YR61 | 00 | Y | 0 | 0 1 | ir 2 | | М | | | Y | Y |
| | 50-120 | с | 05 Y71 00 | 75YR56 | 5 00 M | | | | Y | 0 | 0 | 0 | | м | | | Y | Ŷ |
| 37 | 0-23 | с | 10YR32 00 | | | | | | | 0 | 0 | 0 | | | | | | Y |
| | 23-120 | с | 10YR52 00 | 75YR56 | 58 M | 1 | 0YR71 | 00 | Y | 0 | 0 | 0 | | М | | | Y | Ŷ |
| 38 | 0-25 | hc1 | 10YR32 00 | | | | | | | 0 | 0 | . 0 | | | | | | |
| | 25-60 | С | 25Y 63 00 | 000000 | M 00 M | | | | Y | 0 | 0 | 0 | | Ρ | Y | | Y | |
| 39 | 0-25 | с | 10YR42 00 | | | | | | | 0 | 0 1 | IR 2. | | | | | | |
| | 25-30 | с | 10YR53 00 | 75YR56 | 5 00 C | | | | Y | 0 | 0 H | (r 2 | | м | | | | |
| | 30-60 | c | 25Y 63 00 | 75YR56 | 58 M | | | | Y | 0 | 0 F | ir 2 | | Ρ | | | Y | |
| 40 | 0-28 | с | 10YR32 00 | | | | | | | 0 | 0 | 0 | | | | | | |
| | 28-55 | с | 25Y 62 00 | 000000 | 00 M | | | | Y | 0 | 0 | 0 | | Ρ | Y | | Y | |

SAMPLE DEPTH TEXTURE

41 0-25 c 25-55 c

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| COLOUR | M COL | IOTTLES- ABUN | CONT | PED COL. | GLEY | >2 | -STONES- >6 LITH | тот | STRUCT/ CONSIST | SUBS Str | Por | IMP : | SPL | CALC |
|------------------------|----------|------------------|------|-------------|------|--------|---------------------|--------|--------------------|-------------|-----|-------|-----|------|
| 10YR42 00 25Y 62 00 | 000000 | 00 M | | | Y | 0 0 | 0 0 | 0 0 | | Ρ | Y | | ¥ | |

| 42 | 0-35 | mcl | 10YR42 (| 00 | | | | 0 | 0 | HR | 3 | | | | |
|-----|---------------|--------------|-----------|---------------|--------|----------|------|---|----------|---------------|----------|-----|---|---|---|
| | 35-45 | hc1 | 10YR54 | 56 | | | | 0 | 0 | HR | 3 | м | | | |
| | 45-95 | с | 10YR54 | 56 | | | | 0 | ñ | HR | 2 | м | | | |
| | 95-120 | с | 10YR54 (| 00 | | | | ň | Ň | цр | 10 | 11 | | | |
| | | | | | | | | Ŭ | Ŭ | ri n , | 10 | I.I | | | Ŷ |
| 43 | 0-27 | m c 1 | 100042 (| າດ | | | | ~ | ~ | | • | | | | |
| | 27_55 | 0 | 101R42 0 | 50 | | | | 0 | U | HR | 2 | | | | |
| | EE 120 | C - | 101634 : | 50 | | | | 0 | 0 | HR | 1 | М | | | |
| | 55-120 | C | 101854 : | 00 | | | | 0 | 0 | HR | 2 | М | | | |
| 44 | 0.05 | | | | | | | | | | | | | | |
| 44 | 0-25 | с | IUYR42 (| JU | | | | 0 | 0 | HR | 2 | | | | |
| | 25-42 | с | 10YR53 (| 00 75YR56 | 5 00 M | 00MN00 (| 90 Y | 0 | 0 | HR | 2 | Ρ | | Y | |
| | 42-50 | hc i | 10YR53 C | 00 75YR56 | 5 00 C | COMNOO (|)0 Y | 0 | 0 | HR | 5 | Ρ | | Y | |
| | | | | | | | | | | | | | | | |
| 45 | 0-25 | с | 10YR42 C | 0 | | | | 0 | 0 | | 0 | | | | |
| | 25-55 | С | 25Y 52 C | 000000 |) 00 M | | Y | 0 | 0 | | 0 | Ρ | Y | Ŷ | |
| | | | | | | | | | | | | | | | |
| 46 | 0-35 | hc1 | 10YR42_0 | 0 | | | | 0 | 0 | HR | 2 | | | | |
| | 35-60 | с | 05Y 62 0 | 0 75YR56 | 5 00 M | | Y | 0 | 0 | HR | 2 | Р | | Ŷ | |
| | | | | | | | | | | | | - | | , | |
| 47 | 0-35 | hc1 | 10YR32 0 | ю | | | | 0 | 0 | | 0 | | | | |
| | 35-60 | с | 25Y 63 0 | 0 000000 | 00 M | | Y | 0 | 0 | | 0 | Р | v | v | |
| | | | | | | | | | - | | - | • | • | | |
| 48 | 0-25 | с | 10YR32 0 | 0 | | | | D | 0 | | 0 | | | | |
| | 25-60 | с | 25Y 63 0 | 0 000000 | 00 M | | Y | 0 | ñ | | ñ | D | v | v | |
| | | | | | | | • | Ť | Ŭ | | v | F | , | T | |
| 49 | 0-25 | с | 10YR42 0 | 0 | | | | n | n | | 0 | | | | |
| | 25-55 | с | 25Y 62 0 | - 0 000000 | 00 м | | v | ñ | ň | | õ | • | v | | |
| | | | 2 | • ••••••• | 00 11 | | • | Ŭ | v | | U | ٢ | Y | Ŷ | |
| 50 | 0-35 | mc1 | 107842 0 | 0 | | | | 0 | <u> </u> | цŋ | ^ | | | | |
| | 35-53 | hc] | 107854 0 | °. | | | | 0 | 0 | | 2 | | | | |
| | 53-100 | c | 757054 6 | 6 | | | | 0 | 0 | | 2 | M | | | |
| | 100_120 | с с | 757054 5 | 6 6 | | 0044100 | • | 0 | 01 | HK | 2 | M | | | |
| | 100-120 | C | | 0 | | UUMNUU U | J | U | UI | нк | 2 | Μ | | | |
| 51 | 0_30 | m c1 | 100042 0 | 0 | | | | ~ | | | _ | | | | |
| | 30_45 | he l | 107842 0 | 0 n | | | | 0 | 01 | HR | 2 | | | | |
| | 45_120 | | 101834 0 | 0 c | | | | 0 | 01 | -11 | 2 | М | | | |
| | 43-120 | C | 101654 5 | 0 | | | | 0 | 01 | HR | 2 | М | | | |
| 52 | 0.20 | _ | | | | | | | | | | | | | |
| ŞΖ | 0~20 20 FF | c | 254 52 00 | | 00 M | | Ŷ | 0 | 0 | | 0 | | | | |
| | 20-55 | С | 254 52 00 | 000000 | 00 M | | Ŷ | 0 | 0 | | 0 | Ρ | Y | Y | |
| F.0 | A A- | | | _ | | | | | | | | | | | |
| 53 | 0-25 | с | 10YR42 00 |) | | | | 0 | 0 | | 0 | | | | |
| | 25-55 | c | 25Y 62 00 | 000000 | 00 M | | Y | 0 | 0 | | 0 | Ρ | Y | Ŷ | |
| _ | _ | | | | | | | | | | | | | | |
| 54 | 0-25 | с | 10YR42 00 |) | | | | 0 | 0 | | 0 | | | | |
| | 25-35 | с | 10YR52 00 | 000000 | 00 M | | Y | 0 | 0 | | 0 | Ρ | Y | | |
| | 35-55 | С | 25Y 63 00 | 000000 | 00 M | | Y | 0 | 0 | | 0 | ρ | Y | Y | |
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|--------|----------------|--------------|-----------|--------|---------------|--------|--------|-----|-----|--------|--------|-----------|-----|---------|---------|-----|-----|--------|------|
| SAMPLE | DEPTH | TEXTURE | COLOUR | COL | ABUN | CONT | COL. | G | LEY | >2 | >6 | LITH | тот | CONSIST | STR | POR | IMP | SPL | CALC |
| | | | | | | | | | | | | | | | | | | | |
| 55 | 0-25 | c | 10YR32 00 | | | | | | | 0 | 0 | | 0 | | | | | | |
| | 25-55 | с | 25Y 63 00 | 000000 | 00 M | | | | Υ | 0 | 0 | | 0 | | Р | Y | | Y | |
| | | | | | | | | | | | | | | | | | | | |
| 56 | 0-25 | hc1 | 10YR32 00 | | | | | | | 0 | 0 | | 0 | | | | | | |
| | 25-60 | с | 25Y 63 00 | 000000 | 00 M | | | | Y | 0 | 0 | | 0 | | Ρ | Y | | Y | |
| | | | | | | | | | | | | | | | | | | | |
| 57 | 0-25 | hàl | 10YR42 00 | | | | | | | 0 | 0 | | 0 | | | | | | |
| | 25-60 | с | 25Y 62 00 | 000000 | M 00 M | | | | Y | 0 | 0 | | 0 | | P | Y | | Y | |
| | 00-05 | с | 254 62 00 | UUUCUU | UUM | | | | Ŷ | Q | 0 | | D | | Р | Ŷ | | Y | |
| 50 | 0 20 | 1 | 100042.00 | | | | | | | ~ | ~ | | - | | | | | | |
| 28 | 20 40 | mci mal | 101842 00 | | | | | | | 0 | 0 | HR | 5 | | | | | | |
| | JU-40 AR_65 | inci bol | 7EVDEA 00 | | | | | | | 0 | 0 | HK | 3 | | M | | | | |
| | 40-00 | | 10VD54 56 | | | ~ | OMMOO | 00 | | 0 | 0 | | 2 | | M | | | | |
| | 00-120 | C | 101834 30 | | | L. | UPRIOU | 00 | | U | U | Πĸ | 3 | | 19 | | | | |
| 59 | 0-30 | mcl | 10VR42 00 | | | | | | | 0 | Λ | пр | 2 | | | | | | |
| 00 | 30-45 | mc] | 10YR53 64 | 75YR56 | 00 C | | | | v | ñ | ñ | HR | 2 | | м | | | | |
| | 45-70 | hc1 | 10YR53 00 | 75YR56 | 00 C | 0 | OMNOO | 00 | Ý | õ | õ | HR | 2 | | P | | | v | |
| | | | | | | - | | • - | | - | - | | - | | • | | | • | |
| 60 | 0-28 | hcl | 10YR42 00 | | | | | | | 0 | 0 | | 0 | | | | | | |
| | 28-40 | с | 10YR53 00 | 75YR56 | 00 C | | | | Y | 0 | 0 | HR | 2 | | Ρ | | | | |
| • | 40-80 | с | 10YR53 00 | 75YR56 | 00 C | 0 | iomnoo | 00 | Y | 0 | 0 | HR | 5 | | P | | | Ŷ | |
| | | | | | | | | | | | | | | | | | | | |
| 61 | 0-26 | с | 10YR42 00 | | | | | | | 0 | 0 | HR | 2 | | | | | | |
| | 26-40 | с | 25Y 53 64 | 10YR56 | 00 F | | | | | 0 | 0 | • | 0 | | Μ | | | | |
| | 40-60 | С | 25Y 63 00 | 75YR56 | 00 C | 0 | OMN00 | 00 | Y | 0 | 0 | HR | 2 | | Ρ | | | Y | |
| | | | | | | | | | | _ | | | _ | | | | | | |
| 62 | 0-25 | hcl | 10YR42 00 | | | | | | | 0 | 0 | | 0 | | _ | | | | |
| | 25-55 | С | 257 64 00 | 000000 | 00 M | | | | Ŷ | 0 | 0 | | 0 | | Ρ | Ŷ | | Y | |
| 63 | 0_25 | hel | 107842 00 | | | | | | | • | • | | • | | | | | | |
| 05 | 25-45 | hel | 107842 00 | 000000 | 00 M | | | | v | 0 | 0 | | 0 | | м | | | | |
| | 45-70 | с. С | 257 62 00 | 000000 | | | | | v. | n | ñ | | n | | ri D | v | | v | |
| | | C | | 000000 | 00 11 | | | | 4 | v | Ŭ | | v | | r | 1 | | 1 | |
| 64 | 0~25 | с | 10YR42 00 | | | | | | | 0 | 0 | | 0 | | | | | | |
| | 25-28 | с | 10YR53 54 | 75YR56 | 00 F | | | | | 0 | 0 | | 0 | | м | | | | |
| | 28-60 | с | 25Y 63 00 | 75YR56 | 00 M | | | | Y | 0 | 0 | | 0 | | Р | | | Y | |
| | | | | | | | | | | | | | | | | | | | |
| 66 | 0-30 | mcl | 10YR42 00 | | | | | | | 0 | 0 | HR | 2 | | | | | | |
| | 30-35 | hc1 | 10YR54 56 | | | | | | | 0 | 0 | HR | 2 | | М | | | | |
| | 35-120 | с | 75YR54 00 | | | | | | | 0 | 0 | HR | 2 | | М | | | | |
| | | | | | | | | | | | | | | | | | | | |
| 67 | 0-30 | mcl | 10YR42 00 | | | | | | | Û | 0 | HR | 3 | | | | | | |
| | 30-45 | hc1 | 75YR54 56 | | | 0 | omnoo | 00 | | 0 | 0 | HR | 2 | | Μ | | | | |
| | 45-75 | c | 75YR54 56 | | | 0 | OMNOO | 00 | | 0 | 0 | HR | 2 | | М | | | | |
| | 75–120 | c | 75YR54 00 | 75YR56 | 00 C | 1 | OYR53 | 64 | Y | 0 | 0 | HR | 2 | | Ρ | | | Y | |
| 60 | 0.05 | h =] | 100040 00 | | | | | | | ~ | ~ | 115 | ~ | | | | | | |
| 68 | 0-20 25_20 | n c 1 | 107K42 00 | | 00 F | • | OMNOO | 00 | | 0 | 0 | HK LID | 2 | | м | | | | |
| | 30-45 | bel | 107053 00 | 757056 | 00 F | U n | OMNOO | 00 | v | 0 n | 0 n | HR HD | 2 | | M D | | | v | |
| | 45-60 | c | 10YR53 00 | 757856 | | n | | 00 | Ŷ | ñ | n | HR | 2 | | r P | | | r V | |
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---- MOTTLES----- PED ----STONES---- STRUCT/ SUBS SAMPLE DEPTH TEXTURE COLOUR COL ABUN CONT COL. GLEY >2 >6 LITH TOT CONSIST STR POR IMP SPL CALC 69 0-28 10YR42 00 c 0 0 Ω 28-40 25Y 63 64 75YR56 00 F С 0 0 0 М 40-70 25Y 62 00 75YR56 00 M 00MN00 00 Y С 0 0 0 Ρ Y 70 0-27 10YR42 00 0 0 HR c 2 27-35 10YR54 53 75YR56 00 F С 0 0 0 М 35-60 25Y 63 00 75YR56 00 M С Y 0 0 0 Ρ Y 72 0-25 с 10YR42 00 0 0 0 25-30 25Y 63 00 75YR56 00 M с Y 0 0 р 0 ٧ 30-40 25Y 63 00 75YR56 00 M hcl 00MN00 00 Y 0 0 0 Ρ γ 40-60 25Y 62 63 75YR56 00 M с Υ 0 0 HR 2 Ρ 73 0~28 നവി 10YR42 00 0 0 HR 3 28-75 10YR43 00 hc] 0 0 HR 2 М 75-120 hc1 10YR54 00 00MN00 00 0 0 HR 1 М 74 0-28 mc] 10YR42 00 0 0 HR 2 28-45 hc1 10YR43 54 0 0 HR 2 Μ 45-120 c 10YR54 00 Ð 0 HR 2 М 75 0-25 10YR43 00 mc1 O O HR 2 25-65 10YR54 00 hc1 000000 00 0 0 HR 2 М 65-120 c 10YR54 00 00MN00 00 0 0 HR 2 М 76 0-25 10YR42 00 0 0 С 0 25-35 10YR53 54 75YR56 00 F Y 0 0 с 0 М 35-60 25Y 63 00 75YR56 00 M 0 0 С Y Ρ 0 Y 77 0-28 10YR42 00 0 0 с 0 28-45 25Y 63 00 75YR56 00 C с Υ 0 0 Ω Ρ 45-65 25Y 62 00 75YR56 00 C 0 0 mc] Y Ω М 65-80 25Y 62 00 75YR56 00 M С 0 0 0 Ρ Y Y 78 0-25 10YR42 00 0 0 с ۵ 25-34 10YR53 00 75YR56 00 F С Y 0 0 0 Μ 34-60 c 25Y 63 00 75YR56 00 M 00MINOO 00 Y 0 0 0 Ρ 79 0-22 10YR42 00 mc] 0 0 0 22-35 10YR44 00 hc1 0 0 Ω М 35-120 c 10YR54 56 0 0 0 м 80 0-28 mc] 10YR42 00 0 0 0 28~50 10YR44 00 hc] 0 0 0 М 50-120 c 10YR54 00 0 0 0 М Faintly mottled 81 0-27 10YR43 00 0 0 mc] ۵ 27-35 hc1 10YR44 54 0 0 0 Μ 35-55 10YR54 00 с 0 0 0 М 55-85 c 10YR54 00 0 0 0 М 85-120 c 10YR56 00 0 0 0 м

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| | | | | M | OTTLES | | PED | | | ST | ONES | - STRUCT/ | SUBS | | | |
|--------|-----------------|--------------|-----------|---------|--------|------|--------|--------|-----------------|--------|----------------|-----------|-----------|--------|--------|-----------------|
| SAMPLE | DEPTH | TEXTURE | COLOUR | COL / | ABUN | CONT | COL. | GLEY | ' > 2 | >6 | LITH ТОТ | CONSIST | STR POR I | 1P SPL | CALC | |
| 82 | 0-29 | mcl | 10YR43 00 | | | | | | 0 | 0 | 0 | | | | | |
| | 29-65 | hc1 | 10YR44 00 | | | | | | 0 | 0 | 0 | | м | | | |
| | 65–120 | с | 75YR56 00 | | | | | | 0 | 0 | 0 | | м | | | |
| 83 | 0-25 | mcl | 10YR42 00 | | | | | | 0 | 0 | 0 | | | | | |
| | 25-35 | hc] | 10YR53 00 | 75YR56 | 00 C | 0 | IOMN00 | 00 Y | 0 | 0 | 0 | | M | | | |
| | 35-60 | c | 10YR53 00 | 75YR56 | 00 M | 0 | IOMNOO | 00 Y | 0 | 0 | 0 | | Ρ | Y | | |
| 84 | 0-28 | с | 10YR42 00 | | | | | | 0 | 0 | 0 | | | | | |
| | 28-35 | с | 10YR54 00 | | | | | | 0 | 0 | 0 | | М | | | |
| | 35-55 | hc] | 25Y 63 00 | 75YR56 | 00 M | | | Y | 0 | 0 | 0 | | Ρ | Ŷ | | |
| | 55-70 | с | 25Y 63 00 | 75YR56 | 00 M | | | Y | 0 | 0 | 0 | | Ρ | Ŷ | | |
| 85 | 0-25 | с | 10YR42 00 | | | | | | 0 | 0 | 0 | | | | | |
| | 25-55 | с | 10YR54 00 | 75YR56 | 00 F | | | | 0 | 0 | 0 | | M | | | |
| | 55-80 | c | 25Y 63 76 | 75YR56 | 00 M | | | Ŷ | 0 | 0 | 0 | | Ρ | Y | | |
| 86 | 0-25 | mcl | 10YR42 00 | | | | | | 0 | 0 | 0 | | | | | |
| | 25-45 | с | 75YR56 00 | | | | | | 0 | 0 | 0 | | м | | | |
| | 45-60 | c | 75YR56 00 | 75YR68 | 00 F | | | | 0 | 0 | 0 | | М | | | |
| | 60-120 | c | 75YR64 00 | 75YR56 | 00 C | | | Y | 0 | 0 | 0 | | м | | | Faintly gleyed |
| 87 | 0-32 | നറി | 10YR43 00 | | | | | | 0 | 0 | 0 | | | | | |
| 0, | 32-50 | mcl | 10YR44 00 | | | | | | 0 | ō | HR 2 | | м | | | |
| | 50-65 | hcl | 75YR54 56 | | | | | | 0 | 0 | <u>-</u> | | м | | | |
| | 65-120 | c | 75YR54 56 | | | | | | 0 | 0 | 0 | | M | | | |
| 88 | 0_30 | mc] | 10VR43 00 | | | | | | a | n | o | | | | | |
| 00 | 30-50 | mcl | 10VR44 00 | | | | | | õ | ñ | ő | | м | | | |
| | 50-65 | hcl | 10VR54 00 | | | | | | 0 | ٥ ٥ | 0 | | M | | | |
| | 65-120 | c | 10YR54 00 | | | | | | 0 | 0 | 0 | | M | | | |
| 90 | 020 | ~~ 1 | 107842 00 | | | | | | 3 | n | цр 3 | | | | | |
| 09 | 20_45 | hol | 107044 00 | | | | | | ň | ñ | нк 3 нр 3 | | м | | | |
| | 45-120 | c | 10YR44 54 | | | | | | 0 | 0 | HR 3 | | M | | | Few Mn concs 80 |
| 00 | 0.05 | | 10/042 00 | | | | | | 0 | ^ | uв 🤊 | | | | | |
| 90 | 0-20 | INC 1 | 101K42 00 | | | | | | 0 | 0 | пк 2 ub 2 | | м | | | |
| | 25-35 35-120 | c | 75YR56 00 | | | | | | 0 | 0 | HR 2 | | M | | | |
| •• | | | | | | | | | • | • | | | | | | |
| 91 | 0-28 | hcl | 10YR41 42 | | ~~ ~ | | | | 0 | 0 | HK 1 | | | | Y | |
| | 28-40 | hci h-1 | 10YR/3 63 | 000000 | | | | | U C | U A | MK 1 | | M | | Y V | |
| | 40-65 | NC 1.6- | 107K54 00 | 1000000 | 00 F | | | | 0 | 0 | пк I un + | | M | | Y V | |
| | 05-95 | ITS | 10VDE2 62 | TEVES | | | | r U | 0 | 0 | ⊓nt 1 ⊔n: 1 | | ri M | | Y V | |
| | 90-120 | SCI | IUTKOS OS | 131830 | 00 C | | | Ŷ | U | U | n r. I | | IT) | | Ŧ | |
| 92 | 0-25 | mcl | 10YR42 00 | - | | | | | 0 | 0 | 0 | | | | | |
| | 25-50 | c | 25Y 62 63 | /5YR56 | UU M | | | Y | 0 | 0 | 0 | | Р И | Ŷ | | |
| | 50-80 | hci | 25Y 63 UU | 75YR56 | UU C | | | Y | Û | U | U | | M | Y | | |

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| | | | | | OTTLES | 5 | PED | | | -st | ONES | - STRUCT/ | SUBS | | | |
|--------|----------------|------------|-----------|--------|--------|------|------|--------|--------|--------|---------|-----------|----------|-----|-----|--------|
| SAMPLE | DEPTH | TEXTURE | COLOUR | COL | ABUN | CONT | COL. | GLEY | >2 | >6 | LITH TO | T CONSIST | STR POR | IMP | SPL | CALC |
| 60 | 0-29 | hol | 100042 00 | | | | | | 0 | n | 0 | | | | | |
| 33 | 29_45 | fel | 257 62 63 | 75705 | s 00 c | | | v | n | ĥ | 0 | | м | | | |
| | 20-40 45-58 | iai sel | 25V 63 00 | 75705 | 5 00 C | | | v | ñ | ñ | 0 | | M | | | |
| | 40-00 58_80 | 501 C | 257 52 00 | 75725/ | | | | v v | ñ | n | 0 | | D | | v | |
| | 38-80 | C | 231 32 00 | 75185 | 00 14 | | | • | v | v | Ŭ | | F | | r | |
| 94 | 0-36 | hc1 | 10YR42 43 | | | | | | 0 | 0 | 0 | | | | | |
| | 36-55 | hc1 | 25Y 63 00 | 75YR56 | 5 00 C | | | Y | 0 | 0 | 0 | | М | | | |
| | 55-65 | fsl | 25Y 63 00 | 75YR56 | 5 00 C | | | Y | 0 | 0 | 0 | | Μ | | | |
| | 65-85 | scl | 10YR53 63 | 75YR56 | 5 00 C | | | Y | 0 | 0 | 0 | | Μ | | | |
| | 85-95 | fsl | 25Y 63 00 | 75YR56 | 5 00 C | | | Y | 0 | 0 | 0 | | М | | | |
| | 95–120 | c | 25Y 62 63 | 75YR56 | 558 M | | | Y | 0 | 0 | 0 | | Ρ | | Y | |
| 95 | 0-30 | mc1 | 10YR32 42 | | | | | | 0 | 0 | HR 1 | | | | | Y |
| | 30-50 | mcl | 10YR53 00 | 75YR56 | 5 00 C | | | Y | 0 | 0 | 0 | | м | | | Ŷ |
| | 50-75 | lfs | 10YR53 00 | 75YR56 | 5 00 C | | | Ŷ | Ō | 0 | 0 | | M | | | Ŷ |
| | 75-95 | fs | 05Y 63 00 | | | | | Ŷ | 0 | 0 | 0 | | M | | | Ŷ |
| | 95-120 | fs] | 10YR53 00 | | | | | Ŷ | ō | õ | 0 | | M | | | Ŷ |
| | | | | | | | | | | | | | | | | • |
| 96 | 0-28 | mc1 | 10YR42 00 | 000000 | 00 F | | | | 0 | 0 | HR 1 | | | | | Y |
| | 28-50 | с | 25Y 73 00 | 75YR56 | 5 00 M | | | Y | 0 | 0 | HR 1 | | Μ | | | Y |
| | 50-75 | с | 10YR64 54 | 000000 | 00 F | | | Y | 0 | 0 | 0 | | Μ | | Y | Y |
| | 75–120 | с | 10YR53 00 | 75YR56 | 5 00 M | | | Y | 0 | 0 | 0 | | М | | Y | Y |
| 97 | 0-30 | തരി | 10VR42 00 | | | | | | 0 | 0 | 0 | | | | | v |
| ••• | 30-45 | lfs | 25Y 63 73 | 75YR56 | 5 00 C | | | γ | 0 | 0 | 0 | | м | | | Ŷ |
| | 45-65 | scl | 10VR53 00 | 75YR56 | 5 00 C | | | Ŷ | Ď | Õ | ů O | | м | | | v |
| | 65-75 | ms | 25Y 73 63 | | | | | Ŷ | 0 | D | 0 | | M | | | Ŷ |
| | 75-80 | ms | 25Y 73 63 | | | | | Y | 0 | 0 | HR 20 | | M | | | Ŷ |
| - 4 | | | | | | | | | | | | | | | | |
| 98 | 0-25 | С | 10YR42 00 | | | | | | 0 | 0 | 0 | | | | | Ŷ |
| | 25-32 | С | 10YR53 54 | | | | | | 0 | 0 | 0 | | M | | | Ŷ |
| | 32-45 | C | 25Y 73 00 | 75YR56 | 5 00 C | | | Ŷ | 0 | 0 | 0 | | M | | | Y |
| | 45-65 | hc1 | 25Y 72 00 | 000000 | 00 C | | | Y | 0 | 0 | 0 | | М | | | Y |
| | 65-75 | fsl | 10YR64 00 | 000000 | 00 F | | | Ŷ | 0 | 0 | 0 | | M | | | Y |
| | 75-100 | lfs | 10YR64 00 | | | | | Ŷ | 0 | 0 | 0 | | M | | | Y |
| | 100-120 | fs | 25Y 63 00 | | | | | Ŷ | 0 | 0 | 0 | | М | | | Y |
| 100 | 0-18 | hc1 | 10YR42 00 | | | | | | 0 | 0 | 0 | | | | | |
| | 18-45 | scl | 25Y 63 00 | 75YR56 | 5 00 C | | | Y | 0 | 0 | 0 | | M | | | |
| | 45-65 | hc1 | 25Y 63 00 | 75YR56 | 5 00 C | | | Y | 0 | 0 | 0 | | м | | | |
| | 65-80 | c | 25Y 62 63 | 75YR56 | 6 OO M | | | Y | 0 | 0 | 0 | | Ρ | | Y | |
| 102 | 0_22 | 70 | 1000/2 00 | | | | | | n | ۵ | n | | | | | v |
| 102 | 20-20 | 20 | 10VDE2 E4 | | | | | | ñ | 0 | 0 | | м | | | т V |
| | 20-35 | с С | 257 72 00 | | 00 M | | | v | 0 n | ٥ ٥ | 0 | | ri Mi | | v | r V |
| | 33-70 70_05 | u hacl | 100052 00 | 000000 | | | | v | 0 n | 0 | 0 | | m M | | Ţ | T V |
| | 05_100 | 501 | 107833 00 | 000000 | | | | v | ň | n n | 0 | | M | | | v |
| | 30-120 | 301 | 101K33 00 | | | | | T | v | U | 0 | | 11 | | | T |

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| | | | | MOTTLE | S | PED | | | S7 | TONES | STRUCT/ | SUBS | | |
|--------|---------|---------|-----------|-------------|------|----------|------|----|----|--------|------------|-------------|-----|------|
| SAMPLE | DEPTH | TEXTURE | COLOUR | COL ABUN | CONT | COL. | GLEY | >2 | >6 | LITH T | DT CONSIST | STR POR IMP | SPL | CALC |
| 103 | 0-28 | z¢ | 10YR42 00 | 000C00 00 F | | | | 0 | 0 | HR | 2 | | | v |
| | 28-40 | c | 10YR53 00 | 75YR56 00 M | | | Y | 0 | 0 | HR | 2 | м | | Y |
| 104 | 0-29 | zc | 10YR53 00 | | | | | 0 | 0 | HR | 1 | | | Y |
| | 29-48 | с | 25YR73 00 | 75YR56 00 M | | | Y | 0 | 0 | (|) | м | | Y |
| | 48-65 | hc1 | 25YR73 00 | 75YR56 00 C | | | Y | 0 | Û | (|) | м | | Y |
| | 65-75 | с | 10YR54 00 | 000C00 00 C | | | Y | 0 | 0 | (|) | M | | Y |
| | 75-120 | hc1 | 10YR54 00 | 000C00 00 C | | | Y | 0 | 0 | l |) | м | | Y |
| 105 | 0-28 | hc1 | 10YR32-00 | | | | | 0 | 0 | HR 1! | 5 | | | |
| | 28-45 | с | 25Y 63-00 | 05YR46- C | | | Y | 0 | 0 | HR | l | м | | Y |
| | 45-120 | c | 25Y 63-00 | 05YR46- M | | | Y | 0 | 0 | HR | i | Ρ | Y | Y |
| 106 | 0-10 | ohc1 | 10YR31 00 | | | | | 0 | 0 | c |) | | | |
| | 10-25 | с | 10YR42 32 | | | | | 0 | 0 | (|) | м | | |
| | 25-50 | c | 25Y 62 63 | 75YR56 00 M | | | Y | 0 | 0 | C |) | Ρ | Y | |
| 107 | 0-26 | zc | 10YR42 00 | | | | | 0 | 0 | (|) | | | |
| | 26-40 | c | 25Y 63 62 | 75YR56 00 M | | | Y | 0 | 0 | (|) | P | | |
| | 40-95 | fsl | 25Y 63 00 | 75YR56 00 C | | | Y | 0 | 0 | C |) | м | | |
| | 95-120 | lfs | 10YR62 00 | | | | ۷ | 0 | 0 | C |) | . М | | |
| 109 | 0-34 | c | 10YR42 43 | | | | | 0 | 0 | c | t | | | |
| | 34-50 | hc1 | 25Y 62 63 | 75YR56 00 C | | | Y | 0 | 0 | C | l | м | | |
| | 50-65 | fsl | 25Y 62 63 | 75YR56 00 C | | | Y | 0 | 0 | C |) | м | | |
| | 65-100 | lfs | 10YR53 00 | 75YR56 00 C | | | Y | 0 | 0 | C | 1 | м | | |
| | 100-120 | c | 25¥ 62 63 | 75YR56 00 C | | | Y | 0 | 0 | C | I | Ρ | | |
| 110 | 0-28 | c | 10YR42 00 | | | | | 0 | 0 | c | 1 | | | Y |
| | 28-60 | c | 10YR54 53 | 75YR56 00 M | 25 | 5Y 63 00 |) Y | 0 | 0 | C | I | Ρ | Y | Y |
| 111 | 0-28 | с | 10YR42 00 | | | | | 0 | 0 | C | 1 | | | Y |
| - | 28-38 | с | 10YR54 00 | | | | | 0 | 0 | C | 1 | м | | Υ· |
| | 38-70 | с | 25Y 73 00 | 75YR56 00 M | | | Y | 0 | 0 | C | ł | м | Y | Y |
| 112 | 0-30 | с | 10YR42 00 | | | | | 0 | 0 | C | I | | | Y |
| | 30-39 | c | 25Y 52 62 | 75YR56 00 C | | | Y | 0 | 0 | C | I | Р | | Y |
| | 39-90 | lfs | 10YR53 54 | 75YR56 00 C | | | Y | 0 | 0 | C | l | м | | Ŷ |
| | 90-120 | fs | 25Y 72 73 | | | | Y | 0 | 0 | C | I | М | | Y |
| 113 | 0-8 | ohcl | 10YR32 00 | | | | | 0 | 0 | c | I | | | |
| | 8-27 | c | 10YR42 32 | | | | | 0 | 0 | c | I | м | | |
| | 27-37 | с | 10YR53 54 | 75YR56 00 F | 00 | 0000 00 | γ | 0 | 0 | C | I | м | | |
| | 37-70 | с | 25Y 53 63 | 75YR56 00 M | | | Y | 0 | 0 | c | | P | Y | |
| 115 | 0-34 | с | 10YR42 43 | | | | | 0 | 0 | c | | | | |
| | 34-55 | с | 10YR54 53 | | | | | 0 | 0 | 0 | | м | | |
| | 55-80 | с | 10YR53 00 | 75YR56 00 C | | | Y | 0 | 0 | 0 | | Ρ | Y | |

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| | | | | POTTLES P | | PED | 'EDSTONES STRUCT/ | | | | | | SUBS | | | | | |
|--------|--------|---------|-----------|-----------|------|------|-------------------|------|----|--------|-------|---------|---------|-------|----|------|--|--|
| Sample | DEPTH | TEXTURE | COLOUR | COL | ABUN | CONT | COL. | GLEY | >2 | >6 LIT | н тот | CONSIST | STR POR | IMP S | PL | CALC | | |
| 117 | 0-28 | zc | 10YR43 00 | | | | | | 0 | 0 | 0 | | | | | Y | | |
| | 28-34 | с | 10YR54 00 | | | | | | Ō | 0 | Ō | | м | | | Ŷ | | |
| | 34-55 | с | 25Y 73 00 | 75YR56 | 00 M | | | Y | 0 | 0 | 0 | | P | | Y | Ŷ | | |
| | 55-75 | fsl | 10YR53 00 | 000000 | 00 C | | | Ŷ | 0 | 0 | 0 | | м | | Ŷ | Ŷ | | |
| | 75-85 | lfs | 10YR53 00 | 000000 | 00 C | | | Y | 0 | 0 | 0 | | м | | Ŷ | Ŷ | | |
| | 85–120 | fs | 25Y 72 73 | | | | | Ŷ | 0 | 0 | 0 | | м | | Y | Y | | |
| 118 | 0–25 | с | 10YR42 00 | | | | | | 0 | 0 | 0 | | | | | Y | | |
| | 25-37 | с | 10YR53 54 | | | | | | 0 | 0 | 0 | | М | | | Y | | |
| | 37-55 | c | 25Y 62 63 | 75YR56 | 00 M | | | Y | 0 | 0 | 0 | | Ρ | | Y | Y | | |
| 119 | 0-25 | zc | 10YR42 52 | | | | | | 0 | 0 | 0 | | | | | Y | | |
| | 25-50 | c | 25Y 63 00 | 000000 | 00 M | | | Y | 0 | 0 | 0 | | P | | Y | Y | | |
| 121 | 0-20 | hc1 | 10YR42 00 | | | | | | 0 | 0 | 0 | | | | | | | |
| | 20-70 | С | 25Y 62 00 | 75YR56 | 00 C | | | Y | 0 | 0 | 0 | | Ρ | • | Y | | | |
| 122 | 0-18 | с | 10YR42 32 | | | | | | 0 | 0 | 0 | | | | | | | |
| | 18-70 | c | 10YR53 63 | 75YR56 | 00 C | | | Y | 0 | 0 | 0 | | Ρ | 1 | Y | | | |
| 123 | 0-30 | с | 10YR42 00 | 75YR56 | 00 C | | | Y | 0 | 0 | 0 | | | | | | | |
| | 3050 | с | 25Y 63 00 | 75YR56 | 00 M | | | Y | 0 | 0 | 0 | | Р | • | Y | | | |
| | 50-80 | scl | 25Y 63 00 | 75YR56 | 00 C | | | Y | 0 | 0 | 0 | | м | , | Y | | | |
| | 80–120 | fsl | 25Y 62 63 | | | | | Y | 0 | 0 | 0 | | M | , | Y | | | |
| 124 | 0-25 | c | 10YR42 32 | | | | | | 0 | 0 | 0 | | | | | | | |
| | 25-35 | c | 10YR53 54 | | | | | | 0 | 0 | 0 | | м | | | | | |
| | 35-50 | c | 10YR53 54 | 75YR56 | 00 C | | | Y | 0 | 0 | 0 | | Р | • | Y | | | |
| 125 | 0-26 | hzc1 | 10YR42 32 | | | | | | 0 | 0 | 0 | | | | | | | |
| | 26-37 | с | 10YR53 54 | 75YR56 | 00 C | | | Y | 0 | 0 | 0 | | м | | | | | |
| | 37-60 | c | 25Y 62 63 | 75YR56 | 00 M | | | Ŷ | 0 | 0 | 0 | | Ρ | ` | ŕ | | | |
| 127 | 0-28 | c | 10YR42 00 | | | | | | 0 | 0 | 0 | | | | | | | |
| | 28-40 | hcl | 25Y 63 00 | 75YR56 | 00 C | | | Y | 0 | 0 | 0 | | М | | | | | |
| | 40-80 | lfs | 25Y 62 63 | 75YR56 | 00 C | | | Y | 0 | 0 | 0 | | М | | | | | |
| | 80-95 | fsl | 25Y 62 63 | 75YR56 | 00 F | | | Ŷ | 0 | 0 | 0 | | Μ | | | | | |
| | 95-120 | scl | 25Y 62 63 | 75YR56 | 00 C | | | Ŷ | 0 | 0 | 0 | | M | | | | | |

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