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**Hampshire Structure Plan Review
Land at Four Marks
Agricultural Land Classification
Reconnaissance Survey
ALC Map and Report
December 1995**

AGRICULTURAL LAND CLASSIFICATION REPORT.

HAMPSHIRE STRUCTURE PLAN REVIEW LAND AT FOUR MARKS RECONNAISSANCE SURVEY

1. Summary

- 1.1 ADAS was commissioned by MAFF's Land Use Planning Unit to provide information on land quality for a number of 'areas of search' in connection with MAFF's input to the Hampshire Structure Plan Review.
- 1.2 Land at Four Marks comprises approximately 630 hectares of land centred around the village of Four Marks which is approximately 4 miles south west of Alton in Hampshire. An Agricultural Land Classification (ALC) survey was carried out between May and October 1995. The survey was completed at a reconnaissance level of detail, on a 'free' survey basis, as it was undertaken primarily to update the 1:63,360 scale provisional ALC maps for this area. Consequently the results are designed for strategic planning purposes only. For site specific proposals, further, more detailed surveys may be required. A total of 140 borings and eight soil inspection pits were assessed in accordance with MAFF's revised guidelines and criteria for grading the quality of agricultural land (MAFF, 1988). These guidelines provide a framework for classifying land according to the extent to which its physical or chemical characteristics impose long-term limitations on its use for agriculture. Information was also drawn from four existent surveys (ADAS Refs: 1502/06-09/95 inclusive) within the survey area.
- 1.3 The work was carried out by members of the Resource Planning Team in the Guildford Statutory Group of ADAS.
- 1.4 At the time of survey the agricultural land was under permanent grass, ley grass, winter cereals and stubble, together with some areas of set aside. Urban areas include individual and grouped dwellings and their gardens, farm buildings, hard sports areas, roads and tracks, a scrap yard and a cemetery. Recreational land, including a golf course, and scrub are shown as Non-Agricultural. The majority of the woodland in this area is mature and deciduous, although some comprises part of a coniferous plantation, the majority of which is beyond the boundary of the surveyed area.
- 1.5 The distribution of grades and subgrades is shown on the attached ALC map and the areas are given in Table 1 overleaf. The map has been drawn at a scale of 1:50,000. It is accurate at this scale, but any enlargement would be misleading.
- 1.6 Appendix I gives a general description of the grades, subgrades and land use categories identified in the survey. The main classes are described in terms of the type of limitation that can occur, the typical cropping range and the expected level and consistency of yield.

Table 1: Area of grades and other land

| Grade/Other land | Area (hectares) | % surveyed area | % agricultural area |
|-------------------|-----------------|-----------------|---------------------|
| 3a | 138.6 | 22.0 | 27.9 |
| 3b | 358.1 | 56.9 | 72.1 |
| Urban | 93.7 | 14.9 | |
| Non-Agricultural | 27.9 | 4.4 | |
| Woodland | 11.6 | 1.8 | |
| Total survey area | 496.7 | | 100.0 |
| Total site area | 629.9 | 100.0 | |

- 1.7 Land quality in this 'area of search' ranges from good quality (Subgrade 3a), to moderate quality (Subgrade 3b). Principal limitations include soil wetness and to a lesser extent soil droughtiness and slope.
- 1.8 Land of Subgrade 3a quality is generally associated with the dry valley features and is limited by soil droughtiness. This is either due to gravelly subsoil horizons restricting the water holding capacity of the soil or, by solid chalk occurring at shallow to moderate depths, commonly on sloping land. Chalk has the effect of restricting plant rooting depth, such that there is a reduction in the available water capacity of the soil. Soil droughtiness causes plant growth to be adversely affected as water supply is insufficient for growth during all or part of the growing season. In view of the relatively wet local climate, such land is appropriately graded 3a.
- 1.9 The majority of the 'area of search' is affected by soil wetness due to slowly permeable clay subsoils which occur at shallow and moderate depths beneath medium loamy and silty topsoil and upper subsoil horizons. Soil wetness in the Four Marks area is exacerbated by the comparatively wet nature of the local climate. A soil wetness limitation affects plant growth and yield and reduces the opportunities for cultivations and/or grazing without causing structural damage to the soil. The majority of land of this type is located on the land of highest altitude and is graded 3b. Within this soil type there are also some areas of slightly better drained land which are appropriately graded 3a.
- 1.10 In some relatively small areas of the site, principally to the west and south, slope is the principal limiting factor. Gradients in the range 7-11° were measured. This limits land quality to Subgrade 3b as cultivation is compromised in terms of the safe and efficient use of farm machinery.

2. Climate

- 2.1 The climatic criteria are considered first when classifying land as climate can be overriding in the sense that severe limitations will restrict land to low grades irrespective of favourable site or soil conditions.
- 2.2 The main parameters used in the assessment of an overall climatic limitation are average annual rainfall, as a measure of overall wetness, and accumulated temperature, as a measure of the relative warmth of a locality.
- 2.3 An assessment of the prevailing climate was made by interpolation from a 5km gridpoint dataset (Met. Office, 1989) for 20 points in the survey area. A representative sample are given in Table 2. These show that overall the site is climatically Grade 2 due to it being cool and moist as a result of being located at comparatively high altitudes. This means that Grade 2 is the highest land quality possible in this area. Also, according to unpublished Met. Office data (1971), this area is considered to be rather exposed, again because of the comparatively high altitude, especially for the south east England.
- 2.4 Due to the relatively small differences in climate over the surveyed area, the set of specific climatic variables chosen for the purposes of the survey (see table 3) was the median average of those obtained by interpolation from the total of 20 separate readings taken over the whole survey area. These are shown in bold type in Table 2 below.

Table 2: Climatic and altitude data

| Factor | Units | Values | Values | Values |
|----------------------------|--------|------------|-------------------|------------|
| Grid reference | N/A | SU 654 347 | SU 658 360 | SU 685 346 |
| Altitude | m, AOD | 165 | 195 | 210 |
| Accumulated Temperature | day°C | 1353 | 1319 | 1301 |
| Average Annual Rainfall | mm | 917 | 934 | 962 |
| Field Capacity Days | days | 200 | 202 | 207 |
| Moisture Deficit, Wheat | mm | 82 | 79 | 76 |
| Moisture Deficit, Potatoes | mm | 69 | 64 | 59 |

- 2.5 Climatic and soil factors interact to influence soil wetness, workability and droughtiness limitations. Given the other limitations acting to affect land quality in this 'area of search', overall climate and exposure (see para. 2.3) do not have overriding significance. At this locality, average annual rainfall and field capacity days are high, in regional terms, reflecting the elevated altitude. Therefore the likelihood of soil wetness and/or workability limitations is increased

3. Relief

- 3.1 The 'area of search' lies between approximately 165 and 220m AOD. The land mostly comprises a plateau, dissected by dry valley features which commonly fall gently from the north towards the south or south west. Occasionally the slopes to these valley features have gradients which are significant in terms of land quality, ie gradients over 7° were occasionally measured (see para. 5.7).

4. Geology and Soils

- 4.1 The published geological information (BGS, 1975, 1:50,000 scale), shows the majority of the 'area of search' to be underlain by clay-with-flints, a drift deposit overlying Cretaceous Upper Chalk. In the smaller dry valley features Cretaceous Upper Chalk is mapped, often with the suffix 'clayey soil'. In the large dry valley feature, which runs approximately through the centre of the site from South Town in the north to Hawthorn in the south, river and valley gravel is shown as a drift deposit.

- 4.2 The published soils information (SSEW 1983 and 1984, 1:250,000 scale), shows the site to be underlain by soils from the Carstens and Upton Associations. The Carstens Association is mapped for the majority of the site and is described as, 'well drained fine silty over clayey, clayey and fine silty soils, often very flinty,' (SSEW, 1983). The Upton Association is mapped towards the west of the site, in one of the dry valley features. This is described as 'Shallow well drained calcareous silty soils over Chalk. Mainly on moderately steep, sometimes very steep land. Deeper fine silty calcareous soils in coombes and dry valley.' (SSEW, 1983). Within the 'area of search', the soils encountered were broadly of the types described above. In the areas coincident with clay with flints, soils were deep, with chalk not encountered with 1.2m and silty over clayey with a variable flint content. The soils in this area were moderately to poorly drained, the clay being slowly permeable (see para. 5.6). In the areas mapped as river and valley gravel the soils were considered to be deep but were very flinty and often impenetrable to the soil auger and spade. In the areas where soils are directly derived from Chalk, soil depth over Chalk rock was variable

5. Agricultural Land Classification

- 5.1 Paragraph 1.5 and Table 1 provide details of the area measurements for each grade. The distribution of each grade is shown on the attached ALC map.
- 5.2 The location of the soil observation points are shown on the attached sample point map.

Subgrade 3a

- 5.3 Land of good quality occurs over approximately 22% of the site. Principal limitations to land quality include soil droughtiness and soil wetness. Soils within this classification fall into three main groups. The first and most extensive is located at the base of, and on the lower slopes of, the dry valley features where

valley gravels are mapped. Such land is common throughout the 'area of search'. Typical profiles are well drained (Wetness Class I) and comprise a slightly to moderately stony (up to 20% v/v total flints, with up to 5% >2cm) non calcareous, medium silty clay loam, occasionally silt loam or medium clay loam topsoil. This passes to moderately stony (up to 25% v/v total flints) non calcareous medium silty clay loam or medium clay loam, occasionally silt loam upper subsoil horizon which was often impenetrable to the soil auger. This passes to a very stony (60% v/v total flints) heavy silty clay loam horizon passing to gravel as seen at the pit observation 7p. The flints in the profile reduce the water holding capacity of the soil such that, within the local climatic parameters there is a risk of drought stress affecting plant growth and yield consistency.

- 5.4 The second soil type generally occurs towards the head of the dry valley features and on slopes throughout the 'area of search'. It is principally limited by soil wetness. Associated soils commonly comprise a slightly stony (up to 10% v/v total flints) medium silty clay loam or medium clay loam topsoil. This commonly passes to a slightly gleyed, similarly stony, medium or heavy medium silty clay loam upper subsoil. This rests, at varying depths, on a slightly to moderately stony (up to 20% v/v total flints), gleyed or slightly gleyed, slowly permeable red or brownish clay. Soils in this group are similar to many graded 3b (see para. 5.6), but have a greater depth of loamy material above the clay and are not gleyed within 40cm. The depth at which the slowly permeable horizon occurs in the locally wet climate leads to Wetness Class III being applied. Subsequently Subgrade 3a is appropriate given the medium textured topsoils. Soil wetness affects plant growth and yield as well as restricting land utilisation in terms of the number of days when machinery cultivations and grazing by livestock can occur without causing structural damage to the soil.
- 5.5 The third, and least extensive, soil type graded 3a, occurs primarily towards the west of the site. This commonly comprises a slightly to moderately stony (up to 17% v/v total flints, 12% >2cm) medium silty clay loam topsoil, passing to a similarly stony medium or heavy silty clay loam upper subsoil. This lies directly over solid Chalk. Chalk has the effect of restricting plant rooting and consequently the available water capacity of the profile, such that from the pit observation 6p, roots were found to extend approximately 30cm into the substrate and as such the soil droughtiness calculation was stopped at this point. The restriction in rooting leads to a reduction in profile available water, such that Subgrade 3a is appropriate in the locally moist climate. Soil droughtiness affects plant growth and yield. Very occasional observations over Chalk were deeper and of a slightly better quality, these have not been mapped separately at this scale.

Subgrade 3b

- 5.6 The majority of the agricultural land in this area is shown as being of moderate quality. Principal limitations include soil wetness and slope (see para. 5.7). The majority of this area is affected by soil wetness. The associated soils typically comprise a slightly stony (up to approximately 10% v/v total flints), occasionally slightly gleyed medium silty clay loam or medium clay loam. This may pass to a similar, gleyed or slightly gleyed, medium or heavy silty clay loam or medium clay

loam upper subsoil. In many profiles this loamy upper subsoil is absent and the topsoil rests directly on a clay horizon. The upper subsoil, if present, or the topsoil passes at varying depths to a slightly or moderately stony (up to approximately 20% v/v total flints), gleyed or slightly gleyed, slowly permeable clay as seen in the pit observations 1p, 2p, 3p, 4p, 5p and 8p. This clay lower (sometimes upper) subsoil is typically red in colour with hues of 5YR or redder, and may not always exhibit prominent signs of wetness such as distinct mottles or pale ped faces. In general, such horizons as described as slightly gleyed, although it is believed that the intense red colour is masking the full expression of gleying. These red clay subsoils exhibit a compound structure with a coarse angular blocky primary structure and a medium angular blocky secondary structure. In terms of the wetness assessment, the primary structure (coarse angular blocky) is considered operative in terms of the wetness assessment. Following consultation with the SSLRC, it was agreed that these red subsoils were slowly permeable. The depth at which the slowly permeable horizon occurs in this locally moist climate regime leads to Wetness Class III or IV being applied. Subsequently Subgrade 3b is appropriate given the medium and heavy topsoils. Soil wetness affects plant growth and yield as well as restricting land utilisation in terms of the number of days when machinery cultivations and grazing by livestock can occur without causing structural damage to the soil.

- 5.7 In some areas of the site, primarily on the slopes of the dry valley features towards the west and south of the site, slopes were a significant factor in land classification. Gradients in these areas were measured, with an optical reading clinometer at between 7° and 11°. Slopes in this gradient range are sufficient to compromise the safe and efficient operation of farm machinery, particularly for cultivation and harvesting, to the extent that Subgrade 3b is appropriate, given the moderate degree of limitation this imposes.

ADAS Reference: 1502/115/95
MAFF Reference: EL15/518

Resource Planning Team
Guildford Statutory Group
ADAS Reading

SOURCES OF REFERENCE

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ADAS (1995), East Hampshire Local Plan. Site 512: Land at Boyneswood Road, Four Marks. Agricultural Land Classification Report. Reference 1502/007/95

ADAS (1995), East Hampshire Local Plan. Site 683: Land between Brislands Lane and Winchester Road, Four Marks. Agricultural Land Classification Report. Reference 1502/008/95

ADAS (1995), East Hampshire Local Plan. Site 1083: Budgetts Farm, Four Marks. Agricultural Land Classification Report. Reference 1502/009/95

British Geological Survey (1975), Sheet 300, Alresford, 1:50,000. Drift Edition.

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

Meteorological Office (1971), Unpublished Climate data relating to Sheet 169, 1:63,360.

Meteorological Office (1989), Climatic datasets for Agricultural Land Classification.

Soil Survey of England and Wales (1983), Sheet No. 6, Soils of South-East England, 1:250,000, and Accompanying Legend.

Soil Survey of England and Wales (1984), Bulletin No.15, Soils and their use in South-East England.

Soil Survey and Land Research Centre (1995), Personal Communication with John Hollis.

APPENDIX I

DESCRIPTION OF THE GRADES AND SUBGRADES

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 of this 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 land.

Grade 3 : Good to Moderate Quality Land

Land with moderate limitations which affect the choice of crops, the 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.

Subgrade 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.

Subgrade 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 (e.g. 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 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 including: 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. Also active mineral workings and refuse tips where restoration conditions to 'soft' after-uses may apply.

Woodland

Includes commercial and non-commercial woodland. A distinction may be made as necessary between farm and non-farm woodland.

Agricultural Buildings

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

Open Water

Includes lakes, ponds and rivers as map scale permits.

Land Not Surveyed

Agricultural land which has not been surveyed.

Where the land use includes more than one of the above, e.g. 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.

APPENDIX II

DEFINITION OF SOIL WETNESS CLASS

Wetness Class I

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

Wetness Class II

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

Wetness Class III

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

Wetness Class IV

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 or, if there is no slowly permeable layer present within 80 cm depth, it is wet within 40 cm depth for 91-210 days in most years.

Wetness Class V

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

Wetness Class VI

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

APPENDIX III

SOIL PIT AND SOIL BORING DESCRIPTIONS

Contents :

Sample Point Map

Soil Abbreviations - explanatory note

Database Printout - soil pit information

Database Printout - boring level information

Database Printout - horizon level information

SOIL PROFILE DESCRIPTIONS : EXPLANATORY NOTE

Soil pit and auger boring information collected during ALC fieldwork is held on a database. This has commonly used notations and abbreviations as set out below.

Boring Header Information

- GRID REF** : national grid square and 8 figure grid reference.
- USE** : Land use at the time of survey. The following abbreviations are used.

| | | |
|----------------------------------|----------------------------------|-----------------------------|
| ARA : Arable | WHT : Wheat | BAR : Barley |
| CER : Cereals | OAT : Oats | MZE : Maize |
| OSR : Oilseed rape | BEN : Field Beans | BRA : Brassicae |
| POT : Potatoes | SBT : Sugar Beet | FCD : Fodder Crops |
| LIN : Linseed | FRT : Soft and Top Fruit | FLW : Fallow |
| PGR : Permanent Pasture | LEY : Ley Grass | RGR : Rough Grazing |
| SCR : Scrub | CFW : Coniferous Woodland | DCW : Deciduous Wood |
| HTH : Heathland | BOG : Bog or Marsh | FLW : Fallow |
| PLO : Ploughed | SAS : Set aside | OTH : Other |
| HRT : Horticultural Crops | | |
- GRDNT** : Gradient as measured by a hand-held optical clinometer.
- GLEYSPL** : Depth in cm to gleying or slowly permeable layers.
- AP (WHEAT/POTS)** : Crop-adjusted available water capacity.
- MB (WHEAT/POTS)** : Moisture Balance.
- DRT** : Best grade according to soil droughtiness.
- If any of the following factors are considered significant, an entry of 'Y' will be entered in the relevant column.

| | | |
|--------------------------------------|---------------------------|----------------------------------|
| MREL : Microrelief limitation | FLOOD : Flood risk | EROSN : Soil erosion risk |
| EXP : Exposure limitation | FROST : Frost | DIST : Disturbed land |
| CHEM : Chemical limitation | | |
- LIMIT** : The main limitation to land quality. The following abbreviations are used.

| | | | |
|-----------------------------|-----------------------------|---------------------------------------|----------------------------|
| OC : Overall Climate | AE : Aspect | EX : Exposure | |
| FR : Frost Risk | GR : Gradient | MR : Microrelief | |
| FL : Flood Risk | TX : Topsoil Texture | DP : Soil Depth | ST : Topsoil Stones |
| CH : Chemical | WE : Wetness | WK : Workability | |
| DR : Drought | ER : Erosion Risk | WD : Soil Wetness/Droughtiness | |

Soil Pits and Auger Borings

1. **TEXTURE** : soil texture classes are denoted by the following abbreviations.

S : Sand **LS** : Loamy Sand **SL** : Sandy Loam
SZL : Sandy Silt Loam **CL** : Clay Loam
ZCL : Silty Clay Loam **SCL** : Sandy Clay Loam
C : Clay **SC** : Sandy Clay **ZC** : Silty Clay
OL : Organic Loam **P** : Peat **SP** : Sandy Peat
LP : Loamy Peat **PL** : Peaty Loam **PS** : Peaty Sand
MZ : Marine Light Silts

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

F : Fine (more than 66% of the sand less than 0.2mm)
M : Medium (less than 66% fine sand and less than 33% coarse sand)
C : Coarse (more than 33% of the sand larger than 0.6mm)

The clay loam and silty clay loam classes will be sub-divided according to the clay content: **M** : Medium (<27% clay) **H** : Heavy (27-35% clay)

2. **MOTTLE COL** : Mottle colour
3. **MOTTLE ABUN** : Mottle abundance, expressed as a percentage of the matrix or surface described.

F : few <2% **C** : common 2-20% **M** : many 20-40 **VM** : very many 40%

4. **MOTTLE CONT** : Mottle contrast

F : faint - indistinct mottles, evident only on close inspection
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** : One of the following is used.

HR : all hard rocks and stones **SLST** : soft oolitic or dolimitic limestone
CH : chalk **FSST** : soft, fine grained sandstone
ZR : soft, argillaceous, or silty rocks **GH** : gravel with non-porous (hard) stones
MSST : soft, medium grained sandstone **GH** : gravel with non-porous (hard) stones
SI : soft weathered igneous/metamorphic rock
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 developed

ped size **F** : fine **M** : medium **C** : coarse **VC** : very coarse

ped shape **S** : single grain **M** : massive **GR** : granular **AB** : angular blocky

SAB : sub-angular blocky **PR** : prismatic **PL** : platy

8. **CONSIST** : Soil consistence is described 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

SOIL PIT DESCRIPTION

Site Name : HANTS STRUCTURE 4 MARKS Pit Number : 1P

Grid Reference: SU65853470 Average Annual Rainfall : 932 mm
 Accumulated Temperature : 1324 degree days
 Field Capacity Level : 202 days
 Land Use : Maize
 Slope and Aspect : degrees

| HORIZON | TEXTURE | COLOUR | STONES >2 | TOT.STONE | LITH | MOTTLES | STRUCTURE | CONSIST | SUBSTRUCTURE | CALC |
|---------|---------|-----------|-----------|-----------|------|---------|-----------|---------|--------------|------|
| 0- 27 | MZCL | 10YR43 00 | 1 | 8 | HR | | | | | |
| 27- 60 | C | 25YR46 00 | 0 | 3 | HR | C | MDCSAB | FR | M | |
| 60- 69 | C | 25YR46 00 | 0 | 3 | HR | C | STCAB | FR | M | |
| 69- 85 | C | 75YR54 64 | 0 | 2 | HR | C | STCAB | FR | M | |

Wetness Grade : 3B Wetness Class : IV
 Gleying : 27 cm
 SPL : 60 cm

Drought Grade : 1 APW : 111mm MBW : 32 mm
 APP : 114mm MBP : 50 mm

FINAL ALC GRADE : 3B
 MAIN LIMITATION : Wetness

SOIL PIT DESCRIPTION

Site Name : HANTS STRUCTURE 4 MARKS Pit Number : 2P

Grid Reference: SJ66703648 Average Annual Rainfall : 932 mm
 Accumulated Temperature : 1324 degree days
 Field Capacity Level : 202 days
 Land Use : Ley
 Slope and Aspect : degrees

| HORIZON | TEXTURE | COLOUR | STONES >2 | TOT.STONE | LITH | MOTTLES | STRUCTURE | CONSIST | SUBSTRUCTURE | CALC |
|---------|---------|-----------|-----------|-----------|------|---------|-----------|---------|--------------|------|
| 0- 27 | MZCL | 10YR43 00 | 6 | 10 | HR | C | | | | |
| 27- 38 | MZCL | 75YR54 00 | 0 | 5 | HR | C | MDCSAB | FR | M | |
| 38- 70 | C | 05YR46 00 | 0 | 5 | HR | C | MDCAB | FM | P | |

Wetness Grade : 38 Wetness Class : IV
 Gleying : S 0 cm
 SPL : 38 cm

Drought Grade : 2 APW : 92mm MBW : 13 mm
 APP : 104mm MBP : 40 mm

FINAL ALC GRADE : 3B
 MAIN LIMITATION : Wetness

SOIL PIT DESCRIPTION

Site Name : HANTS STRUCTURE 4 MARKS Pit Number : 3P

Grid Reference: SU68323465 Average Annual Rainfall : 932 mm
 Accumulated Temperature : 1324 degree days
 Field Capacity Level : 202 days
 Land Use : Permanent Grass
 Slope and Aspect : degrees

| HORIZON | TEXTURE | COLOUR | STONES >2 | TOT.STONE | LITH | MOTTLES | STRUCTURE | CONSIST | SUBSTRUCTURE | CALC |
|---------|---------|-----------|-----------|-----------|------|---------|-----------|---------|--------------|------|
| 0- 21 | MZCL | 10YR42 43 | 2 | 5 | HR | | | | | |
| 21- 31 | MZCL | 10YR43 44 | 0 | 8 | HR | C | MDCSAB | FR | M | |
| 31- 46 | MZCL | 10YR63 00 | 0 | 10 | HR | C | MDCSAB | FM | M | |
| 46- 75 | C | 05YR46 00 | 0 | 15 | HR | F | MDCAB | FM | P | |
| 75- 90 | C | 05YR73 00 | 0 | 0 | | C | | | P | |
| 90-120 | SC | 75YR68 00 | 0 | 0 | | C | | | P | |

Wetness Grade : 3B Wetness Class : IV
 Gleying : 31 cm
 SPL : 46 cm

Drought Grade : APW : mm MBW : 0 mm
 APP : mm MBP : 0 mm

FINAL ALC GRADE : 3B
 MAIN LIMITATION : Wetness

SOIL PIT DESCRIPTION

Site Name : HANTS STRUCTURE 4 MARKS Pit Number : 4P

Grid Reference: SU66883578 Average Annual Rainfall : 932 mm
 Accumulated Temperature : 1324 degree days
 Field Capacity Level : 202 days
 Land Use :
 Slope and Aspect : degrees

| HORIZON | TEXTURE | COLOUR | STONES >2 | TOT.STONE | LITH | MOTTLES | STRUCTURE | CONSIST | SUBSTRUCTURE | CALC |
|---------|---------|-----------|-----------|-----------|------|---------|-----------|---------|--------------|------|
| 0- 26 | MZCL | 10YR43 00 | 3 | 10 | HR | | | | | |
| 26- 40 | C | 05YR46 00 | 0 | 15 | HR | C | MDCAB | FM | P | |
| 40-120 | C | 05YR46 58 | 0 | 10 | HR | C | MDCAB | FM | P | |

Wetness Grade : 3B Wetness Class : IV
 Gleying : S26 cm
 SPL : 26 cm

Drought Grade : 1 APW : 129mm MBW : 50 mm
 APP : 107mm MBP : 43 mm

FINAL ALC GRADE : 3B
 MAIN LIMITATION : Wetness

SOIL PIT DESCRIPTION

Site Name : HANTS STRUCTURE 4 MARKS Pit Number : 5P

Grid Reference: SU66593550 Average Annual Rainfall : 932 mm
 Accumulated Temperature : 1324 degree days
 Field Capacity Level : 202 days
 Land Use : Wheat
 Slope and Aspect : 1 degrees W

| HORIZON | TEXTURE | COLOUR | STONES >2 | TOT.STONE | LITH | MOTTLES | STRUCTURE | CONSIST | SUBSTRUCTURE | CALC |
|---------|---------|-----------|-----------|-----------|------|---------|-----------|---------|--------------|------|
| 0- 23 | MZCL | 10YR43 00 | 3 | 10 | HR | | | | | |
| 23- 30 | HZCL | 75YR54 56 | 0 | 10 | HR | C | | FM | P | |
| 30- 95 | C | 05YR46 00 | 0 | 8 | HR | C | STCAB | FM | M | |

Wetness Grade : 3B Wetness Class : IV
 Gleying : S23 cm
 SPL : 23 cm

Drought Grade : 1 APW : 113mm MBW : 34 mm
 APP : 110mm MBP : 46 mm

FINAL ALC GRADE : 3B
 MAIN LIMITATION : Wetness

SOIL PIT DESCRIPTION

Site Name : HANTS STRUCTURE 4 MARKS Pit Number : 6P

Grid Reference: SU65223551 Average Annual Rainfall : 932 mm
 Accumulated Temperature : 1324 degree days
 Field Capacity Level : 202 days
 Land Use : Permanent Grass
 Slope and Aspect : 2 degrees W

| HORIZON | TEXTURE | COLOUR | STONES >2 | TOT.STONE | LITH | MOTTLES | STRUCTURE | CONSIST | SUBSTRUCTURE | CALC |
|---------|---------|-----------|-----------|-----------|------|---------|-----------|---------|--------------|------|
| 0- 14 | MZCL | 10YR43 00 | 3 | 8 | HR | | | | | Y |
| 14- 25 | HZCL | 10YR44 00 | 0 | 8 | HR | | | | M | Y |
| 25- 55 | CH | 10YR81 00 | 0 | 2 | HR | | | | P | Y |
| 55-120 | CH | 10YR81 00 | 0 | 2 | HR | | | | P | Y |

Wetness Grade : 2 Wetness Class : I
 Gleying : cm
 SPL : cm

Drought Grade : 3A APW : 69mm MBW : -10 mm
 APP : 71mm MBP : 7 mm

FINAL ALC GRADE : 3A
 MAIN LIMITATION : Droughtiness

SOIL PIT DESCRIPTION

Site Name : HANTS STRUCTURE 4 MARKS Pit Number : 7P

Grid Reference: SU67263367 Average Annual Rainfall : 932 mm
 Accumulated Temperature : 1324 degree days
 Field Capacity Level : 202 days
 Land Use : Permanent Grass
 Slope and Aspect : degrees W

| HORIZON | TEXTURE | COLOUR | STONES >2 | TOT.STONE | LITH | MOTTLES | STRUCTURE | CONSIST | SUBSTRUCTURE | CALC |
|---------|---------|-----------|-----------|-----------|------|---------|-----------|---------|--------------|------|
| 0- 20 | MZCL | 10YR42 43 | 5 | 8 | HR | | | | | |
| 20- 40 | MZCL | 10YR44 00 | 0 | 18 | HR | | MDCSAB | FR | M | |
| 40- 60 | HZCL | 10YR44 00 | 0 | 60 | HR | | | FR | M | |

Wetness Grade : 2 Wetness Class : I
 Gleying : cm
 SPL : cm
 Drought Grade : 3A APW : 75mm MBW : -4 mm
 APP : 78mm MBP : 14 mm

FINAL ALC GRADE : 3A
 MAIN LIMITATION : Droughtiness

SOIL PIT DESCRIPTION

Site Name : HANTS STRUCTURE 4 MARKS Pit Number : 8P

Grid Reference: SU66443386 Average Annual Rainfall : 932 mm
 Accumulated Temperature : 1324 degree days
 Field Capacity Level : 202 days
 Land Use : Permanent Grass
 Slope and Aspect : 2 degrees S

| HORIZON | TEXTURE | COLOUR | STONES >2 | TOT.STONE | LITH | MOTTLES | STRUCTURE | CONSIST | SUBSTRUCTURE | CALC |
|---------|---------|-----------|-----------|-----------|------|---------|-----------|---------|--------------|------|
| 0- 25 | MZCL | 10YR43 44 | 3 | 8 | HR | | | | | |
| 25- 38 | HCL | 75YR56 00 | 0 | 10 | HR | C | MDCAB | FR | M | |
| 38- 70 | C | 75YR58 00 | 0 | 8 | HR | C | MDMPR | FM | P | |

Wetness Grade : 3B Wetness Class : IV
 Gleying : S25 cm
 SPL : 25 cm

Drought Grade : APW : mm MBW : 0 mm
 APP : mm MBP : 0 mm

FINAL ALC GRADE : 3B
 MAIN LIMITATION : Wetness

| SAMPLE NO. | GRID REF | ASPECT USE | --WETNESS-- | | | | -WHEAT- | | -POTS- | | M. REL | | EROSN EXP | FROST DIST | CHEM LIMIT | ALC | COMMENTS |
|------------|------------|------------|-------------|------|-----|-------|---------|-----|--------|-----|--------|-----|-----------|------------|------------|-----|----------------|
| | | | GRDNT | GLEY | SPL | CLASS | GRADE | AP | MB | AP | MB | DRT | | | | | |
| 1 | SU65023502 | PGR | | S30 | 55 | 3 | 4 | | 0 | 0 | | | | | WE | 4 | SEE 2P |
| 1P | SU65853470 | MZE | | 27 | 60 | 4 | 3B | 111 | 32 | 114 | 50 | 1 | | | WE | 3B | PIT 85 |
| 2 | SU65023526 | PGR | | 45 | 45 | 3 | 3B | | 0 | 0 | | | | | WE | 3B | SEE 1P |
| 2P | SU66703648 | LEY | | S 0 | 38 | 4 | 3B | 92 | 13 | 104 | 40 | 2 | | | WE | 3B | PIT 70 |
| 3 | SU65003550 | PGR W | 1 | S45 | 45 | 3 | 3B | | 0 | 0 | | | | | WE | 3B | SEE 4P |
| 3P | SU68323465 | PGR | | 31 | 46 | 4 | 3B | | 0 | 0 | | | | | WE | 3B | PIT 65 AUG 120 |
| 4 | SU65573460 | PGR SW | 2 | S50 | 50 | 3 | 3B | | 0 | 0 | | | | | WE | 3B | SEE 4P |
| 4P | SU66883578 | NA | | S26 | 26 | 4 | 3B | 129 | 50 | 107 | 43 | 1 | | | WE | 3B | FACE TO 200cm |
| 5 | SU65853475 | PGR | | S25 | 45 | 3 | 3A | | 0 | 0 | | | | | WE | 3A | SEE 2P/1P |
| 5P | SU66593550 | WHT W | 1 | S23 | 23 | 4 | 3B | 113 | 34 | 110 | 46 | 1 | | | WE | 3B | PIT IMP 95 |
| 6 | SU65733518 | MZE W | 1 | 25 | 45 | 4 | 3B | | 0 | 0 | | | | | WE | 3B | SEE 3P |
| 6P | SU65223551 | PGR W | 2 | | | 1 | 2 | 69 | -10 | 71 | 7 | 3A | | | DR | 3A | 30cm CH ROOT |
| 7 | SU65533490 | PGR W | 3 | | | 1 | 3A | | 0 | 0 | | | | | WK | 3A | SEE 6P |
| 7P | SU67263367 | PGR W | | | | 1 | 2 | 75 | -4 | 78 | 14 | 3A | | | DR | 3A | PIT IMP 65 |
| 8 | SU65603476 | PGR W | 3 | S25 | 43 | 3 | 3A | | 0 | 0 | | | | | WE | 3A | SEE 2P |
| 8P | SU66443386 | PGR S | 2 | S25 | 25 | 4 | 3B | | 0 | 0 | | | | | WE | 3B | PIT 70 AUG 100 |
| 9 | SU66053500 | PGR E | 2 | 28 | 28 | 4 | 3B | | 0 | 0 | | | | | WE | 3B | SEE 1P |
| 10 | SU65183507 | PGR E | 4 | | | 1 | 2 | 57 | -22 | 57 | -7 | 3B | | | DR | 3A | IMP 35 SEE 7P |
| 11 | SU66293512 | PGR | | | | 1 | 2 | 49 | -30 | 49 | -15 | 3B | | | DR | 3A | IMP 25 SEE 7P |
| 12 | SU66003632 | PGR N | 2 | S30 | 30 | 4 | 3B | | 0 | 0 | | | | | WE | 3B | SEE 4P |
| 13 | SU66243626 | WHT W | 2 | 30 | 30 | 4 | 3B | | 0 | 0 | | | | | WE | 3B | SEE 1P |
| 14 | SU66183605 | BNS W | 1 | 30 | 30 | 4 | 3B | | 0 | 0 | | | | | WE | 3B | SEE 1P |
| 15 | SU68123467 | PGR | | 55 | 70 | 3 | 3A | | 0 | 0 | | | | | WE | 3A | SEE 3P |
| 16 | SU68303467 | PGR | | 35 | 50 | 4 | 3B | | 0 | 0 | | | | | WE | 3B | SEE 3P |
| 17 | SU68423475 | PGR | | S25 | 25 | 4 | 3B | | 0 | 0 | | | | | WE | 3B | SEE 4P |
| 18 | SU68403491 | PGR N | 3 | | | 1 | 2 | 52 | -27 | 52 | -12 | 3B | | | DR | 3A | IMP 30 SEE 7P |
| 19 | SU68623468 | PGR SE | 2 | 55 | | 2 | 3A | | 0 | 0 | | | | | WE | 3A | IMP FLINTS 70 |
| 20 | SU68503452 | PGR SE | 2 | | | 1 | 2 | 53 | -26 | 53 | -11 | 3B | | | DR | 3A | IMP 30 SEE 7P |
| 21 | SU66953545 | PGR NW | 3 | | | 1 | 2 | 36 | -43 | 36 | -28 | 3B | | | DR | 3A | IMP 20 SEE 7P |
| 22 | SU66903550 | PGR W | 2 | | | 1 | 2 | 43 | -36 | 43 | -21 | 3B | | | DR | 3A | IMP 25 SEE 7P |
| 23 | SU66823552 | PGR SE | | | | 1 | 2 | 34 | -45 | 34 | -30 | 3B | | | DR | 3A | IMP 25 SEE 7P |
| 24 | SU66123598 | SAS SW | | S25 | 25 | 4 | 3B | 59 | -20 | 59 | -5 | 3A | | | WE | 3B | IMP 40 SEE 4P |
| 25 | SU66023582 | SAS SW | | S55 | 55 | 3 | 3B | | 0 | 0 | | | | | WE | 3B | SEE 4P |
| 26 | SU66303595 | LEY S | 2 | | | 1 | 2 | 52 | -27 | 52 | -12 | 3B | | | DR | 3A | IMP 30 SEE 7P |
| 27 | SU66423601 | LEY S | 1 | | | 1 | 2 | | 0 | 0 | | | | | DR | 3A | IMP 25 SEE 7P |
| 28 | SU66553607 | PGR SE | 2 | | | 1 | 2 | | 0 | 0 | | | | | DR | 3A | IMP 37 SEE 7P |
| 29 | SU66653614 | PGR S | 2 | | | 1 | 2 | | 0 | 0 | | | | | DR | 3A | IMP 39 SEE 7P |
| 30 | SU68353391 | PGR W | 5 | | | 1 | 2 | 50 | -29 | 50 | -14 | 3B | | | DR | 3A | IMP 30 SEE 7P |
| 31 | SU68303382 | PGR W | 3 | | | 1 | 2 | | 0 | 0 | | | | | DR | 3A | IMP 35 SEE 7P |
| 32 | SU66573565 | WHT NW | 2 | 28 | 35 | 4 | 3B | | 0 | 0 | | | | | WE | 3B | IMP 55 SEE 2P |
| 33 | SU66453551 | WHT W | 2 | S30 | 30 | 4 | 3B | | 0 | 0 | | | | | WE | 3B | IMP 90 SEE 2P |
| 34 | SU66313560 | WHT W | 1 | | | 1 | 2 | | 0 | 0 | | | | | DR | 3A | IMP 30 SEE 7P |

| SAMPLE NO. | GRID REF | USE | ASPECT | --WETNESS-- | | | | -WHEAT- | | -POTS- | | M.REL | | EROSN EXP | FROST DIST | CHEM LIMIT | ALC | COMMENTS |
|------------|------------|-----|--------|-------------|------|-----|-------|---------|-----|--------|-----|-------|-----|-----------|------------|------------|----------------|----------|
| | | | | GRDNT | GLEY | SPL | CLASS | GRADE | AP | MB | AP | MB | DRT | | | | | |
| 35 | SU66283563 | WHT | SE | 2 | S30 | 30 | 4 | 3B | | 0 | 0 | | | | WE | 3B | IMP 30 SEE 4P | |
| 36 | SU66353550 | RGR | W | 1 | | | 1 | 2 | 34 | -45 | 34 | -30 | 3B | | DR | 3A | IMP 20 SEE 7P | |
| 37 | SU66453520 | WHT | SW | 2 | | | 1 | 2 | 41 | -38 | 41 | -23 | 3B | | DR | 3A | IMP 25 SEE 7P | |
| 38 | SU66393534 | WHT | SW | 2 | S35 | 35 | 4 | 3B | | 0 | 0 | | | | WE | 3B | IMP 55 SEE 2P | |
| 39 | SU66593550 | WHT | W | 1 | S28 | 35 | 4 | 3B | | 0 | 0 | | | | WE | 3B | IMP 35 SEE 4P | |
| 40 | SU67393594 | PGR | | | S25 | 25 | 4 | 4 | | 0 | 0 | | | | WE | 4 | IMP 75 SEE 4P | |
| 41 | SU67433565 | PGR | SE | 2 | 25 | 45 | 4 | 3B | | 0 | 0 | | | | WE | 3B | SEE 3P | |
| 42 | SU67693371 | PGR | S | 5 | S25 | 25 | 4 | 4 | | 0 | 0 | | | | WE | 4 | IMP 70 SEE 4P | |
| 43 | SU67863393 | PGR | E | 2 | 25 | 45 | 4 | 3B | | 0 | 0 | | | | WE | 3B | IMP 65 SEE 3P | |
| 44 | SU68073400 | PGR | SE | 4 | 0 | 50 | 4 | 3B | | 0 | 0 | | | | WE | 3B | IMP 65 SEE 3P | |
| 45 | SU68203382 | PGR | E | 5 | 25 | 45 | 4 | 3B | | 0 | 0 | | | | WE | 3B | SEE 3P | |
| 46 | SU67963380 | PGR | SE | 3 | | | 1 | 2 | 88 | 9 | 91 | 27 | 2 | | WD | 2 | IMP 55 SEE 7P | |
| 47 | SU67823375 | PGR | SE | 2 | 25 | 25 | 4 | 3B | | 0 | 0 | | | | WE | 3B | IMP 35 SEE 1P | |
| 48 | SU67853365 | PGR | SE | 5 | | | 1 | 2 | 90 | 11 | 96 | 32 | 2 | | WD | 2 | SEE 6P | |
| 49 | SU67013341 | PGR | N | 2 | 20 | 35 | 4 | 3B | | 0 | 0 | | | | WE | 3B | IMP 40 SEE 3P | |
| 50 | SU67343325 | STB | N | 1 | 25 | | 3 | 3A | | 0 | 0 | | | | WE | 3A | IMP 90 NO CLAY | |
| 51 | SU67233335 | STB | N | 1 | 25 | 25 | 4 | 3B | | 0 | 0 | | | | WE | 3B | SEE 1P | |
| 52 | SU67013322 | STB | N | 1 | S25 | 25 | 4 | 3B | | 0 | 0 | | | | WE | 3B | IMP 80 SEE 8P | |
| 53 | SU67003342 | PGR | NW | 1 | 25 | | 3 | 3A | | 0 | 0 | | | | DR | 3A | IMP 40 SEE 7P | |
| 54 | SU67183348 | PGR | N | 3 | 25 | | 3 | 3A | | 0 | 0 | | | | WD | 3A | IMP40 SEE7P/3P | |
| 55 | SU67153358 | PGR | N | 4 | 23 | 23 | 4 | 3B | | 0 | 0 | | | | WE | 3B | IMP 50 SEE 1P | |
| 56 | SU67423348 | STB | N | 2 | S28 | 28 | 4 | 3B | | 0 | 0 | | | | WE | 3B | IMP 80 SEE 4P | |
| 57 | SU68053492 | PGR | E | 1 | 25 | 35 | 4 | 3B | | 0 | 0 | | | | WE | 3B | SEE 3P | |
| 58 | SU68503380 | LEY | NW | 3 | S30 | 30 | 4 | 3B | | 0 | 0 | | | | WE | 3B | SEE 4P | |
| 59 | SU68423359 | PGR | W | 1 | S23 | 23 | 4 | 3B | | 0 | 0 | | | | WE | 3B | SEE 4P | |
| 60 | SU68163344 | RGR | SW | 2 | S25 | 25 | 4 | 3B | | 0 | 0 | | | | WE | 3B | IMP 65 SEE 4P | |
| 61 | SU68153356 | RGR | NW | 3 | 25 | 25 | 4 | 3B | | 0 | 0 | | | | WE | 3B | IMP 70 SEE 8P | |
| 62 | SU68273347 | RGR | NW | 5 | 23 | 23 | 4 | 3B | | 0 | 0 | | | | WE | 3B | IMP 55 SEE 8P | |
| 63 | SU67263367 | PGR | | | | | 1 | 2 | 65 | -14 | 65 | 1 | 3A | | DR | 3A | IMP 40 SEE 7P | |
| 64 | SU67233375 | PGR | SE | 3 | S25 | 25 | 4 | 3B | | 0 | 0 | | | | WE | 3B | SEE 4P | |
| 65 | SU67343385 | PGR | SE | 2 | 25 | 25 | 4 | 3B | | 0 | 0 | | | | WE | 3B | IMP 85 SEE 1P | |
| 66 | SU67513407 | PGR | | | S 0 | 25 | 4 | 3B | | 0 | 0 | | | | WE | 3B | SEE 4P | |
| 67 | SU67653434 | PGR | | | S25 | 25 | 4 | 3B | | 0 | 0 | | | | WE | 3B | SEE 4P | |
| 68 | SU67773432 | PGR | SW | 3 | | | 1 | 2 | 77 | -2 | 77 | 13 | 3A | | DR | 3A | IMP 50 SEE 7P | |
| 69 | SU67973435 | PGR | S | 2 | S25 | 45 | 3 | 3A | | 0 | 0 | | | | WE | 3A | SEE 2P | |
| 70 | SU67813426 | PGR | W | 5 | S25 | 65 | 3 | 3A | | 0 | 0 | | | | WE | 3A | SEE 2P | |
| 71 | SU66533322 | PLO | N | 2 | 30 | 30 | 4 | 3B | | 0 | 0 | | | | WE | 3B | SEE 1P | |
| 72 | SU66173312 | PLO | NE | 1 | | | 1 | 2 | 105 | 26 | 118 | 54 | 2 | | WD | 2 | IMP 70 SEE 7P | |
| 73 | SU66203341 | PLO | N | 1 | | | 1 | 2 | 65 | -14 | 65 | 1 | 3A | | DR | 3A | IMP 40 SEE 7P | |
| 74 | SU66273369 | PLO | N | 1 | 30 | 30 | 4 | 3B | | 0 | 0 | | | | WE | 3B | IMP 70 SEE 1P | |
| 75 | SU66523370 | PLO | N | 2 | 30 | | 3 | 3A | 92 | 13 | 103 | 39 | 2 | | WD | 3A | IMP70 SEE7P/3P | |
| 76 | SU66613351 | PLO | NE | 1 | | | 1 | 2 | 70 | -9 | 70 | 6 | 3A | | DR | 3A | IMP 50 SEE 7P | |

| SAMPLE NO. | GRID REF | ASPECT USE | --WETNESS-- | | | | | | -WHEAT- | | -POTS- | | M. REL | | EROSN | FROST | CHEM | ALC | COMMENTS |
|------------|------------|------------|-------------|------|-----|-------|-------|-----|---------|-----|--------|-----|--------|-----|-------|-------|------|-----|----------------|
| | | | GRDNT | GLEY | SPL | CLASS | GRADE | AP | MB | AP | MB | DRT | FLOOD | EXP | DIST | LIMIT | | | |
| 77 | SU66423330 | PLO N | 2 | 30 | 45 | 4 | 3B | | 0 | 0 | | | | | | | WE | 3B | IMP 90 SEE 3P |
| 78 | SU66693323 | PGR NW | 2 | 28 | 28 | 4 | 3B | | 0 | 0 | | | | | | | WE | 3B | IMP 70 SEE 1P |
| 79 | SU66793316 | PGR N | 1 | 25 | 25 | 4 | 3B | | 0 | 0 | | | | | | | WE | 3B | SEE 1P |
| 80 | SU66883353 | PGR N | 4 | | | 1 | 2 | 57 | -22 | 57 | -7 | 3B | | | | | DR | 3A | IMP 30 SEE 7P |
| 81 | SU66753644 | LEY | | S 0 | 29 | 4 | 3B | | 0 | 0 | | | | | | | WE | 3B | IMP 55 SEE 2P |
| 82 | SU66663664 | LEY | | | | 1 | 2 | 54 | -25 | 54 | -10 | 3B | | | | | DR | 3A | IMP 30 SEE 7P |
| 83 | SU66633676 | LEY | | S 0 | 29 | 4 | 3B | | 0 | 0 | | | | | | | WE | 3B | SEE 4P |
| 84 | SU66193672 | LEY | | S25 | 25 | 4 | 3B | | 0 | 0 | | | | | | | WE | 3B | SEE 4P |
| 85 | SU66433665 | PGR | | S50 | 50 | 3 | 3A | | 0 | 0 | | | | | | | WE | 3A | SEE 3P |
| 86 | SU66253655 | PGR | | S50 | 65 | 3 | 3A | | 0 | 0 | | | | | | | WE | 3A | SEE 2P |
| 87 | SU66383642 | PGR | | S27 | 40 | 4 | 3B | | 0 | 0 | | | | | | | WE | 3B | SEE 2P |
| 88 | SU66553639 | PGR | | S 0 | 50 | 3 | 3A | | 0 | 0 | | | | | | | WE | 3A | IMP 60 SEE 2P |
| 89 | SU66823632 | LEY | | S30 | 30 | 4 | 3B | | 0 | 0 | | | | | | | WE | 3B | IMP 40 SEE 4P |
| 90 | SU66113650 | PGR | | | | 1 | 2 | 78 | -1 | 78 | 14 | 3A | | | | | DR | 3A | IMP 50 SEE 7P |
| 91 | SU66123648 | PGR | | | | 1 | 2 | 49 | -30 | 49 | -15 | 3B | | | | | DR | 3A | IMP 30 SEE 7P |
| 92 | SU65983651 | WHT | | S27 | 27 | 4 | 3B | | 0 | 0 | | | | | | | WE | 3B | IMP 30 SEE 4P |
| 93 | SU65883665 | WHT | | S 0 | 45 | 4 | 3B | | 0 | 0 | | | | | | | WE | 3B | SEE 2P |
| 94 | SU65423482 | PGR W | 6 | | | 1 | 2 | | 0 | 0 | | | | | | | DR | 3A | SEE 6P |
| 95 | SU65683528 | MZE | | | 50 | 60 | 3 | 3A | | 0 | 0 | | | | | | WE | 3A | SEE 3P |
| 96 | SU65943528 | PGR E | 1 | 20 | 40 | 4 | 3B | | 0 | 0 | | | | | Y | | WE | 3B | LARGE TSTNS 1P |
| 97 | SU66123532 | GRA E | 3 | 25 | 25 | 4 | 3B | | 0 | 0 | | | | | Y | | WE | 3B | LARGE TSTNS 1P |
| 98 | SU65853387 | PLO | | 30 | | 3 | 3A | | 0 | 0 | | | | | | | WE | 3A | IMP 80 SEE 3P |
| 99 | SU65763404 | PLO | | 30 | 50 | 4 | 3B | | 0 | 0 | | | | | | | WE | 3B | SEE 3P |
| 100 | SU65893425 | PLO | | S30 | 65 | 3 | 3A | | 0 | 0 | | | | | | | WE | 3A | IMP 80 SEE 2P |
| 101 | SU66063436 | PGR | | S25 | 25 | 4 | 3B | | 0 | 0 | | | | | | | WE | 3B | IMP 75 SEE 4P |
| 102 | SU65763436 | PLO | | S28 | 28 | 4 | 3B | | 0 | 0 | | | | | | | WE | 3B | IMP 70 SEE 4P |
| 103 | SU66183391 | PGR S | 1 | | | 1 | 2 | 50 | -29 | 50 | -14 | 3B | | | | | DR | 3A | IMP 30 SEE 7P |
| 104 | SU66303402 | PGR SE | 1 | 25 | 35 | 4 | 3B | | 0 | 0 | | | | | | | WE | 3B | SEE 3P |
| 105 | SU66493392 | PGR S | 1 | 25 | 25 | 4 | 3B | | 0 | 0 | | | | | | | WE | 3B | IMP 55 SEE 1P |
| 106 | SU66443386 | PGR SW | 5 | S25 | 25 | 4 | 3B | | 0 | 0 | | | | | | | WE | 3B | SEE 4P |
| 107 | SU66573385 | PGR S | 4 | S25 | 25 | 4 | 3B | | 0 | 0 | | | | | | | WE | 3B | IMP55 SEE7P/2P |
| 108 | SU66653372 | PGR | | | | 1 | 2 | | 0 | 0 | | | | | | | DR | 3A | IMP 25 SEE 7P |
| 109 | SU65473577 | PGR W | 2 | S30 | 30 | 4 | 3B | | 0 | 0 | | | | | | | WE | 3B | SEE 4P |
| 110 | SU65323573 | PGR W | 2 | | | 1 | 2 | 86 | 7 | 90 | 26 | 2 | | | | | WD | 2 | SEE 6P |
| 111 | SU65223564 | PGR SW | 2 | | | 1 | 2 | 80 | 1 | 83 | 19 | 3A | | | | | DR | 3A | SEE 6P |
| 112 | SU65243575 | PGR SW | 2 | | | 1 | 2 | 49 | -30 | 49 | -15 | 3B | | | | | DR | 3A | IMP 30 SEE 7P |
| 113 | SU65223551 | PGR W | 4 | | | 1 | 2 | 65 | -14 | 65 | 1 | 3A | | | | | DR | 3A | SEE 6P |
| 114 | SU65253535 | PGR SW | 2 | | | 1 | 2 | 60 | -19 | 60 | -4 | 3A | | | | | DR | 3A | IMP 35 SEE 7P |
| 115 | SU65153525 | PGR E | 4 | S70 | 70 | 3 | 3A | | 0 | 0 | | | | | | | WE | 3A | IMP 90 SEE 3P |
| 116 | SU65163537 | PGR E | 4 | S25 | 25 | 4 | 3B | | 0 | 0 | | | | | | | WE | 3B | SEE 5P |
| 117 | SU65173550 | PGR | | | | 1 | 2 | 106 | 27 | 119 | 55 | 2 | | | | | WD | 2 | IMP 70 SEE 7P |
| 118 | SU65103562 | PGR | | | | 1 | 2 | 102 | 23 | 101 | 37 | 2 | | | | | WD | 2 | SEE 6P |

| SAMPLE NO. | GRID REF | ASPECT USE | --WETNESS-- | | | | | -WHEAT- | | -POTS- | | M.REL | | EROSN | FROST | CHEM | ALC | COMMENTS |
|------------|------------|------------|-------------|------|-----|-------|-------|---------|-----|--------|-----|-------|-------|-------|-------|-------|-----|----------------|
| | | | GRDNT | GLEY | SPL | CLASS | GRADE | AP | MB | AP | MB | DRT | FLOOD | EXP | DIST | LIMIT | | |
| 119 | SU65963580 | PLO E | 2 | 60 | 60 | 3 | 3A | | 0 | 0 | | | | | | WE | 3A | IMP 100 SEE 2P |
| 120 | SU65713583 | PLO | | 50 | 50 | 3 | 3A | | 0 | 0 | | | | | | WE | 3A | SEE 3P |
| 121 | SU68503452 | PGR NE | 1 | 30 | 55 | 4 | 3B | | 0 | 0 | | | | | | WE | 3B | IMP 90 SEE 3P |
| 122 | SU68283391 | PGR SW | 5 | | | 1 | 2 | 53 | -26 | 53 | -11 | 3B | | | | DR | 3A | IMP 30 SEE 7P |
| 123 | SU68293391 | PGR SW | 5 | S30 | 30 | 4 | 3B | | 0 | 0 | | | | | | WE | 3B | IMP 30 SEE 8P |
| 124 | SU68283381 | PGR SW | 5 | | | 1 | 2 | 87 | 8 | 89 | 25 | 2 | | | | WD | 2 | IMP 55 SEE 7P |
| 125 | SU68573414 | PGR | | S28 | 28 | 4 | 3B | | 0 | 0 | | | | | | WE | 3B | IMP 105 SEE 8P |
| 126 | SU67413455 | PGR | | S45 | 45 | 3 | 3A | 133 | 54 | 111 | 47 | 1 | | | | WE | 3A | SEE 2P |
| 127 | SU66903392 | LEY | | 55 | 65 | 3 | 3A | | 0 | 0 | | | | | | WE | 3A | SEE 3P |
| 128 | SU67003407 | LEY | | S25 | 25 | 4 | 3B | | 0 | 0 | | | | | | WE | 3B | SEE 5P/8P |
| 129 | SU66873410 | LEY NW | 3 | S30 | 30 | 4 | 3B | | 0 | 0 | | | | | | WE | 3B | IMP 90 SEE 4P |
| 130 | SU67353466 | PGR NW | 3 | S35 | 55 | 3 | 3A | | 0 | 0 | | | | | | WE | 3A | SEE 2P/3P |
| 131 | SU67253457 | PGR NW | 1 | | | 1 | 2 | 45 | -34 | 45 | -19 | 3B | | | | DR | 3A | IMP 25 SEE 7P |
| 132 | SU67113452 | PGR SE | 3 | S28 | 45 | 3 | 3A | | 0 | 0 | | | | | | WE | 3A | IMP 80 SEE 2P |
| 133 | SU67023445 | PGR SE | 3 | 25 | 33 | 4 | 3B | | 0 | 0 | | | | | | WE | 3B | IMP 75 SEE 2P |
| 134 | SU67073439 | PGR SE | 3 | | | 1 | 2 | 56 | -23 | 56 | -8 | 3B | | | | DR | 3A | IMP 35 SEE 7P |
| 135 | SU67113432 | PGR NW | 4 | S30 | 30 | 4 | 3B | | 0 | 0 | | | | | | WE | 3B | SEE 4P |
| 136 | SU67613472 | PGR | | S45 | 45 | 3 | 3A | | 0 | 0 | | | | | | WE | 3A | IMP 65 SEE 2P |
| 137 | SU67623480 | PGR N | 3 | 55 | | 2 | 3A | 105 | 26 | 118 | 54 | 2 | | | | WE | 3A | IMP 70 SEE 2P |
| 138 | SU67553490 | PGR NW | 1 | | | 1 | 2 | 43 | -36 | 43 | -21 | 3B | | | | DR | 3A | IMP 25 SEE 7P |
| 139 | SU67593500 | PGR S | 3 | 45 | | 2 | 3A | 90 | 11 | 96 | 32 | 2 | | | | WD | 3A | IMP 60 SEE 7P |
| 140 | SU66363600 | PGR S | 2 | S30 | 30 | 4 | 3B | | 0 | 0 | | | | | | WE | 3B | IMP 80 SEE 4P |

| SAMPLE | DEPTH | TEXTURE | COLOUR | -----MOTTLES----- | | PED | | -----STONES----- | | STRUCT/ | SUBS | SPL | CALC | | | |
|--------|---------|---------|-----------|-------------------|------|-----------|------|------------------|----|---------|------|-------------|-----------------|-----------------|-----------------|-----------------|
| | | | | COL | ABUN | CONT | COL. | GLY | >2 | | | | | >6 | LITH | TOT |
| 1 | 0-30 | c | 10YR43 00 | | | | | 0 | 0 | HR | 5 | | SEE 2P | | | |
| | 30-55 | c | 10YR44 00 | 10YR58 00 | M | 00M00 00 | S | 0 | 0 | HR | 5 | M | SLIGHTLY GLEYED | | | |
| | 55-100 | c | 10YR53 52 | 10YR58 00 | M | 00M00 00 | Y | 0 | 0 | HR | 5 | P | Y | | | |
| | 100-120 | c | 05Y 51 00 | 10YR58 00 | M | 05YR58 00 | Y | 0 | 0 | HR | 5 | P | Y | | | |
| 1P | 0-27 | mzc1 | 10YR43 00 | | | | | 1 | 0 | HR | 8 | | | | | |
| | 27-60 | c | 25YR46 00 | 75YR53 00 | C | 00M00 00 | Y | 0 | 0 | HR | 3 | MDCSAB FR M | Y | Y | | |
| | 60-69 | c | 25YR46 00 | 75YR53 00 | C | | Y | 0 | 0 | HR | 3 | STCAB FR M | Y | Y | | |
| | 69-85 | c | 75YR54 64 | 05YR56 00 | C | 00M00 00 | S | 0 | 0 | HR | 2 | STCAB FR M | Y | Y | SLIGHTLY GLEYED | |
| 2 | 0-27 | hc1 | 10YR43 00 | | | | | 0 | 0 | HR | 5 | | SEE 1P | | | |
| | 27-45 | c | 10YR58 00 | 00M00 00 | F | | | 0 | 0 | HR | 10 | M | | | | |
| | 45-60 | c | 10YR53 54 | 10YR58 00 | M | 00M00 00 | Y | 0 | 0 | HR | 10 | P | Y | | | |
| | 60-75 | c | 10YR44 00 | 00M00 00 | M | 10YR58 00 | Y | 0 | 0 | HR | 20 | P | Y | | | |
| 2P | 0-27 | mzc1 | 10YR43 00 | 10YR56 00 | C | | | S | 6 | 0 | HR | 10 | | SLIGHTLY GLEYED | | |
| | 27-38 | mzc1 | 75YR54 00 | 75YR58 00 | C | | | S | 0 | 0 | HR | 5 | MDCSAB FR M | SLIGHTLY GLEYED | | |
| | 38-70 | c | 05YR46 00 | 05YR58 00 | C | | | S | 0 | 0 | HR | 5 | MDCAB FM P | Y | Y | SLIGHTLY GLEYED |
| 3 | 0-25 | hc1 | 10YR43 00 | | | | | 0 | 0 | HR | 5 | | SEE 4P | | | |
| | 25-45 | c | 10YR44 00 | 00M00 00 | F | | | 0 | 0 | HR | 10 | M | | | | |
| | 45-100 | c | 75YR54 56 | 05YR58 00 | C | 00M00 00 | S | 0 | 0 | HR | 10 | P | Y | SLIGHTLY GLEYED | | |
| 3P | 0-21 | mzc1 | 10YR42 43 | | | | | 2 | 0 | HR | 5 | | | | | |
| | 21-31 | mzc1 | 10YR43 44 | | C | 00M00 00 | | 0 | 0 | HR | 8 | MDCSAB FR M | | | | |
| | 31-46 | mzc1 | 10YR63 00 | 10YR68 00 | C | 00M00 00 | Y | 0 | 0 | HR | 10 | MDCSAB FM M | | | | |
| | 46-75 | c | 05YR46 00 | 75YR58 00 | F | 00M00 00 | S | 0 | 0 | HR | 15 | MDCAB FM P | Y | Y | BREAKS TO STMB | |
| | 75-90 | c | 05YR73 00 | 05YR68 00 | C | | Y | 0 | 0 | | 0 | P | Y | AUGERED ONLY | | |
| | 90-120 | sc | 75YR68 00 | 10YR74 00 | C | | Y | 0 | 0 | | 0 | P | Y | AUGERED ONLY | | |
| 4 | 0-25 | hc1 | 10YR43 00 | | | | | 0 | 0 | HR | 7 | | SEE 4P | | | |
| | 25-50 | c | 75YR58 00 | 00M00 00 | M | | | 0 | 0 | HR | 5 | M | | | | |
| | 50-65 | c | 25YR46 56 | 10YR53 63 | F | 00M00 00 | S | 0 | 0 | HR | 5 | M | Y | | | |
| | 65-70 | c | 25YR46 56 | 10YR53 63 | C | 00M00 00 | Y | 0 | 0 | HR | 5 | P | Y | | | |
| 4P | 0-26 | mzc1 | 10YR43 00 | | | | | 3 | 0 | HR | 10 | | | | | |
| | 26-40 | c | 05YR46 00 | 75YR58 00 | C | | | S | 0 | 0 | HR | 15 | MDCAB FM P | Y | Y | BREAKS TO STMB |
| | 40-120 | c | 05YR46 58 | 00M00 00 | C | 05YR46 00 | S | 0 | 0 | HR | 10 | MDCAB FM P | Y | Y | SLIGHTLY GLEYED | |
| 5 | 0-25 | mzc1 | 10YR43 00 | | | | | 0 | 0 | HR | 5 | | SEE 2P/1P | | | |
| | 25-45 | mzc1 | 10YR44 00 | 10YR56 00 | C | | | S | 0 | 0 | HR | 15 | M | SLIGHTLY GLEYED | | |
| | 45-55 | c | 10YR53 00 | 75YR58 00 | C | 00M00 00 | Y | 0 | 0 | HR | 5 | P | Y | | | |
| | 55-80 | c | 25YR46 56 | 10YR53 00 | C | 00M00 00 | Y | 0 | 0 | HR | 5 | P | Y | | | |
| | 80-100 | c | 25YR46 56 | 10YR53 00 | M | | Y | 0 | 0 | | 0 | P | Y | | | |
| 5P | 0-23 | mzc1 | 10YR43 00 | | | | | 3 | 0 | HR | 10 | | | | | |
| | 23-30 | hzc1 | 75YR54 56 | 75YR58 00 | C | | | S | 0 | 0 | HR | 10 | FM P | Y | SLIGHTLY GLEYED | |
| | 30-95 | c | 05YR46 00 | 75YR58 00 | C | 00M00 00 | Y | 0 | 0 | HR | 8 | STCAB FM M | Y | Y | | |

| SAMPLE | DEPTH | TEXTURE | COLOUR | -----MOTTLES----- | | | PED | | -----STONES----- | | | STRUCT/ CONSIST | SUBS | | | CALC | | |
|--------|--------|---------|-----------|-------------------|------|------|-------------|-------|------------------|----|------|--------------------|--------|-----|-----|------|-----------------|--------------------|
| | | | | COL | ABUN | CONT | COL. | GLEYS | >2 | >6 | LITH | | TOT | STR | POR | | IMP | SPL |
| 6 | 0-25 | mzc1 | 10YR43 00 | | | | | | 2 | 0 | HR | 7 | | | | | | SEE 3P |
| | 25-45 | hzc1 | 10YR53 00 | 10YR58 00 C | | | 00M00 00 Y | 0 | 0 | HR | 10 | | M | | | | | |
| | 45-90 | c | 05YR46 00 | 10YR53 00 C | | | 00M00 00 Y | 0 | 0 | HR | 3 | | P | | | Y | | |
| 6P | 0-14 | mzc1 | 10YR43 00 | | | | | | 3 | 0 | HR | 8 | | | | | | Y |
| | 14-25 | hzc1 | 10YR44 00 | | | | | | 0 | 0 | HR | 8 | | M | | | | Y |
| | 25-55 | ch | 10YR81 00 | | | | | | 0 | 0 | HR | 2 | | P | | | | Y |
| | 55-120 | ch | 10YR81 00 | | | | | | 0 | 0 | HR | 2 | | P | | Y | Y | NO ROOTING VISIBLE |
| 7 | 0-23 | hc1 | 10YR43 00 | | | | | | 0 | 0 | HR | 5 | | | | | | SEE 6P |
| | 23-42 | c | 05YR46 00 | 00M00 00 F | | | | | 0 | 0 | | 0 | | M | | | | |
| | 42-80 | ch | 10YR81 00 | | | | | | 0 | 0 | HR | 5 | | P | | | | IMP HARD CH 70 |
| 7P | 0-20 | mzc1 | 10YR42 43 | | | | | | 5 | 2 | HR | 8 | | | | | | |
| | 20-40 | mzc1 | 10YR44 00 | | | | | | 0 | 0 | HR | 18 | MDCSAB | FR | M | | | |
| | 40-60 | hzc1 | 10YR44 00 | | | | | | 0 | 0 | HR | 60 | | | FR | M | | IMP FLINTS 65 |
| 8 | 0-25 | mzc1 | 10YR43 00 | | | | | | 0 | 0 | HR | 5 | | | | | | SEE 2P |
| | 25-43 | hzc1 | 10YR54 00 | 10YR58 00 C | | | 00M00 00 S | 0 | 0 | HR | 5 | | M | | | | | SLIGHTLY GLEYED |
| | 43-90 | c | 25YR46 56 | 75YR53 00 C | | | 00M00 00 Y | 0 | 0 | HR | 3 | | P | | | Y | | |
| 8P | 0-25 | mzc1 | 10YR43 44 | | | | | | 3 | 0 | HR | 8 | | | | | | |
| | 25-38 | hc1 | 75YR56 00 | 75YR58 68 C | | | 00M00 00 S | 0 | 0 | HR | 10 | MDCAB | FR | M | Y | | Y | SLIGHTLY GLEYED |
| | 38-70 | c | 75YR58 00 | 05YR58 00 C | | | 75YR54 00 S | 0 | 0 | HR | 8 | MDMPR | FM | P | Y | | Y | SLIGHTLY GLEYED |
| 9 | 0-28 | mzc1 | 10YR43 00 | | | | | | 0 | 0 | HR | 5 | | | | | | SEE 1P |
| | 28-55 | c | 10YR63 00 | 10YR58 00 C | | | 00M00 00 Y | 0 | 0 | HR | 10 | | M | | | Y | | |
| | 55-90 | c | 05YR46 00 | 75YR53 00 C | | | 00M00 00 Y | 0 | 0 | HR | 3 | | M | | | Y | | |
| 10 | 0-28 | mzc1 | 10YR43 53 | | | | | | 0 | 0 | HR | 10 | | | | | | SEE 7P |
| | 28-35 | mzc1 | 10YR54 00 | | | | | | 0 | 0 | HR | 25 | | M | | | | IMP FLINTS |
| 11 | 0-20 | z1 | 10YR43 53 | | | | | | 0 | 0 | HR | 10 | | | | | | SEE 7P |
| | 20-25 | z1 | 10YR54 00 | | | | | | 0 | 0 | HR | 30 | | M | | | | IMP FLINTS |
| 12 | 0-30 | mzc1 | 10YR43 53 | | | | | | 0 | 0 | HR | 5 | | | | | | SEE 4P |
| | 30-70 | c | 75YR56 00 | 75YR53 00 F | | | 00M00 00 S | 0 | 0 | HR | 12 | | P | | | Y | | |
| | 70-90 | c | 75YR53 00 | 75YR58 00 C | | | 00M00 00 Y | 0 | 0 | HR | 5 | | P | | | Y | | |
| | 90-120 | c | 05YR58 00 | 75YR53 00 C | | | 00M00 00 Y | 0 | 0 | HR | 5 | | P | | | Y | | |
| 13 | 0-30 | mzc1 | 10YR43 00 | | | | | | 0 | 0 | HR | 5 | | | | | | SEE 1P |
| | 30-55 | c | 75YR53 54 | 05YR46 00 C | | | 00M00 00 Y | 0 | 0 | HR | 5 | | P | | | Y | | |
| | 55-70 | c | 05YR46 00 | 75YR68 00 F | | | 00M00 00 S | 0 | 0 | HR | 5 | | P | | | Y | SLIGHTLY GLEYED | |
| 14 | 0-30 | mc1 | 10YR43 00 | | | | | | 0 | 0 | HR | 7 | | | | | | SEE 1P |
| | 30-50 | c | 75YR58 00 | 75YR53 00 C | | | 00M00 00 Y | 0 | 0 | HR | 10 | | P | | | Y | | |
| | 50-70 | c | 05YR56 00 | 75YR53 00 C | | | 00M00 00 Y | 0 | 0 | HR | 10 | | P | | | Y | | |

| SAMPLE | DEPTH | TEXTURE | COLOUR | -----MOTTLES----- | | | PED | | -----STONES----- | | | STRUCT/ CONSIST | SUBS | | | CALC | | |
|--------|--------|---------|-----------|-------------------|------|-------|------|--------|------------------|----|------|--------------------|------|-----|-----|------|-------------------|-----|
| | | | | COL | ABUN | CONT | COL. | GLE | >2 | >6 | LITH | | TOT | STR | POR | | IMP | SPL |
| 15 | 0-25 | mzc1 | 10YR43 00 | | | | | | 0 | 0 | HR | 3 | | | | | SEE 3P | |
| | 25-55 | mzc1 | 10YR54 00 | 10YR56 00 | F | 00M00 | 00 | 0 | 0 | HR | 5 | | M | | | | | |
| | 55-70 | hzc1 | 10YR63 00 | 10YR56 00 | C | 00M00 | 00 | Y | 0 | 0 | HR | 3 | | M | | | | |
| | 70-120 | c | 25Y 62 00 | 75YR56 00 | C | | | | Y | 0 | 0 | HR | 5 | | P | | Y | |
| 16 | 0-28 | mzc1 | 10YR43 00 | | | | | | 0 | 0 | HR | 3 | | | | | SEE 3P | |
| | 28-35 | mzc1 | 10YR43 44 | 00M00 00 | C | | | | 0 | 0 | HR | 5 | | M | | | | |
| | 35-50 | mzc1 | 10YR63 53 | 10YR56 00 | C | 00M00 | 00 | Y | 0 | 0 | HR | 5 | | M | | | | |
| | 50-65 | c | 05YR46 00 | 25Y 53 00 | C | 00M00 | 00 | Y | 0 | 0 | HR | 10 | | P | | Y | | |
| 17 | 0-25 | mzc1 | 10YR43 00 | 10YR56 00 | F | | | | 0 | 0 | HR | 3 | | | | | SEE 4P | |
| | 25-45 | c | 75YR56 00 | 05YR46 00 | C | | | 10YR63 | 00 | S | 0 | 0 | HR | 10 | | P | | Y |
| | 45-80 | c | 25Y 62 00 | 75YR58 00 | C | | | | Y | 0 | 0 | HR | 5 | | P | | Y | |
| | 80-120 | sc1 | 25Y 62 00 | 05YR58 00 | M | | | | Y | 0 | 0 | HR | 5 | | P | | Y | |
| 18 | 0-30 | mzc1 | 10YR43 00 | | | | | | 0 | 0 | HR | 10 | | | | | IMP FLINTS SEE 7P | |
| 19 | 0-25 | mzc1 | 10YR43 00 | | | | | | 0 | 0 | HR | 3 | | | | | | |
| | 25-55 | mzc1 | 10YR44 00 | 10YR56 00 | F | | | | 0 | 0 | HR | 5 | | M | | | | |
| | 55-65 | sc1 | 10YR53 00 | 75YR58 00 | C | | | | Y | 0 | 0 | HR | 5 | | M | | | |
| | 65-70 | ms1 | 10YR53 00 | 75YR58 00 | C | | | | Y | 0 | 0 | HR | 10 | | M | | IMP FLINTS 70 | |
| 20 | 0-25 | mzc1 | 10YR43 00 | | | | | | 0 | 0 | HR | 5 | | | | | SEE 7P | |
| | 25-30 | mzc1 | 10YR44 00 | 00M00 00 | F | | | | 0 | 0 | HR | 10 | | M | | | IMP FLINTS | |
| 21 | 0-20 | mzc1 | 10YR43 00 | | | | | | 3 | 0 | HR | 10 | | | | | IMP FLINTS SEE 7P | |
| 22 | 0-25 | mzc1 | 10YR43 00 | | | | | | 4 | 0 | HR | 10 | | | | | IMP FLINTS SEE 7P | |
| 23 | 0-20 | mzc1 | 10YR43 00 | | | | | | 3 | 0 | HR | 10 | | | | | IMP FLINTS SEE 7P | |
| 24 | 0-25 | hc1 | 10YR44 00 | | | | | | 4 | 1 | HR | 10 | | | | | SEE 4P | |
| | 25-40 | c | 75YR46 56 | 00M00 00 | F | | | | 0 | 0 | HR | 25 | | P | | Y | IMP FLINTS | |
| 25 | 0-28 | hc1 | 10YR43 44 | | | | | | 3 | 0 | HR | 8 | | | | | SEE 4P | |
| | 28-55 | c | 75YR56 00 | | | | | | 0 | 0 | HR | 20 | | M | | | | |
| | 55-75 | c | 75YR56 00 | 10YR54 00 | C | 00M00 | 00 | S | 0 | 0 | HR | 10 | | P | | Y | SLIGHTLY GLEYED | |
| | 75-120 | hzc1 | 10YR63 00 | 10YR58 00 | M | 00M00 | 00 | Y | 0 | 0 | HR | 10 | | M | | Y | | |
| 26 | 0-25 | mzc1 | 10YR43 00 | | | | | | 2 | 0 | HR | 7 | | | | | SEE 7P | |
| | 25-30 | mzc1 | 10YR44 00 | | | | | | 0 | 0 | HR | 10 | | M | | | IMP FLINTS | |
| 27 | 0-25 | mzc1 | 10YR43 00 | | | | | | 2 | 0 | HR | 8 | | | | | IMP FLINTS SEE 7P | |
| 28 | 0-22 | mzc1 | 10YR43 00 | | | | | | 3 | 0 | HR | 8 | | | | | SEE 7P | |
| | 22-35 | hzc1 | 10YR43 44 | 00M00 00 | F | | | | 0 | 0 | HR | 15 | | M | | | | |
| | 35-37 | c | 10YR44 00 | 00M00 00 | F | | | | 0 | 0 | HR | 25 | | M | | | IMP FLINTS | |

| SAMPLE | DEPTH | TEXTURE | COLOUR | ---MOTTLES--- | | | PED | | ---STONES--- | | | STRUCT/ CONSIST | SUBS | | | CALC | |
|--------|-------|---------|-----------|---------------|------|------|-------|-----|--------------|----|------|--------------------|------|-----|-----|------|---------------------|
| | | | | COL | ABUN | CONT | COL. | GLE | >2 | >6 | LITH | | TOT | STR | POR | | IMP |
| 29 | 0-25 | mzc1 | 10YR43 00 | | | | | | 1 | 0 | HR | 5 | | | | | SEE 7P |
| | 25-36 | mzc1 | 10YR44 00 | 00M00 | 00 | F | | | 0 | 0 | HR | 5 | | M | | | |
| | 36-39 | hzc1 | 10YR44 00 | 00M00 | 00 | F | | | 0 | 0 | HR | 20 | | M | | | IMP FLINTS |
| 30 | 0-22 | mzc1 | 10YR43 00 | | | | | | 2 | 0 | HR | 8 | | | | | SEE 7P |
| | 22-30 | hzc1 | 75YR44 00 | | | | | | 0 | 0 | HR | 15 | | M | | | IMP FLINTS |
| 31 | 0-23 | mzc1 | 10YR43 00 | | | | | | 4 | 0 | HR | 10 | | | | | SEE 7P |
| | 23-35 | mzc1 | 10YR44 00 | 00M00 | 00 | F | | | 0 | 0 | HR | 15 | | M | | | IMP FLINTS |
| 32 | 0-28 | mzc1 | 10YR43 00 | | | | | | 0 | 0 | HR | 5 | | | | | SEE 2P |
| | 28-35 | mzc1 | 10YR53 00 | 10YR56 | 00 | C | | Y | 0 | 0 | HR | 5 | | M | | | |
| | 35-55 | c | 05YR46 00 | 75YR58 | 00 | C | 00M00 | 00 | S | 0 | 0 | HR | 5 | | P | Y | SL GLEYED IMP FLINT |
| 33 | 0-25 | z1 | 10YR43 00 | | | | | | 0 | 0 | HR | 5 | | | | | SEE 2P |
| | 25-30 | mzc1 | 10YR44 00 | 10YR56 | 00 | F | | | 0 | 0 | HR | 5 | | M | | | |
| | 30-90 | c | 05YR46 56 | 75YR58 | 00 | C | | S | 0 | 0 | HR | 10 | | P | Y | | SL GLEYED IMP FLINT |
| 34 | 0-25 | mzc1 | 10YR43 00 | | | | | | 2 | 0 | HR | 10 | | | | | IMP FLINTS SEE 7P |
| 35 | 0-30 | mzc1 | 10YR43 00 | | | | | | 2 | 0 | HR | 10 | | | | | SEE 4P |
| | 30-45 | c | 05YR46 00 | 75YR56 | 00 | C | 00M00 | 00 | S | 0 | 0 | HR | 15 | | P | Y | IMP FLINTS |
| 36 | 0-20 | mzc1 | 10YR43 00 | | | | | | 2 | 0 | HR | 10 | | | | | IMP FLINTS SEE 7P |
| 37 | 0-25 | mzc1 | 10YR43 00 | | | | | | 3 | 0 | HR | 15 | | | | | IMP FLINTS SEE 7P |
| 38 | 0-25 | mzc1 | 10YR43 00 | | | | | | 0 | 0 | HR | 10 | | | | | SEE 2P |
| | 25-35 | mzc1 | 10YR53 00 | 10YR56 | 00 | F | | | 0 | 0 | HR | 5 | | M | | | |
| | 35-55 | c | 05YR46 56 | 75YR56 | 00 | C | 00M00 | 00 | S | 0 | 0 | HR | 10 | | P | Y | SL GLEYED IMP FLINT |
| 39 | 0-28 | mzc1 | 10YR43 00 | | | | | | 0 | 0 | HR | 10 | | | | | SEE 4P |
| | 28-35 | c | 05YR46 00 | 75YR56 | 00 | C | 00M00 | 00 | S | 0 | 0 | HR | 10 | | P | | IMP FLINTS |
| 40 | 0-25 | hzc1 | 10YR43 00 | | | | | | 0 | 0 | HR | 5 | | | | | SEE 4P |
| | 25-65 | c | 05YR46 00 | 75YR56 | 00 | C | 00M00 | 00 | S | 0 | 0 | HR | 10 | | P | Y | SLIGHTLY GLEYED |
| | 65-75 | c | 05YR56 00 | 75YR56 | 00 | M | 00M00 | 00 | S | 0 | 0 | HR | 5 | | P | Y | SL GLEYED IMP FLINT |
| 41 | 0-25 | mzc1 | 10YR43 00 | | | | | | 0 | 0 | HR | 5 | | | | | SEE 3P |
| | 25-45 | hzc1 | 25Y 53 00 | 75YR58 | 00 | M | | Y | 0 | 0 | HR | 5 | | M | | | |
| | 45-80 | c | 05YR46 00 | 75YR53 | 58 | M | | Y | 0 | 0 | HR | 10 | | P | Y | | |
| 42 | 0-25 | hc1 | 10YR43 00 | | | | | | 3 | 0 | HR | 10 | | | | | SEE 4P |
| | 25-38 | c | 05YR46 00 | 10YR66 | 00 | F | 00M00 | 00 | 0 | 0 | HR | 10 | | P | Y | | |
| | 38-70 | c | 05YR46 00 | 10YR58 | 00 | C | 00M00 | 00 | S | 0 | 0 | HR | 5 | | P | Y | SL GLEYED IMP FLINT |
| 43 | 0-25 | mzc1 | 10YR43 00 | | | | | | 0 | 0 | HR | 5 | | | | | SEE 3P |
| | 25-45 | mzc1 | 10YR53 00 | 10YR56 | 00 | C | | Y | 0 | 0 | HR | 10 | | M | | | |
| | 45-65 | c | 05YR56 46 | 75YR56 | 00 | C | 00M00 | 00 | S | 0 | 0 | HR | 10 | | P | Y | IMP FLINT |

| SAMPLE | DEPTH | TEXTURE | COLOUR | -----MOTTLES----- | | | PED | | -----STONES----- | | | | STRUCT/ CONSIST | SUBS | | | CALC |
|--------|--------|---------|-----------------------|-------------------|------|------|-----------|-----|------------------|----|------|-----|--------------------|------|-----|-----|---------------------|
| | | | | COL | ABUN | CONT | COL. | GLE | >2 | >6 | LITH | TOT | | STR | POR | IMP | |
| 44 | 0-30 | mzc1 | 10YR41 00 10YR56 00 C | | | | | | Y | 0 | 0 | HR | 5 | | | | SEE 3P |
| | 30-50 | mzc1 | 10YR53 54 10YR56 00 C | | | | | | Y | 0 | 0 | HR | 10 | M | | | |
| | 50-65 | c | 05YR46 56 75YR56 58 C | | | | | | S | 0 | 0 | HR | 10 | P | | Y | IMP FLINT |
| 45 | 0-25 | mzc1 | 10YR42 43 00M00 00 F | | | | | | | 0 | 0 | HR | 5 | | | | SEE 3P |
| | 25-45 | hzc1 | 10YR53 54 10YR56 00 C | | | | | | Y | 0 | 0 | HR | 10 | M | | | |
| | 45-55 | c | 05YR46 00 75YR56 00 C | | | | 00M00 00 | S | 0 | 0 | HR | 15 | P | | Y | | SLIGHTLY GLEYED |
| 46 | 0-25 | mzc1 | 10YR42 00 | | | | | | | 0 | 0 | HR | 5 | | | | SEE 7P |
| | 25-55 | mzc1 | 10YR53 54 10YR56 00 F | | | | | | | 0 | 0 | HR | 10 | M | | | IMP FLINTS |
| 47 | 0-25 | mzc1 | 10YR42 00 | | | | | | | 0 | 0 | HR | 8 | | | | SEE 1P |
| | 25-35 | c | 05YR46 00 00M00 00 M | | | | | | Y | 0 | 0 | HR | 20 | P | | Y | IMP FLINTS |
| 48 | 0-25 | mzc1 | 10YR42 00 | | | | | | | 0 | 0 | HR | 5 | | | | SEE 6P |
| | 25-40 | c | 75YR46 00 | | | | | | | 0 | 0 | HR | 10 | M | | | |
| | 40-70 | ch | 10YR81 00 | | | | | | | 0 | 0 | HR | 5 | P | | Y | |
| 49 | 0-20 | mzc1 | 10YR42 00 | | | | | | | 0 | 0 | HR | 5 | | | | SEE 3P |
| | 20-35 | hzc1 | 10YR43 53 10YR56 00 C | | | | | | Y | 0 | 0 | HR | 10 | M | | | |
| | 35-40 | c | 75YR44 00 75YR58 00 C | | | | | | S | 0 | 0 | HR | 20 | P | | Y | SL GLEYED IMPFLINTS |
| 50 | 0-25 | mzc1 | 10YR42 00 | | | | | | | 0 | 0 | HR | 3 | | | | |
| | 25-35 | mzc1 | 10YR53 54 10YR56 66 C | | | | | | Y | 0 | 0 | HR | 3 | M | | | |
| | 35-70 | hzc1 | 25Y 52 00 10YR58 68 M | | | | | | Y | 0 | 0 | HR | 5 | M | | | |
| | 70-90 | hzc1 | 25Y 52 00 75YR68 00 M | | | | | | Y | 0 | 0 | HR | 10 | M | | | IMP FLINTS |
| 51 | 0-25 | mzc1 | 10YR43 00 | | | | | | | 0 | 0 | HR | 5 | | | | SEE 1P |
| | 25-60 | c | 05YR46 00 75YR58 53 C | | | | | | Y | 0 | 0 | HR | 5 | P | | Y | |
| | 60-120 | c | 75YR68 00 05YR46 00 C | | | | 25Y 63 00 | Y | 0 | 0 | HR | 10 | P | | Y | | SLIGHTLY GLEYED |
| 52 | 0-25 | mzc1 | 10YR43 00 | | | | | | | 0 | 0 | HR | 3 | | | | SEE 8P |
| | 25-40 | hzc1 | 75YR58 00 05YR46 00 C | | | | 00M00 00 | S | 0 | 0 | HR | 5 | M | | Y | | SLIGHTLY GLEYED |
| | 40-80 | c | 75YR53 00 75YR68 00 M | | | | 00M00 00 | Y | 0 | 0 | HR | 8 | P | | Y | | IMP FLINT |
| 53 | 0-25 | mzc1 | 10YR43 00 | | | | | | | 0 | 0 | HR | 5 | | | | SEE 7P |
| | 25-40 | mzc1 | 10YR53 54 10YR56 00 C | | | | | | Y | 0 | 0 | HR | 15 | M | | | IMP FLINT |
| 54 | 0-25 | mzc1 | 10YR43 00 | | | | | | | 0 | 0 | HR | 5 | | | | SEE 7P/3P |
| | 25-40 | mzc1 | 10YR53 54 10YR56 00 C | | | | | | Y | 0 | 0 | HR | 15 | M | | | IMP FLINTS |
| 55 | 0-23 | mzc1 | 10YR42 43 | | | | | | | 0 | 0 | HR | 5 | | | | SEE 1P |
| | 23-50 | c | 75YR56 00 75YR53 00 C | | | | 00M00 00 | Y | 0 | 0 | HR | 10 | P | | Y | | IMP FLINTS |
| 56 | 0-28 | mzc1 | 10YR43 00 | | | | | | | 3 | 0 | HR | 10 | | | | SEE 4P |
| | 28-80 | c | 75YR56 00 05YR46 00 C | | | | | | S | 0 | 0 | HR | 25 | P | | Y | SL GLEYED IMPFLINTS |
| 57 | 0-25 | mzc1 | 10YR43 00 | | | | | | | 0 | 0 | HR | 5 | | | | SEE 3P |
| | 25-35 | hzc1 | 10YR53 00 75YR58 00 C | | | | | | Y | 0 | 0 | HR | 5 | M | | | |
| | 35-70 | c | 05YR46 00 75YR58 00 C | | | | | | S | 0 | 0 | HR | 10 | P | | Y | |
| | 70-100 | c | 05YR46 00 25Y 64 00 C | | | | | | Y | 0 | 0 | 0 | P | | Y | | SLIGHTLY GLEYED |

| SAMPLE | DEPTH | TEXTURE | COLOUR | -----MOTTLES----- | | | PED | | -----STONES----- | | | STRUCT/ CONSIST | SUBS | | | CALC |
|--------|--------|---------|-----------|-------------------|------|------|-----------|-----|------------------|----|------|--------------------|------|-----|-----|---------------------|
| | | | | COL | ABUN | CONT | COL. | GLE | >2 | >6 | LITH | | TOT | STR | POR | |
| 58 | 0-30 | mzc1 | 10YR43 00 | | | | | | 0 | 0 | HR | 5 | | | | SEE 4P |
| | 30-55 | c | 75YR58 00 | 05YR46 00 | C | | 25Y 63 00 | S | 0 | 0 | HR | 5 | P | | Y | SLIGHTLY GLEYED |
| | 55-90 | c | 75YR58 00 | 05YR46 00 | M | | 10YR68 00 | S | 0 | 0 | HR | 10 | P | | Y | SLIGHTLY GLEYED |
| | 90-120 | c | 05YR56 00 | 75YR58 00 | M | | 10YR68 00 | S | 0 | 0 | | 0 | P | | Y | SLIGHTLY GLEYED |
| 59 | 0-23 | mc1 | 10YR43 00 | | | | | | 0 | 0 | HR | 3 | | | | SEE 4P |
| | 23-55 | c | 05YR56 00 | 75YR58 00 | C | | | S | 0 | 0 | HR | 5 | P | | Y | SLIGHTLY GLEYED |
| | 55-120 | sc1 | 05YR58 00 | 10YR68 00 | C | | 25Y 64 00 | S | 0 | 0 | | 0 | M | | Y | SLIGHTLY GLEYED |
| 60 | 0-25 | mzc1 | 10YR42 00 | | | | | | 0 | 0 | HR | 5 | | | | SEE 4P |
| | 25-65 | c | 75YR54 00 | 05YR46 00 | C | | 75YR58 68 | S | 0 | 0 | HR | 5 | P | | Y | SL GLEYED IMP FLINT |
| 61 | 0-25 | mc1 | 10YR43 00 | | | | | | 0 | 0 | HR | 5 | | | | SEE 8P |
| | 25-50 | hc1 | 75YR58 00 | 10YR53 00 | C | | | Y | 0 | 0 | HR | 5 | M | | Y | |
| | 50-70 | c | 75YR58 00 | 05YR46 00 | C | | 25Y 64 00 | Y | 0 | 0 | HR | 10 | P | | Y | IMP FLINT |
| 62 | 0-23 | mc1 | 10YR43 44 | | | | | | 0 | 0 | HR | 5 | | | | SEE 8P |
| | 23-45 | hc1 | 75YR56 00 | 25Y 64 00 | C | | 00M00 00 | Y | 0 | 0 | HR | 5 | M | | Y | |
| | 45-55 | c | 75YR58 00 | 05YR46 00 | C | | 00M00 00 | S | 0 | 0 | HR | 20 | P | | Y | SL GLEYED IMP FLINT |
| 63 | 0-25 | mc1 | 10YR43 00 | | | | | | 0 | 0 | HR | 5 | | | | SEE 7P |
| | 25-40 | hc1 | 10YR44 54 | | | | | | 0 | 0 | HR | 10 | M | | | IMP FLINTS |
| 64 | 0-25 | mc1 | 10YR43 00 | | | | | | 0 | 0 | HR | 5 | | | | SEE 4P |
| | 25-55 | c | 05YR46 00 | 75YR58 00 | C | | 00M00 00 | S | 0 | 0 | HR | 5 | P | | Y | SLIGHTLY GLEYED |
| | 55-80 | c | 75YR58 00 | 10YR68 00 | C | | | S | 0 | 0 | HR | 5 | P | | Y | SLIGHTLY GLEYED |
| 65 | 0-25 | mc1 | 10YR43 00 | | | | | | 0 | 0 | HR | 5 | | | | SEE 1P |
| | 25-70 | c | 75YR58 00 | 25Y 63 00 | C | | 05YR46 00 | Y | 0 | 0 | HR | 10 | P | | Y | |
| | 70-85 | c | 05YR46 00 | 75YR58 00 | M | | 25Y 64 00 | S | 0 | 0 | HR | 3 | P | | Y | SL GLEYED IMPFLINTS |
| 66 | 0-25 | mc1 | 10YR43 00 | 10YR56 00 | C | | | S | 0 | 0 | HR | 5 | | | | SL GLEYED SEE 4P |
| | 25-70 | c | 05YR46 00 | 75YR58 00 | M | | | S | 0 | 0 | HR | 5 | P | | Y | SLIGHTLY GLEYED |
| 67 | 0-25 | mc1 | 10YR43 00 | | | | | | 0 | 0 | HR | 3 | | | | SEE 4P |
| | 25-35 | c | 75YR58 00 | 75YR68 00 | C | | 00M00 00 | S | 0 | 0 | HR | 5 | P | | Y | SLIGHTLY GLEYED |
| | 35-120 | c | 05YR46 00 | 05YR58 00 | C | | | S | 0 | 0 | HR | 5 | P | | Y | SLIGHTLY GLEYED |
| 68 | 0-25 | mc1 | 10YR43 00 | | | | | | 0 | 0 | HR | 5 | | | | SEE 7P |
| | 25-50 | mzc1 | 10YR44 54 | | | | | | 0 | 0 | HR | 20 | M | | | IMP FLINTS |
| 69 | 0-25 | mzc1 | 10YR43 00 | | | | | | 0 | 0 | HR | 5 | | | | SEE 2P |
| | 25-45 | hc1 | 10YR54 00 | 75YR58 00 | C | | | S | 0 | 0 | HR | 5 | M | | | SLIGHTLY GLEYED |
| | 45-90 | c | 05YR46 00 | 75YR58 00 | F | | 00M00 00 | S | 0 | 0 | HR | 10 | P | | Y | SLIGHTLY GLEYED |
| 70 | 0-25 | mzc1 | 10YR43 00 | | | | | | 0 | 0 | HR | 8 | | | | SEE 2P |
| | 25-65 | hc1 | 10YR54 00 | 10YR56 00 | C | | 00M00 00 | S | 0 | 0 | HR | 5 | M | | | SLIGHTLY GLEYED |
| | 65-80 | c | 05YR46 00 | 75YR58 00 | C | | 00M00 00 | S | 0 | 0 | HR | 15 | P | | Y | SLIGHTLY GLEYED |

| SAMPLE | DEPTH | TEXTURE | COLOUR | -----MOTTLES----- | | PED | | -----STONES----- | | STRUCT/ | SUBS | SPL | CALC |
|--------|--------|---------|-----------------------|-------------------|------|-------------|------|------------------|----|---------|------|-----|---------------------|
| | | | | COL | ABUN | CONT | COL. | GLY | >2 | | | | |
| 71 | 0-30 | hzc1 | 10YR43 44 | | | | | | | | | | SEE 1P |
| | 30-70 | c | 05YR46 00 75YR58 53 C | | | 00M00 00 Y | | 0 0 HR | 5 | | P | Y | |
| 72 | 0-30 | mzc1 | 10YR43 00 | | | | | 0 0 HR | 5 | | | | SEE 7P |
| | 30-50 | mzc1 | 10YR54 44 | | | | | 0 0 HR | 5 | | M | | |
| | 50-70 | hzc1 | 10YR54 53 10YR56 00 F | | | | | 0 0 HR | 10 | | M | | IMP FLINTS |
| 73 | 0-30 | mzc1 | 10YR43 00 | | | | | 3 0 HR | 10 | | | | SEE 7P |
| | 30-40 | mzc1 | 10YR44 00 | | | | | 0 0 HR | 25 | | M | | IMP FLINTS |
| 74 | 0-30 | mzc1 | 10YR43 00 | | | | | 2 0 HR | 8 | | | | SEE 1P |
| | 30-55 | c | 75YR58 00 10YR54 53 C | | | 00M00 00 Y | | 0 0 HR | 2 | | P | Y | |
| | 55-70 | c | 05YR46 00 75YR58 00 C | | | 00M00 00 Y | | 0 0 HR | 5 | | P | Y | IMP FLINT |
| 75 | 0-30 | mzc1 | 10YR43 00 | | | | | 5 0 HR | 12 | | | | SEE 7P/3P |
| | 30-70 | hzc1 | 10YR54 00 10YR56 63 C | | | 00M00 00 Y | | 0 0 HR | 25 | | M | | IMP FLINTS |
| 76 | 0-25 | mzc1 | 10YR43 00 | | | | | 12 0 HR | 20 | | | | SEE 7P |
| | 25-45 | mzc1 | 10YR44 00 | | | | | 0 0 HR | 25 | | M | | |
| | 45-50 | mzc1 | 10YR56 66 | | | | | 0 0 HR | 40 | | M | | IMP FLINTS |
| 77 | 0-30 | mzc1 | 10YR43 00 | | | | | 0 0 HR | 5 | | | | SEE 3P |
| | 30-45 | hzc1 | 10YR53 54 10YR56 00 C | | | 00M00 00 Y | | 0 0 HR | 3 | | M | | |
| | 45-90 | c | 05YR56 00 75YR58 00 C | | | 25Y 64 00 Y | | 0 0 HR | 5 | | P | Y | |
| 78 | 0-28 | mzc1 | 10YR43 00 | | | | | 0 0 HR | 5 | | | | SEE 1P |
| | 28-65 | c | 75YR56 00 10YR53 00 C | | | | | Y 0 0 HR | 3 | | P | Y | |
| | 65-75 | c | 75YR56 00 10YR53 00 C | | | | | Y 0 0 HR | 10 | | P | Y | IMP FLINT |
| 79 | 0-25 | mzc1 | 10YR43 00 10YR46 00 F | | | | | 0 0 HR | 3 | | | | SEE 1P |
| | 25-40 | c | 75YR58 00 10YR53 00 C | | | 05YR56 00 Y | | 0 0 HR | 3 | | P | Y | |
| | 40-120 | c | 05YR46 00 75YR58 00 F | | | 00M00 00 S | | 0 0 HR | 8 | | P | Y | SLIGHTLY GLEYED |
| 80 | 0-25 | mc1 | 10YR43 00 | | | | | 0 0 HR | 1 | | | | SEE 7P |
| | 25-35 | mzc1 | 10YR44 54 | | | | | 0 0 HR | 30 | | M | | IMP FLINTS |
| 81 | 0-29 | mzc1 | 10YR43 00 10YR56 00 C | | | | | S 8 0 HR | 10 | | | | SL GLEYED SEE 2P |
| | 29-55 | c | 75YR54 00 75YR58 00 C | | | | | S 0 0 HR | 10 | | P | Y | SL GLEYED IMPFLINTS |
| 82 | 0-30 | mzc1 | 10YR43 00 | | | | | 0 0 HR | 5 | | | | IMP FLINTS SEE 7P |
| 83 | 0-29 | mzc1 | 10YR43 00 10YR56 00 C | | | | | S 0 0 HR | 5 | | | | SL GLEYED SEE 4P |
| | 29-70 | c | 05YR44 00 05YR58 00 C | | | | | S 0 0 HR | 5 | | P | Y | SLIGHTLY GLEYED |
| 84 | 0-25 | mzc1 | 10YR53 00 00M00 00 F | | | | | 0 0 HR | 5 | | | | SEE 4P |
| | 25-80 | c | 05YR46 00 75YR68 74 C | | | | | S 0 0 HR | 2 | | P | Y | SLIGHTLY GLEYED |
| 85 | 0-30 | mzc1 | 10YR54 00 | | | | | 0 0 HR | 5 | | | | SEE 3P |
| | 30-50 | hzc1 | 10YR56 00 | | | | | 0 0 HR | 2 | | M | | |
| | 50-90 | c | 05YR46 00 05YR58 00 C | | | 00M00 00 S | | 0 0 HR | 2 | | P | Y | SLIGHTLY GLEYED |

| SAMPLE | DEPTH | TEXTURE | COLOUR | -----MOTTLES----- | | | PED | -----STONES----- | | | STRUCT/ | SUBS | SPL | CALC |
|--------|--------|---------|-----------|-------------------|------|------|-------------|------------------|-----|----|---------|------|-----|---------------------|
| | | | | COL | ABUN | CONT | | COL. | GLE | >2 | | | | |
| 86 | 0-30 | mzc1 | 10YR54 00 | | | | | 0 | 0 | HR | 5 | | | SEE 2P |
| | 30-50 | mzc1 | 10YR56 00 | | | | | 0 | 0 | HR | 2 | M | | |
| | 50-65 | hzc1 | 10YR56 00 | 10YR58 00 C | | | 00M00 00 S | 0 | 0 | HR | 2 | M | | SLIGHTLY GLEYED |
| | 65-100 | c | 75YR56 00 | 75YR58 00 C | | | 00M00 00 S | 0 | 0 | HR | 2 | P | Y | SLIGHTLY GLEYED |
| 87 | 0-27 | mzc1 | 10YR54 00 | | | | | 6 | 0 | HR | 10 | | | SEE 2P |
| | 27-40 | hzc1 | 10YR56 00 | 10YR58 00 C | | | | S | 0 | HR | 10 | M | | SLIGHTLY GLEYED |
| | 40-60 | c | 05YR46 00 | 05YR58 00 C | | | | S | 0 | HR | 10 | P | Y | SLIGHTLY GLEYED |
| 88 | 0-30 | mzc1 | 10YR43 44 | 10YR56 00 C | | | | S | 0 | HR | 5 | | | SL GLEYED SEE 2P |
| | 30-50 | mzc1 | 10YR56 00 | | | | | 0 | 0 | HR | 5 | M | | |
| | 50-60 | c | 05Y 46 00 | 10YR58 00 C | | | 00M00 00 S | 0 | 0 | HR | 10 | P | Y | SLIGHTLY GLEYED |
| 89 | 0-30 | mzc1 | 10YR43 00 | | | | | 8 | 0 | HR | 12 | | | SEE 4P |
| | 30-40 | c | 05YR46 00 | 05YR58 00 C | | | 00M00 00 S | 0 | 0 | HR | 15 | P | Y | SL GLEYED IMPFLINTS |
| 90 | 0-30 | mzc1 | 10YR54 00 | | | | | 8 | 0 | HR | 12 | | | SEE 7P |
| | 30-45 | mc1 | 10YR56 00 | 00M00 00 C | | | | 0 | 0 | HR | 15 | M | | |
| | 45-50 | mc1 | 10YR56 00 | 00M00 00 F | | | | 0 | 0 | HR | 20 | M | | IMP FLINTS |
| 91 | 0-30 | mzc1 | 10YR54 00 | | | | | 11 | 0 | HR | 15 | | | IMP FLINTS SEE 7P |
| 92 | 0-27 | mzc1 | 10YR54 00 | | | | | 5 | 0 | HR | 10 | | | SEE 4P |
| | 27-30 | c | 05YR56 00 | 75YR58 00 C | | | | S | 0 | HR | 10 | P | Y | SL GLEYED IMPFLINTS |
| 93 | 0-30 | mzc1 | 10YR44 00 | 10YR56 00 C | | | | S | 5 | HR | 8 | | | SL GLEYED SEE 2P |
| | 30-45 | hc1 | 10YR54 00 | 00M00 00 F | | | | S | 0 | HR | 10 | M | | SLIGHTLY GLEYED |
| | 45-65 | c | 05YR46 00 | 75YR58 00 C | | | | S | 0 | HR | 10 | P | Y | SLIGHTLY GLEYED |
| 94 | 0-23 | z1 | 10YR42 00 | | | | | 12 | 4 | HR | 17 | | Y | SEE 6P |
| | 23-35 | mzc1 | 10YR43 00 | | | | | 0 | 0 | CH | 50 | M | Y | |
| | 35-65 | ch | 10YR81 00 | | | | | 0 | 0 | HR | 2 | P | Y | |
| 95 | 0-25 | z1 | 10YR43 00 | | | | | 7 | 3 | HR | 10 | | | SEE 3P |
| | 25-40 | mzc1 | 10YR44 00 | | | | | 0 | 0 | HR | 10 | M | | |
| | 40-50 | mzc1 | 10YR46 00 | | | | | 0 | 0 | HR | 10 | M | | |
| | 50-60 | mzc1 | 10YR46 53 | C | | | | Y | 0 | 0 | 0 | M | | |
| | 60-90 | c | 10YR56 53 | C | | | | Y | 0 | HR | 5 | P | Y | |
| 96 | 0-20 | z1 | 10YR43 00 | | | | | 10 | 5 | HR | 12 | | | SEE 1P |
| | 20-40 | c | 75YR56 00 | 10YR53 58 C | | | | Y | 0 | HR | 20 | P | Y | |
| | 40-80 | c | 05YR46 00 | 05YR58 00 C | | | | Y | 0 | HR | 20 | P | Y | DISTURBED PROFILE |
| 97 | 0-25 | mzc1 | 10YR43 00 | | | | | 10 | 5 | HR | 12 | | | SEE 1P |
| | 25-65 | c | 75YR56 58 | 10YR53 00 C | | | | Y | 0 | HR | 12 | P | Y | |
| | 65-70 | c | 75YR56 00 | 75YR58 00 C | | | 10YR53 00 Y | 0 | 0 | HR | 20 | P | Y | DISTURBED PROFILE |
| 98 | 0-30 | mzc1 | 10YR43 00 | | | | | 2 | 0 | HR | 5 | | | SEE 3P |
| | 30-80 | hzc1 | 10YR53 44 | 10YR56 00 C | | | 00M00 00 Y | 0 | 0 | HR | 5 | M | | IMP FLINT |

| SAMPLE | DEPTH | TEXTURE | COLOUR | ----MOTTLES----- | | | PED COL. | ----STONES---- | | | STRUCT/ CONSIST | SUBS STR POR IMP SPL CALC | |
|--------|--------|---------|-----------|------------------|------|-----------|----------|----------------|----|----|-----------------|---------------------------|---------------------|
| | | | | COL | ABUN | CONT | | GLE | >2 | >6 | | | LITH |
| 99 | 0-30 | mzc1 | 10YR43 00 | | | | | 0 | 0 | HR | 5 | | SEE 3P |
| | 30-50 | hzc1 | 10YR53 54 | 10YR56 00 | C | 00M00 00 | Y | 0 | 0 | HR | 3 | M | |
| | 50-100 | c | 10YR53 54 | 10YR56 00 | M | 00M00 00 | Y | 0 | 0 | HR | 5 | P | Y |
| 100 | 0-30 | mzc1 | 10YR43 00 | | | | | 0 | 0 | HR | 5 | | SEE 2P |
| | 30-65 | hzc1 | 10YR54 00 | 10YR56 00 | C | 00M00 00 | S | 0 | 0 | HR | 8 | M | SLIGHTLY GLEYED |
| | 65-80 | c | 75YR58 00 | 75YR53 00 | C | | | Y | 0 | 0 | HR | 5 | P |
| 101 | 0-25 | mzc1 | 10YR43 00 | | | | | 0 | 0 | HR | 5 | | SEE 4P |
| | 25-75 | c | 05YR46 56 | 75YR56 54 | C | 00M00 00 | S | 0 | 0 | HR | 5 | P | SL GLEYED IMP FLINT |
| 102 | 0-28 | mzc1 | 10YR43 00 | | | | | 0 | 0 | HR | 5 | | SEE 4P |
| | 28-70 | c | 05YR46 56 | 75YR54 56 | C | 00M00 00 | S | 0 | 0 | HR | 5 | P | SL GLEYED IMP FLINT |
| 103 | 0-25 | mzc1 | 10YR43 00 | | | | | 0 | 0 | HR | 10 | | SEE 7P |
| | 25-30 | mzc1 | 10YR46 00 | | | | | 0 | 0 | HR | 20 | M | IMP FLINTS |
| 104 | 0-25 | mzc1 | 10YR43 53 | | | | | 0 | 0 | HR | 3 | | SEE 3P |
| | 25-35 | mzc1 | 25Y 53 00 | 10YR56 00 | C | 00M00 00 | Y | 0 | 0 | HR | 3 | M | |
| | 35-120 | c | 05YR46 00 | 75YR58 53 | C | 00M00 00 | Y | 0 | 0 | HR | 5 | P | Y |
| 105 | 0-25 | mzc1 | 10YR43 00 | | | | | 0 | 0 | HR | 5 | | SEE 1P |
| | 25-55 | c | 75YR58 68 | 75YR53 00 | C | 05YR58 00 | Y | 0 | 0 | HR | 10 | P | IMP FLINT |
| 106 | 0-25 | mzc1 | 10YR43 00 | | | | | 0 | 0 | HR | 5 | | SEE 4P |
| | 25-45 | c | 75YR56 00 | 75YR66 00 | C | 00M00 00 | S | 0 | 0 | HR | 3 | P | SLIGHTLY GLEYED |
| | 45-120 | c | 75YR56 00 | 75YR58 00 | M | 00M00 00 | S | 0 | 0 | HR | 3 | P | SLIGHTLY GLEYED |
| 107 | 0-25 | mzc1 | 10YR43 00 | | | | | 0 | 0 | HR | 5 | | SEE 7P |
| | 25-55 | hzc1 | 75YR54 00 | 75YR58 00 | C | 00M00 00 | S | 0 | 0 | HR | 20 | M | SL GLEYED |
| 108 | 0-25 | mzc1 | 10YR42 00 | | | | | 0 | 0 | HR | 15 | | IMP FLINTS SEE 7P |
| 109 | 0-30 | mc1 | 10YR44 00 | | | | | 0 | 0 | HR | 5 | | SEE 4P |
| | 30-60 | c | 75YR58 00 | 75YR54 00 | C | 00M00 00 | S | 0 | 0 | HR | 5 | P | SLIGHTLY GLEYED |
| | 60-90 | c | 05YR58 00 | 75YR58 53 | M | 00M00 00 | Y | 0 | 0 | HR | 5 | P | Y |
| | 90-120 | c | 75YR58 00 | 75YR53 00 | M | 00M00 00 | Y | 0 | 0 | | 0 | P | Y |
| 110 | 0-25 | mzc1 | 10YR44 00 | | | | | 0 | 0 | CH | 5 | | SEE 6P |
| | 25-35 | c | 75YR58 00 | | | | | 0 | 0 | HR | 5 | M | Y |
| | 35-65 | ch | 10YR81 00 | | | | | 0 | 0 | HR | 5 | P | Y |
| 111 | 0-30 | mzc1 | 10YR43 42 | | | | | 0 | 0 | HR | 5 | | SEE 6P |
| | 30-60 | ch | 10YR81 00 | | | | | 0 | 0 | HR | 5 | P | Y |
| 112 | 0-30 | mzc1 | 10YR43 00 | | | | | 0 | 0 | HR | 15 | | IMP FLINTS SEE 7P |
| 113 | 0-15 | mzc1 | 10YR41 42 | | | | | 0 | 0 | CH | 5 | | SEE 6P |
| | 15-20 | mzc1 | 10YR44 00 | | | | | 0 | 0 | HR | 5 | M | Y |
| | 20-50 | ch | 10YR81 00 | | | | | 0 | 0 | HR | 5 | P | Y |

| SAMPLE | DEPTH | TEXTURE | COLOUR | -----MOTTLES----- | | | PED COL. | -----STONES----- | | | | STRUCT/ CONSIST | SUBS | | | CALC |
|--------|---------|---------|-----------------------|-------------------|------|------|-------------|------------------|----|----|------|--------------------|------|-----|-----|---------------------|
| | | | | COL | ABUN | CONT | | GLEYS | >2 | >6 | LITH | | TOT | STR | POR | |
| 114 | 0-25 | mzc1 | 10YR43 00 | | | | | 0 | 0 | HR | 5 | | | | | SEE 7P |
| | 25-35 | hzc1 | 10YR44 00 | | | | | 0 | 0 | HR | 15 | | M | | | IMP FLINTS |
| 115 | 0-25 | mzc1 | 10YR43 00 | | | | | 0 | 0 | HR | 5 | | | | | SEE 3P |
| | 25-55 | hzc1 | 10YR44 46 00M00 00 F | | | | | 0 | 0 | HR | 5 | | M | | | |
| | 55-70 | c | 10YR44 54 | | | | | 0 | 0 | HR | 15 | | M | | | |
| | 70-85 | c | 10YR54 00 75YR58 00 C | | | | 00M00 00 S | 0 | 0 | HR | 5 | | P | | Y | SLIGHTLY GLEYED |
| | 85-90 | c | 75YR46 58 05YR46 00 F | | | | 00M00 00 S | 0 | 0 | HR | 35 | | P | | Y | SL GLEYED IMPFLINTS |
| 116 | 0-25 | mzc1 | 10YR43 00 | | | | | 0 | 0 | HR | 5 | | | | | SEE 5P |
| | 25-55 | hzc1 | 75YR56 00 75YR53 00 C | | | | | S | 0 | HR | 15 | | M | | Y | |
| | 55-75 | c | 75YR56 00 75YR53 00 C | | | | 00M00 00 Y | 0 | 0 | HR | 20 | | P | | Y | |
| | 75-120 | c | 75YR58 00 05YR46 00 C | | | | 00M00 00 Y | 0 | 0 | HR | 3 | | P | | Y | |
| 117 | 0-30 | mzc1 | 10YR43 00 | | | | | 0 | 0 | HR | 3 | | | | | SEE 7P |
| | 30-65 | hzc1 | 10YR44 54 | | | | | 0 | 0 | HR | 5 | | M | | | |
| | 65-70 | hzc1 | 10YR54 00 | | | | | 0 | 0 | HR | 25 | | M | | | IMP FLINTS |
| 118 | 0-25 | mzc1 | 10YR43 00 | | | | | 0 | 0 | HR | 5 | | | | | SEE 6P |
| | 25-48 | c | 75YR58 00 | | | | | 0 | 0 | HR | 5 | | M | | | |
| | 48-80 | ch | 10YR81 00 | | | | | 0 | 0 | HR | 5 | | P | | Y | |
| 119 | 0-30 | mzc1 | 10YR43 00 | | | | | 0 | 0 | HR | 3 | | | | | SEE 2P |
| | 30-60 | hzc1 | 10YR44 54 | | | | | 0 | 0 | HR | 3 | | M | | | |
| | 60-70 | c | 05YR56 00 75YR53 58 C | | | | 00M00 00 Y | 0 | 0 | HR | 5 | | P | | Y | |
| | 70-100 | c | 75YR58 00 75YR53 00 C | | | | 00M00 00 Y | 0 | 0 | HR | 25 | | P | | Y | IMP FLINTS |
| 120 | 0-30 | mzc1 | 10YR43 00 | | | | | 0 | 0 | HR | 3 | | | | | SEE 3P |
| | 30-50 | hzc1 | 10YR54 00 75YR56 00 F | | | | 00M00 00 | 0 | 0 | HR | 3 | | M | | | |
| | 50-75 | c | 75YR56 00 75YR53 00 C | | | | 00M00 00 Y | 0 | 0 | HR | 10 | | P | | Y | |
| | 75-120 | c | 05YR58 00 75YR58 00 M | | | | | S | 0 | HR | 0 | | P | | Y | SLIGHTLY GLEYED |
| 121 | 0-30 | mzc1 | 10YR43 00 | | | | | 0 | 0 | HR | 5 | | | | | SEE 3P |
| | 30-55 | hzc1 | 10YR56 00 10YR53 00 C | | | | | Y | 0 | HR | 3 | | M | | | |
| | 55-90 | c | 05YR58 00 75YR56 00 C | | | | | S | 0 | HR | 0 | | P | | Y | SLIGHTLY GLEYED |
| 122 | 0-25 | mzc1 | 10YR43 00 | | | | | 0 | 0 | HR | 5 | | | | | SEE 7P |
| | 25-30 | hzc1 | 10YR54 00 | | | | | 0 | 0 | HR | 30 | | M | | | IMP FLINTS |
| 123 | 0-25 | mzc1 | 10YR43 00 | | | | | 0 | 0 | HR | 5 | | | | | SEE 8P |
| | 25-30 | c | 75YR58 00 00M00 00 F | | | | | S | 0 | HR | 30 | | P | | Y | IMP FLINTS |
| 124 | 0-23 | mzc1 | 10YR42 00 | | | | | 0 | 0 | HR | 5 | | | | | SEE 7P |
| | 23-50 | mzc1 | 10YR54 00 | | | | | 0 | 0 | HR | 10 | | M | | | |
| | 50-55 | mzc1 | 10YR54 00 | | | | | 0 | 0 | HR | 30 | | M | | | IMP FLINTS |
| 125 | 0-28 | mzc1 | 10YR43 00 | | | | | 0 | 0 | HR | 3 | | | | | SEE 8P |
| | 28-50 | c | 75YR58 00 75YR54 56 C | | | | | S | 0 | HR | 5 | | P | | Y | SLIGHTLY GLEYED |
| | 50-100 | c | 05YR56 00 75YR58 00 C | | | | | S | 0 | HR | 3 | | P | | Y | SLIGHTLY GLEYED |
| | 100-105 | c | 05YR56 00 75YR68 00 M | | | | 00M00 00 S | 0 | 0 | HR | 15 | | P | | Y | SL GLEYED IMPFLINTS |

| SAMPLE | DEPTH | TEXTURE | COLOUR | ----MOTTLES----- | | | PED | | ----STONES---- | | | STRUCT/ | SUBS | SPL | CALC |
|--------|--------|---------|-----------------------|------------------|------|------|----------|-----|----------------|----|------|---------|------|-----|---------------------|
| | | | | COL | ABUN | CONT | COL. | GLE | >2 | >6 | LITH | | | | |
| 126 | 0-30 | mzc1 | 10YR43 00 | | | | | | 0 | 0 | HR | 3 | | | SEE 2P |
| | 30-45 | hzc1 | 10YR54 00 75YR58 00 F | | | | | | 0 | 0 | HR | 5 | M | | |
| | 45-120 | c | 05YR56 00 75YR56 00 C | | | | | S | 0 | 0 | HR | 5 | P | Y | SLIGHTLY GLEYED |
| 127 | 0-30 | mzc1 | 10YR43 00 | | | | | | 0 | 0 | HR | 3 | | | SEE 3P |
| | 30-55 | hzc1 | 10YR54 00 | | | | | | 0 | 0 | HR | 3 | M | | |
| | 55-65 | hzc1 | 10YR53 54 75YR56 00 C | | | | 00M00 00 | Y | 0 | 0 | | 0 | M | | |
| | 65-120 | c | 05YR56 00 75YR58 53 M | | | | | Y | 0 | 0 | | 0 | P | Y | |
| 128 | 0-25 | mzc1 | 10YR43 00 | | | | | | 3 | 0 | HR | 7 | | | SEE 5P/8P |
| | 25-35 | hzc1 | 75YR58 00 10YR56 00 C | | | | | S | 0 | 0 | HR | 5 | M | Y | SLIGHTLY GLEYED |
| | 35-85 | c | 05YR46 56 75YR54 00 C | | | | | S | 0 | 0 | HR | 20 | P | Y | SLIGHTLY GLEYED |
| | 85-120 | c | 05YR56 00 75YR58 00 M | | | | | S | 0 | 0 | HR | 3 | P | Y | SLIGHTLY GLEYED |
| 129 | 0-30 | mzc1 | 10YR43 00 | | | | | | 3 | 0 | HR | 8 | | | SEE 4P |
| | 30-60 | c | 05YR56 00 75YR66 00 C | | | | 00M00 00 | S | 0 | 0 | HR | 10 | P | Y | SLIGHTLY GLEYED |
| | 60-90 | c | 05YR56 00 75YR54 56 C | | | | 00M00 00 | S | 0 | 0 | HR | 10 | P | Y | SL GLEYED IMPFLINTS |
| 130 | 0-25 | mzc1 | 10YR43 00 | | | | | | 0 | 0 | HR | 5 | | | SEE 2P/3P |
| | 25-35 | mzc1 | 10YR54 00 | | | | | | 0 | 0 | HR | 5 | M | | |
| | 35-55 | hzc1 | 10YR54 00 75YR56 00 C | | | | | S | 0 | 0 | HR | 5 | M | | SLIGHTLY GLEYED |
| | 55-120 | c | 05YR58 00 75YR58 00 C | | | | 00M00 00 | S | 0 | 0 | HR | 10 | P | Y | SLIGHTLY GLEYED |
| 131 | 0-25 | mzc1 | 10YR43 00 | | | | | | 0 | 0 | HR | 5 | | | IMP FLINTS SEE 7P |
| 132 | 0-28 | mzc1 | 10YR43 00 | | | | | | 0 | 0 | HR | 5 | | | SEE 2P |
| | 28-45 | hzc1 | 10YR54 00 75YR56 00 C | | | | | S | 0 | 0 | HR | 10 | M | | SLIGHTLY GLEYED |
| | 45-80 | c | 05YR56 00 75YR54 56 C | | | | 00M00 00 | S | 0 | 0 | HR | 20 | P | Y | SL GLEYED IMPFLINTS |
| 133 | 0-25 | mzc1 | 10YR43 00 | | | | | | 0 | 0 | HR | 5 | | | SEE 2P |
| | 25-33 | hzc1 | 10YR53 54 75YR56 00 C | | | | | Y | 0 | 0 | HR | 5 | M | | |
| | 33-75 | c | 05YR56 58 75YR54 56 C | | | | | S | 0 | 0 | HR | 10 | P | Y | SL GLEYED IMPFLINTS |
| 134 | 0-25 | mzc1 | 10YR43 00 | | | | | | 0 | 0 | HR | 10 | | | SEE 7P |
| | 25-35 | mzc1 | 10YR54 00 | | | | | | 0 | 0 | HR | 25 | M | | IMP FLINTS |
| 135 | 0-30 | mzc1 | 10YR43 00 | | | | | | 0 | 0 | HR | 5 | | | SEE 4P |
| | 30-70 | c | 05YR58 00 75YR56 00 C | | | | | S | 0 | 0 | HR | 10 | P | Y | SLIGHTLY GLEYED |
| | 70-120 | c | 05YR46 00 75YR58 00 M | | | | | S | 0 | 0 | HR | 10 | P | Y | SLIGHTLY GLEYED |
| 136 | 0-25 | mzc1 | 10YR43 53 | | | | | | 0 | 0 | HR | 5 | | | SEE 2P |
| | 25-45 | mzc1 | 10YR54 00 75YR56 00 F | | | | | | 0 | 0 | HR | 8 | M | | |
| | 45-65 | c | 05YR56 00 75YR56 00 C | | | | 00M00 00 | S | 0 | 0 | HR | 10 | P | Y | SL GLEYED IMPFLINTS |
| 137 | 0-30 | mzc1 | 10YR43 00 | | | | | | 0 | 0 | HR | 5 | | | SEE 2P |
| | 30-55 | mzc1 | 10YR54 00 | | | | | | 0 | 0 | HR | 5 | M | | SEE 7P |
| | 55-70 | hzc1 | 10YR53 00 10YR58 00 C | | | | | Y | 0 | 0 | HR | 10 | M | | IMP FLINTS |

| SAMPLE | DEPTH | TEXTURE | COLOUR | -----MOTTLES----- | | | PED | | -----STONES----- | | | STRUCT/ CONSIST | SUBS | | | SPL | CALC |
|--------|-------|---------|-----------|-------------------|------|------|--------|------|------------------|----|------|--------------------|------|-----|-----|-----|---------------------|
| | | | | COL | ABUN | CONT | COL. | GLE | >2 | >6 | LITH | | TOT | STR | POR | | |
| 138 | 0-25 | mzc1 | 10YR42 00 | | | | | | 0 | 0 | HR | 10 | | | | | IMP FLINTS SEE 7P |
| 139 | 0-25 | mzc1 | 10YR43 53 | | | | | | 0 | 0 | HR | 5 | | | | | SEE 7P |
| | 25-45 | mzc1 | 10YR54 00 | 00MNO0 | 00 F | | | | 0 | 0 | HR | 15 | | M | | | |
| | 45-60 | hzc1 | 75YR53 00 | 75YR58 00 | C | | 00MNO0 | 00 Y | 0 | 0 | HR | 15 | | M | | | IMP FLINTS |
| 140 | 0-30 | mzc1 | 10YR43 00 | | | | | | 0 | 0 | HR | 5 | | | | | SEE 4P |
| | 30-50 | c | 05YR46 00 | 75YR58 00 | C | | 00MNO0 | 00 S | 0 | 0 | HR | 5 | | P | Y | | SLIGHTLY GLEYED |
| | 50-80 | c | 05YR56 00 | 75YR56 00 | C | | 00MNO0 | 00 S | 0 | 0 | HR | 10 | | P | Y | | SL GLEYED IMPFLINTS |