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|---------------------------|--|---------------------------------|--------------------------------|--|--------------------|--|--|--|--|--|--|--|
| SITE NAME Exminster.99 | | PROFILE NO. Pit 1 (Nr ASP 9) | SLOPE AND ASPECT 2° N | | LAND USE PLO | | Av Rainfall: 900 mm ATO: 1527 day °C | | PARENT MATERIAL Permian breccia | | | |
| JOB NO. 10.99 | | DATE 9.2.99 | GRID REFERENCE SX 9350 8792 | | DESCRIBED BY PB | | FC Days: 185 Climatic Grade: 1 Exposure Grade: 1 | | PSD SAMPLES TAKEN TS 0-25 cm : MSL (S57:Z28:C15%) | | | |

| Horizon No. | Lowest Av. Depth (cm) | Texture | Matrix (Ped Face) Colours | Stoniness: Size, Type, and Field Method | Mottling Abundance, Contrast, Size and Colour | Mangan Concs | Structure: Ped Development Size and Shape | Consistence | Structural Condition | Pores (Fissures) | Roots: Abundance and Size | Calcium Carbonate Content | Horizon Boundary: Distinctness and form |
|-------------|-----------------------|---------|---------------------------|---|---|--------------|---|-------------|----------------------|------------------|---------------------------|---------------------------|---|
| 1 | 30 | MSL | 5YR4/3 | 1% > 2 cm (s+v) 23% < 2 cm (s+d) 24% HR | 0 | 0 | - | - | - | - | CF, VF | - | Clear Smooth |
| 2 | 48 | MSL | 2.5YR4/3 | 1% > 2 cm (s+v) 31% < 2 cm (s+d) 32% HR | 0 | 0 | WKC, MSAB | VF | G | G | FVF | - | Grad Smooth |
| 3 | 72 | MSL | 2.5YR4/4 | 40% HR (vis) | 0 | 0 | Too stony | - | (G) | G | FVF | - | Grad Smooth |
| 4 | 90+ | CSL | 2.5YR4/6 | 2% > 2 cm (s+v) 45% < 2 cm (s+d) 47% HR | 0 | F* | Too stony | - | (M) | G | 0 | - | |

Profile Gleyed From: Not gleyed

Slowly Permeable Horizon From: No SPL

Wetness Class: I

Wetness Grade: 1

Available Water Wheat: 110 mm

Potatoes: 84 mm

Moisture Deficit Wheat: 110 mm

Potatoes: 105 mm

Moisture Balance Wheat: 0 mm

Potatoes: -21 mm

Droughtiness Grade: 3a (Calculated to 120 cm)

Final ALC Grade: 3a

Main Limiting Factor(s): Dr

Remarks: H4 Tightly packed.
H4 stones some cemented agglomerate

| | | | | | | | |
|---------------------------|--|----------------------------------|--------------------------------|--------------------|--|---|--|
| SITE NAME Exminster 99 | | PROFILE NO. Pit 2 (Nr ASP 18) | SLOPE AND ASPECT 5° E | LAND USE FLW | Av Rainfall: 900 mm ATO: 1527 day °C | PARENT MATERIAL Permian breccia (less stony) | |
| JOB NO. 10.99 | | DATE 9.2.99 | GRID REFERENCE SX 9388 8773 | DESCRIBED BY PB | FC Days: 185 Climatic Grade: 1 Exposure Grade: 1 | PSD SAMPLES TAKEN TS 0-25 cm: MSL (S62: Z25: C13%) | |

| Horizon No. | Lowest Av. Depth (cm) | Texture | Matrix (Ped Face) Colours | Stoniness: Size, Type, and Field Method | Mottling Abundance, Contrast, Size and Colour | Mangan Concs | Structure: Ped Development Size and Shape | Consistence | Structural Condition | Pores (Fissures) | Roots: Abundance and Size | Calcium Carbonate Content | Horizon Boundary: Distinctness and form |
|-------------|-----------------------|---------|---------------------------|---|---|--------------|---|-------------|----------------------|------------------|---------------------------|---------------------------|---|
| 1 | 22 | MSL | 5YR4/2 | 2% >2 cm (s+v) 18% < 2 cm (s+d) 20% HR | 0 | 0 | - | - | - | - | CF, VF | - | Abrupt Smooth |
| 2 | 55 | MSL | 5YR4/3 | 1% > 2 cm (s+v) 24% < 2 cm (s+d) 25% HR | 0 | 0 | MDCAB | VF | M | G | CVF | - | Grad Smooth |
| 3 | 90 | MSL | 5YR4/6 | 1% >2 cm (s+v) 27% <2cm (s+d) 28% HR | 0 | 0 | WKMAB | VF | G | G | FVF | - | Grad Smooth |
| 4 | 102+ | LMS | 2.5YR4/6 | 1% >2 cm (s+v) 27% <2 cm (s+d) 28% HR | 0 | 0 | WKC, MAB | VF | M | G | 0 | - | |

Profile Gleyed From: Not gleyed

Slowly Permeable Horizon From: No SPL

Wetness Class: I

Wetness Grade: 1

Available Water Wheat: 111 mm

Potatoes: 87 mm

Moisture Deficit Wheat: 110 mm

Potatoes: 105 mm

Moisture Balance Wheat: +1 mm

Potatoes: -18 mm

Droughtiness Grade: 3a (Calculated to 120 cm)

Final ALC Grade: 3a

Main Limiting Factor(s): Dr

Remarks: