

Table MU1 A3-1-2 Laboratory Analytical Results (Page 1 of 1)

| Profile Number | Sample Depth (inches) | Soil Horizon | LQD Topsoil Suitability Parameters | | | | | | Additional Fertility Analyses | | | | | Texture Information | | | |
|---|-----------------------|--------------|------------------------------------|------------------------------------|----------------|-------------------------|----------------|-------------|-------------------------------|-----------------|-------------------|----------------|--------------------|---------------------|----------|----------|---------|
| | | | pH (standard units) | Electrical Conductivity (mmhos/cm) | Saturation (%) | Sodium Adsorption Ratio | Selenium (ppm) | Boron (ppm) | Lime as CaCO ₃ (%) | Calcium (meq/L) | Magnesium (meq/L) | Sodium (meq/L) | Organic Matter (%) | Sand (%) | Silt (%) | Clay (%) | Texture |
| Poposhia Loam (about 10% of Study Area) | | | | | | | | | | | | | | | | | |
| MU1PR15 | 0-24 | A, B | 7.6 | 0.52 | 37.0 | 0.26 | 0.003 | 0.63 | 1.0 | 4.02 | 1.85 | 0.44 | 2.4 | 42 | 38 | 20 | L |
| | 24-60 | C | 6.9 | 0.57 | 31.6 | 0.34 | 0.004 | 0.29 | 0.7 | 4.14 | 1.69 | 0.58 | 0.9 | 52 | 28 | 20 | L |
| Teagulf Sandy Loam (about 15% of Study Area) | | | | | | | | | | | | | | | | | |
| MU1PR13 | 0-10 | A, B | 7.8 | 0.48 | 27.1 | 0.83 | <0.002 | 0.23 | 0.8 | 3.22 | 1.03 | 1.20 | 1 | 66 | 16 | 18 | SL |
| MU1PR23 | 0-10 | A, B | 7.3 | 0.55 | 31.7 | 0.52 | 0.005 | <0.20 | 1.1 | 3.56 | 1.83 | 0.85 | 0.9 | 68 | 16 | 16 | SL |
| | 10-60 | C | 8.0 | 1.82 | 30.6 | 4.34 | 0.007 | 0.31 | 0.9 | 7.80 | 3.33 | 10.20 | 0.3 | 82 | 6 | 12 | SL |
| Pepal Sandy Loam (about 75% of Study Area) | | | | | | | | | | | | | | | | | |
| MU1PR50 | 0-6 | A, B | 7.8 | 0.47 | 41.5 | 0.84 | 0.007 | <0.20 | 1.0 | 2.54 | 1.13 | 1.13 | 1.5 | 72 | 10 | 18 | SL |
| | 6-60 | C | 7.7 | 0.47 | 35.1 | 0.48 | 0.005 | <0.20 | 0.7 | 2.94 | 1.30 | 0.70 | 0.5 | 80 | 6 | 14 | SL |
| LQD Topsoil Suitability Criteria ¹ | | | 5.5 - 8.5 | 0-8 | 25-80 | 0 - 10 | <0.1 | <5.0 | -- | -- | -- | -- | -- | -- | -- | -- | -- |

¹ Suitability criteria are from LQD Guideline No. 1 (WDEQ-LQD, 1994). Per the August 28, 2008, e-mail from M. Moxley (see Attachment 1), particle size was not applied as a suitability criterion.