ATTACHMENTS A TO G

| Map ID | Easting, m (WGS84) | Northing, m (WGS84) | Altitude (mAHD) | Slope (%) | ASC Subgroup | ASC Great Group | Suborder | Order | BSAL | Aspect | Depth to rock >90% (cm) | Depth to mottled layer >10% d or | Depth to Mn layer >20% | Depth to grey, gley, bleached layer (cm) | Depth to water-logged layer | Depth to lime (cm) | TAW (0-100 cm) (mm) | Water in Pit (dS/m) | Topography | | Parent Material (rock type) | Ground Cover (%) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | Site Morphology | Slope Morphology | | |
| 1 | 773931 | 6616111 | 303 | 4 | Basic | Regolithic | Grey-Orthic | Tenosol | No | SE | 140+ | 110 | - | - | 110 | - | 75 | no | midslope | waxing | | 20 |
| 2 | 774376 | 6616090 | 296 | 2 | Hypocalcic | Mottled-Subnatric | Red | Sodosol | No | NE | 140+ | 80 | - | - | 80 | 50 | 144 | no | midslope | waxing | | 90 |
| 3 | 774835 | 6616101 | 295 | 3 | Sodic | Hypocalcic | Brown | Kandosol | No | NW | 140+ | 90 | - | - | 90 | 10 | 72 | no | midslope | waxing | | 80 |
| 4 | 775266 | 6616108 | 304 | 2 | Sodic | Hypocalcic | Red | Kandosol | No | NE | 90 | - | - | - | - | 40 | 93 | no | simple | - | trachytic tuff | 100 |
| 5 | 775721 | 6616072 | 286 | 9 | Sodic | Eutrophic | Brown | Dermosol | No | W | 140+ | 80 | - | - | 80 | - | 104 | no | simple | - | | 45 |
| 6 | 776048 | 6616150 | 296 | 7 | Haplic | Eutrophic | Red | Dermosol | Yes | W | 80 | - | - | - | - | - | 78 | no | simple | - | andesitic tuff | 100 |
| 7 | 773482 | 6615646 | 306 | 3 | Mottled | Mesotrophic | Brown | Dermosol | No | SE | 75 | 55 | - | - | 55 | - | 120 | no | midslope | waning | sandstone | 70 |
| 8 | 773936 | 6615649 | 305 | 4 | Vertic | Regolithic | Supracalcic | Calcarosol | No | NW | 145+ | 90 | - | - | 90 | 25 | 90 | no | simple | - | | 65 |
| 9 | 774370 | 6615588 | 305 | 6 | Sodic | Hypocalcic | Brown | Dermosol | No | N | 120+ | - | - | - | - | 40 | 138 | no | simple | - | | 100 |
| 10 | 774826 | 6615645 | 295 | 3 | Epicalcareous | Self-mulching | Red | Vertosol | No | NW | 140+ | - | - | - | - | 0 | 97 | no | simple | - | | 100 |
| 11 | 775274 | 6615649 | 301 | 3 | Episodic | Self-mulching | Brown | Vertosol | No | E | 140+ | 90 | - | - | 90 | 30 | 114 | no | upper slope | waxing | | 100 |
| 12 | 775762 | 6615635 | 289 | 2 | Sodic | Eutrophic | Red | Dermosol | Yes | N | 140+ | - | - | - | - | - | 189 | no | simple | - | | 100 |
| 13 | 776128 | 6615645 | 310 | 6 | Haplic | Eutrophic | Red | Dermosol | No | SW | 90 | 70 | - | - | 70 | - | 129 | no | upper slope | waxing | volcanic ash fragments | 100 |
| 14 | 772408 | 6615894 | 335 | 4 | Acidic | Paralithic | Red-Orthic | Tenosol | No | E | 100 | - | - | - | - | - | 75 | no | simple | - | conglomerate | 100 |
| 15 | 773463 | 6615312 | 305 | 4 | Eutrophic | Mottled-Subnatric | Brown | Sodosol | No | NW | 140+ | 75 | - | - | 75 | - | 79 | no | simple | - | | 75 |
| 16 | 773867 | 6615231 | 313 | 9 | Acidic | Lithic | Leptic | Tenosol | No | NW | 35 | - | - | 0 | 0 | - | 27 | no | midslope | waning | conglomerate | 10 |
| 17 | 774388 | 6615199 | 316 | 6 | Haplic | Supracalcic | Brown | Kandosol | No | NE | 130+ | - | - | - | - | 30 | 108 | no | midslope | waxing | | 100 |
| 18 | 774829 | 6615198 | 311 | 2 | Epicalcareous | Epipedal | Red | Vertosol | No | NE | 130+ | - | - | - | - | 0 | 126 | no | midslope | waxing | | 100 |
| 19 | 775275 | 6615201 | 310 | 3 | Epihypersodic | Epipedal | Brown | Vertosol | No | NE | 140+ | - | - | - | - | 20 | 96 | no | midslope | waxing | | 100 |
| 20 | 775718 | 6615204 | 300 | 3 | Sodic | Eutrophic | Red | Dermosol | Yes | N | 140+ | - | - | - | - | - | 185 | no | lower slope | waxing | | 100 |
| 21 | 776117 | 6615195 | 308 | 2 | Mottled-Sodic | Eutrophic | Brown | Chromosol | No | W | 90 | 25 | - | - | 25 | - | 96 | no | upper slope | waxing | tuff | 100 |
| 22 | 771774 | 6614096 | 337 | 3 | Acidic | Regolithic | Red-Orthic | Tenosol | No | W | 140+ | - | - | - | - | - | 75 | no | upper slope | waning | | 100 |
| 23 | 774393 | 6614760 | 329 | 7 | Calcareous | Lithic | Leptic | Tenosol | No | NE | 45 | - | - | - | - | 15 | 95 | no | simple | - | volcanic conglomerate | 80 |
| 24 | 774825 | 6614755 | 309 | 3 | Endocalcareous-Endohypersodic | Epipedal | Brown | Vertosol | No | NE | 140+ | 120 | - | - | 120 | 20 | 102 | no | lower slope | waning | | 100 |
| 25 | 775268 | 6614746 | 317 | 2 | Sodic | Hypocalcic | Red | Dermosol | No | NE | 95 | - | - | - | - | 15 | 151 | no | midslope | waxing | volcanic breccia | 100 |
| 26 | 775709 | 6614757 | 308 | 2 | Mottled | Eutrophic | Red | Dermosol | No | N | 140+ | 60 | - | - | 60 | - | 124 | no | upper slope | waxing | | 100 |
| 27 | 776110 | 6614746 | 311 | 2 | Mottled | Eutrophic | Red | Dermosol | No | NW | 140+ | 40 | - | - | 40 | - | 104 | no | upper slope | waxing | | 100 |
| 28 | 774425 | 6614327 | 337 | 14 | Endocalcareous-Endohypersodic | Epipedal | Red | Vertosol | No | E | 100 | - | - | - | - | 15 | 149 | no | simple | - | conglomerate | 70 |
| 29 | 774824 | 6614308 | 316 | 7 | Basic | Lithic | Leptic | Tenosol | No | S | 40 | - | - | - | - | - | 34 | no | simple | - | shale | 70 |
| 30 | 775266 | 6614314 | 317 | 4 | Mottled | Supracalcic | Red | Kandosol | No | E | 140+ | 60 | - | - | 60 | 30 | 114 | no | midslope | waning | | 100 |
| 31 | 775752 | 6614313 | 316 | 2 | Hypocalcic | Subnatric | Red | Sodosol | No | W | 140+ | - | 90 | - | 90 | 45 | 99 | no | simple | - | | 90 |
| 32 | 776104 | 6614310 | 323 | 1 | Haplic | Eutrophic | Red | Dermosol | Yes | W | 80 | - | - | - | - | - | 168 | no | upper slope | waxing | basalt | 100 |
| 33 | 774425 | 6613855 | 318 | 3 | Eutrophic | Mottled-Mesonatric | Brown | Sodosol | No | SE | 105 | 30 | - | 105 | 30 | - | 92 | no | simple | - | | 90 |
| 34 | 774833 | 6613857 | 303 | 3 | Vertic | Regolithic | Supracalcic | Calcarosol | No | SE | 140+ | - | - | - | - | 10 | 102 | no | simple | - | | 100 |
| 35 | 775278 | 6613852 | 299 | 4 | Sodic | Supracalcic | Red | Dermosol | No | SE | 140+ | - | - | - | - | 35 | 135 | no | midslope | waxing | | 90 |
| 36 | 775718 | 6613866 | 302 | 2 | Haplic | Epipedal | Red | Vertosol | Yes | S | 140+ | - | - | - | - | - | 198 | no | simple | - | | 100 |
| 37 | 776088 | 6613855 | 312 | 4 | Haplic | Self-mulching | Brown | Vertosol | Yes | SW | 140+ | - | - | - | - | - | 210 | no | midslope | waxing | | 100 |
| 38 | 773975 | 6613283 | 317 | 2 | Mottled | Eutrophic | Red | Chromosol | No | N | 140+ | 60 | - | - | 60 | - | 102 | no | lower slope | waxing | | 80 |
| 39 | 774367 | 6613381 | 308 | 3 | Mottled | Eutrophic | Red | Kandosol | No | N | 130+ | 70 | - | 70 | 70 | - | 128 | no | lower slope | waxing | | 100 |
| 40 | 774846 | 6613418 | 309 | 2 | Hypocalcic | Mottled-Subnatric | Red | Sodosol | No | SE | 105+ | 70 | - | - | 70 | 35 | 99 | no | simple | - | | 80 |
| 41 | 775259 | 6613409 | 304 | 1 | Sodic | Supracalcic | Red | Dermosol | No | SW | 140+ | 90 | - | - | 90 | 12 | 89 | no | crest | waxing | volcanic conglomerate | 70 |
| 42 | 775708 | 6613419 | 297 | 4 | Eutrophic | Mottled-Subnatric | Red | Sodosol | No | NE | 140+ | 85 | - | - | 85 | - | 195 | no | simple | - | | 90 |
| 43 | 776108 | 6613413 | 294 | 4 | Mottled | Eutrophic | Red | Dermosol | No | SW | 100 | 65 | - | - | 65 | - | 127 | no | midslope | waxing | andesitic tuff | 100 |
| 44 | 775062 | 6613136 | 298 | 2 | Mottled | Eutrophic | Red | Chromosol | Yes | NE | 135+ | - | - | - | - | 50 | 141 | no | simple | - | | 100 |
| 45 | 775274 | 6612961 | 296 | 1 | Calcareous | - | Stratic | Rudosol | No | E | 140+ | 60 | - | - | 60 | 60 | 155 | no | simple | - | | 100 |
| 46 | 775726 | 6612962 | 292 | 3 | Mottled | Eutrophic | Red | Chromosol | No | N | 130+ | 40 | - | - | 40 | - | 120 | no | lower slope | waxing | | 100 |
| 47 | 776112 | 6612958 | 289 | 1 | Hypocalcic | Mottled-Hypernatric | Brown | Sodosol | No | N | 140+ | 28 | - | - | 28 | 28 | 97 | no | simple | - | | 100 |
| 48 | 773168 | 6613191 | 344 | 4 | Acidic | Regolithic | Red-Orthic | Tenosol | No | SE | 130+ | - | - | - | - | - | 75 | no | simple | - | sandstone | 100 |
| 49 | 774178 | 6612783 | 329 | 6 | Mottled | Eutrophic | Brown | Chromosol | No | NW | 140+ | 30 | - | - | 30 | 80 | 116 | no | simple | - | | 70 |
| 50 | 774419 | 6612553 | 325 | 12 | Epicalcareous-Endohypersodic | Self-mulching | Grey | Vertosol | No | SE | 140+ | 70 | - | 8 | 8 | 8 | 245 | no | simple | - | | 100 |
| 51 | 775073 | 6612783 | 298 | 3 | Sodic | Supracalcic | Red | Kandosol | No | NE | 140+ | - | - | - | - | 25 | 100 | no | midslope | waxing | | 80 |
| 52 | 775271 | 6612524 | 301 | 2 | Endocalcareous-Endohypersodic | Epipedal | Red | Vertosol | No | SE | 125+ | - | - | - | - | 60 | 176 | no | simple | - | | 100 |
| 53 | 775687 | 6612633 | 296 | 2 | Mottled | Supracalcic | Red | Chromosol | No | SE | 140+ | 60 | - | - | 60 | 60 | 203 | no | upper slope | waxing | | 20 |
| 54 | 776317 | 6612773 | 288 | 2 | Eutrophic | Mottled-Hypernatric | Brown | Sodosol | No | NE | 140+ | 42 | - | 35 | 35 | - | 84 | no | simple | - | | 100 |
| 55 | 774389 | 6612246 | 324 | 6 | Hypocalcic | Mottled-Mesonatric | Brown | Sodosol | No | E | 140+ | - | - | - | - | 40 | 154 | no | simple | - | | 100 |
| 56 | 774811 | 6612189 | 311 | 4 | Hypocalcic | Mottled-Mesonatric | Red | Sodosol | No | E | 140+ | 30 | - | - | 30 | 80 | 105 | no | simple | - | | 100 |
| 57 | 775231 | 6612102 | 300 | 3 | Mottled-Sodic | Hypocalcic | Red | Dermosol | No | E | 140+ | 95 | - | - | 95 | 85 | 208 | no | simple | - | | 100 |
| 58 | 775732 | 6612007 | 296 | 1 | Mottled | Eutrophic | Red | Dermosol | No | NE | - | 60 | - | - | 60 | - | 193 | no | simple | - | | 100 |
| 59 | 771938 | 6611466 | 375 | 4 | Acidic | Lithic | Brown-Orthic | Tenosol | No | NE | 120 | - | - | - | - | - | 38 | no | simple | - | | 100 |
| 60 | 776364 | 6611605 | 288 | 1 | Eutrophic | Mottled-Subnatric | Brown | Sodosol | No | NE | 75 | 42 | - | - | 42 | - | 84 | no | upper slope | waxing | volcanic conglomerate | 90 |
| 61 | 776286 | 6611139 | 282 | 2 | Hypocalcic | Mottled-Mesonatric | Red | Sodosol | No | SE | 140+ | 65 | - | - | 65 | 10 | 95 | no | midslope | waxing | | 70 |
| 62 | 776281 | 6610723 | 276 | 3 | Basic | - | Stratic | Rudosol | No | SE | 140+ | 65 | - | - | 65 | - | 100 | no | simple | - | | 90 |

| Map ID | Easting, m (WGS84) | Northing, m (WGS84) | Altitude (mAHD) | Slope (%) | ASC Subgroup | ASC Great Group | Suborder | Order | BSAL | Aspect | Depth to rock >90% (cm) | Depth to mottled layer >10% d or | Depth to Mn layer >20% | Depth to grey, gley, bleached layer (cm) | Depth to water-logged layer | Depth to lime (cm) | TAW (0-100 cm) (mm) | Water in Pit (dS/m) | Topography | | Parent Material (rock type) | Ground Cover (%) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | Site Morphology | Slope Morphology | | |
| 63 | 776130 | 6610286 | 279 | 3 | Eutrophic | Mottled-Mesonatric | Red | Sodosol | No | E | 88 | 58 | - | - | 58 | - | 97 | no | simple | - | red sandstone | 90 |
| 64 | 772010 | 6609930 | 583 | 2 | Acidic | Regolithic | Red-Orthic | Tenosol | No | W | 140+ | - | - | - | - | - | 95 | no | simple | - | | 100 |
| 65 | 772983 | 6610948 | 358 | 3 | Acidic | Regolithic | Red-Orthic | Tenosol | No | NW | 140+ | - | - | - | - | - | 75 | no | simple | - | sandstone | 100 |
| 66 | 776057 | 6609857 | 284 | 6 | Eutrophic | Mottled-Hypernatric | Brown | Sodosol | No | SE | 125+ | 45 | - | - | 45 | - | 111 | no | simple | - | | 100 |
| 67 | 776013 | 6609561 | 275 | 4 | Eutrophic | Mottled-Hypernatric | Red | Sodosol | No | E | 140+ | 105 | - | - | 105 | - | 148 | no | simple | - | | 70 |
| 68 | 774869 | 6610093 | 306 | 3 | Haplic | Eutrophic | Red | Dermosol | No | SW | 140+ | - | - | - | - | 55 | 144 | no | midslope | waxing | | 30 |
| 69 | 775403 | 6609991 | 300 | 6 | Acidic | Lithic | Leptic | Tenosol | No | SW | 60 | - | - | - | - | - | 13 | no | midslope | waxing | | 100 |

| Map ID | Layer number | Horizon | Lower depth (cm) | Texture | pH water | Moist soil colour (Munsell) | Colour from Munsell sheet | Mottles | Mn | SOILpak compaction score | Coarse fragments % GV | Coarse fragments size | Dispersion 10 minutes | Moisture | Lime | | Root score |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | % | Type | |
| 1 | 1 | A1 | 20 | LS | 5.5 | 7.5YR3/2 | Dark brown | - | - | 1.7 | - | - | 0 | M | 0 | - | 3 |
| 1 | 2 | A3 | 110 | LS | 5.5 | 10YR7/3 | Very pale brown | - | - | 1.7 | - | - | 1 | M | 0 | - | 2 |
| 1 | 3 | B2 | 140+ | SCL | 4.5 | 10YR5/6 | Yellowish brown | 40% grey distinct | - | 1.5 | - | - | 0 | M | 0 | - | 1 |
| 2 | 1 | A1 | 12 | FSCL | 5.5 | 7.5YR2.5/2 | Very dark brown | - | - | 1.7 | - | - | 2 | M | 0 | - | 3 |
| 2 | 2 | B21 | 50 | HC | 6 | 5YR4/4 | Reddish brown | - | - | 1.1 | - | - | 2 | M | 0 | - | 2 |
| 2 | 3 | B22 | 80 | MC | 8 | 5YR4/6 | Yellowish red | 10% grey faint | - | 0.7 | - | - | 1 | S | 10 | S | 1 |
| 2 | 4 | B23 | 140+ | MC | 8 | 10YR5/3 | Brown | 20% red distinct | - | 0.9 | - | - | 1 | S | 2 | S | 0 |
| 3 | 1 | A1 | 10 | MC | 6.5 | 7.5YR3/3 | Dark brown | - | - | 1.7 | 10 | 15 | 3 | M | 0 | - | 2 |
| 3 | 2 | B21 | 60 | MHC | 9 | 7.5YR4/6 | Strong brown | 10 yellow faint | - | 1.1 | 70 | 10-120 | 2 | M | 10 | S | 1 |
| 3 | 3 | B22 | 90 | MC | 6.5 | 10YR5/4 | Yellowish brown | - | - | 0.7 | - | - | 0 | D | 0 | - | 0 |
| 3 | 4 | B3 | 140+ | MC | 6.5 | 10YR5/4 | Yellowish brown | 20 grey distinct | - | 0.7 | 20 | 20 | 0 | D | 0 | - | 0 |
| 4 | 1 | A1 | 10 | LMC | 5.5 | 7.5YR7/3 | Pink | - | - | 1.7 | - | - | 3 | M | 0 | - | 2 |
| 4 | 2 | B21 | 40 | HC | 7 | 5YR3/4 | Dark reddish brown | - | - | 0.5 | - | - | 2 | M | 0 | - | 1 |
| 4 | 3 | B22 | 90 | LC | 8.5 | 5YR4/4 | Reddish brown | 20% grey faint | - | 0.6 | - | - | 1 | D | 5 | N | 1(80) |
| 4 | 4 | BC | 130+ | | | | #N/A | | | | 95 | - | | | | | |
| 5 | 1 | A1 | 15 | LC | 5.5 | 7.5YR4/6 | Strong brown | - | - | 1.5 | - | - | 0 | M | 0 | - | 3 |
| 5 | 2 | B2 | 80 | LC | 6 | 7.5YR4/6 | Strong brown | 20% grey faint | 10% 5mm | 1.0 | 5 | 20 | 0 | S | 0 | - | 1(40) |
| 5 | 3 | 2B | 140+ | SCL | 7 | 7.5YR4/6 | Strong brown | 30% grey distinct | - | 1.1 | 10 | 15 | 0 | D | 0 | - | 0 |
| 6 | 1 | A1 | 15 | LC | 5.5 | 5YR4/3 | Reddish brown | - | - | 1.7 | 10 | 10 | 0 | M | 0 | - | 3 |
| 6 | 2 | B21 | 35 | LC | 5.5 | 5YR4/6 | Yellowish red | - | - | 1.5 | 20 | 10 | 0 | S | 0 | - | 2 |
| 6 | 3 | B22 | 80 | LC | 5.5 | 5YR4/6 | Yellowish red | - | - | 1.6 | 70 | 10 | 0 | D | 0 | - | 1 |
| 6 | 4 | C | 100+ | | | | #N/A | | | | | | | | | | |
| 7 | 1 | A1 | 20 | SCL | 4.5 | 7.5YR3/2 | Dark brown | - | - | 1.5 | - | - | 1 | M | 0 | - | 3 |
| 7 | 2 | A2 | 55 | SL | 5.5 | 7.5YR5/3 | Brown | - | 5% 3mm | 1.3 | 20 | 7 | 3 | M | 0 | - | 2 |
| 7 | 3 | B2 | 75 | SLC | 5.5 | 10YR6/8 | Brownish yellow | 40% grey distinct | - | 1.1 | 10 | 10 | 3 | M | 0 | - | 1 |
| 7 | 4 | C | | | | | #N/A | | | | | | | | | | |
| 8 | 1 | A1 | 25 | LC | 8.5 | 7.5YR3/3 | Dark brown | - | - | 0.8 | - | - | 0 | M | 0 | - | 2 |
| 8 | 2 | B21 | 90 | LMC | 8.5 | 7.5YR5/4 | Brown | - | - | 0.5 | - | - | 2 | D | 30 | S | 1 (60) |
| 8 | 3 | B22 | 145 | LMC | 8.5 | 10YR5/3 | Brown | 20% grey distinct | - | 0.6 | - | - | 1 | D | 2 | S | 0 |
| 9 | 1 | A1 | 10 | LC | 6 | 7.5YR3/3 | Dark brown | - | - | 1.7 | - | - | 2 | M | 0 | - | 2 |
| 9 | 2 | B1 | 40 | MC | 7.5 | 7.5YR3/3 | Dark brown | - | - | 1.2 | - | - | 2 | M | 0 | - | 2 |
| 9 | 3 | B2 | 120+ | MHC | 8 | 7.5YR3/4 | Dark brown | - | - | 0.7 | - | - | 2 | D | 15 | S | 1 |
| 10 | 1 | A1 | 10 | MHC | 8 | 7.5YR3/4 | Dark brown | - | - | 1.7 | - | - | 0 | M | 10 | D | 1 |
| 10 | 2 | B21 | 30 | MHC | 8.5 | 5YR4/6 | Yellowish red | - | - | 1.0 | - | - | 1 | M | 10 | D | 1 |
| 10 | 3 | B22 | 70 | MC | 8.5 | 5YR4/4 | Reddish brown | - | - | 0.5 | - | - | 0 | D | 20 | D,S | 1(40) |
| 10 | 4 | B23 | 140+ | MC | 8 | 5YR4/4 | Reddish brown | 20% grey faint | 10% 5mm | 0.7 | - | - | 0 | M | 10 | D | 0 |
| 11 | 1 | A1 | 10 | MC | 5.5 | 7.5YR2.5/3 | Very dark brown | - | - | 1.5 | - | - | 3 | M | 0 | - | 2 |

| Map ID | Layer number | Horizon | Lower depth (cm) | Texture | pH water | Moist soil colour (Munsell) | Colour from Munsell sheet | Mottles | Mn | SOILpak compaction score | Coarse fragments % GV | Coarse fragments size | Dispersion 10 minutes | Moisture | Lime | | Root score |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | % | Type | |
| 11 | 2 | B1 | 30 | MHC | 7.5 | 7.5YR4/3 | Brown | - | - | 0.8 | - | - | 2 | M | 0 | - | 1 |
| 11 | 3 | B21 | 90 | LMC | 9 | 7.5YR4/6 | Strong brown | - | - | 0.5 | - | - | 0 | S | 20 | S | 1(80) |
| 11 | 4 | B22 | 140+ | LMC | 8 | 7.5YR4/6 | Strong brown | 20% grey distinct | - | 1.2 | - | - | 0 | D | 2 | S | 0 |
| | | | | | | | | | | | | | | | | | |
| 12 | 1 | A1 | 22 | LC | 5.5 | 5YR3/3 | Dark reddish brown | - | - | 1.9 | - | - | 2 | M | 0 | - | 3 |
| 12 | 2 | B21 | 50 | LMC | 6 | 5YR3/4 | Dark reddish brown | - | - | 1.5 | - | - | 2 | M | 0 | - | 2 |
| 12 | 3 | B22 | 140+ | LC | 6 | 2.5YR4/4 | Reddish brown | - | 15% 5mm | 1.6 | - | - | 1 | S | 0 | - | 1(100) |
| | | | | | | | | | | | | | | | | | |
| 13 | 1 | A1 | 15 | CL | 5.5 | 5YR3/3 | Dark reddish brown | - | - | 1.9 | 10 | 7 | 0 | M | 0 | - | 3 |
| 13 | 2 | A3 | 30 | LC | 6 | 5YR3/3 | Dark reddish brown | - | - | 1.8 | 10 | 7 | 0 | M | 0 | - | 2 |
| 13 | 3 | B21 | 70 | LC | 6 | 10R3/4 | Dusky red | - | - | 1.5 | 30 | 5 | 0 | M | 0 | - | 2 |
| 13 | 4 | B22 | 90 | LC | 5.5 | 10R4/4 | Weak red | 30% grey distinct | - | 1.5 | 20 | 25 | 0 | M | 0 | - | 1 |
| 13 | 5 | BC | 140+ | | | | #N/A | | | | 95 | - | | | | | 0 |
| | | | | | | | | | | | | | | | | | |
| 14 | 1 | A11 | 15 | LS | 4.5 | 5YR4/3 | Reddish brown | - | - | 1.7 | - | - | 0 | M | 0 | - | 4 |
| 14 | 2 | A12 | 50 | CS | 4.5 | 5YR4/4 | Reddish brown | - | - | 1.5 | - | - | 0 | M | 0 | - | 3 |
| 14 | 3 | B2 | 100 | CS | 4.5 | 2.5YR4/6 | Red | - | - | 1.5 | - | - | 0 | M | 0 | - | 2 |
| 14 | 4 | BC | 120+ | | 4 | | #N/A | - | - | - | 95 | - | 0 | M | 0 | - | 1 |
| | | | | | | | | | | | | | | | | | |
| 15 | 1 | A11 | 12 | LS | 5.5 | 10YR3/2 | Very dark greyish brown | - | - | 1.8 | - | - | 0 | M | 0 | - | 3 |
| 15 | 2 | A12 | 25 | LS | 5.5 | 10YR5/3 | Brown | - | - | 1.5 | - | - | 1 | M | 0 | - | 1 |
| 15 | 3 | A2 | 75 | LS | 5.5 | 10YR6/4 | Light yellowish brown | - | - | 1.6 | - | - | 2 | M | 0 | - | 1 |
| 15 | 4 | B2 | 140+ | LC | 5 | 10YR5/8 | Yellowish brown | 30% grey prominent, 15% red prominent | - | 0.8 | - | - | 1 | M | 0 | - | 0 |
| | | | | | | | | | | | | | | | | | |
| 16 | 1 | A1 | 10 | LC | 4.5 | 5YR4/2 | Dark reddish grey | - | - | 0.7 | 5 | 15 | 0 | M | 0 | - | 0 |
| 16 | 2 | B2 | 35 | LC | 4 | 5YR5/6 | Yellowish red | - | - | 0.9 | 10 | 15 | 0 | D | 0 | - | 0 |
| 16 | 3 | BC | 100 | - | 4.5 | - | #N/A | - | - | - | 95 | 15 | 0 | D | 0 | - | 0 |
| 16 | 4 | C | 120+ | | | | #N/A | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| 17 | 1 | A1 | 15 | LC | 5.5 | 7.5YR2.5/3 | Very dark brown | - | - | 1.7 | - | - | 1 | M | 0 | - | 2 |
| 17 | 2 | B21 | 30 | MHC | 6 | 7.5YR3/4 | Dark brown | - | - | 1.0 | - | - | 2 | M | 0 | - | 1 |
| 17 | 3 | B22 | 55 | MC | 7.5 | 7.5YR3/3 | Dark brown | - | - | 1.0 | - | - | 0 | M | 5 | D | 1 |
| 17 | 4 | B23 | 100 | MC | 8 | 7.5YR3/4 | Dark brown | 20% grey faint | - | 0.5 | - | - | 0 | S | 25 | S | 1 |
| 17 | 5 | B3 | 130+ | LC | 7.5 | 7.5YR3/4 | Dark brown | - | - | 0.8 | - | - | 0 | S | 10 | N | 0 |
| | | | | | | | | | | | | | | | | | |
| 18 | 1 | A1 | 15 | LMC | 8 | 5YR3/3 | Dark reddish brown | - | - | 1.3 | - | - | 0 | M | 5 | D | 2 |
| 18 | 2 | B1 | 30 | LMC | 8 | 5YR4/4 | Reddish brown | - | - | 1.1 | - | - | 0 | M | 10 | D | 2 |
| 18 | 3 | B2 | 130+ | LMC | 9.5 | 5YR5/4 | Reddish brown | - | - | 0.7 | - | - | 1 | D | 20 | S | 1 (110) |
| | | | | | | | | | | | | | | | | | |
| 19 | 1 | A1 | 5 | LC | 6 | 10YR3/2 | Very dark greyish brown | - | - | 1.2 | - | - | 2 | M | 0 | - | 1 |
| 19 | 2 | B1 | 20 | MHC | 7.5 | 10YR2/2 | Very dark brown | - | - | 0.8 | - | - | 2 | M | 0 | - | 1 |
| 19 | 3 | B21 | 55 | MHC | 8.5 | 10YR4/4 | Dark yellowish brown | - | - | 0.9 | - | - | 1 | M | 10 | S | 1 |
| 19 | 4 | B22 | 140+ | LC | 4.5 | 10YR4/3 | Brown | 10% grey faint | - | 0.6 | - | - | 0 | D | 0 | - | 1 (80) |
| | | | | | | | | | | | | | | | | | |
| 20 | 1 | A1 | 15 | LC | 5.5 | 5YR4/4 | Reddish brown | - | - | 1.9 | - | - | 2 | M | 0 | - | 3 |
| 20 | 2 | B1 | 40 | LC | 6 | 5YR3/4 | Dark reddish brown | - | - | 1.5 | - | - | 0 | M | 0 | - | 3 |
| 20 | 3 | B21 | 80 | LC | 6 | 2.5YR4/4 | Reddish brown | - | 10% 3mm | 1.7 | - | - | 0 | M | 0 | - | 2 |

| Map ID | Layer number | Horizon | Lower depth (cm) | Texture | pH water | Moist soil colour (Munsell) | Colour from Munsell sheet | Mottles | Mn | SOILpak compaction score | Coarse fragments % GV | Coarse fragments size | Dispersion 10 minutes | Moisture | Lime | | Root score |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | % | Type | |
| 20 | 4 | B22 | 140+ | LC | 6.5 | 2.5YR4/6 | Red | - | 20% 5mm | 1.3 | - | - | 1 | D | 0 | - | 1 |
| | | | | | | | | | | | | | | | | | |
| 21 | 1 | A1 | 8 | CL | 5.5 | 5YR3/3 | Dark reddish brown | - | - | 1.9 | - | - | 1 | M | 0 | - | 2 |
| 21 | 2 | A3 | 25 | LC | 6 | 5YR3/4 | Dark reddish brown | - | 2% 2mm | 1.9 | - | - | 3 | M | 0 | - | 2 |
| 21 | 3 | B21 | 40 | HC | 7 | 10YR4/6 | Dark yellowish brown | 20 red distinct | 10% 3mm | 0.8 | - | - | 2 | M | 0 | - | 1 |
| 21 | 4 | B22 | 90 | HC | 7.5 | 10YR4/4 | Dark yellowish brown | - | 10% 3mm | 0.5 | 5 | 20 | 1 | D | 0 | - | 1(70) |
| 21 | 5 | BC | 130+ | | | | #N/A | | | | 95 | - | | | | | |
| | | | | | | | | | | | | | | | | | |
| 22 | 1 | A11 | 15 | LS | 4.5 | 5YR4/3 | Reddish brown | - | - | 1.8 | - | - | 0 | M | 0 | - | 3 |
| 22 | 2 | A12 | 40 | LS | 5 | 5YR4/4 | Reddish brown | - | - | 1.7 | - | - | 0 | M | 0 | - | 3 |
| 22 | 3 | A3 | 75 | LS | 5 | 2.5YR4/6 | Red | 5% yellow distinct | - | 1.5 | - | - | 0 | M | 0 | - | 3 |
| 22 | 4 | B1 | 140+ | LS | 5.5 | 2.5YR4/8 | Red | 5% yellow distinct | - | 1.5 | - | - | 0 | M | 0 | - | 2 |
| | | | | | | | | | | | | | | | | | |
| 23 | 1 | A1 | 15 | LC, S | 5.5 | 5YR3/2 | Dark reddish brown | - | - | 1.4 | - | - | 3 | M | 0 | - | 2 |
| 23 | 2 | B1 | 45 | MC | 8.5 | 5YR4/4 | Reddish brown | - | - | 1.1 | - | - | 0 | M | 20 | S | 1 |
| 23 | 3 | C | 47+ | | | | #N/A | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| 24 | 1 | A1 | 10 | LMC | 5 | 5YR3/2 | Dark reddish brown | - | - | 1.5 | - | - | 1 | M | 0 | - | 3 |
| 24 | 2 | B1 | 20 | MHC | 7.5 | 5YR3/3 | Dark reddish brown | - | - | 0.8 | - | - | 1 | M | 0 | - | 2 |
| 24 | 3 | B21 | 65 | MC | 9 | 7.5YR4/3 | Brown | - | - | 0.7 | - | - | 1 | M | 10 | S | 1 |
| 24 | 4 | B22 | 120 | MC | 4 | 7.5YR4/6 | Strong brown | - | - | 0.7 | - | - | 0 | S | 0 | - | 0 |
| 24 | 5 | B23 | 140+ | MC | 4 | 7.5YR4/6 | Strong brown | 20% grey distinct | - | 1.0 | - | - | 0 | S | 0 | - | 0 |
| | | | | | | | | | | | | | | | | | |
| 25 | 1 | A1 | 15 | MC | 6 | 2.5YR3/3 | Dark reddish brown | - | - | 1.5 | 10 | 120 | 3 | M | 0 | - | 2 |
| 25 | 2 | B21 | 60 | HC | 9 | 2.5YR3/4 | Dark reddish brown | - | - | 1.2 | - | - | 0 | M | 5 | S | 1 |
| 25 | 3 | B22 | 95 | MC | 7.5 | 2.5YR4/4 | Reddish brown | - | - | 0.8 | - | - | 0 | M | 0 | - | 1 |
| 25 | 4 | C | 100+ | | | | #N/A | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| 26 | 1 | A1 | 15 | LC | 5.5 | 10YR3/3 | Dark Brown | - | - | 1.8 | - | - | 0 | M | 0 | - | 3 |
| 26 | 2 | B1 | 60 | LC | 6 | 10YR3/4 | Dark Yellowish brown | - | - | 1.6 | 10 | 15 | 0 | M | 0 | - | 2 |
| 26 | 3 | B2 | 140+ | LC | 6 | 10YR5/6 | Yellowish brown | 20% red distinct | 10% 5mm | 1.6 | 60 | 10 | 0 | M | 0 | - | 1(80) |
| | | | | | | | | | | | | | | | | | |
| 27 | 1 | A1 | 18 | LC | 5 | 2.5YR3/3 | Dark reddish brown | - | - | 1.7 | - | - | 2 | M | 0 | - | 2 |
| 27 | 2 | B1 | 40 | LC | 6 | 2.5YR3/4 | Dark reddish brown | - | GV Mn coated | 1.8 | 50 | 15 | 2 | M | 0 | - | 2 |
| 27 | 3 | B21 | 75 | LC | 8 | 10YR5/4 | Yellowish brown | 20% red distinct | GV Mn coated | 1.0 | 20 | 7 | 0 | M | 0 | - | 1(60) |
| 27 | 4 | B22 | 140+ | MHC | 8 | 10YR5/3 | Brown | - | - | 0.3 | | - | 0 | S | 0 | - | 0 |
| | | | | | | | | | | | | | | | | | |
| 28 | 1 | A1 | 15 | LC | 7.5 | 5YR3/3 | Dark reddish brown | - | - | 1.3 | 5 | 7 | 0 | M | 0 | - | 3 |
| 28 | 2 | B21 | 40 | LC | 8 | 5YR4/3 | Reddish brown | - | - | 1.3 | 10 | 20 | 0 | S | 10 | S/D | 3 |
| 28 | 3 | B22 | 100 | LC | 9 | 5YR3/3 | Dark reddish brown | - | - | 1.1 | 30 | 15 | 0 | S | 30 | S | 2 |
| 28 | 4 | C | 110+ | | | | #N/A | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| 29 | 1 | A1 | 15 | LC | 5.5 | 5YR3/3 | Dark reddish brown | - | - | 1.4 | 50 | 20 | 0 | M | 0 | - | 3 |
| 29 | 2 | B2 | 40 | MHC | 7.5 | 5YR4/4 | Reddish brown | - | - | 1.6 | 60 | 60 | 0 | M | 0 | - | 2 |
| 29 | 3 | C | 45+ | | | | #N/A | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |

| Map ID | Layer number | Horizon | Lower depth (cm) | Texture | pH water | Moist soil colour (Munsell) | Colour from Munsell sheet | Mottles | Mn | SOILpak compaction score | Coarse fragments % GV | Coarse fragments size | Dispersion 10 minutes | Moisture | Lime | | Root score |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | % | Type | |
| 30 | 1 | A1 | 20 | LC | 5.5 | 5YR3/2 | Dark reddish brown | - | - | 1.6 | - | - | 3 | M | 0 | - | 3 |
| 30 | 2 | B1 | 30 | HC | 6 | 5YR3/4 | Dark reddish brown | - | - | 0.8 | - | - | 0 | M | 0 | - | 2 |
| 30 | 3 | B21 | 60 | MHC | 9 | 5YR3/4 | Dark reddish brown | - | - | 0.6 | - | - | 0 | S | 5 | S | 1 |
| 30 | 4 | B22 | 140+ | LC | 9 | 7.5YR4/6 | Strong brown | 20% grey distinct | - | 1.0 | - | - | 0 | D | 20 | S | 1(120) |
| | | | | | | | | | | | | | | | | | |
| 31 | 1 | A1 | 15 | CL | 5.5 | 2.5YR3/3 | Dark reddish brown | - | - | 0.9 | - | - | 2 | M | 0 | - | 2 |
| 31 | 2 | B21 | 45 | LMC | 7.5 | 2.5YR3/4 | Dark reddish brown | - | - | 0.8 | - | - | 1 | M | 0 | - | 2 |
| 31 | 3 | B22 | 70 | LMC | 8.5 | 2.5YR3/4 | Dark reddish brown | - | - | 0.6 | - | - | 0 | S | 10 | S | 1 |
| 31 | 4 | B31 | 90 | LC | 8.5 | 5YR4/6 | Yellowish red | - | - | 0.7 | - | - | 0 | D | 5 | S | 1 |
| 31 | 5 | B32 | 140+ | LC | 8 | 7.5YR4/6 | Strong brown | 10% grey faint | 25% 5mm | 1.3 | - | - | 0 | D | 0 | - | 0 |
| | | | | | | | | | | | | | | | | | |
| 32 | 1 | A1 | 10 | LC | 5.5 | 2.5YR3/4 | Dark reddish brown | - | - | 1.7 | - | - | 0 | M | 0 | - | 2 |
| 32 | 2 | B21 | 40 | MC | 7.5 | 2.5YR4/4 | Reddish brown | - | - | 1.1 | - | - | 0 | M | 0 | - | 1 |
| 32 | 3 | B22 | 80 | LMC | 7.5 | 2.5YR4/4 | Reddish brown | - | - | 1.1 | - | - | 0 | S | 0 | - | 1 |
| 32 | 4 | C | 90+ | | | | #N/A | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| 33 | 1 | A1 | 10 | SL | 5 | 7.5YR3/4 | Dark brown | - | - | 1.8 | - | - | 0 | M | 0 | - | 3 |
| 33 | 2 | A2 | 30 | CS | 5.5 | 7.5YR4/4 | Brown | - | - | 1.5 | - | - | 0 | M | 0 | - | 2 |
| 33 | 3 | B2 | 105 | LMC,S | 8 | 10YR4/4 | Dark yellowish brown | 40% grey distinct | - | 0.7 | - | - | 2 | M | 0 | - | 1(50) |
| 33 | 4 | BC | 140+ | LC | 6.5 | 2.5Y5/2 | Greyish brown | 15% yellow distinct | - | 0.9 | 95 | - | 1 | S | 0 | - | 0 |
| | | | | | | | | | | | | | | | | | |
| 34 | 1 | A1 | 10 | LC | 5.5 | 7.5YR2.5/2 | Very dark brown | - | - | 1.7 | - | - | 3 | M | 0 | - | 2 |
| 34 | 2 | B1 | 30 | LMC | 9 | 5YR4/3 | Reddish brown | - | - | 0.8 | - | - | 1 | M | 30 | S | 2 |
| 34 | 3 | B21 | 80 | MC | 9 | 5YR4/4 | Reddish brown | - | - | 0.9 | - | - | 0 | S | 25 | S | 1(70) |
| 34 | 4 | B22 | 140+ | MC | 8 | 5YR4/4 | Reddish brown | - | - | 0.6 | - | - | 0 | S | 0 | - | 0 |
| | | | | | | | | | | | | | | | | | |
| 35 | 1 | A1 | 15 | LC | 5 | 2.5YR3/4 | Dark reddish brown | - | - | 1.6 | 10 | 30 | 2 | M | 0 | - | 2 |
| 35 | 2 | B1 | 35 | MHC | 8 | 2.5YR3/4 | Dark reddish brown | - | - | 1.2 | 10 | 30 | 1 | M | 0 | - | 2 |
| 35 | 3 | B21 | 85 | LMC | 9 | 2.5YR4/4 | Reddish brown | - | - | 1.0 | 5 | 30 | 0 | S | 20 | S | 1 |
| 35 | 4 | B22 | 140+ | LC | 8.5 | 5YR4/6 | Yellowish red | - | - | 1.1 | 5 | 40 | 0 | S | 30 | S | 0 |
| | | | | | | | | | | | | | | | | | |
| 36 | 1 | A1 | 12 | LC | 5 | 10R3/3 | Dusky red | - | - | 1.3 | - | - | 0 | M | 0 | - | 2 |
| 36 | 2 | B21 | 40 | LMC | 6 | 10R3/4 | Dusky red | - | 5% 5mm | 1.4 | 5 | 7 | 0 | M | 0 | - | 2 |
| 36 | 3 | B22 | 140+ | LC | 7.5 | 10R4/6 | Red | - | 2% 5mm | 1.3 | 5 | 7 | 0 | S | 0 | - | 1 |
| | | | | | | | | | | | | | | | | | |
| 37 | 1 | A1 | 15 | MHC | 5.5 | 7.5YR3/3 | Dark brown | - | - | 1.7 | - | - | 0 | M | 0 | - | 2 |
| 37 | 2 | B1 | 45 | MHC | 8 | 7.5YR3/4 | Dark brown | - | - | 1.3 | - | - | 0 | M | 0 | - | 1 |
| 37 | 3 | B21 | 80 | MC | 8.5 | 7.5YR4/4 | Brown | - | - | 1.1 | - | - | 0 | S | 0 | - | 2 |
| 37 | 4 | B22 | 140+ | LC | 8 | 7.5YR4/6 | Strong brown | - | - | 1.1 | - | - | 0 | S | 0 | - | 1 |
| | | | | | | | | | | | | | | | | | |
| 38 | 1 | A1 | 17 | SCL | 4.5 | 2.5YR4/3 | Reddish brown | - | | | | | | | | | |
| 38 | 2 | B21 | 60 | MC | 7 | 2.5YR4/4 | Reddish brown | 20% grey faint | - | 1.1 | - | - | 0 | S | 0 | - | 2 |
| 38 | 3 | B22 | 140+ | LC | 7.5 | 2.5YR5/4 | Reddish brown | 30% grey distinct | - | 0.5 | - | - | 1 | S | 0 | - | 1 |
| | | | | | | | | | | | | | | | | | |
| 39 | 1 | A11 | 15 | FSCL | 5 | 5YR3/3 | Dark reddish brown | - | - | 1.9 | - | - | 0 | M | 0 | - | 4 |
| 39 | 2 | A12 | 35 | SL | 5.5 | 5YR4/4 | Reddish brown | - | - | 1.7 | - | - | 0 | M | 0 | - | 3 |
| 39 | 3 | A3 | 70 | SL | 5.5 | 5YR4/4 | Reddish brown | - | - | 1.3 | - | - | 0 | S | 0 | - | 2 |
| 39 | 4 | B2 | 130+ | LC, S | 6 | 7.5YR5/2 | Brown | 20% yellow distinct | - | 0.5 | - | - | 0 | S | 0 | - | 1 |

| Map ID | Layer number | Horizon | Lower depth (cm) | Texture | pH water | Moist soil colour (Munsell) | Colour from Munsell sheet | Mottles | Mn | SOILpak compaction score | Coarse fragments % GV | Coarse fragments size | Dispersion 10 minutes | Moisture | Lime | | Root score |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | % | Type | |
| 40 | 1 | A1 | 15 | SCL | 4.5 | 5YR3/3 | Dark reddish brown | - | - | 1.1 | - | - | 1 | S | 0 | - | 3 |
| 40 | 2 | A2 | 35 | SL | 5.5 | 5YR5/3 | Reddish brown | - | - | 1.0 | - | - | 3 | S | 0 | - | 3 |
| 40 | 3 | B21 | 70 | LC | 8.5 | 5YR4/4 | Reddish brown | - | - | 0.7 | - | - | 2 | S | 5 | D | 1 |
| 40 | 4 | B22 | 105+ | LC | 8.5 | 5YR4/4 | Reddish brown | 40% grey distinct | - | 0.6 | - | - | 0 | S | 10 | N | 0 |
| | | | | | | | | | | | | | | | | | |
| 41 | 1 | A1 | 12 | CL | 5.5 | 5YR4/4 | Reddish brown | - | - | 0.7 | - | - | 0 | M | 0 | - | 2 |
| 41 | 2 | B1 | 30 | LC | 8 | 5YR4/4 | Reddish brown | - | - | 0.9 | 5 | 10 | 0 | S | 10 | S | 2 |
| 41 | 3 | B2 | 90 | LMC | 8.5 | 5YR5/4 | Reddish brown | - | - | 0.8 | - | - | 0 | D | 30 | S | 1 |
| 41 | 4 | B3 | 140+ | LMC | 7.5 | 5YR6/4 | Light reddish brown | 20% grey distinct | - | 1.0 | 20 | 35 | 0 | D | 0 | - | 1(120) |
| | | | | | | | | | | | | | | | | | |
| 42 | 1 | A1 | 10 | CL | 4 | 2.5YR3/3 | Dark reddish brown | - | - | 1.4 | - | - | 0 | M | 0 | - | 3 |
| 42 | 2 | A3 | 35 | LC | 4 | 2.5YR3/4 | Dark reddish brown | - | 5% 5mm | 1.6 | 5 | 15 | 0 | M | 0 | - | 2 |
| 42 | 3 | B21 | 65 | MHC | 8 | 2.5YR4/4 | Reddish brown | - | - | 1.2 | - | - | 2 | S | 0 | - | 1 |
| 42 | 4 | B22 | 85 | LMC | 8.5 | 2.5YR4/4 | Reddish brown | 20% grey faint | - | 1.4 | - | - | 1 | S | 0 | - | 1 |
| 42 | 5 | B23 | 140+ | LMC | 8.5 | 7.5YR5/6 | Strong brown | 30% grey distinct | - | 1.1 | - | - | 0 | S | 0 | - | 1(10) |
| | | | | | | | | | | | | | | | | | |
| 43 | 1 | A1 | 12 | LC | 4.5 | 2.5YR3/3 | Dark reddish brown | - | - | 1.7 | 10 | 15 | 2 | M | 0 | - | 2 |
| 43 | 2 | B1 | 25 | MHC | 5 | 2.5YR3/4 | Dark reddish brown | - | - | 1.2 | - | - | 0 | M | 0 | - | 2 |
| 43 | 3 | B21 | 35 | HC | 6.5 | 2.5YR4/4 | Reddish brown | - | - | 1.1 | - | - | 0 | M | 0 | - | 2 |
| 43 | 4 | B22 | 65 | MC | 7.5 | 2.5YR3/4 | Dark reddish brown | - | - | 0.8 | - | - | 0 | S | 0 | - | 2 |
| 43 | 5 | B23 | 100 | MC | 7 | 2.5YR4/6 | Red | 30% yellow prominent | - | 0.8 | - | - | 0 | S | 0 | - | 1 |
| 43 | 6 | BC | 110 | | | | #N/A | | - | | 95 | - | | | | | |
| 43 | 7 | C | 115+ | | | | #N/A | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| 44 | 1 | A1 | 18 | FSCL | 5.5 | 5YR3/2 | Dark reddish brown | - | - | 1.8 | 2 | 15 | 0 | M | 0 | - | 3 |
| 44 | 2 | B21 | 50 | MHC | 8 | 5YR4/4 | Reddish brown | - | - | 1.5 | - | - | 0 | M | 0 | - | 1 |
| 44 | 3 | B22 | 85 | MC | 9 | 5YR4/3 | Reddish brown | 10% grey faint | - | 1.0 | - | - | 2 | S | 10 | S | 1 |
| 44 | 4 | B23 | 135+ | MC | 9 | 5YR4/3 | Reddish brown | 10% grey faint | - | 0.8 | - | - | 1 | S | 5 | D | 1 |
| | | | | | | | | | | | | | | | | | |
| 45 | 1 | A1 | 20 | ZLC | 5.5 | 5YR3/3 | Dark reddish brown | - | - | 1.8 | - | - | 3 | M | 0 | - | 4 |
| 45 | 2 | 2A | 60 | LC | 6 | 5YR3/2 | Dark reddish brown | - | - | 1.7 | - | - | 2 | M | 0 | - | 2 |
| 45 | 3 | 2B21 | 100 | MHC | 8.5 | 5YR4/4 | Reddish brown | 15% grey distinct | 10% 5mm | 0.8 | - | - | 2 | M | 10 | S | 1 |
| 45 | 4 | 2B22 | 140+ | MC | 8.5 | 5YR4/4 | Reddish brown | 20% grey distinct | - | 0.8 | - | - | 1 | S | 5 | D | 1 |
| | | | | | | | | | | | | | | | | | |
| 46 | 1 | A1 | 20 | CL | 5 | 5YR2.5/2 | Dark Reddish Brown | - | - | 1.7 | - | - | 1 | M | 0 | - | 4 |
| 46 | 2 | A2 | 40 | CL | 5 | 7.5YR4/4 | Brown | - | - | 1.2 | - | - | 3 | M | 0 | - | 3 |
| 46 | 3 | B21 | 80 | MHC | 7.5 | 5YR4/6 | Yellowish red | 50% grey prominent | - | 0.5 | - | - | 1 | S | 0 | - | 1 |
| 46 | 4 | B22 | 130+ | LC | 7.5 | 10YR4/4 | Dark yellowish brown | 10% yellow faint | - | 0.4 | - | - | 0 | S | 0 | - | 1(100) |
| | | | | | | | | | | | | | | | | | |
| 47 | 1 | A1 | 17 | SL | 5 | 10YR3/2 | Very dark greyish brown | - | - | 1.8 | - | - | 2 | M | 0 | - | 3 |
| 47 | 2 | A2 | 28 | CS | 5.5 | 10YR4/4 | Dark yellowish brown | - | - | 1.5 | - | - | 2 | M | 0 | - | 1 |
| 47 | 3 | B21 | 60 | LC, S | 9 | 10YR5/4 | Yellowish brown | 30% grey distinct | - | 0.8 | - | - | 1 | S | 5 | D | 1(50) |
| 47 | 4 | B22 | 140+ | LC, S | 9 | 10YR4/6 | Dark yellowish brown | 10% grey distinct | - | 0.5 | - | - | 0 | S | 10 | D, S | 0 |
| | | | | | | | | | | | | | | | | | |
| 48 | 1 | A1 | 20 | LS | 5 | 2.5YR3/3 | Dark reddish brown | - | - | 1.7 | - | - | 0 | M | 0 | - | 3 |
| 48 | 2 | A3 | 60 | LS | 5 | 2.5YR4/6 | Red | - | - | 1.7 | - | - | 0 | M | 0 | - | 2 |
| 48 | 3 | B1 | 130+ | CS | 5 | 2.5YR4/8 | Red | 5% yellow distinct | - | 1.4 | - | - | 1 | M | 0 | - | 2 |

| Map ID | Layer number | Horizon | Lower depth (cm) | Texture | pH water | Moist soil colour (Munsell) | Colour from Munsell sheet | Mottles | Mn | SOILpak compaction score | Coarse fragments % GV | Coarse fragments size | Dispersion 10 minutes | Moisture | Lime | | Root score |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | % | Type | |
| 49 | 1 | A1 | 15 | SL | 5 | 5YR3/3 | Dark reddish brown | - | - | 1.4 | - | - | 0 | M | 0 | - | 2 |
| 49 | 2 | B1 | 30 | LMC | 5 | 5YR4/3 | Reddish brown | - | - | 1.5 | - | - | 3 | M | 0 | - | 3 |
| 49 | 3 | B21 | 80 | HC | 8 | 10YR4/4 | Dark yellowish brown | 20% grey distinct | - | 1.0 | - | - | 2 | M | 0 | - | 2 |
| 49 | 4 | B22 | 140+ | LC | 8.5 | 5YR4/4 | Reddish brown | 30% grey distinct | - | 0.7 | - | - | 2 | S | 2 | N | 1(120) |
| | | | | | | | | | | | | | | | | | |
| 50 | 1 | A1 | 8 | MC | 5.5 | 10YR3/1 | Very dark grey | - | - | 1.8 | - | - | 2 | M | 0 | - | 2 |
| 50 | 2 | B1 | 32 | HC | 8.5 | 10YR4/2 | Dark greyish brown | - | - | 1.2 | - | - | 0 | M | 10 | D | 1 |
| 50 | 3 | B21 | 70 | MHC | 9.5 | 10YR4/2 | Dark greyish brown | 20% grey faint | - | 1.3 | - | - | 0 | M | 20 | S | 1 |
| 50 | 4 | B22 | 95 | MC | 4.5 | 10YR6/6 | Brownish yellow | 25% yellow distinct | - | 1.1 | - | - | 0 | S | 0 | - | 0 |
| 50 | 5 | B23 | 140+ | LMC | 4 | 10YR6/2 | Light brownish grey | - | - | 1.0 | - | - | 0 | S | 0 | - | 0 |
| | | | | | | | | | | | | | | | | | |
| 51 | 1 | A1 | 8 | LMC | 5 | 2.5YR3/4 | Dark reddish brown | - | - | 1.2 | - | - | 3 | M | 0 | - | 2 |
| 51 | 2 | B1 | 25 | HC | 7 | 2.5YR3/3 | Dark reddish brown | - | - | 0.8 | - | - | 0 | M | 0 | - | 2 |
| 51 | 3 | B21 | 80 | MC | 8.5 | 2.5YR5/4 | Reddish brown | - | - | 0.4 | - | - | 0 | S | 20 | S | 1(40) |
| 51 | 4 | B22 | 140+ | MC | 8 | 2.5YR4/3 | Reddish brown | - | - | 1.0 | - | - | 0 | S | 0 | - | 0 |
| | | | | | | | | | | | | | | | | | |
| 52 | 1 | A1 | 8 | MC | 5 | 10R4/4 | Weak red | - | - | 1.4 | - | - | 0 | M | 0 | - | 2 |
| 52 | 2 | A3 | 32 | LMC | 5 | 10R4/3 | Weak red | - | - | 1.2 | - | - | 3 | M | 0 | - | 3 |
| 52 | 3 | B21 | 60 | MC | 8 | 10R3/4 | Dusky red | - | - | 1.0 | - | - | 0 | S | 0 | - | 2 |
| 52 | 4 | B22 | 125+ | LMC | 8.5 | 10R4/4 | Weak red | - | - | 1.3 | - | - | 0 | S | 5 | S | 1 |
| | | | | | | | | | | | | | | | | | |
| 53 | 1 | A1 | 15 | SCL | 4 | 5YR4/4 | Reddish brown | - | - | 1.5 | - | - | 0 | M | 0 | - | 2 |
| 53 | 2 | B21 | 60 | MHC | 7.5 | 5YR4/6 | Yellowish red | - | - | 1.3 | - | - | 2 | M | 0 | - | 1 |
| 53 | 3 | B22 | 120 | MHC | 9 | 5YR5/6 | Yellowish red | 20% grey distinct | - | 1.1 | - | - | 2 | M | 10 | D, S | 0 |
| 53 | 4 | B23 | 140+ | HC | 9.5 | 7.5YR5/4 | Brown | 30% grey distinct | - | 0.8 | - | - | 2 | M | 30 | S | 0 |
| | | | | | | | | | | | | | | | | | |
| 54 | 1 | A1 | 15 | CS | 4 | 7.5YR3/4 | Dark brown | - | - | 1.5 | - | - | 0 | M | 0 | - | 3 |
| 54 | 2 | A21 | 35 | LS | 4.5 | 7.5YR5/3 | Brown | - | - | 1.5 | - | - | 0 | M | 0 | - | 2 |
| 54 | 3 | A22 | 42 | LS | 5.5 | 2.5Y6/2 | Light brownish grey | - | - | 1.5 | - | - | 3 | W | 0 | - | 1 |
| 54 | 4 | B21 | 70 | LMC, S | 8 | 10YR5/4 | Yellowish brown | 40% grey prominent | - | 0.8 | - | - | 3 | S | 0 | - | 1 |
| 54 | 5 | B22 | 140+ | LC, S | 8 | 10YR5/6 | Yellowish brown | 10% grey distinct | - | 0.4 | - | - | 1 | S | 0 | - | 1(110) |
| | | | | | | | | | | | | | | | | | |
| 55 | 1 | A1 | 10 | SCL | 4.5 | 7.5YR3/4 | Dark brown | - | - | 1.7 | 10 | 30 | 2 | M | 0 | - | 2 |
| 55 | 2 | B21 | 40 | HC | 7.5 | 7.5YR3/4 | Dark brown | - | - | 0.9 | 20 | 30 | 2 | M | 0 | - | 2 |
| 55 | 3 | B22 | 85 | MC | 8.5 | 5YR3/3 | Dark reddish brown | - | - | 1.2 | - | - | 0 | M | 20 | S | 1(70) |
| 55 | 4 | B23 | 140+ | LC | 8.5 | 5YR3/3 | Dark reddish brown | - | - | 1.2 | 10 | 25 | 0 | S | 15 | S | 0 |
| | | | | | | | | | | | | | | | | | |
| 56 | 1 | A11 | 12 | SL | 5 | 5YR3/3 | Dark reddish brown | - | - | 1.7 | - | - | 2 | M | 0 | - | 3 |
| 56 | 2 | A12 | 30 | SCL | 5.5 | 5YR3/4 | Dark reddish brown | - | - | 1.6 | - | - | 3 | M | 0 | - | 2 |
| 56 | 3 | B21 | 80 | LC, S | 8 | 5YR4/4 | Reddish brown | 15% grey distinct | - | 0.7 | - | - | 3 | S | 0 | - | 1 |
| 56 | 4 | B22 | 140+ | LC, S | 9 | 5YR4/4 | Reddish brown | 30% grey distinct | 10% 3mm | 0.9 | - | - | 1 | S | 10 | S/D | 0 |
| | | | | | | | | | | | | | | | | | |
| 57 | 1 | A1 | 13 | LMC | 5 | 2.5YR2.5/3 | Dark reddish brown | - | - | 1.9 | - | - | 1 | M | 0 | - | 2 |
| 57 | 2 | B1 | 30 | MHC | 6.5 | 2.5YR3/3 | Dark reddish brown | - | - | 1.7 | - | - | 0 | M | 0 | - | 2 |
| 57 | 3 | B21 | 85 | HC | 7.5 | 2.5YR4/4 | Reddish brown | - | - | 1.3 | 2 | 25 | 0 | M | 0 | - | 2 |
| 57 | 4 | B22 | 95 | LC | 8 | 5YR4/6 | Yellowish red | - | - | 1.3 | 2 | 25 | 0 | S | 5 | S | 1 |
| 57 | 5 | B23 | 140+ | LC | 8.5 | 5YR4/6 | Yellowish red | 20% yellow distinct | 10% 2mm | 1.4 | - | - | 1 | S | 0 | - | 1 |

| Map ID | Layer number | Horizon | Lower depth (cm) | Texture | pH water | Moist soil colour (Munsell) | Colour from Munsell sheet | Mottles | Mn | SOILpak compaction score | Coarse fragments % GV | Coarse fragments size | Dispersion 10 minutes | Moisture | Lime | | Root score |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | % | Type | |
| 58 | 1 | A1 | 5 | LC | 5.5 | 2.5YR3/3 | Dark reddish brown | - | - | 1.9 | - | - | 2 | M | 0 | - | 3 |
| 58 | 2 | B21 | 35 | LMC | 5.5 | 2.5YR3/4 | Dark reddish brown | - | - | 1.7 | - | - | 1 | M | 0 | - | 2 |
| 58 | 3 | B22 | 60 | LMC | 7.5 | 2.5YR4/6 | Red | - | - | 1.2 | - | - | 0 | M | 0 | - | 1 |
| 58 | 4 | B23 | 140+ | LC | 7.5 | 2.5YR4/4 | Reddish brown | 20% grey distinct | 15% 5mm | 1.1 | - | - | 0 | S | 0 | - | 1 (80) |
| | | | | | | | | | | | | | | | | | |
| 59 | 1 | A11 | 12 | S | 5 | 7.5YR3/3 | Dark brown | - | - | 1.8 | - | - | 0 | S | 0 | - | 3 |
| 59 | 2 | A12 | 45 | LS | 5 | 7.5YR4/6 | Strong brown | - | - | 1.8 | - | - | 0 | M | 0 | - | 4 |
| 59 | 3 | B1 | 120 | CS | 5 | 7.5YR5/6 | Strong brown | - | - | 1.5 | 80 | 2 | 0 | M | 0 | - | 3 |
| 59 | 4 | C | 140+ | | | | #N/A | | | | | | | | | | 1 |
| | | | | | | | | | | | | | | | | | |
| 60 | 1 | A1 | 18 | SCL | 4.5 | 7.5YR3/3 | Dark brown | - | - | 1.7 | - | - | 1 | M | 0 | - | 3 |
| 60 | 2 | B1 | 30 | LC, S | 5 | 7.5YR3/4 | Dark brown | - | - | 1.5 | - | - | 3 | W | 0 | - | 2 |
| 60 | 3 | B21 | 42 | MHC | 7.5 | 5YR3/4 | Dark reddish brown | - | - | 1.0 | 40 | 15 | 2 | M | 0 | - | 1 |
| 60 | 4 | B22 | 75 | MHC | 7.5 | 5YR3/4 | Dark reddish brown | 25% grey prominent | - | 1.0 | 10 | 15 | 2 | M | 0 | - | 1 |
| 60 | 5 | BC | 110 | | | | #N/A | | | | 95 | - | | | | | |
| 60 | 6 | C | 120+ | | | | #N/A | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| 61 | 1 | A1 | 10 | SL | 5 | 5YR4/4 | Reddish brown | - | - | 1.6 | - | - | 3 | M | 0 | - | 2 |
| 61 | 2 | B21 | 45 | LMC | 8.5 | 5YR3/4 | Dark reddish brown | - | - | 0.7 | - | - | 0 | M | 2 | D | 1 |
| 61 | 3 | B22 | 65 | ZLC | 8.5 | 7.5YR4/6 | Strong brown | 5% grey faint | - | 0.4 | - | - | 0 | S | 5 | S | 1 |
| 61 | 4 | B23 | 140+ | ZLC | 9 | 10YR4/4 | Dark yellowish brown | 30% grey distinct | - | 1.0 | 2 | 25 | 0 | S | 10 | S | 0 |
| | | | | | | | | | | | | | | | | | |
| 62 | 1 | A1 | 8 | ZLC | 5.5 | 5YR3/3 | Dark reddish brown | - | - | 1.5 | - | - | 0 | M | 0 | - | 3 |
| 62 | 2 | 2A | 25 | LMC | 5.5 | 5YR4/3 | Reddish brown | - | - | 0.6 | - | - | 0 | S | 0 | - | 2 |
| 62 | 3 | 3A | 45 | LC | 6 | 5YR3/2 | Dark reddish brown | - | - | 0.8 | - | - | 0 | S | 0 | - | 2 |
| 62 | 4 | 3B1 | 65 | LC | 6 | 7.5YR4/4 | Brown | 10% grey faint | - | 0.5 | - | - | 0 | D | 0 | - | 2 |
| 62 | 5 | 4B | 140+ | LC, S | 7.5 | 10YR4/6 | Dark yellowish brown | 20% grey distinct | 5% 5mm | 0.6 | - | - | 0 | D | 0 | - | 1 (100) |
| | | | | | | | | | | | | | | | | | |
| 63 | 1 | A11 | 12 | SCL | 5.5 | 5YR3/4 | Dark reddish brown | - | - | 1.8 | - | - | 2 | M | 0 | - | 3 |
| 63 | 2 | A12 | 25 | SCL | 5.5 | 5YR4/4 | Reddish brown | - | - | 1.4 | - | - | 0 | M | 0 | - | 3 |
| 63 | 3 | B21 | 58 | LC | 6.5 | 5YR4/4 | Reddish brown | 20% grey faint | - | 0.7 | - | - | 0 | S | 0 | - | 2 |
| 63 | 4 | B22 | 88 | LC | 7.5 | 5YR4/4 | Reddish brown | 40% grey distinct | - | 1.0 | - | - | 0 | D | 0 | - | 1 |
| 63 | 5 | C | 100+ | | | | #N/A | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| 64 | 1 | A11 | 15 | CS | 5 | 7.5YR3/4 | Dark brown | - | - | 1.8 | - | - | 0 | M | 0 | - | 4 |
| 64 | 2 | A12 | 35 | CS | 5.5 | 5YR4/4 | Reddish brown | - | - | 1.7 | - | - | 0 | M | 0 | - | 3 |
| 64 | 3 | A3 | 70 | CS | 5 | 2.5YR4/6 | Red | - | - | 1.5 | - | - | 0 | S | 0 | - | 3 |
| 64 | 4 | B1 | 140+ | SL | 5 | 2.5YR4/8 | Red | - | - | 1.3 | - | - | 0 | S | 0 | - | 2 |
| | | | | | | | | | | | | | | | | | |
| 65 | 1 | A1 | 25 | LS | 4 | 7.5YR3/4 | Dark brown | - | - | 1.5 | - | - | 0 | M | 0 | - | 3 |
| 65 | 2 | A3 | 50 | LS | 4.5 | 5YR4/6 | Yellowish red | - | - | 1.5 | - | - | 0 | M | 0 | - | 3 |
| 65 | 3 | B1 | 140+ | LS | 4.5 | 2.5YR4/6 | Red | 5% yellow distinct | - | 1.5 | - | - | 0 | S | 0 | - | 3 |
| | | | | | | | | | | | | | | | | | |
| 66 | 1 | A1 | 5 | SL | 5 | 7.5YR3/3 | Dark brown | - | - | 1.8 | - | - | 1 | M | 0 | - | 3 |
| 66 | 2 | A3 | 23 | SCL | 5.5 | 7.5YR3/4 | Dark brown | - | - | 1.5 | - | - | 1 | W | 0 | - | 3 |
| 66 | 3 | B1 | 45 | SCL | 5.5 | 7.5YR4/6 | Strong brown | 10% grey faint | - | 0.6 | - | - | 3 | D | 0 | - | 2 |

| Map ID | Layer number | Horizon | Lower depth (cm) | Texture | pH water | Moist soil colour (Munsell) | Colour from Munsell sheet | Mottles | Mn | SOILpak compaction score | Coarse fragments % GV | Coarse fragments size | Dispersion 10 minutes | Moisture | Lime | | Root score |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | % | Type | |
| 66 | 4 | B2 | 125+ | LC | 5 | 7.5YR5/3 | Brown | 25% grey distinct, 5% red distinct | - | 0.8 | - | - | 0 | D | 0 | - | 1 (90) |
| | | | | | | | | | | | | | | | | | |
| 67 | 1 | A1 | 15 | SCL | 5 | 5YR3/3 | Dark reddish brown | - | - | 1.3 | 20 | 10 | 1 | M | 0 | - | 3 |
| 67 | 2 | A3 | 30 | LMC | 7 | 5YR3/4 | Dark reddish brown | - | - | 1.0 | 10 | 10 | 1 | M | 0 | - | 2 |
| 67 | 3 | B21 | 105 | LC | 7.5 | 5YR4/4 | Reddish brown | - | - | 1.1 | 20 | 15 | 0 | S | 0 | - | 1 (90) |
| 67 | 4 | B22 | 140+ | LC | 5 | 5YR4/4 | Reddish brown | 20% grey distinct | - | 0.8 | 30 | 15 | 0 | S | 0 | - | 0 |
| | | | | | | | | | | | | | | | | | |
| 68 | 1 | A1 | 15 | LC | 4 | 5YR3/4 | Dark reddish brown | - | - | 0.8 | - | - | 0 | S | 0 | - | 2 |
| 68 | 2 | B21 | 55 | LC | 4.5 | 5YR4/6 | Yellowish red | - | - | 0.8 | - | - | 0 | D | 0 | - | 2 |
| 68 | 3 | B22 | 70 | LC | 8 | 5YR4/6 | Yellowish red | - | - | 1.1 | - | - | 0 | S | 10 | N | 1 |
| 68 | 4 | B23 | 140+ | LC | 8.5 | 5YR4/6 | Yellowish red | 20% yellow faint | - | 1.3 | - | - | 0 | S | 20 | N | 1 |
| | | | | | | | | | | | | | | | | | |
| 69 | 1 | A1 | 10 | LS | 5 | 7.5YR3/3 | Dark brown | - | - | 1.8 | 10 | 15 | 0 | S | 0 | - | 4 |
| 69 | 2 | B1 | 35 | SL | 5 | 7.5YR3/4 | Dark brown | - | - | 1.7 | 70 | 15 | 0 | S | 0 | - | 3 |
| 69 | 3 | BC | 60 | | | | | - | - | | 95 | | | | 0 | - | 1 |
| 69 | 4 | C | 70+ | | | | | | | | | | | | | | |

| Map ID | Layer number | Lower Depth | Grade | Type | Size | Fabric | Consistence | SOILpak compaction score |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | | |
| 1 | 1 | 20 | apedal | | | | | 1.7 |
| 1 | 2 | 110 | apedal | | | | | 1.7 |
| 1 | 3 | 140+ | M | PO | 15 | RP | 2 | 1.5 |
| | | | | | | | | |
| 2 | 1 | 12 | M | PO | 5 | RP | 3 | 1.7 |
| 2 | 2 | 50 | M | PO/LE | 15 | RP | 3 | 1.1 |
| 2 | 3 | 80 | W | LE | 20 | RP | 4 | 0.7 |
| 2 | 4 | 140+ | M | AB | 7 | RP | 4 | 0.9 |
| | | | | | | | | |
| 3 | 1 | 10 | M | PO | 8 | RP | 2 | 1.7 |
| 3 | 2 | 60 | M | PO/AB | 12 | RP | 3 | 1.1 |
| 3 | 3 | 90 | W | LE | 10 | RP | 5 | 0.7 |
| 3 | 4 | 140+ | W | LE | 10 | RP | 5 | 0.7 |
| | | | | | | | | |
| 4 | 1 | 10 | M | PO | 7 | RP | 1 | 1.7 |
| 4 | 2 | 40 | W | AB | 20 | RP | 4 | 0.5 |
| 4 | 3 | 90 | M | LE | 10 | RP | 5 | 0.6 |
| 4 | 4 | 130+ | | | | | | |
| | | | | | | | | |
| 5 | 1 | 15 | M | PO | 10 | RP | 2 | 1.5 |
| 5 | 2 | 80 | M | LE | 10 | RP | 3 | 1.0 |
| 5 | 3 | 140+ | M | LE | 8 | RP | 3 | 1.1 |
| | | | | | | | | |
| 6 | 1 | 15 | M | PO | 8 | RP | 2 | 1.7 |
| 6 | 2 | 35 | M | PO | 10 | RP | 2 | 1.5 |
| 6 | 3 | 80 | M | PO | 5 | RP | 2 | 1.6 |
| 6 | 4 | 100+ | | | | | | 0.0 |
| | | | | | | | | |
| 7 | 1 | 20 | M | AB | 10 | RP | 2 | 1.5 |
| 7 | 2 | 55 | W | PO | 7 | E | 2 | 1.3 |
| 7 | 3 | 75 | W | PO/LE | 10 | E | 3 | 1.1 |
| | | | | | | | | |
| 8 | 1 | 25 | M | AB/PO | 20 | RP | 5 | 0.8 |
| 8 | 2 | 90 | M | LE | 25 | RP | 5 | 0.5 |
| 8 | 3 | 145 | M | LE | 20 | RP | 4 | 0.6 |
| | | | | | | | | |
| 9 | 1 | 10 | M | PO | 5 | RP | 2 | 1.7 |
| 9 | 2 | 40 | W | AB | 15 | RP | 2 | 1.2 |
| 9 | 3 | 120+ | M | LE | 25 | RP | 5 | 0.7 |
| | | | | | | | | |
| 10 | 1 | 10 | M | PO | 8 | RP | 2 | 1.7 |
| 10 | 2 | 30 | W | LE | 10 | RP | 3 | 1.0 |
| 10 | 3 | 70 | M | LE | 15 | RP | 5 | 0.5 |
| 10 | 4 | 140+ | M | AB | 15 | RP | 4 | 0.7 |
| | | | | | | | | |
| 11 | 1 | 10 | M | PO | 10 | RP | 2 | 1.5 |
| 11 | 2 | 30 | W | LE | 10 | RP | 4 | 0.8 |

| Map ID | Layer number | Lower Depth | Grade | Type | Size | Fabric | Consistence | SOILpak compaction score |
|---|---|---|---|---|---|---|---|---|
| 11 | 3 | 90 | W | LE | 15 | RP | 5 | 0.5 |
| 11 | 4 | 140+ | M | PO | 8 | RP | 3 | 1.2 |
| | | | | | | | | |
| 12 | 1 | 22 | S | SB | 5 | RP | 1 | 1.9 |
| 12 | 2 | 50 | M | PO | 8 | RP | 2 | 1.5 |
| 12 | 3 | 140+ | M | PO | 10 | RP | 2 | 1.6 |
| | | | | | | | | |
| 13 | 1 | 15 | S | SB | 5 | RP | 1 | 1.9 |
| 13 | 2 | 30 | S | SB | 7 | RP | 1 | 1.8 |
| 13 | 3 | 70 | S | PO | 7 | RP | 2 | 1.5 |
| 13 | 4 | 90 | M | PO | 8 | RP | 2 | 1.5 |
| 13 | 5 | 140+ | | | | | | |
| | | | | | | | | |
| 14 | 1 | 15 | apedal | | | | | 1.7 |
| 14 | 2 | 50 | apedal | | | | | 1.5 |
| 14 | 3 | 100 | apedal | | | | | 1.5 |
| 14 | 4 | 120+ | | | | | | - |
| | | | | | | | | |
| 15 | 1 | 12 | apedal | | | | | 1.8 |
| 15 | 2 | 25 | apedal | | | | | 1.5 |
| 15 | 3 | 75 | apedal | | | | | 1.6 |
| 15 | 4 | 140+ | M | LE | 12 | RP | 3 | 0.8 |
| | | | | | | | | |
| 16 | 1 | 10 | W | AB/PO | 15 | RP | 4 | 0.7 |
| 16 | 2 | 35 | M | PO | 7 | RP | 4 | 0.9 |
| 16 | 3 | 100 | | | | | | - |
| 16 | 4 | 120+ | | | | | | |
| | | | | | | | | |
| 17 | 1 | 15 | M | PO | 8 | RP | 2 | 1.7 |
| 17 | 2 | 30 | M | LE | 15 | RP | 3 | 1.0 |
| 17 | 3 | 55 | M | LE | 15 | RP | 3 | 1.0 |
| 17 | 4 | 100 | S | LE | 25 | RP | 5 | 0.5 |
| 17 | 5 | 130+ | M | PO/LE | 10 | RP | 4 | 0.8 |
| | | | | | | | | |
| 18 | 1 | 15 | M | PO | 12 | RP | 3 | 1.3 |
| 18 | 2 | 30 | W | PO | 15 | RP | 3 | 1.1 |
| 18 | 3 | 130+ | M | LE | 15 | RP | 5 | 0.7 |
| | | | | | | | | |
| 19 | 1 | 5 | M | AB | 15 | RP | 2 | 1.2 |
| 19 | 2 | 20 | W | LE | 20 | RP | 3 | 0.8 |
| 19 | 3 | 55 | M | LE | 10 | RP | 4 | 0.9 |
| 19 | 4 | 140+ | W | LE | 10 | RP | 5 | 0.6 |
| | | | | | | | | |
| 20 | 1 | 15 | S | SB | 3 | RP | 1 | 1.9 |
| 20 | 2 | 40 | M | PO/LE | 10 | RP | 2 | 1.5 |
| 20 | 3 | 80 | M | PO | 8 | RP | 2 | 1.7 |
| 20 | 4 | 140+ | M | AB | 12 | RP | 3 | 1.3 |
| | | | | | | | | |

| Map ID | Layer number | Lower Depth | Grade | Type | Size | Fabric | Consistence | SOILpak compaction score |
|---|---|---|---|---|---|---|---|---|
| 21 | 1 | 8 | S | SB | 5 | RP | 1 | 1.9 |
| 21 | 2 | 25 | M | PO | 8 | RP | 2 | 1.9 |
| 21 | 3 | 40 | W | LE | 20 | RP | 3 | 0.8 |
| 21 | 4 | 90 | M | LE | 10 | RP | 5 | 0.5 |
| 21 | 5 | 130+ | | | | | | 0.0 |
| | | | | | | | | |
| 22 | 1 | 15 | apedal | | | | | 1.8 |
| 22 | 2 | 40 | apedal | | | | | 1.7 |
| 22 | 3 | 75 | apedal | | | | | 1.5 |
| 22 | 4 | 140+ | apedal | | | | | 1.5 |
| | | | | | | | | |
| 23 | 1 | 15 | M | AB/PO | 12 | RP | 2 | 1.4 |
| 23 | 2 | 45 | M | LE/PO | 15 | RP | 3 | 1.1 |
| 23 | 3 | 47+ | | | | | | 0.0 |
| 23 | 4 | 0 | | | | | | 0.0 |
| | | | | | | | | |
| 24 | 1 | 10 | M | PO | 10 | RP | 2 | 1.5 |
| 24 | 2 | 20 | W | PO/LE | 20 | RP | 3 | 0.8 |
| 24 | 3 | 65 | M | LE | 15 | RP | 5 | 0.7 |
| 24 | 4 | 120 | M | LE | 15 | RP | 5 | 0.7 |
| 24 | 5 | 140+ | M | LE | 8 | RP | 3 | 1.0 |
| | | | | | | | | |
| 25 | 1 | MC | M | PO | 10 | RP | 2 | 1.5 |
| 25 | 2 | HC | M | PO | 12 | RP | 3 | 1.2 |
| 25 | 3 | MC | M | AB | 15 | RP | 5 | 0.8 |
| 25 | 4 | 100+ | | | | | | 0.0 |
| | | | | | | | | |
| 26 | 1 | 15 | S | SB | 8 | RP | 1 | 1.8 |
| 26 | 2 | 60 | M | PO | 10 | RP | 2 | 1.6 |
| 26 | 3 | 140+ | M | PO | 10 | RP | 2 | 1.6 |
| | | | | | | | | |
| 27 | 1 | 18 | S | SB | 7 | RP | 2 | 1.7 |
| 27 | 2 | 40 | S | PO | 7 | RP | 1 | 1.8 |
| 27 | 3 | 75 | M | LE | 15 | RP | 3 | 1.0 |
| 27 | 4 | 140+ | W | LE | 15 | RP | 5 | 0.3 |
| | | | | | | | | |
| 28 | 1 | 15 | M | PO | 10 | RP | 3 | 1.3 |
| 28 | 2 | 40 | S | LE/PO | 10 | RP | 3 | 1.3 |
| 28 | 3 | 100 | M | PO/LE | 8 | RP | 4 | 1.1 |
| 28 | 4 | 110+ | | | | | | |
| | | | | | | | | |
| 29 | 1 | 15 | M | PO | 7 | RP | 3 | 1.4 |
| 29 | 2 | 40 | S | PO | 5 | RP | 3 | 1.6 |
| 29 | 3 | 45+ | | | | | | 0.0 |
| | | | | | | | | |
| 30 | 1 | 20 | M | PO | 7 | RP | 2 | 1.6 |
| 30 | 2 | 30 | W | AB | 12 | RP | 3 | 0.8 |
| 30 | 3 | 60 | M | LE | 10 | RP | 5 | 0.6 |

| Map ID | Layer number | Lower Depth | Grade | Type | Size | Fabric | Consistence | SOILpak compaction score |
|---|---|---|---|---|---|---|---|---|
| 30 | 4 | 140+ | W | LE | 7 | RP | 2 | 1.0 |
| | | | | | | | | |
| 31 | 1 | 15 | W | PO/AB | 15 | RP | 3 | 0.9 |
| 31 | 2 | 45 | M | LE/PO | 10 | RP | 4 | 0.8 |
| 31 | 3 | 70 | M | LE/AB | 20 | RP | 5 | 0.6 |
| 31 | 4 | 90 | M | LE/AB | 12 | RP | 4 | 0.7 |
| 31 | 5 | 140+ | M | AB/PO | 7 | RP | 3 | 1.3 |
| | | | | | | | | |
| 32 | 1 | 10 | S | SB | 5 | RP | 2 | 1.7 |
| 32 | 2 | 40 | M | LE/PO | 12 | RP | 3 | 1.1 |
| 32 | 3 | 80 | M | LE/PO | 10 | RP | 4 | 1.1 |
| 32 | 4 | 90+ | | | | | | |
| | | | | | | | | |
| 33 | 1 | 10 | apedal | | | | | 1.8 |
| 33 | 2 | 30 | apedal | | | | | 1.5 |
| 33 | 3 | 105 | M | LE | 15 | RP | 4 | 0.7 |
| 33 | 4 | 140+ | W | LE | 10 | RP | 3 | 0.9 |
| | | | | | | | | |
| 34 | 1 | LC | M | SB | 5 | RP | 2 | 1.7 |
| 34 | 2 | LMC | M | AB | 15 | RP | 5 | 0.8 |
| 34 | 3 | MC | W | AB/LE | 12 | RP | 5 | 0.9 |
| 34 | 4 | MC | W | LE | 10 | RP | 5 | 0.6 |
| | | | | | | | | |
| 35 | 1 | 15 | M | PO | 12 | RP | 2 | 1.6 |
| 35 | 2 | 35 | M | LE/PO | 20 | RP | 2 | 1.2 |
| 35 | 3 | 85 | M | LE | 15 | RP | 5 | 1.0 |
| 35 | 4 | 140+ | M | AB/PO | 10 | RP | 3 | 1.1 |
| | | | | | | | | |
| 36 | 1 | 12 | M | PO/AB | 10 | RP | 2 | 1.3 |
| 36 | 2 | 40 | M | PO | 10 | RP | 3 | 1.4 |
| 36 | 3 | 140+ | M | LE | 8 | RP | 3 | 1.3 |
| | | | | | | | | |
| 37 | 1 | 15 | S | SB | 5 | RP | 2 | 1.7 |
| 37 | 2 | 45 | M | PO/LE | 10 | RP | 3 | 1.3 |
| 37 | 3 | 80 | S | LE/PO | 12 | RP/SP | 4 | 1.1 |
| 37 | 4 | 140+ | M | LE | 15 | RP | 3 | 1.1 |
| | | | | | | | | |
| 38 | 1 | 17 | M | AB | 12 | RP | 3 | 0.0 |
| 38 | 2 | 60 | M | LE | 20 | RP | 5 | 1.1 |
| 38 | 3 | 140+ | M | LE | 15 | RP | 5 | 0.5 |
| | | | | | | | | |
| 39 | 1 | 15 | M | SB | 5 | RP | 1 | 1.9 |
| 39 | 2 | 35 | M | PO | 7 | RP | 1 | 1.7 |
| 39 | 3 | 70 | M | PL | 10 | RP | 2 | 1.3 |
| 39 | 4 | 130+ | W | LE | 15 | RP | 5 | 0.5 |
| | | | | | | | | |
| 40 | 1 | 15 | W | AB | 20 | E | 2 | 1.1 |
| 40 | 2 | 35 | W | LE | 15 | E | 3 | 1.0 |

| Map ID | Layer number | Lower Depth | Grade | Type | Size | Fabric | Consistence | SOILpak compaction score |
|---|---|---|---|---|---|---|---|---|
| 40 | 3 | 70 | M | LE | 20 | RP | 5 | 0.7 |
| 40 | 4 | 105+ | W | LE | 25 | RP | 5 | 0.6 |
| | | | | | | | | |
| 41 | 1 | 12 | M | AB | 25 | RP | 4 | 0.7 |
| 41 | 2 | 30 | M | AB/PO | 15 | RP | 5 | 0.9 |
| 41 | 3 | 90 | S | LE | 20 | RP | 5 | 0.8 |
| 41 | 4 | 140+ | M | PO/LE | 10 | RP | 5 | 1.0 |
| | | | | | | | | |
| 42 | 1 | 10 | M | PO | 10 | RP | 2 | 1.4 |
| 42 | 2 | 35 | M | PO | 8 | RP | 2 | 1.6 |
| 42 | 3 | 65 | S | LE/PO | 12 | RP/SP | 4 | 1.2 |
| 42 | 4 | 85 | S | LE/PO | 10 | RP/SP | 3 | 1.4 |
| 42 | 5 | 140+ | M | LE | 15 | RP | 4 | 1.1 |
| | | | | | | | | |
| 43 | 1 | 12 | S | SB | 7 | RP | 2 | 1.7 |
| 43 | 2 | 25 | M | LE | 10 | RP | 3 | 1.2 |
| 43 | 3 | 35 | W | LE | 12 | RP | 3 | 1.1 |
| 43 | 4 | 65 | M | LE | 15 | RP | 5 | 0.8 |
| 43 | 5 | 100 | S | AB/LE | 15 | RP/SP | 5 | 0.8 |
| 43 | 6 | 110 | | | | | | |
| 43 | 7 | 115+ | | | | | | |
| | | | | | | | | |
| 44 | 1 | 18 | M | SB | 5 | RP | 1 | 1.8 |
| 44 | 2 | 50 | M | PO | 10 | RP | 2 | 1.5 |
| 44 | 3 | 85 | M | PO/LE | 15 | RP/SP | 4 | 1.0 |
| 44 | 4 | 135+ | M | LE | 15 | RP | 5 | 0.8 |
| | | | | | | | | |
| 45 | 1 | 20 | S | SB | 5 | RP | 1 | 1.8 |
| 45 | 2 | 60 | M | PO | 8 | RP | 1 | 1.7 |
| 45 | 3 | 100 | M | LE | 15 | RP | 4 | 0.8 |
| 45 | 4 | 140+ | M | LE | 15 | RP | 4 | 0.8 |
| | | | | | | | | |
| 46 | 1 | 20 | M | SB | 7 | RP | 1 | 1.7 |
| 46 | 2 | 40 | W | AB | 15 | E | 1 | 1.2 |
| 46 | 3 | 80 | W | LE | 15 | RP | 5 | 0.5 |
| 46 | 4 | 130+ | W | LE | 25 | RP | 5 | 0.4 |
| | | | | | | | | |
| 47 | 1 | 17 | M | PO | 7 | RP | 1 | 1.8 |
| 47 | 2 | 28 | apedal | | | | | 1.5 |
| 47 | 3 | 60 | M | LE | 10 | RP | 4 | 0.8 |
| 47 | 4 | 140+ | M | LE | 15 | RP | 5 | 0.5 |
| | | | | | | | | |
| 48 | 1 | 20 | apedal | | | | | 1.7 |
| 48 | 2 | 60 | apedal | | | | | 1.7 |
| 48 | 3 | 130+ | apedal | | | | | 1.4 |
| | | | | | | | | |
| 49 | 1 | 15 | M | PO | 10 | RP | 2 | 1.4 |
| 49 | 2 | 30 | M | PO | 8 | RP | 2 | 1.5 |

| Map ID | Layer number | Lower Depth | Grade | Type | Size | Fabric | Consistence | SOILpak compaction score |
|---|---|---|---|---|---|---|---|---|
| 49 | 3 | 80 | M | AB/LE | 15 | RP | 3 | 1.0 |
| 49 | 4 | 140+ | W | LE | 12 | RP | 5 | 0.7 |
| | | | | | | | | |
| 50 | 1 | 8 | S | SB | 7 | RP | 2 | 1.8 |
| 50 | 2 | 32 | M | AB/PO | 15 | RP | 3 | 1.2 |
| 50 | 3 | 70 | M | AB | 12 | RP | 3 | 1.3 |
| 50 | 4 | 95 | M | LE | 8 | RP | 4 | 1.1 |
| 50 | 5 | 140+ | M | LE | 15 | RP | 4 | 1.0 |
| | | | | | | | | |
| 51 | 1 | 8 | M | AB/PO | 12 | RP | 3 | 1.2 |
| 51 | 2 | 25 | M | LE | 20 | RP | 4 | 0.8 |
| 51 | 3 | 80 | M | LE | 25 | RP | 5 | 0.4 |
| 51 | 4 | 140+ | M | LE | 10 | RP | 4 | 1.0 |
| | | | | | | | | |
| 52 | 1 | 8 | M | PO | 8 | RP | 3 | 1.4 |
| 52 | 2 | 32 | M | LE/PO | 12 | RP | 3 | 1.2 |
| 52 | 3 | 60 | M | LE | 12 | RP | 4 | 1.0 |
| 52 | 4 | 125+ | M | LE/PO | 10 | RP | 3 | 1.3 |
| | | | | | | | | |
| 53 | 1 | 15 | M | PO | 7 | RP | 2 | 1.5 |
| 53 | 2 | 60 | M | LE/PO | 10 | RP | 2 | 1.3 |
| 53 | 3 | 120 | M | LE/PO | 12 | RP | 3 | 1.1 |
| 53 | 4 | 140+ | W | LE | 15 | RP | 4 | 0.8 |
| | | | | | | | | |
| 54 | 1 | 15 | apedal | | | | | 1.5 |
| 54 | 2 | 35 | apedal | | | | | 1.5 |
| 54 | 3 | 42 | apedal | | | | | 1.5 |
| 54 | 4 | 70 | M | LE | 12 | RP | 2 | 0.8 |
| 54 | 5 | 140+ | M | LE/AB | 20 | RP | 4 | 0.4 |
| | | | | | | | | |
| 55 | 1 | 10 | M | PO | 8 | RP | 2 | 1.7 |
| 55 | 2 | 40 | M | AB/LE | 20 | RP | 4 | 0.9 |
| 55 | 3 | 85 | M | PO/LE | 12 | RP | 3 | 1.2 |
| 55 | 4 | 140+ | M | PO/LE | 12 | RP | 3 | 1.2 |
| | | | | | | | | |
| 56 | 1 | 12 | W | PO | 8 | E | 1 | 1.7 |
| 56 | 2 | 30 | M | PL/PO | 8 | RP | 1 | 1.6 |
| 56 | 3 | 80 | M | LE | 10 | RP | 5 | 0.7 |
| 56 | 4 | 140+ | M | LE | 10 | RP | 4 | 0.9 |
| | | | | | | | | |
| 57 | 1 | 13 | S | SB | 4 | RP | 1 | 1.9 |
| 57 | 2 | 30 | S | PO | 7 | RP | 2 | 1.7 |
| 57 | 3 | 85 | M | PO/LE | 15 | RP | 3 | 1.3 |
| 57 | 4 | 95 | M | PO/LE | 15 | RP | 3 | 1.3 |
| 57 | 5 | 140+ | M | PO/LE | 10 | RP | 3 | 1.4 |
| | | | | | | | | |
| 58 | 1 | 5 | S | SB | 5 | RP | 1 | 1.9 |
| 58 | 2 | 35 | M | PO | 8 | RP | 2 | 1.7 |

| Map ID | Layer number | Lower Depth | Grade | Type | Size | Fabric | Consistence | SOILpak compaction score |
|---|---|---|---|---|---|---|---|---|
| 58 | 3 | 60 | M | PO/AB | 15 | RP | 3 | 1.2 |
| 58 | 4 | 140+ | M | LE | 8 | RP | 4 | 1.1 |
| | | | | | | | | |
| 59 | 1 | 12 | apedal | | | | | 1.8 |
| 59 | 2 | 45 | apedal | | | | | 1.8 |
| 59 | 3 | 120 | apedal | | | | | 1.5 |
| 59 | 4 | 140+ | - | | | | | |
| | | | | | | | | |
| 60 | 1 | 18 | M | PO | 8 | RP | 1 | 1.7 |
| 60 | 2 | 30 | M | PO | 8 | RP | 2 | 1.5 |
| 60 | 3 | 42 | W | PO/AB | 12 | RP | 3 | 1.0 |
| 60 | 4 | 75 | W | PO/AB | 12 | RP | 3 | 1.0 |
| 60 | 5 | 110 | | | | | | |
| 60 | 6 | 120+ | | | | | | |
| | | | | | | | | |
| 61 | 1 | 10 | M | PO/AB | 8 | RP | 1 | 1.6 |
| 61 | 2 | 45 | M | AB/LE | 15 | RP | 3 | 0.7 |
| 61 | 3 | 65 | M | LE | 20 | RP | 4 | 0.4 |
| 61 | 4 | 140+ | M | LE | 10 | RP | 3 | 1.0 |
| | | | | | | | | |
| 62 | 1 | 8 | M | PO | 10 | RP | 2 | 1.5 |
| 62 | 2 | 25 | S | CO | 15 | RP | 5 | 0.6 |
| 62 | 3 | 45 | S | PO/AB | 12 | RP | 5 | 0.8 |
| 62 | 4 | 65 | M | LE/PO | 15 | RP | 5 | 0.5 |
| 62 | 5 | 140+ | M | LE/PO | 10 | RP | 5 | 0.6 |
| | | | | | | | | |
| 63 | 1 | 12 | M | PO | 7 | RP | 1 | 1.8 |
| 63 | 2 | 25 | M | PO | 10 | RP | 2 | 1.4 |
| 63 | 3 | 58 | M | AB/PO | 15 | RP | 5 | 0.7 |
| 63 | 4 | 88 | M | AB/PO | 10 | RP | 3 | 1.0 |
| 63 | 5 | 100+ | | | | | | |
| | | | | | | | | |
| 64 | 1 | 15 | apedal | | | | | 1.8 |
| 64 | 2 | 35 | apedal | | | | | 1.7 |
| 64 | 3 | 70 | apedal | | | | | 1.5 |
| 64 | 4 | 140+ | apedal | | | | | 1.3 |
| | | | | | | | | |
| 65 | 1 | 25 | apedal | | | | | 1.5 |
| 65 | 2 | 50 | apedal | | | | | 1.5 |
| 65 | 3 | 140+ | apedal | | | | | 1.5 |
| | | | | | | | | |
| 66 | 1 | 5 | M | PO | 7 | RP | 1 | 1.8 |
| 66 | 2 | 23 | M | PO | 10 | RP | 2 | 1.5 |
| 66 | 3 | 45 | W | LE | 15 | RP | 5 | 0.6 |
| 66 | 4 | 125+ | M | LE | 12 | RP | 4 | 0.8 |
| | | | | | | | | |
| 67 | 1 | 15 | M | AB/PO | 10 | RP | 2 | 1.3 |
| 67 | 2 | 30 | M | AB/PO | 15 | RP | 3 | 1.0 |

| Map ID | Layer number | Lower Depth | Grade | Type | Size | Fabric | Consistence | SOILpak compaction score |
|---|---|---|---|---|---|---|---|---|
| 67 | 3 | 105 | M | LE | 10 | RP | 3 | 1.1 |
| 67 | 4 | 140+ | M | LE | 12 | RP | 5 | 0.8 |
| | | | | | | | | |
| 68 | 1 | 15 | M | AB | 20 | RP | 4 | 0.8 |
| 68 | 2 | 55 | M | LE | 15 | RP | 5 | 0.8 |
| 68 | 3 | 70 | M | PO/LE | 12 | RP | 4 | 1.1 |
| 68 | 4 | 140+ | M | PO/LE | 10 | RP | 3 | 1.3 |
| | | | | | | | | |
| 69 | 1 | 10 | apedal | | | | | 1.8 |
| 69 | 2 | 35 | W | PO | 10 | E | 1 | 1.7 |
| 69 | 3 | 60 | | | | | | |
| 69 | 4 | 70+ | | | | | | |

| Map ID | Layer number | Depth (cm) | pH water | pH CaCl2 | EC 1:5 dS/m | ECe (dS/m) | Chloride (mg/kg) | Exchangeable cations, meq/100g | | | | | CEC | ESP | ESI | Ca/Mg | ASWAT score | NO3-N (mg/kg) | Colwell-P (mg/kg) | PBI | SO4-S (mg/kg) | DTPA-Zn (mg/kg) | DTPA-Cu (mg/kg) | Boron (mg/kg) | Org. C (%) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | Ca | Mg | K | Na | Al | | | | | | | | | | | | | | |
| 1 | 1 | 0-5 | 6.3 | 4.9 | 0.01 | 0.23 | 5 | 1.0 | 0.2 | 0.1 | 0.0 | 0.0 | 1.2 | 0.8 | 0.01 | 6.0 | 6 | 1.6 | 10 | 12 | 1 | 0.62 | 0.02 | 0.06 | 0.52 |
| 1 | 2 | 5-15 | 6.2 | 4.8 | 0.01 | 0.23 | 11 | 1.2 | 0.3 | 0.1 | 0.0 | 0.0 | 1.6 | 0.6 | 0.02 | 4.0 | 5 | 0.9 | 6 | 4 | 1 | 0.07 | 0.03 | 0.06 | 0.48 |
| 1 | 3 | 15-30 | 6.4 | 5.0 | 0.01 | 0.23 | 13 | 0.8 | 0.2 | 0.1 | 0.0 | 0.0 | 1.1 | 0.9 | 0.01 | 3.8 | 5 | 0.7 | 5 | 7 | 1 | 0.04 | 0.05 | 0.04 | 0.28 |
| 1 | 4 | 30-60 | 6.5 | 5.3 | 0.01 | 0.23 | 5 | 0.2 | 0.1 | 0.0 | 0.0 | 0.1 | 0.5 | 2.2 | 0.00 | 2.9 | 5 | 0.7 | 6 | 1 | 1 | 0.01 | 0.02 | 0.01 | 0.10 |
| 1 | 5 | 60-100 | 6.4 | 5.3 | 0.01 | 0.23 | 11 | 0.1 | 0.1 | 0.0 | 0.0 | 0.2 | 0.4 | 2.4 | 0.00 | 1.4 | 5 | 0.6 | 5 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.10 |
| 2 | 1 | 0-5 | 6.4 | 5.4 | 0.07 | 0.60 | 18 | 4.2 | 2.2 | 0.6 | 0.3 | 0.0 | 7.3 | 3.6 | 0.02 | 1.9 | 13 | 11.0 | 11 | 35 | 6 | 0.49 | 0.76 | 0.38 | 0.89 |
| 2 | 2 | 5-15 | 6.5 | 5.3 | 0.05 | 0.43 | 23 | 4.7 | 2.6 | 0.3 | 0.4 | 0.0 | 7.9 | 4.8 | 0.01 | 1.8 | 13 | 8.5 | 8 | 47 | 2 | 0.28 | 0.81 | 0.38 | 0.79 |
| 2 | 3 | 15-30 | 7.7 | 6.5 | 0.09 | 0.52 | 17 | 7.3 | 6.5 | 0.3 | 1.4 | 0.0 | 15.5 | 9.0 | 0.01 | 1.1 | 15 | 2.3 | 3 | 88 | 2 | 0.01 | 0.71 | 0.90 | 0.34 |
| 2 | 4 | 30-60 | 8.8 | 7.5 | 0.14 | 0.81 | 52 | 6.4 | 8.3 | 0.3 | 2.5 | 0.0 | 17.5 | 14.3 | 0.01 | 0.8 | 16 | 0.8 | 3 | 78 | 4 | 0.01 | 0.82 | 1.60 | 0.21 |
| 2 | 5 | 60-100 | 9.2 | 8.3 | 0.43 | 3.23 | 170 | 8.7 | 9.9 | 0.3 | 4.2 | 0.0 | 23.1 | 18.2 | 0.02 | 0.9 | 14 | 3.1 | 5 | 56 | 32 | 0.04 | 0.75 | 2.00 | 0.15 |
| 3 | 1 | 0-5 | 7.3 | 6.2 | 0.05 | 0.38 | 10 | 6.0 | 6.6 | 0.6 | 0.5 | 0.0 | 13.7 | 3.4 | 0.01 | 0.9 | 13 | 2.8 | 10 | 45 | 2 | 0.36 | 0.68 | 0.51 | 0.74 |
| 3 | 2 | 5-15 | 7.9 | 6.6 | 0.07 | 0.50 | 14 | 6.9 | 7.9 | 0.4 | 1.0 | 0.0 | 16.2 | 6.1 | 0.01 | 0.9 | 15 | 1.1 | 7 | 65 | 2 | 0.15 | 0.59 | 0.67 | 0.47 |
| 3 | 3 | 15-30 | 9.0 | 8.0 | 0.26 | 1.73 | 69 | 9.1 | 14.0 | 0.4 | 3.1 | 0.0 | 26.6 | 11.6 | 0.02 | 0.7 | 15 | 0.6 | 3 | 80 | 5 | 0.05 | 0.57 | 1.50 | 0.30 |
| 3 | 4 | 30-60 | 9.2 | 8.5 | 0.78 | 5.19 | 570 | 14.0 | 15.0 | 0.4 | 6.0 | 0.0 | 35.4 | 17.0 | 0.05 | 0.9 | 0 | 0.3 | 3 | 84 | 62 | 0.06 | 0.55 | 2.80 | 0.21 |
| 3 | 5 | 60-100 | 8.2 | 7.6 | 0.96 | 7.20 | 610 | 4.4 | 14.0 | 0.3 | 7.4 | 0.0 | 26.1 | 28.3 | 0.03 | 0.3 | 2 | 3.4 | 5 | 65 | 120 | 0.13 | 0.49 | 2.00 | 0.10 |
| 4 | 1 | 0-5 | 6.3 | 4.7 | 0.04 | 0.34 | 10 | 2.9 | 2.6 | 0.4 | 0.3 | 0.1 | 6.3 | 4.7 | 0.01 | 1.1 | 13 | 3.3 | 13 | 58 | 4 | 0.40 | 1.30 | 0.44 | 0.71 |
| 4 | 2 | 5-15 | 6.5 | 4.7 | 0.03 | 0.22 | 12 | 3.4 | 2.7 | 0.2 | 0.4 | 0.1 | 6.8 | 5.9 | 0.01 | 1.3 | 14 | 1.2 | 9 | 55 | 4 | 0.27 | 1.40 | 0.44 | 0.61 |
| 4 | 3 | 15-30 | 7.9 | 6.5 | 0.09 | 0.52 | 22 | 7.5 | 6.8 | 0.2 | 1.5 | 0.0 | 16.0 | 9.4 | 0.01 | 1.1 | 16 | 0.8 | 5 | 89 | 2 | 0.07 | 0.89 | 0.81 | 0.38 |
| 4 | 4 | 30-60 | 8.4 | 7.2 | 0.16 | 1.38 | 36 | 6.1 | 7.6 | 0.2 | 2.1 | 0.0 | 16.0 | 13.1 | 0.01 | 0.8 | 15 | 0.3 | 3 | 74 | 13 | 0.01 | 1.10 | 0.62 | 0.19 |
| 4 | 5 | 60-100 | 9.1 | 8.1 | 0.29 | 2.49 | 64 | 6.9 | 11.0 | 0.3 | 3.3 | 0.0 | 21.5 | 15.4 | 0.02 | 0.6 | 11 | 0.7 | 3 | 54 | 35 | 0.03 | 0.89 | 1.00 | 0.17 |
| 5 | 1 | 0-5 | 6.3 | 5.0 | 0.06 | 0.52 | 31 | 3.4 | 2.2 | 0.7 | 0.2 | 0.0 | 6.5 | 3.2 | 0.02 | 1.5 | 5 | 1.6 | 14 | 70 | 6 | 0.32 | 0.85 | 0.70 | 1.00 |
| 5 | 2 | 5-15 | 5.6 | 4.5 | 0.11 | 0.95 | 100 | 2.6 | 2.1 | 0.4 | 0.5 | 0.3 | 5.9 | 8.8 | 0.01 | 1.2 | 0 | 0.3 | 9 | 86 | 13 | 0.10 | 0.88 | 0.48 | 0.72 |
| 5 | 3 | 15-30 | 6.4 | 5.6 | 0.26 | 2.24 | 300 | 3.2 | 3.1 | 0.3 | 1.4 | 0.0 | 8.0 | 17.5 | 0.01 | 1.0 | 0 | 0.6 | 9 | 120 | 16 | 0.08 | 0.59 | 0.67 | 0.53 |
| 5 | 4 | 30-60 | 6.9 | 6.3 | 0.79 | 6.79 | 660 | 2.8 | 3.6 | 0.3 | 4.0 | 0.0 | 10.7 | 37.4 | 0.02 | 0.8 | 0 | 0.3 | 3 | 160 | 84 | 0.01 | 0.29 | 1.10 | 0.21 |
| 5 | 5 | 60-100 | 7.9 | 7.3 | 1.00 | 9.50 | 550 | 2.5 | 4.6 | 0.4 | 6.0 | 0.0 | 13.5 | 44.6 | 0.02 | 0.5 | 0 | 0.3 | 5 | 100 | 65 | 0.03 | 0.43 | 1.80 | 0.10 |
| 6 | 1 | 0-5 | 5.6 | 5.0 | 0.23 | 1.98 | 28 | 5.9 | 2.2 | 1.3 | 0.1 | 0.0 | 9.5 | 0.8 | 0.27 | 2.7 | 2 | 94.0 | 21 | 96 | 20 | 3.80 | 2.10 | 0.58 | 1.80 |
| 6 | 2 | 5-15 | 5.7 | 5.1 | 0.23 | 1.98 | 31 | 7.6 | 2.6 | 1.1 | 0.1 | 0.0 | 11.4 | 0.4 | 0.52 | 2.9 | 0 | 100.0 | 15 | 140 | 11 | 2.50 | 3.00 | 0.56 | 1.60 |
| 6 | 3 | 15-30 | 6.3 | 5.6 | 0.09 | 0.77 | 11 | 7.4 | 2.7 | 0.6 | 0.1 | 0.0 | 10.7 | 0.5 | 0.19 | 2.7 | 0 | 29.0 | 7 | 160 | 4 | 0.59 | 2.60 | 0.65 | 1.30 |
| 6 | 4 | 30-60 | 6.6 | 5.8 | 0.06 | 0.52 | 5 | 6.0 | 3.2 | 0.4 | 0.1 | 0.0 | 9.7 | 0.5 | 0.12 | 1.9 | 0 | 13.0 | 3 | 200 | 2 | 0.16 | 1.70 | 0.83 | 0.80 |
| 6 | 5 | 60-100 | 6.8 | 5.9 | 0.03 | 0.26 | 5 | 4.1 | 4.8 | 0.4 | 0.1 | 0.0 | 9.4 | 1.1 | 0.03 | 0.9 | 0 | 1.8 | 7 | 180 | 2 | 0.40 | 1.50 | 0.80 | 0.52 |
| 7 | 1 | 0-5 | 6.0 | 4.9 | 0.04 | 0.38 | 5 | 3.4 | 0.5 | 0.4 | 0.0 | 0.0 | 4.3 | 0.7 | 0.06 | 6.4 | 4 | 11.0 | 6 | 38 | 2 | 1.30 | 0.35 | 0.25 | 1.60 |
| 7 | 2 | 5-15 | 6.3 | 5.0 | 0.01 | 0.10 | 5 | 3.5 | 0.6 | 0.1 | 0.0 | 0.0 | 4.2 | 0.7 | 0.01 | 6.3 | 6 | 1.7 | 3 | 48 | 1 | 0.25 | 0.40 | 0.17 | 1.00 |
| 7 | 3 | 15-30 | 6.9 | 5.7 | 0.01 | 0.14 | 5 | 2.3 | 0.5 | 0.1 | 0.0 | 0.0 | 2.9 | 1.0 | 0.01 | 4.9 | 12 | 1.9 | 3 | 25 | 1 | 0.07 | 0.16 | 0.13 | 0.40 |
| 7 | 4 | 30-60 | 7.1 | 6.1 | 0.02 | 0.17 | 5 | 1.4 | 0.4 | 0.1 | 0.0 | 0.0 | 1.9 | 0.5 | 0.04 | 3.4 | 14 | 1.7 | 3 | 20 | 1 | 0.02 | 0.10 | 0.14 | 0.17 |
| 7 | 5 | 60-100 | 7.5 | 6.1 | 0.02 | 0.17 | 5 | 1.6 | 1.8 | 0.2 | 0.2 | 0.0 | 3.8 | 5.8 | 0.00 | 0.9 | 14 | 1.2 | 3 | 39 | 1 | 0.01 | 0.09 | 0.54 | 0.20 |
| 8 | 1 | 0-5 | 7.3 | 6.3 | 0.04 | 0.34 | 50 | 7.6 | 4.4 | 0.7 | 0.1 | 0.0 | 12.7 | 0.6 | 0.07 | 1.7 | 7 | 1.8 | 6 | 46 | 3 | 0.12 | 0.58 | 0.35 | 0.63 |
| 8 | 2 | 5-15 | 8.0 | 7.4 | 0.15 | 1.29 | 5 | 13.0 | 6.2 | 0.6 | 0.2 | 0.0 | 20.0 | 1.0 | 0.14 | 2.1 | 0 | 5.9 | 3 | 67 | 2 | 0.06 | 0.76 | 0.62 | 0.63 |
| 8 | 3 | 15-30 | 8.5 | 7.9 | 0.15 | 1.29 | 5 | 21.0 | 7.2 | 0.6 | 0.4 | 0.0 | 29.1 | 1.3 | 0.12 | 2.9 | 0 | 1.1 | 3 | 81 | 2 | 0.04 | 0.70 | 0.88 | 0.54 |
| 8 | 4 | 30-60 | 9.1 | 8.2 | 0.18 | 1.55 | 5 | 20.0 | 10.0 | 0.5 | 1.3 | 0.0 | 31.8 | 4.1 | 0.04 | 2.0 | 2 | 0.3 | 3 | 85 | 2 | 0.03 | 0.77 | 1.30 | 0.26 |
| 8 | 5 | 60-100 | 9.4 | 8.3 | 0.29 | 2.49 | 23 | 17.0 | 14.0 | 0.4 | 3.2 | 0.0 | 34.6 | 9.2 | 0.03 | 1.2 | 11 | 0.3 | 3 | 81 | 8 | 0.04 | 0.74 | 2.50 | 0.16 |
| 9 | 1 | 0-5 | 6.7 | 5.9 | 0.09 | 0.77 | 22 | 6.1 | 2.2 | 1.2 | 0.1 | 0.0 | 9.6 | 1.3 | 0.07 | 2.8 | 11 | 12.0 | 9 | 44 | 4 | 1.60 | 1.30 | 0.55 | 1.40 |
| 9 | 2 | 5-15 | 6.7 | 5.6 | 0.03 | 0.25 | 19 | 5.7 | 2.0 | 0.8 | 0.1 | 0.1 | 8.8 | 1.0 | 0.03 | 2.9 | 13 | 2.5 | 6 | 46 | 2 | 1.00 | 1.30 | 0.45 | 0.96 |
| 9 | 3 | 15-30 | 7.8 | 6.5 | 0.04 | 0.30 | 5 | 8.9 | 4.5 | 0.6 | 0.5 | 0.0 | 14.5 | 3.3 | 0.01 | 2.0 | 15 | 1.3 | 3 | 66 | 1 | 0.21 | 1.20 | 0.67 | 0.63 |
| 9 | 4 | 30-60 | 8.7 | 7.3 | 0.07 | 0.47 | 16 | 11.0 | 7.7 | 0.6 | 1.4 | 0.0 | 20.7 | 6.8 | 0.01 | 1.4 | 13 | 1.0 | 3 | 73 | 1 | 0.08 | 1.10 | 1.00 | 0.46 |
| 9 | 5 | 60-100 | 9.3 | 8.2 | 0.32 | 2.13 | 83 | 18.0 | 11.0 | 0.4 | 3.9 | 0.0 | 33.3 | 11.7 | 0.03 | 1.6 | 14 | 1.1 | 3 | 93 | 10 | 0.04 | 1.10 | 2.60 | 0.19 |
| 10 | 1 | 0-5 | 8.6 | 7.8 | 0.14 | 0.93 | 5 | 27.0 | 8.4 | 1.2 | 0.3 | 0.0 | 36.9 | 0.9 | 0.16 | 3.2 | 0 | 1.1 | 3 | 140 | 2 | 0.31 | 0.91 | 0.82 | 0.97 |
| 10 | 2 | 5-15 | 8.7 | 7.9 | 0.16 | 1.06 | 5 | 28.0 | 10.0 | 1.0 | 0.7 | 0.0 | 39.7 | 1.7 | 0.09 | 2.8 | 1 | 0.5 | 3 | 140 | 2 | 0.22 | 0.92 | 0.85 | 0.85 |
| 10 | 3 | 15-30 | 9.0 | 8.1 | 0.23 | 1.53 | 17 | 25.0 | 15.0 | 0.8 | 2.3 | 0.0 | 43.1 | 5.3 | 0.04 | 1.7 | 13 | 0.3 | 3 | 140 | 3 | 0.13 | 1.10 | 1.50 | 0.72 |
| 10 | 4 | 30-60 | 9.2 | 8.3 | 0.44 | 3.30 | 150 | 21.0 | 17.0 | 0.5 | 5.0 | 0.0 | 43.5 | 11.5 | 0.04 | 1.2 | 7 | 0.3 | 3 | 130 | 20 | 0.06 | 0.94 | 2.80 | 0.46 |
| 10 | 5 | 60-100 | 8.8 | 8.2 | 1.07 | 8.03 | 650 | 18.0 | 20.0 | 0.5 | 9.1 | 0.0 | 47.6 | 19.1 | 0.06 | 0.9 | 0 | 0.3 | 3 | 110 | 190 | 0.13 | 0.92 | 1.80 | 0.33 |

| Map ID | Layer number | Depth (cm) | pH water | pH CaCl2 | EC 1:5 dS/m | ECe (dS/m) | Chloride (mg/kg) | Exchangeable cations, meq/100g | | | | | CEC | ESP | ESI | Ca/Mg | ASWAT score | NO3-N (mg/kg) | Colwell-P (mg/kg) | PBI | SO4-S (mg/kg) | DTPA-Zn (mg/kg) | DTPA-Cu (mg/kg) | Boron (mg/kg) | Org. C (%) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | Ca | Mg | K | Na | Al | | | | | | | | | | | | | |
| 11 | 1 | 0-5 | 7.7 | 7.1 | 0.35 | 2.63 | 100 | 7.9 | 6.8 | 0.5 | 1.1 | 0.0 | 16.3 | 6.7 | 0.05 | 1.2 | 15 | 1.6 | 3 | 62 | 19 | 0.47 | 1.00 | 0.62 | 0.89 |
| 11 | 2 | 5-15 | 7.1 | 6.0 | 0.06 | 0.42 | 12 | 9.2 | 9.4 | 0.5 | 0.9 | 0.0 | 20.0 | 4.5 | 0.01 | 1.0 | 15 | 1.2 | 3 | 53 | 3 | 0.36 | 1.10 | 0.74 | 0.85 |
| 11 | 3 | 15-30 | 8.1 | 6.9 | 0.09 | 0.60 | 25 | 10.0 | 11.0 | 0.3 | 1.3 | 0.0 | 22.6 | 5.7 | 0.02 | 0.9 | 13 | 1.1 | 3 | 73 | 2 | 0.09 | 0.65 | 0.99 | 0.70 |
| 11 | 4 | 30-60 | 8.9 | 8.2 | 0.51 | 4.39 | 380 | 20.0 | 16.0 | 0.3 | 3.9 | 0.0 | 40.2 | 9.7 | 0.05 | 1.3 | 2 | 1.1 | 3 | 96 | 35 | 0.06 | 0.43 | 2.60 | 0.36 |
| 11 | 5 | 60-100 | 9.1 | 8.4 | 0.85 | 7.31 | 730 | 15.0 | 17.0 | 0.3 | 5.7 | 0.0 | 38.0 | 15.0 | 0.06 | 0.9 | 0 | 0.6 | 3 | 49 | 170 | 0.04 | 0.34 | 3.10 | 0.10 |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| 12 | 1 | 0-5 | 6.5 | 5.9 | 0.06 | 0.52 | 5 | 4.8 | 2.3 | 1.0 | 0.1 | 0.0 | 8.2 | 1.2 | 0.05 | 2.1 | 12 | 5.2 | 12 | 74 | 4 | 1.10 | 1.50 | 0.57 | 1.30 |
| 12 | 2 | 5-15 | 6.4 | 5.3 | 0.03 | 0.26 | 5 | 3.9 | 2.2 | 0.9 | 0.1 | 0.0 | 7.0 | 1.0 | 0.03 | 1.8 | 14 | 3.5 | 11 | 64 | 2 | 0.65 | 1.40 | 0.52 | 0.97 |
| 12 | 3 | 15-30 | 6.7 | 5.5 | 0.02 | 0.17 | 5 | 4.3 | 2.8 | 0.6 | 0.1 | 0.0 | 7.8 | 1.5 | 0.01 | 1.5 | 14 | 1.4 | 11 | 66 | 1 | 0.55 | 1.40 | 0.54 | 0.81 |
| 12 | 4 | 30-60 | 7.3 | 6.1 | 0.04 | 0.34 | 5 | 4.5 | 4.1 | 0.5 | 0.5 | 0.0 | 9.5 | 4.7 | 0.01 | 1.1 | 12 | 1.3 | 11 | 120 | 3 | 0.06 | 0.83 | 0.72 | 0.26 |
| 12 | 5 | 60-100 | 7.4 | 6.2 | 0.06 | 0.52 | 11 | 4.2 | 3.5 | 0.4 | 0.9 | 0.0 | 9.0 | 9.7 | 0.01 | 1.2 | 7 | 1.3 | 11 | 130 | 12 | 0.01 | 0.54 | 0.79 | 0.10 |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| 13 | 1 | 0-5 | 6.4 | 5.6 | 0.05 | 0.43 | 5 | 6.3 | 1.8 | 1.2 | 0.0 | 0.0 | 9.3 | 0.3 | 0.16 | 3.5 | 5 | 7.6 | 8 | 97 | 3 | 1.50 | 1.20 | 0.49 | 1.70 |
| 13 | 2 | 5-15 | 6.8 | 6.0 | 0.04 | 0.34 | 5 | 8.9 | 1.6 | 0.8 | 0.0 | 0.0 | 11.3 | 0.2 | 0.23 | 5.6 | 7 | 2.2 | 3 | 130 | 2 | 1.00 | 1.50 | 0.60 | 1.40 |
| 13 | 3 | 15-30 | 7.6 | 7.2 | 0.16 | 1.38 | 5 | 18.0 | 1.5 | 0.6 | 0.0 | 0.0 | 20.1 | 0.1 | 1.07 | 12.0 | 5 | 1.7 | 3 | 170 | 2 | 0.87 | 1.70 | 0.77 | 1.60 |
| 13 | 4 | 30-60 | 7.7 | 7.0 | 0.07 | 0.60 | 5 | 11.0 | 1.8 | 0.4 | 0.1 | 0.0 | 13.3 | 0.6 | 0.12 | 6.1 | 10 | 2.0 | 3 | 160 | 1 | 0.17 | 0.81 | 0.97 | 0.88 |
| 13 | 5 | 60-100 | 7.2 | 6.4 | 0.03 | 0.26 | 5 | 4.8 | 2.7 | 0.3 | 0.1 | 0.0 | 7.8 | 1.1 | 0.03 | 1.8 | 4 | 1.5 | 7 | 190 | 1 | 0.07 | 0.35 | 0.67 | 0.35 |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| 14 | 1 | 0-5 | 4.3 | 3.8 | 0.09 | 2.04 | 5 | 0.2 | 0.3 | 0.2 | 0.0 | 1.5 | 2.3 | 0.4 | 0.20 | 0.8 | 6 | 28.0 | 6 | 68 | 5 | 0.28 | 0.13 | 0.59 | 1.70 |
| 14 | 2 | 5-15 | 4.2 | 3.8 | 0.06 | 1.36 | 5 | 0.0 | 0.1 | 0.2 | 0.0 | 1.9 | 2.2 | 0.5 | 0.13 | 0.4 | 4 | 18.0 | 6 | 87 | 3 | 0.21 | 0.13 | 0.49 | 1.40 |
| 14 | 3 | 15-30 | 4.3 | 3.9 | 0.05 | 1.14 | 5 | 0.0 | 0.1 | 0.1 | 0.0 | 2.2 | 2.4 | 0.4 | 0.12 | 0.3 | 4 | 9.6 | 3 | 100 | 3 | 0.21 | 0.13 | 0.45 | 1.20 |
| 14 | 4 | 30-60 | 4.7 | 4.0 | 0.02 | 0.45 | 5 | 0.0 | 0.0 | 0.1 | 0.0 | 1.8 | 1.9 | 0.5 | 0.04 | 1.0 | 4 | 3.3 | 3 | 94 | 2 | 0.10 | 0.09 | 0.28 | 0.61 |
| 14 | 5 | 60-100 | 4.5 | 4.0 | 0.02 | 0.45 | 5 | 0.0 | 0.0 | 0.1 | 0.0 | 1.5 | 1.6 | 0.6 | 0.03 | 1.0 | 5 | 4.7 | 3 | 73 | 1 | 0.01 | 0.11 | 0.30 | 0.22 |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| 15 | 1 | 0-5 | 5.8 | 4.7 | 0.02 | 0.45 | 5 | 1.1 | 0.2 | 0.2 | 0.0 | 0.0 | 1.5 | 0.7 | 0.03 | 4.8 | 5 | 3.1 | 7 | 18 | 4 | 0.56 | 0.07 | 0.13 | 0.71 |
| 15 | 2 | 5-15 | 5.9 | 4.5 | 0.02 | 0.45 | 5 | 0.9 | 0.1 | 0.1 | 0.0 | 0.2 | 1.3 | 0.8 | 0.03 | 7.2 | 6 | 1.7 | 3 | 30 | 2 | 0.08 | 0.07 | 0.10 | 0.52 |
| 15 | 3 | 15-30 | 6.0 | 4.8 | 0.01 | 0.23 | 5 | 0.3 | 0.1 | 0.1 | 0.0 | 0.0 | 0.4 | 2.6 | 0.00 | 4.3 | 11 | 1.4 | 3 | 19 | 1 | 0.01 | 0.04 | 0.07 | 0.10 |
| 15 | 4 | 30-60 | 6.2 | 5.1 | 0.01 | 0.23 | 5 | 0.3 | 0.1 | 0.1 | 0.0 | 0.0 | 0.4 | 2.5 | 0.00 | 3.9 | 12 | 0.7 | 3 | 13 | 1 | 0.01 | 0.04 | 0.04 | 0.10 |
| 15 | 5 | 60-100 | 5.9 | 4.2 | 0.02 | 0.17 | 5 | 0.1 | 2.6 | 0.4 | 0.5 | 0.6 | 4.2 | 12.1 | 0.00 | 0.0 | 13 | 2.9 | 3 | 86 | 4 | 0.01 | 0.24 | 0.30 | 0.10 |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| 16 | 1 | 0-5 | 4.6 | 4.2 | 0.40 | 3.44 | 180 | 3.1 | 3.1 | 0.6 | 0.2 | 1.0 | 8.1 | 2.7 | 0.15 | 1.0 | 6 | 54.0 | 9 | 69 | 120 | 0.63 | 0.31 | 0.32 | 0.60 |
| 16 | 2 | 5-15 | 4.2 | 3.9 | 0.45 | 3.87 | 340 | 2.8 | 4.2 | 0.6 | 0.3 | 2.2 | 10.2 | 3.1 | 0.15 | 0.7 | 0 | 95.0 | 3 | 110 | 48 | 0.75 | 0.33 | 0.35 | 0.54 |
| 16 | 3 | 15-30 | 4.5 | 3.9 | 0.16 | 1.38 | 90 | 2.0 | 5.7 | 0.8 | 0.3 | 4.3 | 13.1 | 2.6 | 0.06 | 0.4 | 0 | 38.0 | 3 | 180 | 12 | 0.67 | 0.23 | 0.35 | 0.45 |
| 16 | 4 | 30-60 | 4.7 | 3.7 | 0.08 | 0.69 | 5 | 0.9 | 7.6 | 0.8 | 0.5 | 6.3 | 16.0 | 3.0 | 0.03 | 0.1 | 0 | 17.0 | 3 | 190 | 9 | 0.51 | 0.10 | 0.26 | 0.31 |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| 17 | 1 | 0-5 | 6.8 | 5.9 | 0.08 | 0.69 | 17 | 6.7 | 1.9 | 2.2 | 0.0 | 0.0 | 10.8 | 0.4 | 0.22 | 3.5 | 11 | 6.3 | 8 | 39 | 2 | 1.80 | 0.79 | 0.53 | 1.40 |
| 17 | 2 | 5-15 | 6.6 | 5.6 | 0.05 | 0.43 | 5 | 9.3 | 2.5 | 1.9 | 0.1 | 0.0 | 13.8 | 0.4 | 0.14 | 3.7 | 13 | 2.4 | 5 | 52 | 2 | 0.88 | 1.00 | 0.61 | 1.10 |
| 17 | 3 | 15-30 | 7.1 | 6.4 | 0.06 | 0.40 | 5 | 14.0 | 3.6 | 1.9 | 0.1 | 0.0 | 19.6 | 0.3 | 0.20 | 3.9 | 13 | 1.2 | 3 | 55 | 2 | 0.34 | 0.97 | 0.78 | 0.88 |
| 17 | 4 | 30-60 | 8.5 | 7.8 | 0.15 | 1.13 | 12 | 21.0 | 4.6 | 1.6 | 0.1 | 0.0 | 27.3 | 0.4 | 0.34 | 4.6 | 0 | 1.6 | 3 | 66 | 1 | 0.06 | 0.53 | 0.76 | 0.38 |
| 17 | 5 | 60-100 | 8.7 | 8.0 | 0.19 | 1.43 | 30 | 21.0 | 8.7 | 1.7 | 0.7 | 0.0 | 32.1 | 2.0 | 0.09 | 2.4 | 0 | 0.3 | 3 | 55 | 2 | 0.03 | 0.61 | 1.20 | 0.19 |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| 18 | 1 | 0-5 | 8.4 | 7.7 | 0.17 | 1.46 | 15 | 30.0 | 6.0 | 1.9 | 0.2 | 0.0 | 38.1 | 0.6 | 0.29 | 5.0 | 11 | 2.0 | 3 | 120 | 3 | 0.48 | 0.74 | 0.80 | 1.10 |
| 18 | 2 | 5-15 | 8.5 | 7.8 | 0.16 | 1.38 | 5 | 29.0 | 7.1 | 1.3 | 0.4 | 0.0 | 37.8 | 1.0 | 0.16 | 4.1 | 11 | 1.4 | 3 | 110 | 2 | 0.29 | 0.77 | 0.82 | 0.94 |
| 18 | 3 | 15-30 | 8.9 | 8.0 | 0.21 | 1.81 | 15 | 26.0 | 10.0 | 0.8 | 1.4 | 0.0 | 38.2 | 3.7 | 0.06 | 2.6 | 11 | 0.5 | 3 | 140 | 4 | 0.07 | 0.66 | 1.50 | 0.47 |
| 18 | 4 | 30-60 | 9.2 | 8.2 | 0.31 | 2.67 | 23 | 22.0 | 13.0 | 0.6 | 3.2 | 0.0 | 38.8 | 8.3 | 0.04 | 1.7 | 1 | 1.3 | 3 | 140 | 8 | 0.04 | 0.67 | 3.20 | 0.38 |
| 18 | 5 | 60-100 | 9.4 | 8.3 | 0.65 | 5.59 | 300 | 18.0 | 18.0 | 0.7 | 7.6 | 0.0 | 44.3 | 17.1 | 0.04 | 1.0 | 15 | 3.5 | 3 | 83 | 48 | 0.06 | 0.45 | 2.70 | 0.17 |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| 19 | 1 | 0-5 | 6.6 | 5.8 | 0.09 | 0.77 | 5 | 6.1 | 5.8 | 1.6 | 0.4 | 0.0 | 13.9 | 2.8 | 0.03 | 1.1 | 14 | 5.8 | 6 | 55 | 3 | 0.57 | 0.87 | 0.53 | 1.20 |
| 19 | 2 | 5-15 | 7.3 | 6.2 | 0.10 | 0.67 | 22 | 9.0 | 11.0 | 1.1 | 1.3 | 0.0 | 22.4 | 5.8 | 0.02 | 0.8 | 16 | 1.1 | 3 | 69 | 3 | 0.25 | 0.68 | 0.72 | 1.20 |
| 19 | 3 | 15-30 | 8.8 | 7.8 | 0.21 | 1.40 | 45 | 8.6 | 14.0 | 0.5 | 2.7 | 0.0 | 25.8 | 10.5 | 0.02 | 0.6 | 14 | 0.3 | 3 | 72 | 6 | 0.07 | 0.52 | 0.88 | 0.62 |
| 19 | 4 | 30-60 | 9.1 | 8.3 | 0.57 | 3.79 | 340 | 8.7 | 17.0 | 0.3 | 5.2 | 0.0 | 31.2 | 16.7 | 0.03 | 0.5 | 11 | 0.3 | 3 | 75 | 75 | 0.05 | 0.52 | 1.50 | 0.32 |
| 19 | 5 | 60-100 | 4.9 | 4.2 | 0.83 | 7.14 | 530 | 1.6 | 13.0 | 0.2 | 6.5 | 1.4 | 22.7 | 28.6 | 0.03 | 0.1 | 0 | 3.5 | 3 | 77 | 200 | 0.13 | 0.67 | 0.50 | 0.17 |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| 20 | 1 | 0-5 | 6.6 | 5.6 | 0.06 | 0.52 | 5 | 7.1 | 2.1 | 1.5 | 0.1 | 0.0 | 10.8 | 0.8 | 0.07 | 3.4 | 13 | 6.9 | 13 | 80 | 5 | 1.20 | 1.70 | 0.65 | 1.50 |
| 20 | 2 | 5-15 | 6.4 | 5.3 | 0.03 | 0.26 | 5 | 6.7 | 1.6 | 1.0 | 0.1 | 0.2 | 9.5 | 0.5 | 0.06 | 4.2 | 13 | 1.9 | 8 | 96 | 2 | 0.60 | 1.80 | 0.55 | 0.91 |
| 20 | 3 | 15-30 | 6.7 | 5.7 | 0.02 | 0.17 | 5 | 6.5 | 1.8 | 0.6 | 0.0 | 0.0 | 9.0 | 0.4 | 0.04 | 3.6 | 13 | 1.2 | 6 | 98 | 1 | 0.14 | 1.50 | 0.51 | 0.57 |
| 20 | 4 | 30-60 | 7.3 | 6.3 | 0.03 | 0.26 | 5 | 5.5 | 2.8 | 0.3 | 0.1 | 0.0 | 8.7 | 1.3 | 0.02 | 2.0 | 11 | 1.2 | 6 | 110 | 2 | 0.06 | 0.75 | 0.66 | 0.17 |
| 20 | 5 | 60-100 | 7.9 | 6.6 | 0.03 | 0.26 | 5 | 4.6 | 4.0 | 0.3 | 0.6 | 0.0 | 9.4 | 6.2 | 0.00 | 1.2 | 12 | 0.3 | 7 | 120 | 1 | 0.02 | 0.57 | 0.86 | 0.10 |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| 21 | 1 | 0-5 | 6.4 | 5.2 | 0.03 | 0.26 | 10 | 6.0 | 3.3 | 0.8 | 0.1 | 0.0 | 10.2 | 1.1 | 0.03 | 1.8 | 13 | 1.6 | 7 | 96 | 2 | 0.81 | 1.90 | 0.48 | 1.10 |
| 21 | 2 | 5-15 | 6.8 | 5.6 | 0.02 | 0.17 | 5 | 5.0 | 3.1 | 0.3 | 0.1 | 0.0 | 8.5 | 1.2 | 0.02 | 1.6 | 14 | 0.3 | 6 | 73 | 1 | 0.09 | 1.20 | 0.34 | 0.43 |

| Map ID | Layer number | Depth (cm) | pH water | pH CaCl2 | EC 1:5 dS/m | ECe (dS/m) | Chloride (mg/kg) | Exchangeable cations, meq/100g | | | | | CEC | ESP | ESI | Ca/Mg | ASWAT score | NO3-N (mg/kg) | Colwell-P (mg/kg) | PBI | SO4-S (mg/kg) | DTPA-Zn (mg/kg) | DTPA-Cu (mg/kg) | Boron (mg/kg) | Org. C (%) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | Ca | Mg | K | Na | Al | | | | | | | | | | | | | |
| 21 | 3 | 15-30 | 7.2 | 6.0 | 0.02 | 0.17 | 5 | 4.6 | 3.6 | 0.2 | 0.2 | 0.0 | 8.6 | 2.2 | 0.01 | 1.3 | 15 | 0.3 | 3 | 76 | 1 | 0.05 | 0.79 | 0.33 | 0.26 |
| 21 | 4 | 30-60 | 7.8 | 6.6 | 0.05 | 0.29 | 5 | 8.1 | 11.0 | 0.3 | 1.1 | 0.0 | 20.5 | 5.4 | 0.01 | 0.7 | 15 | 0.5 | 3 | 200 | 1 | 0.04 | 0.56 | 1.20 | 0.32 |
| 21 | 5 | 60-100 | 8.8 | 7.8 | 0.18 | 1.04 | 5 | 9.4 | 19.0 | 0.4 | 2.5 | 0.0 | 31.3 | 8.0 | 0.02 | 0.5 | 7 | 0.3 | 3 | 170 | 11 | 0.03 | 0.54 | 2.30 | 0.18 |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| 22 | 1 | 0-5 | 4.5 | 3.7 | 0.04 | 0.91 | 16 | 0.2 | 0.2 | 0.2 | 0.0 | 1.2 | 1.8 | 1.7 | 0.02 | 1.1 | 6 | 8.2 | 6 | 64 | 3 | 0.26 | 0.09 | 0.53 | 1.90 |
| 22 | 2 | 5-15 | 4.6 | 3.8 | 0.03 | 0.68 | 11 | 0.0 | 0.1 | 0.1 | 0.0 | 1.8 | 2.0 | 0.5 | 0.06 | 0.5 | 4 | 2.9 | 6 | 77 | 2 | 0.25 | 0.07 | 0.42 | 1.10 |
| 22 | 3 | 15-30 | 4.6 | 3.9 | 0.02 | 0.45 | 5 | 0.0 | 0.0 | 0.1 | 0.0 | 1.5 | 1.6 | 0.6 | 0.03 | 1.0 | 4 | 1.8 | 3 | 69 | 2 | 0.18 | 0.04 | 0.34 | 0.79 |
| 22 | 4 | 30-60 | 4.8 | 4.1 | 0.02 | 0.45 | 5 | 0.0 | 0.1 | 0.0 | 0.0 | 1.3 | 1.4 | 0.7 | 0.03 | 0.3 | 4 | 1.0 | 3 | 66 | 1 | 0.01 | 0.05 | 0.30 | 0.26 |
| 22 | 5 | 60-100 | 4.8 | 4.1 | 0.02 | 0.45 | 14 | 0.0 | 0.1 | 0.0 | 0.0 | 1.0 | 1.2 | 0.9 | 0.02 | 0.3 | 4 | 2.3 | 3 | 67 | 1 | 0.01 | 0.03 | 0.34 | 0.10 |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| 23 | 1 | 0-5 | 6.9 | 5.8 | 0.04 | 0.34 | 11 | 6.3 | 3.2 | 1.0 | 0.2 | 0.0 | 10.7 | 1.5 | 0.03 | 2.0 | 13 | 0.9 | 6 | 50 | 3 | 0.59 | 0.52 | 0.40 | 0.94 |
| 23 | 2 | 5-15 | 7.3 | 6.2 | 0.04 | 0.34 | 5 | 8.5 | 4.2 | 1.0 | 0.2 | 0.0 | 13.9 | 1.6 | 0.03 | 2.0 | 14 | 0.3 | 5 | 51 | 1 | 0.44 | 0.59 | 0.46 | 0.87 |
| 23 | 3 | 15-30 | 8.1 | 7.3 | 0.11 | 0.83 | 5 | 13.0 | 8.1 | 1.3 | 0.5 | 0.0 | 22.9 | 2.2 | 0.05 | 1.6 | 12 | 1.0 | 3 | 90 | 2 | 0.14 | 0.52 | 0.70 | 0.69 |
| 23 | 4 | 30-60 | 8.9 | 8.1 | 0.20 | 1.50 | 23 | 21.0 | 11.0 | 1.1 | 1.3 | 0.0 | 34.4 | 3.8 | 0.05 | 1.9 | 5 | 0.3 | 3 | 110 | 5 | 0.05 | 0.41 | 1.20 | 0.39 |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| 24 | 1 | 0-5 | 6.7 | 5.9 | 0.10 | 0.86 | 30 | 14.0 | 8.3 | 1.4 | 0.6 | 0.0 | 24.3 | 2.4 | 0.04 | 1.7 | 11 | 1.9 | 7 | 76 | 5 | 1.50 | 1.10 | 0.75 | 2.20 |
| 24 | 2 | 5-15 | 7.8 | 6.8 | 0.09 | 0.68 | 19 | 17.0 | 11.0 | 1.1 | 1.0 | 0.0 | 30.1 | 3.3 | 0.03 | 1.5 | 11 | 1.0 | 3 | 100 | 3 | 0.21 | 0.85 | 0.81 | 1.30 |
| 24 | 3 | 15-30 | 8.6 | 7.7 | 0.20 | 1.50 | 30 | 20.0 | 14.0 | 0.8 | 2.1 | 0.0 | 36.9 | 5.7 | 0.04 | 1.4 | 11 | 0.9 | 3 | 140 | 3 | 0.14 | 0.67 | 0.73 | 0.94 |
| 24 | 4 | 30-60 | 8.8 | 8.1 | 0.65 | 4.88 | 440 | 15.0 | 20.0 | 0.5 | 5.8 | 0.0 | 41.3 | 14.0 | 0.05 | 0.8 | 0 | 0.3 | 3 | 120 | 40 | 0.11 | 0.82 | 0.98 | 0.52 |
| 24 | 5 | 60-100 | 5.6 | 5.0 | 1.00 | 7.50 | 790 | 8.0 | 18.0 | 0.5 | 7.8 | 0.4 | 34.6 | 22.5 | 0.04 | 0.4 | 0 | 1.4 | 3 | 160 | 220 | 0.11 | 0.77 | 1.40 | 0.29 |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| 25 | 1 | 0-5 | 6.5 | 5.3 | 0.06 | 0.45 | 15 | 5.6 | 7.8 | 0.5 | 0.6 | 0.0 | 14.5 | 4.3 | 0.01 | 0.7 | 13 | 2.4 | 9 | 61 | 6 | 1.00 | 1.20 | 0.52 | 1.50 |
| 25 | 2 | 5-15 | 7.4 | 6.4 | 0.11 | 0.83 | 33 | 9.1 | 13.0 | 0.5 | 1.4 | 0.0 | 24.0 | 5.8 | 0.02 | 0.7 | 13 | 1.5 | 3 | 84 | 6 | 0.35 | 1.10 | 0.75 | 1.00 |
| 25 | 3 | 15-30 | 8.7 | 7.9 | 0.27 | 1.57 | 62 | 12.0 | 18.0 | 0.4 | 2.4 | 0.0 | 32.8 | 7.3 | 0.04 | 0.7 | 11 | 0.6 | 3 | 100 | 6 | 0.09 | 0.92 | 0.87 | 0.66 |
| 25 | 4 | 30-60 | 8.9 | 8.3 | 0.60 | 3.48 | 370 | 17.0 | 21.0 | 0.4 | 4.4 | 0.0 | 42.8 | 10.3 | 0.06 | 0.8 | 0 | 0.3 | 3 | 110 | 47 | 0.05 | 0.76 | 1.60 | 0.44 |
| 25 | 5 | 60-100 | 7.9 | 7.4 | 0.98 | 7.35 | 700 | 4.4 | 23.0 | 0.3 | 6.7 | 0.0 | 34.4 | 19.5 | 0.05 | 0.2 | 0 | 0.3 | 3 | 77 | 220 | 0.10 | 0.94 | 2.00 | 0.19 |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| 26 | 1 | 0-5 | 6.4 | 5.4 | 0.06 | 0.52 | 10 | 7.8 | 2.4 | 2.2 | 0.1 | 0.0 | 12.5 | 0.7 | 0.08 | 3.3 | 11 | 2.9 | 12 | 110 | 7 | 1.50 | 2.00 | 0.73 | 1.40 |
| 26 | 2 | 5-15 | 6.7 | 5.8 | 0.04 | 0.34 | 5 | 9.2 | 2.5 | 1.3 | 0.1 | 0.0 | 13.1 | 0.6 | 0.07 | 3.7 | 10 | 1.2 | 6 | 130 | 4 | 0.40 | 1.50 | 0.75 | 0.80 |
| 26 | 3 | 15-30 | 7.0 | 6.1 | 0.04 | 0.34 | 5 | 9.6 | 2.7 | 0.8 | 0.1 | 0.0 | 13.1 | 0.6 | 0.07 | 3.6 | 5 | 1.2 | 6 | 120 | 3 | 0.29 | 1.30 | 0.82 | 0.68 |
| 26 | 4 | 30-60 | 7.3 | 6.5 | 0.04 | 0.34 | 5 | 9.3 | 3.3 | 0.3 | 0.1 | 0.0 | 13.0 | 0.7 | 0.06 | 2.8 | 1 | 1.0 | 7 | 170 | 3 | 0.24 | 0.81 | 1.00 | 0.56 |
| 26 | 5 | 60-100 | 7.5 | 6.6 | 0.04 | 0.34 | 5 | 7.0 | 4.7 | 0.2 | 0.1 | 0.0 | 12.0 | 0.8 | 0.05 | 1.5 | 0 | 1.6 | 7 | 200 | 2 | 0.20 | 0.42 | 0.97 | 0.30 |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| 27 | 1 | 0-5 | 6.4 | 5.4 | 0.07 | 0.60 | 15 | 7.5 | 3.0 | 3.1 | 0.1 | 0.0 | 13.7 | 0.7 | 0.11 | 2.5 | 11 | 7.5 | 32 | 110 | 5 | 2.70 | 2.40 | 1.10 | 1.80 |
| 27 | 2 | 5-15 | 6.5 | 5.4 | 0.05 | 0.43 | 5 | 8.1 | 2.7 | 2.3 | 0.1 | 0.0 | 13.2 | 0.7 | 0.07 | 3.0 | 13 | 1.8 | 20 | 120 | 3 | 1.00 | 1.90 | 1.10 | 1.10 |
| 27 | 3 | 15-30 | 7.6 | 6.7 | 0.05 | 0.43 | 11 | 9.7 | 2.9 | 1.3 | 0.1 | 0.0 | 14.0 | 0.8 | 0.06 | 3.3 | 11 | 0.9 | 9 | 120 | 2 | 0.37 | 1.10 | 1.00 | 0.61 |
| 27 | 4 | 30-60 | 8.3 | 7.4 | 0.05 | 0.43 | 5 | 11.0 | 5.8 | 0.2 | 0.2 | 0.0 | 17.2 | 1.2 | 0.04 | 1.9 | 0 | 0.9 | 3 | 150 | 2 | 0.22 | 0.39 | 1.40 | 0.33 |
| 27 | 5 | 60-100 | 8.5 | 7.6 | 0.08 | 0.53 | 17 | 11.0 | 11.0 | 0.3 | 0.6 | 0.0 | 22.9 | 2.7 | 0.03 | 1.0 | 0 | 0.6 | 3 | 160 | 7 | 0.20 | 0.35 | 1.90 | 0.18 |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| 28 | 1 | 0-5 | 6.8 | 6.0 | 0.07 | 0.60 | 33 | 11.0 | 3.9 | 1.4 | 0.1 | 0.0 | 16.4 | 0.9 | 0.08 | 2.8 | 5 | 3.8 | 8 | 39 | 4 | 1.90 | 0.52 | 0.64 | 1.40 |
| 28 | 2 | 5-15 | 7.8 | 7.2 | 0.15 | 1.29 | 26 | 18.0 | 6.6 | 1.7 | 0.3 | 0.0 | 26.6 | 1.2 | 0.13 | 2.7 | 4 | 2.1 | 3 | 61 | 3 | 0.61 | 0.44 | 0.75 | 1.10 |
| 28 | 3 | 15-30 | 8.4 | 7.8 | 0.28 | 2.41 | 160 | 25.0 | 7.9 | 1.6 | 0.7 | 0.0 | 35.2 | 1.8 | 0.15 | 3.2 | 0 | 1.0 | 3 | 89 | 5 | 0.33 | 0.43 | 1.10 | 0.71 |
| 28 | 4 | 30-60 | 8.4 | 8.0 | 0.58 | 4.99 | 520 | 22.0 | 11.0 | 1.4 | 1.8 | 0.0 | 36.2 | 5.0 | 0.12 | 2.0 | 0 | 0.6 | 3 | 93 | 22 | 0.34 | 0.41 | 1.60 | 0.65 |
| 28 | 5 | 60-100 | 8.5 | 8.0 | 0.77 | 6.62 | 730 | 9.7 | 11.0 | 1.2 | 3.9 | 0.0 | 25.8 | 15.1 | 0.05 | 0.9 | 0 | 1.5 | 3 | 38 | 80 | 0.23 | 0.45 | 1.10 | 0.38 |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| 29 | 1 | 0-5 | 6.3 | 5.4 | 0.09 | 0.77 | 23 | 6.7 | 4.6 | 1.3 | 0.3 | 0.0 | 12.9 | 1.9 | 0.05 | 1.5 | 6 | 13.0 | 10 | 60 | 10 | 1.00 | 0.75 | 0.54 | 1.70 |
| 29 | 2 | 5-15 | 6.5 | 5.5 | 0.06 | 0.52 | 14 | 6.8 | 5.2 | 0.9 | 0.4 | 0.0 | 13.2 | 2.6 | 0.02 | 1.3 | 6 | 7.0 | 3 | 53 | 5 | 0.50 | 0.62 | 0.50 | 1.40 |
| 29 | 3 | 15-30 | 8.2 | 7.5 | 0.28 | 1.86 | 70 | 11.0 | 18.0 | 0.5 | 2.3 | 0.0 | 31.8 | 7.2 | 0.04 | 0.6 | 11 | 6.1 | 3 | 96 | 7 | 0.24 | 0.41 | 1.00 | 0.81 |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| 30 | 1 | 0-5 | 6.5 | 5.5 | 0.04 | 0.34 | 5 | 5.7 | 2.2 | 1.1 | 0.1 | 0.0 | 9.1 | 1.2 | 0.03 | 2.6 | 11 | 4.0 | 6 | 45 | 2 | 0.91 | 1.00 | 0.56 | 1.10 |
| 30 | 2 | 5-15 | 6.6 | 5.4 | 0.03 | 0.26 | 5 | 6.1 | 2.4 | 1.0 | 0.1 | 0.0 | 9.6 | 1.2 | 0.02 | 2.5 | 13 | 2.0 | 6 | 51 | 2 | 0.54 | 1.20 | 0.53 | 0.90 |
| 30 | 3 | 15-30 | 7.2 | 6.1 | 0.04 | 0.23 | 5 | 9.7 | 5.4 | 0.7 | 0.3 | 0.0 | 16.1 | 1.7 | 0.02 | 1.8 | 13 | 0.6 | 3 | 77 | 3 | 0.23 | 1.20 | 0.84 | 0.51 |
| 30 | 4 | 30-60 | 8.2 | 7.3 | 0.08 | 0.53 | 11 | 12.0 | 9.5 | 0.5 | 0.7 | 0.0 | 22.6 | 2.9 | 0.03 | 1.3 | 3 | 1.1 | 3 | 93 | 3 | 0.09 | 0.85 | 1.90 | 0.28 |
| 30 | 5 | 60-100 | 8.7 | 8.0 | 0.27 | 2.32 | 95 | 15.0 | 15.0 | 0.4 | 1.9 | 0.0 | 32.3 | 5.9 | 0.05 | 1.0 | 0 | 0.7 | 3 | 79 | 18 | 0.04 | 1.20 | 3.70 | 0.18 |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| 31 | 1 | 0-5 | 6.2 | 4.9 | 0.04 | 0.34 | 5 | 4.4 | 4.4 | 0.6 | 0.5 | 0.0 | 9.9 | 4.7 | 0.01 | 1.0 | 11 | 2.6 | 9 | 79 | 8 | 0.60 | 2.00 | 0.75 | 0.84 |
| 31 | 2 | 5-15 | 7.0 | 5.6 | 0.06 | 0.52 | 28 | 7.2 | 9.8 | 0.3 | 1.5 | 0.0 | 18.8 | 8.0 | 0.01 | 0.7 | 13 | 1.9 | 3 | 100 | 4 | 0.12 | 1.20 | 1.20 | 0.62 |
| 31 | 3 | 15-30 | 8.0 | 6.8 | 0.12 | 1.03 | 64 | 9.3 | 14.0 | 0.3 | 2.4 | 0.0 | 26.0 | 9.2 | 0.01 | 0.7 | 13 | 2.3 | 3 | 110 | 5 | 0.09 | 1.50 | 2.00 | 0.53 |
| 31 | 4 | 30-60 | 9.1 | 8.3 | 0.41 | 3.53 | 200 | 15.0 | 16.0 | 0.3 | 4.2 | 0.0 | 35.5 | 11.8 | 0.03 | 0.9 | 11 | 1.2 | 3 | 140 | 10 | 0.04 | 1.10 | 5.40 | 0.25 |
| 31 | 5 | 60-100 | 9.0 | 8.2 | 0.58 | 4.99 | 430 | 10.0 | 19.0 | 0.3 | 6.7 | 0.0 | 36.0 | 18.6 | 0.03 | 0.5 | 0 | 2.0 | 3 | 86 | 36 | 0.08 | 1.20 | 4.60 | 0.15 |
| | | | | | | | | | | | | | | | | | | | | | | | | | |

| Map ID | Layer number | Depth (cm) | pH water | pH CaCl2 | EC 1:5 dS/m | ECe (dS/m) | Chloride (mg/kg) | Exchangeable cations, meq/100g | | | | | CEC | ESP | ESI | Ca/Mg | ASWAT score | NO3-N (mg/kg) | Colwell-P (mg/kg) | PBI | SO4-S (mg/kg) | DTPA-Zn (mg/kg) | DTPA-Cu (mg/kg) | Boron (mg/kg) | Org. C (%) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | Ca | Mg | K | Na | Al | | | | | | | | | | | | | |
| 32 | 1 | 0-5 | 6.3 | 5.2 | 0.07 | 0.60 | 5 | 6.1 | 3.6 | 2.8 | 0.2 | 0.0 | 12.7 | 1.3 | 0.05 | 1.7 | 12 | 7.0 | 26 | 100 | 7 | 1.50 | 2.30 | 0.97 | 1.70 |
| 32 | 2 | 5-15 | 6.3 | 5.0 | 0.04 | 0.32 | 23 | 7.3 | 4.4 | 0.9 | 0.2 | 0.1 | 12.9 | 1.5 | 0.03 | 1.7 | 11 | 2.4 | 14 | 100 | 5 | 0.49 | 2.70 | 1.10 | 1.10 |
| 32 | 3 | 15-30 | 7.2 | 6.2 | 0.05 | 0.38 | 34 | 11.0 | 7.2 | 0.3 | 0.4 | 0.1 | 19.0 | 1.8 | 0.03 | 1.5 | 11 | 1.0 | 7 | 130 | 4 | 0.09 | 1.90 | 1.10 | 0.79 |
| 32 | 4 | 30-60 | 7.7 | 6.8 | 0.08 | 0.69 | 34 | 12.0 | 9.4 | 0.3 | 0.6 | 0.0 | 22.2 | 2.6 | 0.03 | 1.3 | 2 | 1.1 | 6 | 150 | 2 | 0.11 | 1.90 | 1.10 | 0.69 |
| 32 | 5 | 60-100 | 8.7 | 8.0 | 0.23 | 1.98 | 14 | 20.0 | 13.0 | 0.2 | 1.4 | 0.0 | 34.6 | 4.0 | 0.06 | 1.5 | 0 | 0.3 | 3 | 150 | 3 | 0.02 | 1.10 | 1.90 | 0.45 |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| 33 | 1 | 0-5 | 6.5 | 5.4 | 0.03 | 0.41 | 5 | 2.9 | 0.9 | 0.5 | 0.1 | 0.0 | 4.4 | 1.4 | 0.02 | 3.1 | 11 | 2.5 | 11 | 39 | 2 | 0.12 | 0.34 | 0.30 | 0.78 |
| 33 | 2 | 5-15 | 6.9 | 5.7 | 0.02 | 0.37 | 5 | 2.0 | 0.6 | 0.2 | 0.1 | 0.0 | 2.8 | 2.1 | 0.01 | 3.3 | 12 | 1.0 | 6 | 19 | 1 | 0.01 | 0.20 | 0.23 | 0.39 |
| 33 | 3 | 15-30 | 7.2 | 5.9 | 0.02 | 0.45 | 11 | 1.5 | 0.4 | 0.1 | 0.0 | 0.0 | 2.1 | 1.9 | 0.01 | 3.4 | 13 | 1.0 | 3 | 6 | 1 | 0.01 | 0.09 | 0.15 | 0.25 |
| 33 | 4 | 30-60 | 8.6 | 7.1 | 0.09 | 0.77 | 24 | 2.9 | 6.8 | 0.3 | 1.8 | 0.0 | 11.8 | 15.3 | 0.01 | 0.4 | 15 | 1.8 | 3 | 68 | 2 | 0.14 | 0.47 | 0.70 | 0.19 |
| 33 | 5 | 60-100 | 8.0 | 6.8 | 0.24 | 2.06 | 190 | 1.7 | 9.3 | 0.3 | 3.7 | 0.0 | 15.0 | 24.7 | 0.01 | 0.2 | 15 | 0.5 | 3 | 42 | 11 | 0.05 | 0.68 | 0.47 | 0.10 |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| 34 | 1 | 0-5 | 6.8 | 5.5 | 0.04 | 0.34 | 5 | 6.6 | 3.6 | 1.0 | 0.2 | 0.0 | 11.4 | 2.0 | 0.02 | 1.8 | 13 | 1.4 | 6 | 48 | 2 | 0.98 | 1.40 | 0.57 | 1.10 |
| 34 | 2 | 5-15 | 7.3 | 6.1 | 0.05 | 0.43 | 5 | 8.8 | 5.7 | 0.9 | 0.5 | 0.0 | 15.9 | 3.2 | 0.02 | 1.5 | 15 | 1.0 | 3 | 50 | 2 | 0.50 | 1.40 | 0.75 | 0.95 |
| 34 | 3 | 15-30 | 9.0 | 8.0 | 0.21 | 1.81 | 21 | 21.0 | 9.4 | 0.6 | 1.5 | 0.0 | 32.5 | 4.6 | 0.05 | 2.2 | 12 | 0.3 | 3 | 87 | 4 | 0.07 | 0.97 | 1.40 | 0.38 |
| 34 | 4 | 30-60 | 9.4 | 8.4 | 0.55 | 4.13 | 380 | 17.0 | 13.0 | 0.3 | 5.1 | 0.0 | 35.4 | 14.4 | 0.04 | 1.3 | 0 | 0.3 | 3 | 68 | 15 | 0.08 | 0.72 | 3.50 | 0.25 |
| 34 | 5 | 60-100 | 9.2 | 8.5 | 0.90 | 6.75 | 720 | 14.0 | 16.0 | 0.4 | 8.2 | 0.0 | 38.6 | 21.3 | 0.04 | 0.9 | 0 | 1.0 | 3 | 63 | 80 | 0.15 | 0.65 | 3.80 | 0.17 |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| 35 | 1 | 0-5 | 6.9 | 5.9 | 0.05 | 0.43 | 5 | 6.4 | 3.8 | 0.9 | 0.1 | 0.0 | 11.2 | 1.0 | 0.05 | 1.7 | 13 | 2.7 | 8 | 53 | 5 | 0.53 | 1.40 | 0.73 | 1.10 |
| 35 | 2 | 5-15 | 7.0 | 5.9 | 0.04 | 0.34 | 5 | 7.8 | 4.8 | 0.8 | 0.2 | 0.0 | 13.5 | 1.2 | 0.03 | 1.6 | 13 | 2.0 | 6 | 74 | 3 | 0.37 | 1.90 | 0.74 | 0.94 |
| 35 | 3 | 15-30 | 7.4 | 6.1 | 0.04 | 0.27 | 5 | 4.9 | 5.6 | 0.3 | 0.5 | 0.0 | 11.3 | 4.2 | 0.01 | 0.9 | 16 | 1.3 | 3 | 77 | 4 | 0.14 | 0.86 | 0.81 | 0.60 |
| 35 | 4 | 30-60 | 9.2 | 8.3 | 0.38 | 3.27 | 160 | 16.0 | 15.0 | 0.2 | 3.1 | 0.0 | 34.3 | 9.0 | 0.04 | 1.1 | 0 | 0.3 | 3 | 100 | 11 | 0.04 | 0.89 | 3.60 | 0.30 |
| 35 | 5 | 60-100 | 9.1 | 8.4 | 0.86 | 7.40 | 700 | 11.0 | 17.0 | 0.2 | 6.6 | 0.0 | 34.8 | 18.9 | 0.05 | 0.6 | 0 | 1.3 | 3 | 84 | 97 | 0.08 | 1.20 | 3.00 | 0.17 |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| 36 | 1 | 0-5 | 6.4 | 5.3 | 0.07 | 0.60 | 16 | 13.0 | 4.2 | 1.8 | 0.1 | 0.0 | 19.1 | 0.4 | 0.17 | 3.1 | 5 | 3.2 | 27 | 120 | 6 | 0.89 | 2.80 | 0.96 | 1.90 |
| 36 | 2 | 5-15 | 6.6 | 5.5 | 0.05 | 0.43 | 5 | 15.0 | 5.0 | 1.6 | 0.0 | 0.0 | 21.6 | 0.2 | 0.27 | 3.0 | 12 | 1.8 | 12 | 130 | 4 | 0.26 | 1.80 | 0.88 | 1.50 |
| 36 | 3 | 15-30 | 7.2 | 6.2 | 0.05 | 0.43 | 5 | 15.0 | 5.8 | 1.1 | 0.1 | 0.0 | 22.0 | 0.2 | 0.22 | 2.6 | 12 | 1.4 | 3 | 160 | 3 | 0.10 | 1.30 | 1.10 | 0.76 |
| 36 | 4 | 30-60 | 7.7 | 6.8 | 0.05 | 0.43 | 5 | 17.0 | 7.5 | 0.7 | 0.1 | 0.0 | 25.3 | 0.5 | 0.11 | 2.3 | 2 | 0.7 | 3 | 180 | 1 | 0.06 | 1.00 | 1.20 | 0.50 |
| 36 | 5 | 60-100 | 8.1 | 7.2 | 0.06 | 0.52 | 5 | 12.0 | 6.0 | 0.4 | 0.2 | 0.0 | 18.7 | 1.2 | 0.05 | 2.0 | 2 | 0.3 | 5 | 170 | 1 | 0.02 | 0.49 | 2.20 | 0.27 |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| 37 | 1 | 0-5 | 6.9 | 6.4 | 0.32 | 2.13 | 75 | 26.0 | 18.0 | 2.0 | 0.7 | 0.0 | 46.7 | 1.5 | 0.21 | 1.4 | 0 | 45.0 | 61 | 170 | 12 | 0.64 | 2.20 | 1.20 | 1.90 |
| 37 | 2 | 5-15 | 6.8 | 6.0 | 0.11 | 0.73 | 23 | 31.0 | 21.0 | 1.0 | 0.3 | 0.0 | 53.3 | 0.5 | 0.23 | 1.5 | 0 | 7.0 | 32 | 160 | 4 | 0.37 | 2.00 | 0.89 | 1.60 |
| 37 | 3 | 15-30 | 7.5 | 6.7 | 0.10 | 0.67 | 5 | 35.0 | 22.0 | 0.6 | 0.3 | 0.0 | 57.9 | 0.4 | 0.23 | 1.6 | 0 | 3.6 | 13 | 170 | 2 | 0.20 | 1.80 | 0.95 | 1.30 |
| 37 | 4 | 30-60 | 7.9 | 7.2 | 0.11 | 0.83 | 5 | 37.0 | 24.0 | 0.6 | 0.4 | 0.0 | 61.9 | 0.6 | 0.17 | 1.5 | 0 | 0.9 | 16 | 150 | 1 | 0.14 | 1.60 | 1.00 | 1.10 |
| 37 | 5 | 60-100 | 8.3 | 7.5 | 0.13 | 0.98 | 5 | 38.0 | 27.0 | 0.4 | 0.7 | 0.0 | 66.1 | 1.1 | 0.12 | 1.4 | 0 | 0.3 | 24 | 150 | 1 | 0.09 | 0.88 | 0.73 | 0.64 |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| 38 | 1 | 0-5 | 6.8 | 5.6 | 0.03 | 0.29 | 5 | 5.3 | 2.7 | 0.6 | 0.1 | 0.0 | 8.6 | 0.6 | 0.05 | 2.0 | 10 | 1.1 | 21 | 46 | 1 | 0.81 | 0.69 | 0.25 | 0.85 |
| 38 | 2 | 5-15 | 6.2 | 4.8 | 0.02 | 0.19 | 5 | 3.2 | 1.3 | 0.4 | 0.0 | 0.0 | 4.9 | 0.6 | 0.03 | 2.5 | 8 | 1.0 | 3 | 39 | 1 | 0.24 | 0.55 | 0.13 | 0.57 |
| 38 | 3 | 15-30 | 6.7 | 5.3 | 0.02 | 0.15 | 5 | 4.4 | 1.5 | 0.3 | 0.1 | 0.0 | 6.3 | 1.3 | 0.02 | 2.9 | 10 | 0.3 | 3 | 37 | 1 | 0.21 | 0.57 | 0.23 | 0.52 |
| 38 | 4 | 30-60 | 8.0 | 7.0 | 0.05 | 0.38 | 5 | 10.0 | 4.6 | 0.5 | 0.4 | 0.0 | 15.5 | 2.6 | 0.02 | 2.2 | 8 | 0.7 | 3 | 70 | 1 | 0.07 | 0.68 | 0.88 | 0.26 |
| 38 | 5 | 60-100 | 8.7 | 7.8 | 0.12 | 1.03 | 5 | 9.1 | 6.1 | 0.6 | 0.9 | 0.0 | 16.7 | 5.4 | 0.02 | 1.5 | 10 | 0.5 | 3 | 69 | 2 | 0.04 | 0.64 | 1.10 | 0.10 |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| 39 | 1 | 0-5 | 6.5 | 5.3 | 0.03 | 0.26 | 5 | 4.8 | 1.7 | 0.6 | 0.0 | 0.0 | 7.1 | 0.4 | 0.07 | 2.8 | 11 | 4.4 | 3 | 42 | 2 | 0.89 | 0.91 | 0.28 | 1.10 |
| 39 | 2 | 5-15 | 6.7 | 5.4 | 0.02 | 0.17 | 5 | 4.5 | 1.3 | 0.5 | 0.0 | 0.0 | 6.3 | 0.3 | 0.06 | 3.5 | 12 | 1.8 | 3 | 42 | 1 | 0.24 | 0.79 | 0.23 | 0.75 |
| 39 | 3 | 15-30 | 6.7 | 5.4 | 0.02 | 0.28 | 5 | 3.2 | 0.8 | 0.4 | 0.0 | 0.0 | 4.4 | 0.2 | 0.09 | 3.9 | 11 | 1.1 | 6 | 35 | 1 | 0.20 | 0.45 | 0.18 | 0.57 |
| 39 | 4 | 30-60 | 6.7 | 5.3 | 0.01 | 0.14 | 5 | 3.1 | 0.6 | 0.3 | 0.0 | 0.0 | 4.0 | 0.2 | 0.04 | 5.2 | 8 | 0.9 | 3 | 25 | 1 | 0.10 | 0.46 | 0.21 | 0.48 |
| 39 | 5 | 60-100 | 7.3 | 6.1 | 0.02 | 0.17 | 5 | 6.3 | 3.8 | 0.3 | 0.2 | 0.0 | 10.6 | 1.9 | 0.01 | 1.7 | 9 | 0.6 | 3 | 33 | 1 | 0.05 | 0.62 | 0.34 | 0.10 |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| 40 | 1 | 0-5 | 6.3 | 5.1 | 0.07 | 0.67 | 28 | 2.9 | 1.4 | 1.2 | 0.1 | 0.0 | 5.6 | 1.8 | 0.04 | 2.1 | 6 | 1.7 | 17 | 29 | 5 | 1.30 | 0.87 | 0.41 | 1.30 |
| 40 | 2 | 5-15 | 5.9 | 4.8 | 0.07 | 0.67 | 54 | 2.6 | 1.5 | 0.7 | 0.2 | 0.0 | 4.9 | 3.1 | 0.02 | 1.7 | 6 | 1.4 | 7 | 21 | 8 | 0.37 | 1.00 | 0.29 | 0.79 |
| 40 | 3 | 15-30 | 6.2 | 4.9 | 0.04 | 0.55 | 24 | 2.8 | 1.5 | 0.4 | 0.1 | 0.0 | 4.8 | 2.9 | 0.01 | 1.9 | 4 | 1.2 | 7 | 36 | 3 | 0.22 | 1.20 | 0.21 | 0.62 |
| 40 | 4 | 30-60 | 8.3 | 6.7 | 0.06 | 0.52 | 5 | 5.6 | 4.4 | 0.3 | 1.5 | 0.0 | 11.8 | 12.8 | 0.00 | 1.3 | 16 | 0.9 | 3 | 48 | 1 | 0.17 | 1.10 | 0.60 | 0.30 |
| 40 | 5 | 60-100 | 9.0 | 8.0 | 0.30 | 2.58 | 180 | 9.1 | 7.0 | 0.4 | 3.2 | 0.1 | 19.8 | 16.2 | 0.02 | 1.3 | 13 | 0.6 | 3 | 54 | 7 | 0.15 | 0.90 | 1.00 | 0.10 |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| 41 | 1 | 0-5 | 6.1 | 5.3 | 0.13 | 1.12 | 18 | 8.2 | 3.8 | 1.2 | 0.2 | 0.0 | 13.4 | 1.6 | 0.08 | 2.2 | 4 | 39.0 | 6 | 42 | 9 | 1.00 | 1.30 | 0.76 | 1.70 |
| 41 | 2 | 5-15 | 7.5 | 6.7 | 0.14 | 1.20 | 21 | 12.0 | 8.4 | 1.2 | 0.7 | 0.0 | 22.3 | 3.3 | 0.04 | 1.4 | 1 | 32.0 | 3 | 68 | 3 | 0.26 | 1.50 | 1.40 | 0.89 |
| 41 | 3 | 15-30 | 8.7 | 7.9 | 0.23 | 1.98 | 48 | 22.0 | 10.0 | 0.9 | 1.4 | 0.0 | 34.3 | 4.1 | 0.06 | 2.2 | 0 | 7.1 | 3 | 93 | 3 | 0.19 | 1.10 | 1.90 | 0.73 |
| 41 | 4 | 30-60 | 9.1 | 8.3 | 0.74 | 6.36 | 570 | 17.0 | 13.0 | 0.5 | 5.0 | 0.0 | 35.5 | 14.1 | 0.05 | 1.3 | 0 | 4.7 | 3 | 91 | 63 | 0.17 | 0.91 | 6.10 | 0.51 |
| 41 | 5 | 60-100 | 9.1 | 8.5 | 1.28 | 11.01 | 800 | 15.0 | 14.0 | 0.4 | 9.3 | 0.0 | 38.7 | 24.0 | 0.05 | 1.1 | 0 | 21.0 | 3 | 58 | 220 | 0.23 | 0.83 | 7.20 | 0.22 |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| 42 | 1 | 0-5 | 6.9 | 6.5 | 0.21 | 1.81 | 97 | 4.6 | 2.1 | 0.9 | 0.5 | 0.2 | 8.2 | 5.6 | 0.04 | 2.2 | 11 | 5.8 | 7 | 65 | 19 | 0.24 | 0.86 | 0.76 | 1.10 |

| Map ID | Layer number | Depth (cm) | pH water | pH CaCl2 | EC 1:5 dS/m | ECe (dS/m) | Chloride (mg/kg) | Exchangeable cations, meq/100g | | | | | CEC | ESP | ESI | Ca/Mg | ASWAT score | NO3-N (mg/kg) | Colwell-P (mg/kg) | PBI | SO4-S (mg/kg) | DTPA-Zn (mg/kg) | DTPA-Cu (mg/kg) | Boron (mg/kg) | Org. C (%) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | Ca | Mg | K | Na | Al | | | | | | | | | | | | | |
| 42 | 2 | 5-15 | 5.9 | 4.7 | 0.03 | 0.26 | 5 | 3.3 | 2.3 | 0.6 | 0.1 | 0.2 | 6.4 | 1.1 | 0.03 | 1.4 | 12 | 1.7 | 6 | 86 | 6 | 0.23 | 1.10 | 0.53 | 0.84 |
| 42 | 3 | 15-30 | 6.1 | 4.7 | 0.02 | 0.17 | 5 | 3.0 | 2.7 | 0.4 | 0.1 | 0.3 | 6.5 | 1.7 | 0.01 | 1.1 | 4 | 1.0 | 3 | 86 | 4 | 0.22 | 1.10 | 0.52 | 0.66 |
| 42 | 4 | 30-60 | 8.0 | 6.6 | 0.05 | 0.33 | 5 | 5.3 | 7.6 | 0.2 | 1.1 | 0.0 | 14.2 | 7.7 | 0.01 | 0.7 | 15 | 0.6 | 3 | 82 | 2 | 0.16 | 0.69 | 1.20 | 0.34 |
| 42 | 5 | 60-100 | 8.9 | 7.6 | 0.10 | 0.86 | 26 | 6.3 | 10.0 | 0.3 | 2.0 | 0.0 | 18.6 | 10.8 | 0.01 | 0.6 | 15 | 0.3 | 3 | 68 | 3 | 0.16 | 0.59 | 2.20 | 0.21 |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| 43 | 1 | 0-5 | 6.6 | 5.6 | 0.05 | 0.43 | 5 | 11.0 | 4.2 | 0.8 | 0.0 | 0.0 | 16.0 | 0.2 | 0.20 | 2.6 | 11 | 2.5 | 6 | 73 | 2 | 0.53 | 1.70 | 0.60 | 1.90 |
| 43 | 2 | 5-15 | 6.5 | 5.4 | 0.03 | 0.26 | 5 | 9.8 | 3.6 | 0.5 | 0.1 | 0.0 | 13.9 | 0.4 | 0.08 | 2.7 | 4 | 1.5 | 5 | 85 | 2 | 0.35 | 1.80 | 0.59 | 1.60 |
| 43 | 3 | 15-30 | 6.8 | 5.7 | 0.03 | 0.20 | 5 | 9.2 | 3.3 | 0.2 | 0.0 | 0.0 | 12.8 | 0.3 | 0.10 | 2.8 | 3 | 0.3 | 3 | 69 | 1 | 0.20 | 1.60 | 0.58 | 0.82 |
| 43 | 4 | 30-60 | 7.8 | 6.9 | 0.06 | 0.45 | 5 | 15.0 | 6.1 | 0.3 | 0.1 | 0.0 | 21.5 | 0.6 | 0.10 | 2.5 | 0 | 0.3 | 3 | 180 | 1 | 0.15 | 0.92 | 0.81 | 0.48 |
| 43 | 5 | 60-100 | 7.7 | 6.8 | 0.05 | 0.38 | 5 | 13.0 | 5.5 | 0.2 | 0.2 | 0.0 | 18.9 | 0.8 | 0.06 | 2.4 | 0 | 0.3 | 3 | 120 | 1 | 0.13 | 0.63 | 0.36 | 0.25 |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| 44 | 1 | 0-5 | 8.3 | 7.6 | 0.12 | 1.03 | 5 | 14.0 | 1.2 | 1.0 | 0.1 | 0.0 | 16.3 | 0.3 | 0.39 | 11.7 | 11 | 3.6 | 13 | 36 | 2 | 1.50 | 0.76 | 0.57 | 1.20 |
| 44 | 2 | 5-15 | 8.2 | 7.4 | 0.07 | 0.60 | 5 | 7.7 | 1.2 | 0.6 | 0.1 | 0.1 | 9.7 | 0.5 | 0.14 | 6.4 | 11 | 1.4 | 6 | 40 | 1 | 0.58 | 0.50 | 0.45 | 0.80 |
| 44 | 3 | 15-30 | 8.3 | 7.7 | 0.12 | 0.80 | 5 | 16.0 | 3.5 | 0.8 | 0.2 | 0.0 | 20.5 | 0.7 | 0.16 | 4.6 | 12 | 0.8 | 3 | 66 | 1 | 0.27 | 0.62 | 0.62 | 0.69 |
| 44 | 4 | 30-60 | 8.6 | 7.8 | 0.10 | 0.67 | 15 | 11.0 | 4.6 | 0.5 | 0.6 | 0.0 | 16.6 | 3.3 | 0.03 | 2.4 | 12 | 0.3 | 3 | 67 | 1 | 0.14 | 0.57 | 0.77 | 0.36 |
| 44 | 5 | 60-100 | 9.4 | 8.4 | 0.32 | 2.40 | 45 | 12.0 | 11.0 | 0.4 | 4.3 | 0.0 | 27.7 | 15.5 | 0.02 | 1.1 | 15 | 0.3 | 5 | 62 | 6 | 0.24 | 0.86 | 1.80 | 0.26 |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| 45 | 1 | 0-5 | 6.9 | 6.2 | 0.09 | 0.77 | 18 | 13.0 | 5.3 | 1.5 | 0.1 | 0.0 | 19.9 | 0.5 | 0.18 | 2.5 | 11 | 9.2 | 13 | 44 | 4 | 1.90 | 1.10 | 0.78 | 2.40 |
| 45 | 2 | 5-15 | 7.1 | 6.3 | 0.06 | 0.52 | 5 | 8.9 | 3.6 | 0.9 | 0.1 | 0.0 | 13.5 | 0.5 | 0.12 | 2.5 | 11 | 5.0 | 7 | 48 | 3 | 0.57 | 1.10 | 0.58 | 1.10 |
| 45 | 3 | 15-30 | 7.6 | 6.6 | 0.04 | 0.34 | 5 | 9.8 | 3.5 | 0.4 | 0.2 | 0.0 | 13.9 | 1.4 | 0.03 | 2.8 | 13 | 1.1 | 8 | 47 | 1 | 0.37 | 0.81 | 0.67 | 0.97 |
| 45 | 4 | 30-60 | 8.0 | 6.8 | 0.04 | 0.34 | 5 | 7.6 | 3.7 | 0.3 | 0.5 | 0.0 | 12.0 | 3.9 | 0.01 | 2.1 | 14 | 1.0 | 6 | 57 | 1 | 0.10 | 0.67 | 0.72 | 0.64 |
| 45 | 5 | 60-100 | 9.1 | 7.9 | 0.17 | 1.13 | 26 | 9.0 | 6.9 | 0.3 | 2.4 | 0.0 | 18.6 | 12.9 | 0.01 | 1.3 | 14 | 0.8 | 3 | 64 | 5 | 0.07 | 0.71 | 1.20 | 0.25 |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| 46 | 1 | 0-5 | 6.7 | 5.3 | 0.03 | 0.26 | 5 | 2.5 | 0.9 | 0.5 | 0.0 | 0.0 | 3.9 | 0.3 | 0.12 | 2.9 | 11 | 1.7 | 8 | 26 | 1 | 0.31 | 0.22 | 0.19 | 0.78 |
| 46 | 2 | 5-15 | 6.6 | 5.2 | 0.03 | 0.26 | 5 | 1.9 | 0.6 | 0.4 | 0.0 | 0.0 | 2.9 | 0.3 | 0.09 | 3.1 | 11 | 1.5 | 3 | 27 | 1 | 0.16 | 0.24 | 0.16 | 0.61 |
| 46 | 3 | 15-30 | 6.7 | 5.2 | 0.02 | 0.17 | 5 | 2.0 | 0.6 | 0.3 | 0.0 | 0.1 | 3.1 | 1.0 | 0.02 | 3.2 | 14 | 1.0 | 3 | 28 | 1 | 0.04 | 0.21 | 0.17 | 0.30 |
| 46 | 4 | 30-60 | 7.6 | 6.4 | 0.04 | 0.27 | 5 | 6.4 | 6.2 | 0.8 | 0.2 | 0.0 | 13.6 | 1.5 | 0.03 | 1.0 | 15 | 0.3 | 3 | 73 | 1 | 0.04 | 0.56 | 0.67 | 0.22 |
| 46 | 5 | 60-100 | 8.1 | 6.8 | 0.04 | 0.30 | 5 | 6.9 | 7.9 | 0.8 | 0.3 | 0.0 | 15.9 | 2.1 | 0.02 | 0.9 | 13 | 0.3 | 3 | 48 | 2 | 0.02 | 0.77 | 0.73 | 0.10 |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| 47 | 1 | 0-5 | 6.2 | 4.5 | 0.02 | 0.28 | 5 | 1.2 | 0.5 | 0.3 | 0.1 | 0.3 | 2.3 | 2.2 | 0.01 | 2.4 | 12 | 1.1 | 7 | 31 | 1 | 0.09 | 0.17 | 0.11 | 0.65 |
| 47 | 2 | 5-15 | 6.7 | 4.8 | 0.02 | 0.28 | 5 | 1.6 | 0.5 | 0.2 | 0.1 | 0.2 | 2.6 | 5.4 | 0.00 | 3.3 | 14 | 0.8 | 6 | 26 | 1 | 0.06 | 0.16 | 0.11 | 0.50 |
| 47 | 3 | 15-30 | 7.7 | 5.8 | 0.02 | 0.45 | 5 | 1.2 | 0.3 | 0.1 | 0.2 | 0.1 | 1.9 | 11.9 | 0.00 | 3.8 | 14 | 0.3 | 3 | 14 | 1 | 0.02 | 0.07 | 0.09 | 0.20 |
| 47 | 4 | 30-60 | 9.3 | 7.8 | 0.22 | 1.89 | 110 | 3.0 | 5.6 | 0.3 | 5.7 | 0.1 | 14.7 | 38.8 | 0.01 | 0.5 | 15 | 0.8 | 3 | 41 | 8 | 0.08 | 0.38 | 1.20 | 0.10 |
| 47 | 5 | 60-100 | 9.4 | 8.1 | 0.37 | 3.18 | 230 | 2.5 | 6.3 | 0.4 | 7.5 | 0.0 | 16.7 | 45.0 | 0.01 | 0.4 | 13 | 3.4 | 3 | 43 | 31 | 0.04 | 0.63 | 1.50 | 0.10 |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| 48 | 1 | 0-5 | 5.2 | 4.0 | 0.03 | 0.68 | 5 | 0.5 | 0.4 | 0.2 | 0.0 | 1.3 | 2.5 | 1.6 | 0.02 | 1.3 | 4 | 2.8 | 6 | 52 | 3 | 0.29 | 0.14 | 0.47 | 1.90 |
| 48 | 2 | 5-15 | 4.9 | 4.0 | 0.03 | 0.68 | 5 | 0.2 | 0.2 | 0.1 | 0.0 | 1.4 | 1.9 | 1.6 | 0.02 | 0.9 | 6 | 5.2 | 3 | 57 | 3 | 0.27 | 0.15 | 0.37 | 1.20 |
| 48 | 3 | 15-30 | 4.5 | 4.0 | 0.04 | 0.91 | 5 | 0.1 | 0.1 | 0.1 | 0.0 | 1.7 | 2.0 | 2.0 | 0.02 | 1.1 | 5 | 12.0 | 3 | 72 | 2 | 0.28 | 0.16 | 0.41 | 0.98 |
| 48 | 4 | 30-60 | 4.7 | 4.1 | 0.03 | 0.68 | 5 | 0.1 | 0.1 | 0.1 | 0.0 | 1.2 | 1.4 | 0.7 | 0.04 | 0.8 | 0 | 8.2 | 3 | 50 | 1 | 0.04 | 0.07 | 0.29 | 0.41 |
| 48 | 5 | 60-100 | 5.1 | 4.1 | 0.01 | 0.23 | 5 | 0.0 | 0.1 | 0.1 | 0.0 | 1.1 | 1.4 | 2.2 | 0.00 | 0.2 | 0 | 1.4 | 3 | 56 | 1 | 0.04 | 0.08 | 0.39 | 0.10 |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| 49 | 1 | 0-5 | 6.4 | 5.2 | 0.02 | 0.28 | 5 | 3.1 | 0.8 | 0.6 | 0.0 | 0.0 | 4.5 | 0.2 | 0.09 | 3.9 | 4 | 1.1 | 7 | 24 | 1 | 0.76 | 0.31 | 0.20 | 0.73 |
| 49 | 2 | 5-15 | 6.5 | 5.2 | 0.02 | 0.28 | 5 | 4.1 | 0.8 | 0.7 | 0.0 | 0.1 | 5.7 | 0.2 | 0.11 | 5.1 | 6 | 0.5 | 3 | 37 | 1 | 0.41 | 0.51 | 0.22 | 0.63 |
| 49 | 3 | 15-30 | 6.9 | 5.7 | 0.02 | 0.17 | 5 | 5.0 | 0.9 | 0.7 | 0.0 | 0.0 | 6.6 | 0.2 | 0.13 | 5.7 | 12 | 0.3 | 3 | 35 | 1 | 0.27 | 0.41 | 0.28 | 0.54 |
| 49 | 4 | 30-60 | 8.1 | 7.3 | 0.08 | 0.46 | 5 | 11.0 | 3.4 | 1.0 | 0.1 | 0.0 | 15.5 | 0.6 | 0.14 | 3.2 | 5 | 0.3 | 3 | 93 | 1 | 0.06 | 0.37 | 0.86 | 0.24 |
| 49 | 5 | 60-100 | 8.4 | 7.6 | 0.07 | 0.51 | 5 | 9.2 | 4.8 | 1.1 | 0.3 | 0.0 | 15.4 | 2.0 | 0.03 | 1.9 | 4 | 0.3 | 3 | 110 | 1 | 0.03 | 0.39 | 1.10 | 0.18 |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| 50 | 1 | 0-5 | 7.7 | 7.0 | 0.12 | 0.90 | 12 | 22.0 | 8.4 | 1.8 | 0.1 | 0.0 | 32.3 | 0.4 | 0.28 | 2.6 | 4 | 1.1 | 3 | 74 | 4 | 0.76 | 0.63 | 0.92 | 2.10 |
| 50 | 2 | 5-15 | 8.3 | 7.6 | 0.18 | 1.04 | 5 | 27.0 | 12.0 | 1.5 | 0.3 | 0.0 | 40.8 | 0.8 | 0.22 | 2.3 | 0 | 0.8 | 3 | 110 | 4 | 0.35 | 0.89 | 1.10 | 1.30 |
| 50 | 3 | 15-30 | 8.8 | 7.9 | 0.19 | 1.10 | 11 | 26.0 | 13.0 | 1.0 | 0.9 | 0.0 | 40.9 | 2.1 | 0.09 | 2.0 | 0 | 0.3 | 3 | 120 | 5 | 0.16 | 0.87 | 1.20 | 0.78 |
| 50 | 4 | 30-60 | 9.3 | 8.4 | 0.39 | 2.59 | 78 | 21.0 | 19.0 | 0.6 | 4.2 | 0.0 | 44.8 | 9.4 | 0.04 | 1.1 | 0 | 0.3 | 3 | 80 | 16 | 0.10 | 0.69 | 1.90 | 0.32 |
| 50 | 5 | 60-100 | 7.9 | 7.4 | 1.08 | 8.10 | 780 | 10.0 | 20.0 | 0.5 | 8.5 | 0.0 | 39.0 | 21.8 | 0.05 | 0.5 | 0 | 0.3 | 3 | 71 | 230 | 0.26 | 0.52 | 0.99 | 0.25 |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| 51 | 1 | 0-5 | 7.3 | 5.8 | 0.04 | 0.34 | 5 | 6.7 | 6.1 | 0.3 | 0.7 | 0.0 | 13.8 | 5.2 | 0.01 | 1.1 | 8 | 0.5 | 3 | 52 | 3 | 0.45 | 1.90 | 0.36 | 0.67 |
| 51 | 2 | 5-15 | 7.7 | 6.3 | 0.08 | 0.46 | 21 | 8.9 | 8.2 | 0.3 | 1.6 | 0.1 | 19.1 | 8.4 | 0.01 | 1.1 | 12 | 5.3 | 3 | 65 | 3 | 0.34 | 1.70 | 0.47 | 0.61 |
| 51 | 3 | 15-30 | 8.5 | 7.5 | 0.23 | 1.33 | 100 | 12.0 | 11.0 | 0.3 | 2.6 | 0.2 | 26.0 | 10.0 | 0.02 | 1.1 | 7 | 15.0 | 3 | 82 | 3 | 0.14 | 2.00 | 0.60 | 0.53 |
| 51 | 4 | 30-60 | 9.2 | 8.3 | 0.62 | 4.65 | 500 | 19.0 | 14.0 | 0.2 | 5.0 | 0.0 | 38.2 | 13.1 | 0.05 | 1.4 | 0 | 1.5 | 3 | 93 | 29 | 0.06 | 1.10 | 1.30 | 0.37 |
| 51 | 5 | 60-100 | 9.0 | 8.3 | 0.82 | 6.15 | 670 | 16.0 | 14.0 | 0.3 | 6.4 | 0.0 | 36.7 | 17.5 | 0.05 | 1.1 | 0 | 1.7 | 3 | 50 | 65 | 0.16 | 0.96 | 1.10 | 0.10 |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| 52 | 1 | 0-5 | 7.5 | 6.4 | 0.04 | 0.30 | 5 | 9.5 | 7.1 | 0.4 | 0.3 | 0.0 | 17.3 | 1.6 | 0.02 | 1.3 | 7 | 0.3 | 6 | 71 | 2 | 0.36 | 1.70 | 0.60 | 0.76 |
| 52 | 2 | 5-15 | 7.9 | 6.8 | 0.05 | 0.43 | 5 | 11.0 | 6.6 | 0.3 | 0.4 | 0.0 | 18.3 | 2.2 | 0.02 | 1.7 | 7 | 0.3 | 3 | 71 | 2 | 0.30 | 2.00 | 0.60 | 0.65 |

| Map ID | Layer number | Depth (cm) | pH water | pH CaCl2 | EC 1:5 dS/m | ECe (dS/m) | Chloride (mg/kg) | Exchangeable cations, meq/100g | | | | | CEC | ESP | ESI | Ca/Mg | ASWAT score | NO3-N (mg/kg) | Colwell-P (mg/kg) | PBI | SO4-S (mg/kg) | DTPA-Zn (mg/kg) | DTPA-Cu (mg/kg) | Boron (mg/kg) | Org. C (%) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | Ca | Mg | K | Na | Al | | | | | | | | | | | | | |
| 52 | 3 | 15-30 | 8.4 | 6.9 | 0.06 | 0.52 | 5 | 7.5 | 5.2 | 0.2 | 1.2 | 0.0 | 14.1 | 8.5 | 0.01 | 1.4 | 13 | 0.5 | 5 | 79 | 1 | 0.14 | 1.80 | 0.60 | 0.54 |
| 52 | 4 | 30-60 | 8.9 | 7.6 | 0.21 | 1.58 | 190 | 7.9 | 8.2 | 0.2 | 4.0 | 0.0 | 20.3 | 19.7 | 0.01 | 1.0 | 13 | 0.3 | 3 | 95 | 2 | 0.04 | 1.10 | 1.70 | 0.48 |
| 52 | 5 | 60-100 | 9.1 | 8.2 | 0.51 | 4.39 | 380 | 11.0 | 11.0 | 0.2 | 5.6 | 0.0 | 27.8 | 20.1 | 0.03 | 1.0 | 10 | 1.3 | 3 | 85 | 14 | 0.06 | 1.30 | 3.50 | 0.24 |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| 53 | 1 | 0-5 | 6.1 | 4.6 | 0.03 | 0.29 | 5 | 2.1 | 1.1 | 0.7 | 0.1 | 0.2 | 4.2 | 1.7 | 0.02 | 1.9 | 6 | 3.3 | 21 | 52 | 3 | 0.42 | 0.78 | 0.34 | 0.81 |
| 53 | 2 | 5-15 | 6.3 | 4.9 | 0.03 | 0.29 | 5 | 4.6 | 1.8 | 0.5 | 0.1 | 0.1 | 7.1 | 1.0 | 0.03 | 2.6 | 11 | 0.9 | 7 | 46 | 4 | 0.16 | 0.84 | 0.48 | 0.63 |
| 53 | 3 | 15-30 | 7.8 | 6.7 | 0.04 | 0.27 | 5 | 9.2 | 4.3 | 0.5 | 0.2 | 0.0 | 14.2 | 1.5 | 0.03 | 2.1 | 7 | 0.3 | 3 | 61 | 1 | 0.08 | 0.57 | 0.88 | 0.29 |
| 53 | 4 | 30-60 | 8.2 | 7.0 | 0.05 | 0.33 | 5 | 9.0 | 4.9 | 0.4 | 0.4 | 0.0 | 14.7 | 2.4 | 0.02 | 1.8 | 7 | 1.0 | 3 | 68 | 2 | 0.04 | 0.60 | 1.20 | 0.38 |
| 53 | 5 | 60-100 | 9.1 | 8.1 | 0.18 | 1.20 | 5 | 14.0 | 9.2 | 0.4 | 1.4 | 0.0 | 25.0 | 5.6 | 0.03 | 1.5 | 14 | 1.7 | 3 | 60 | 3 | 0.08 | 0.67 | 2.00 | 0.10 |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| 54 | 1 | 0-5 | 6.0 | 4.5 | 0.02 | 0.45 | 5 | 1.4 | 0.5 | 0.2 | 0.1 | 0.3 | 2.4 | 3.3 | 0.01 | 2.9 | 6 | 1.2 | 7 | 42 | 1 | 0.22 | 0.31 | 0.18 | 0.75 |
| 54 | 2 | 5-15 | 6.2 | 4.6 | 0.02 | 0.45 | 5 | 1.6 | 0.5 | 0.2 | 0.1 | 0.2 | 2.5 | 3.6 | 0.01 | 3.6 | 7 | 1.0 | 8 | 43 | 1 | 0.17 | 0.25 | 0.16 | 0.58 |
| 54 | 3 | 15-30 | 6.8 | 5.3 | 0.02 | 0.45 | 11 | 1.7 | 0.3 | 0.1 | 0.1 | 0.0 | 2.1 | 4.2 | 0.00 | 5.9 | 12 | 0.5 | 3 | 26 | 1 | 0.07 | 0.11 | 0.11 | 0.37 |
| 54 | 4 | 30-60 | 8.8 | 7.1 | 0.10 | 0.86 | 47 | 1.8 | 2.4 | 0.1 | 2.0 | 0.0 | 6.3 | 31.9 | 0.00 | 0.8 | 15 | 0.3 | 3 | 30 | 1 | 0.04 | 0.19 | 0.38 | 0.10 |
| 54 | 5 | 60-100 | 8.7 | 7.4 | 0.35 | 3.01 | 350 | 0.6 | 3.7 | 0.1 | 4.7 | 0.0 | 9.2 | 51.4 | 0.01 | 0.2 | 14 | 0.6 | 3 | 26 | 21 | 0.01 | 0.39 | 0.31 | 0.10 |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| 55 | 1 | 0-5 | 6.4 | 4.9 | 0.03 | 0.29 | 5 | 3.8 | 2.2 | 0.8 | 0.1 | 0.0 | 6.9 | 1.4 | 0.02 | 1.7 | 7 | 1.6 | 5 | 56 | 2 | 0.62 | 0.85 | 0.25 | 0.96 |
| 55 | 2 | 5-15 | 6.9 | 5.4 | 0.04 | 0.31 | 5 | 7.1 | 6.1 | 1.1 | 0.5 | 0.0 | 14.8 | 3.2 | 0.01 | 1.2 | 13 | 1.0 | 3 | 74 | 1 | 0.19 | 1.10 | 0.40 | 0.82 |
| 55 | 3 | 15-30 | 7.8 | 6.6 | 0.07 | 0.41 | 16 | 9.0 | 8.3 | 1.1 | 0.9 | 0.0 | 19.3 | 4.8 | 0.01 | 1.1 | 14 | 0.3 | 5 | 71 | 2 | 0.11 | 1.00 | 0.62 | 0.49 |
| 55 | 4 | 30-60 | 9.1 | 8.1 | 0.27 | 2.03 | 140 | 8.7 | 9.6 | 0.4 | 2.1 | 0.0 | 20.8 | 10.1 | 0.03 | 0.9 | 11 | 0.3 | 3 | 74 | 2 | 0.06 | 0.64 | 1.30 | 0.32 |
| 55 | 5 | 60-100 | 9.3 | 8.4 | 0.52 | 3.90 | 400 | 9.4 | 10.0 | 0.3 | 4.5 | 0.0 | 24.2 | 18.6 | 0.03 | 0.9 | 2 | 1.0 | 3 | 69 | 33 | 0.07 | 0.57 | 1.80 | 0.18 |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| 56 | 1 | 0-5 | 6.5 | 4.8 | 0.02 | 0.28 | 5 | 2.0 | 0.8 | 0.5 | 0.1 | 0.1 | 3.5 | 2.3 | 0.01 | 2.4 | 6 | 1.2 | 3 | 45 | 1 | 0.22 | 0.52 | 0.24 | 0.52 |
| 56 | 2 | 5-15 | 6.4 | 4.7 | 0.02 | 0.28 | 5 | 2.4 | 0.8 | 0.4 | 0.1 | 0.1 | 3.8 | 1.3 | 0.02 | 3.1 | 11 | 0.3 | 3 | 43 | 1 | 0.24 | 0.73 | 0.27 | 0.51 |
| 56 | 3 | 15-30 | 6.7 | 5.1 | 0.02 | 0.19 | 5 | 4.3 | 1.1 | 0.4 | 0.1 | 0.0 | 5.9 | 1.5 | 0.01 | 3.9 | 12 | 0.5 | 3 | 40 | 1 | 0.27 | 1.00 | 0.34 | 0.62 |
| 56 | 4 | 30-60 | 8.4 | 6.9 | 0.05 | 0.43 | 5 | 5.2 | 4.9 | 0.3 | 1.4 | 0.0 | 11.8 | 11.8 | 0.00 | 1.1 | 15 | 0.5 | 3 | 54 | 1 | 0.04 | 0.68 | 1.10 | 0.19 |
| 56 | 5 | 60-100 | 9.2 | 7.9 | 0.12 | 1.03 | 5 | 5.3 | 8.6 | 0.4 | 2.7 | 0.0 | 17.0 | 15.9 | 0.01 | 0.6 | 15 | 0.3 | 3 | 67 | 2 | 0.03 | 0.90 | 3.00 | 0.10 |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| 57 | 1 | 0-5 | 6.8 | 5.7 | 0.04 | 0.34 | 5 | 7.9 | 5.3 | 0.6 | 0.2 | 0.0 | 14.0 | 1.4 | 0.03 | 1.5 | 7 | 1.3 | 13 | 86 | 2 | 0.94 | 1.70 | 1.00 | 1.40 |
| 57 | 2 | 5-15 | 7.4 | 6.9 | 0.12 | 1.03 | 5 | 12.0 | 7.2 | 0.4 | 0.2 | 0.0 | 19.8 | 1.2 | 0.10 | 1.7 | 12 | 0.6 | 6 | 110 | 2 | 0.41 | 1.50 | 0.99 | 0.85 |
| 57 | 3 | 15-30 | 8.6 | 7.9 | 0.15 | 1.00 | 5 | 23.0 | 11.0 | 0.3 | 0.5 | 0.0 | 34.8 | 1.3 | 0.12 | 2.1 | 0 | 0.3 | 3 | 130 | 2 | 0.05 | 1.20 | 1.50 | 0.49 |
| 57 | 4 | 30-60 | 9.0 | 8.2 | 0.21 | 1.22 | 5 | 18.0 | 14.0 | 0.4 | 1.4 | 0.0 | 33.8 | 4.1 | 0.05 | 1.3 | 12 | 1.2 | 3 | 150 | 3 | 0.04 | 1.10 | 4.20 | 0.38 |
| 57 | 5 | 60-100 | 9.2 | 8.3 | 0.32 | 2.31 | 12 | 15.0 | 19.0 | 0.7 | 3.6 | 0.0 | 38.3 | 9.4 | 0.03 | 0.8 | 5 | 0.3 | 3 | 110 | 19 | 0.07 | 0.99 | 4.00 | 0.19 |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| 58 | 1 | 0-5 | 7.0 | 6.1 | 0.03 | 0.26 | 5 | 6.2 | 2.0 | 0.7 | 0.0 | 0.0 | 8.9 | 0.3 | 0.09 | 3.1 | 12 | 0.8 | 3 | 58 | 1 | 0.17 | 0.98 | 0.41 | 0.60 |
| 58 | 2 | 5-15 | 7.0 | 6.0 | 0.03 | 0.26 | 5 | 6.1 | 1.6 | 0.6 | 0.0 | 0.0 | 8.3 | 0.1 | 0.25 | 3.8 | 13 | 0.9 | 3 | 60 | 1 | 0.19 | 1.10 | 0.39 | 0.40 |
| 58 | 3 | 15-30 | 7.2 | 6.2 | 0.03 | 0.26 | 5 | 6.8 | 1.5 | 0.5 | 0.0 | 0.0 | 8.8 | 0.1 | 0.26 | 4.5 | 12 | 0.3 | 3 | 65 | 1 | 0.05 | 0.95 | 0.46 | 0.37 |
| 58 | 4 | 30-60 | 8.2 | 7.5 | 0.10 | 0.86 | 5 | 11.0 | 2.0 | 0.4 | 0.0 | 0.0 | 13.4 | 0.2 | 0.45 | 5.5 | 2 | 1.0 | 3 | 110 | 1 | 0.04 | 0.57 | 0.66 | 0.26 |
| 58 | 5 | 60-100 | 8.3 | 7.6 | 0.07 | 0.60 | 5 | 9.6 | 3.2 | 0.4 | 0.0 | 0.0 | 13.3 | 0.3 | 0.23 | 3.0 | 0 | 0.5 | 3 | 130 | 1 | 0.03 | 0.30 | 1.50 | 0.19 |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| 59 | 1 | 0-5 | 4.8 | 3.9 | 0.06 | 1.36 | 35 | 0.3 | 0.4 | 0.3 | 0.1 | 1.5 | 2.5 | 2.8 | 0.02 | 0.7 | 4 | 2.8 | 3 | 79 | 6 | 0.36 | 0.08 | 0.53 | 2.00 |
| 59 | 2 | 5-15 | 4.9 | 4.0 | 0.05 | 1.14 | 39 | 0.1 | 0.3 | 0.2 | 0.1 | 1.7 | 2.3 | 3.9 | 0.01 | 0.3 | 4 | 3.6 | 7 | 92 | 4 | 0.20 | 0.09 | 0.40 | 1.90 |
| 59 | 3 | 15-30 | 5.2 | 4.2 | 0.03 | 0.68 | 11 | 0.0 | 0.2 | 0.1 | 0.1 | 1.4 | 1.9 | 5.4 | 0.01 | 0.1 | 4 | 7.3 | 7 | 81 | 2 | 0.13 | 0.08 | 0.35 | 0.74 |
| 59 | 4 | 30-60 | 5.2 | 4.2 | 0.02 | 0.45 | 26 | 0.1 | 0.1 | 0.1 | 0.1 | 1.1 | 1.5 | 5.3 | 0.00 | 1.2 | 12 | 1.9 | 6 | 61 | 1 | 0.07 | 0.04 | 0.34 | 0.34 |
| 59 | 5 | 60-100 | 5.6 | 4.2 | 0.02 | 0.45 | 13 | 0.0 | 0.1 | 0.1 | 0.1 | 1.0 | 1.3 | 6.9 | 0.00 | 0.2 | 12 | 1.2 | 3 | 50 | 1 | 0.04 | 0.07 | 0.36 | 0.21 |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| 60 | 1 | 0-5 | 5.4 | 4.2 | 0.02 | 0.19 | 10 | 1.1 | 0.5 | 0.5 | 0.0 | 0.6 | 2.7 | 1.1 | 0.02 | 2.3 | 7 | 1.2 | 21 | 51 | 5 | 0.28 | 0.43 | 0.28 | 0.58 |
| 60 | 2 | 5-15 | 5.3 | 4.1 | 0.03 | 0.29 | 10 | 1.5 | 0.7 | 0.4 | 0.1 | 0.7 | 3.3 | 1.8 | 0.02 | 2.3 | 11 | 1.0 | 21 | 50 | 4 | 0.27 | 0.47 | 0.29 | 0.58 |
| 60 | 3 | 15-30 | 5.7 | 4.5 | 0.02 | 0.17 | 25 | 2.3 | 1.0 | 0.2 | 0.1 | 0.2 | 3.8 | 1.6 | 0.01 | 2.3 | 11 | 1.0 | 8 | 48 | 3 | 0.07 | 0.53 | 0.32 | 0.47 |
| 60 | 4 | 30-60 | 8.0 | 6.6 | 0.10 | 0.67 | 13 | 4.5 | 8.1 | 0.2 | 1.8 | 0.0 | 14.6 | 12.3 | 0.01 | 0.6 | 15 | 0.8 | 3 | 69 | 9 | 0.01 | 0.54 | 0.92 | 0.26 |
| 60 | 5 | 60-100 | 8.2 | 6.8 | 0.11 | 0.73 | 23 | 4.5 | 9.4 | 0.3 | 2.0 | 0.0 | 16.2 | 12.4 | 0.01 | 0.5 | 14 | 0.3 | 3 | 45 | 15 | 0.01 | 0.62 | 0.86 | 0.10 |
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| 61 | 1 | 0-5 | 5.7 | 4.2 | 0.02 | 0.28 | 5 | 1.0 | 1.0 | 0.4 | 0.1 | 0.6 | 3.1 | 2.3 | 0.01 | 1.0 | 6 | 1.8 | 28 | 49 | 1 | 0.19 | 0.61 | 0.25 | 0.45 |
| 61 | 2 | 5-15 | 6.8 | 5.2 | 0.04 | 0.34 | 5 | 5.2 | 5.6 | 0.2 | 1.0 | 0.0 | 12.0 | 8.3 | 0.00 | 0.9 | 14 | 0.3 | 3 | 47 | 1 | 0.05 | 0.85 | 0.45 | 0.36 |
| 61 | 3 | 15-30 | 8.6 | 7.1 | 0.07 | 0.60 | 18 | 6.6 | 7.2 | 0.2 | 1.6 | 0.0 | 15.6 | 10.2 | 0.01 | 0.9 | 14 | 1.0 | 3 | 62 | 2 | 0.01 | 0.59 | 0.74 | 0.27 |
| 61 | 4 | 30-60 | 9.2 | 7.9 | 0.18 | 1.55 | 58 | 6.1 | 9.2 | 0.3 | 2.9 | 0.0 | 18.5 | 15.7 | 0.01 | 0.7 | 8 | 1.0 | 3 | 49 | 10 | 0.02 | 0.79 | 1.20 | 0.10 |
| 61 | 5 | 60-100 | 9.2 | 8.1 | 0.34 | 2.92 | 180 | 7.7 | 15.0 | 0.4 | 5.6 | 0.0 | 28.7 | 19.5 | 0.02 | 0.5 | 4 | 6.6 | 3 | 51 | 16 | 0.04 | 0.83 | 1.80 | 0.10 |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| 62 | 1 | 0-5 | 6.6 | 5.4 | 0.03 | 0.26 | 5 | 6.9 | 4.0 | 0.6 | 0.0 | 0.0 | 11.5 | 0.3 | 0.09 | 1.7 | 7 | 1.3 | 7 | 52 | 3 | 0.17 | 0.80 | 0.38 | 1.20 |
| 62 | 2 | 5-15 | 7.0 | 5.9 | 0.03 | 0.26 | 5 | 8.7 | 5.7 | 0.4 | 0.1 | 0.0 | 14.9 | 0.7 | 0.04 | 1.5 | 6 | 0.8 | 3 | 71 | 2 | 0.07 | 0.82 | 0.44 | 0.72 |
| 62 | 3 | 15-30 | 7.1 | 6.0 | 0.04 | 0.34 | 5 | 9.7 | 7.0 | 0.4 | 0.2 | 0.0 | 17.3 | 1.3 | 0.03 | 1.4 | 6 | 0.3 | 3 | 85 | 2 | 0.05 | 1.00 | 0.60 | 0.47 |

| Map ID | Layer number | Depth (cm) | pH water | pH CaCl2 | EC 1:5 dS/m | ECe (dS/m) | Chloride (mg/kg) | Exchangeable cations, meq/100g | | | | | CEC | ESP | ESI | Ca/Mg | ASWAT score | NO3-N (mg/kg) | Colwell-P (mg/kg) | PBI | SO4-S (mg/kg) | DTPA-Zn (mg/kg) | DTPA-Cu (mg/kg) | Boron (mg/kg) | Org. C (%) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | Ca | Mg | K | Na | Al | | | | | | | | | | | | | |
| 62 | 4 | 30-60 | 7.8 | 6.5 | 0.03 | 0.26 | 5 | 7.1 | 5.5 | 0.3 | 0.4 | 0.0 | 13.3 | 3.1 | 0.01 | 1.3 | 8 | 0.6 | 3 | 62 | 1 | 0.01 | 0.85 | 0.58 | 0.28 |
| 62 | 5 | 60-100 | 8.5 | 7.1 | 0.04 | 0.34 | 5 | 5.2 | 4.8 | 0.2 | 0.5 | 0.0 | 10.7 | 4.9 | 0.01 | 1.1 | 8 | 0.9 | 3 | 53 | 1 | 0.01 | 0.31 | 0.58 | 0.10 |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| 63 | 1 | 0-5 | 5.7 | 4.5 | 0.03 | 0.29 | 13 | 2.0 | 1.2 | 0.4 | 0.0 | 0.2 | 3.8 | 1.0 | 0.03 | 1.7 | 6 | 2.6 | 3 | 37 | 2 | 0.18 | 0.29 | 0.48 | 0.84 |
| 63 | 2 | 5-15 | 5.7 | 4.5 | 0.03 | 0.29 | 12 | 2.2 | 1.7 | 0.2 | 0.1 | 0.2 | 4.4 | 1.8 | 0.02 | 1.3 | 5 | 2.0 | 3 | 44 | 4 | 0.05 | 0.32 | 0.41 | 0.69 |
| 63 | 3 | 15-30 | 6.4 | 5.1 | 0.03 | 0.29 | 20 | 2.6 | 1.8 | 0.1 | 0.1 | 0.0 | 4.6 | 2.8 | 0.01 | 1.4 | 5 | 1.0 | 3 | 26 | 2 | 0.01 | 0.18 | 0.38 | 0.59 |
| 63 | 4 | 30-60 | 8.1 | 6.8 | 0.11 | 0.95 | 67 | 2.8 | 7.7 | 0.2 | 1.6 | 0.0 | 12.3 | 13.1 | 0.01 | 0.4 | 14 | 0.3 | 3 | 42 | 4 | 0.01 | 0.17 | 0.72 | 0.21 |
| 63 | 5 | 60-100 | 8.3 | 7.3 | 0.39 | 3.35 | 350 | 1.0 | 12.0 | 0.2 | 3.8 | 0.0 | 17.0 | 22.4 | 0.02 | 0.1 | 5 | 1.6 | 3 | 36 | 29 | 0.01 | 0.40 | 0.42 | 0.10 |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| 64 | 1 | 0-5 | 4.5 | 3.7 | 0.06 | 1.36 | 22 | 0.8 | 0.5 | 0.2 | 0.0 | 0.9 | 2.4 | 0.4 | 0.14 | 1.6 | 3 | 17.0 | 10 | 41 | 4 | 0.45 | 0.15 | 0.51 | 3.50 |
| 64 | 2 | 5-15 | 4.4 | 3.8 | 0.07 | 1.59 | 17 | 0.2 | 0.2 | 0.1 | 0.0 | 1.5 | 2.0 | 1.0 | 0.07 | 1.1 | 3 | 22.0 | 7 | 60 | 3 | 0.25 | 0.14 | 0.43 | 1.60 |
| 64 | 3 | 15-30 | 4.4 | 3.9 | 0.05 | 1.14 | 14 | 0.0 | 0.2 | 0.1 | 0.0 | 1.6 | 1.9 | 2.1 | 0.02 | 0.2 | 4 | 20.0 | 6 | 94 | 2 | 0.22 | 0.10 | 0.30 | 1.30 |
| 64 | 4 | 30-60 | 4.7 | 4.0 | 0.02 | 0.45 | 5 | 0.1 | 0.1 | 0.0 | 0.0 | 1.2 | 1.4 | 1.4 | 0.01 | 0.6 | 12 | 2.7 | 3 | 63 | 1 | 0.04 | 0.04 | 0.29 | 0.34 |
| 64 | 5 | 60-100 | 4.9 | 4.0 | 0.01 | 0.14 | 5 | 0.0 | 0.1 | 0.0 | 0.0 | 1.0 | 1.1 | 0.9 | 0.01 | 0.3 | 12 | 1.4 | 3 | 52 | 1 | 0.01 | 0.06 | 0.31 | 0.10 |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| 65 | 1 | 0-5 | 4.9 | 3.9 | 0.03 | 0.68 | 10 | 0.3 | 0.3 | 0.1 | 0.1 | 0.8 | 1.6 | 3.9 | 0.01 | 0.7 | 4 | 0.8 | 3 | 25 | 5 | 0.33 | 0.05 | 0.34 | 1.80 |
| 65 | 2 | 5-15 | 4.9 | 4.0 | 0.02 | 0.45 | 5 | 0.0 | 0.1 | 0.1 | 0.0 | 1.1 | 1.3 | 1.5 | 0.01 | 0.2 | 4 | 0.3 | 3 | 42 | 2 | 0.23 | 0.05 | 0.29 | 1.20 |
| 65 | 3 | 15-30 | 5.0 | 4.1 | 0.02 | 0.45 | 5 | 0.0 | 0.1 | 0.1 | 0.0 | 1.0 | 1.2 | 0.8 | 0.02 | 0.1 | 6 | 0.3 | 3 | 40 | 2 | 0.14 | 0.05 | 0.27 | 0.76 |
| 65 | 4 | 30-60 | 5.2 | 4.2 | 0.01 | 0.23 | 5 | 0.1 | 0.2 | 0.0 | 0.0 | 0.8 | 1.1 | 1.9 | 0.01 | 0.3 | 6 | 0.5 | 3 | 48 | 1 | 0.03 | 0.02 | 0.21 | 0.27 |
| 65 | 5 | 60-100 | 5.3 | 4.2 | 0.01 | 0.23 | 5 | 0.0 | 0.1 | 0.0 | 0.0 | 0.8 | 0.9 | 1.1 | 0.01 | 0.2 | 4 | 0.7 | 3 | 44 | 1 | 0.01 | 0.01 | 0.15 | 0.10 |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| 66 | 1 | 0-5 | 6.0 | 4.7 | 0.03 | 0.41 | 5 | 1.9 | 2.3 | 0.4 | 0.1 | 0.1 | 4.8 | 2.3 | 0.01 | 0.8 | 10 | 2.2 | 3 | 58 | 3 | 0.29 | 0.35 | 0.30 | 1.10 |
| 66 | 2 | 5-15 | 6.4 | 4.7 | 0.02 | 0.19 | 10 | 1.6 | 2.1 | 0.2 | 0.3 | 0.2 | 4.3 | 6.0 | 0.00 | 0.8 | 13 | 0.8 | 3 | 64 | 1 | 0.05 | 0.41 | 0.26 | 0.58 |
| 66 | 3 | 15-30 | 6.7 | 4.8 | 0.03 | 0.29 | 16 | 1.0 | 2.8 | 0.1 | 0.5 | 0.1 | 4.5 | 11.7 | 0.00 | 0.3 | 15 | 0.7 | 3 | 66 | 1 | 0.03 | 0.38 | 0.29 | 0.50 |
| 66 | 4 | 30-60 | 7.2 | 5.7 | 0.10 | 0.95 | 72 | 0.4 | 5.7 | 0.1 | 1.5 | 0.0 | 7.7 | 19.4 | 0.01 | 0.1 | 15 | 0.3 | 3 | 51 | 3 | 0.01 | 0.36 | 0.38 | 0.22 |
| 66 | 5 | 60-100 | 6.2 | 5.2 | 0.34 | 2.92 | 320 | 0.1 | 7.4 | 0.2 | 3.4 | 0.0 | 11.2 | 30.4 | 0.01 | 0.0 | 10 | 0.9 | 3 | 47 | 38 | 0.01 | 0.61 | 0.30 | 0.10 |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| 67 | 1 | 0-5 | 6.1 | 4.7 | 0.06 | 0.57 | 17 | 1.3 | 3.0 | 0.5 | 0.5 | 0.0 | 5.3 | 9.7 | 0.01 | 0.4 | 13 | 6.5 | 22 | 30 | 6 | 0.31 | 0.32 | 0.24 | 0.73 |
| 67 | 2 | 5-15 | 6.8 | 5.3 | 0.11 | 1.05 | 40 | 3.6 | 12.0 | 0.5 | 2.5 | 0.0 | 18.6 | 13.4 | 0.01 | 0.3 | 14 | 4.3 | 6 | 46 | 6 | 0.02 | 0.52 | 0.47 | 0.66 |
| 67 | 3 | 15-30 | 8.7 | 7.4 | 0.17 | 1.46 | 36 | 3.9 | 14.0 | 0.3 | 3.7 | 0.0 | 21.9 | 16.9 | 0.01 | 0.3 | 10 | 0.5 | 3 | 47 | 6 | 0.01 | 0.35 | 0.62 | 0.40 |
| 67 | 4 | 30-60 | 8.7 | 7.8 | 0.58 | 4.99 | 480 | 3.3 | 16.0 | 0.4 | 6.3 | 0.0 | 26.0 | 24.2 | 0.02 | 0.2 | 0 | 0.7 | 3 | 51 | 62 | 0.01 | 0.49 | 0.62 | 0.25 |
| 67 | 5 | 60-100 | 8.6 | 7.8 | 0.71 | 6.11 | 590 | 2.1 | 16.0 | 0.2 | 7.1 | 0.0 | 25.4 | 28.0 | 0.03 | 0.1 | 1 | 2.9 | 3 | 41 | 100 | 0.02 | 0.54 | 0.47 | 0.15 |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| 68 | 1 | 0-5 | 6.0 | 4.6 | 0.02 | 0.17 | 5 | 2.8 | 2.4 | 0.4 | 0.0 | 0.2 | 5.8 | 0.2 | 0.12 | 1.2 | 7 | 2.1 | 7 | 70 | 2 | 0.27 | 0.64 | 0.30 | 1.20 |
| 68 | 2 | 5-15 | 5.3 | 4.1 | 0.02 | 0.17 | 5 | 2.0 | 3.0 | 0.2 | 0.1 | 1.0 | 6.2 | 1.1 | 0.02 | 0.7 | 5 | 0.3 | 3 | 75 | 2 | 0.09 | 0.84 | 0.32 | 0.60 |
| 68 | 3 | 15-30 | 6.2 | 4.8 | 0.02 | 0.17 | 5 | 6.1 | 6.0 | 0.3 | 0.2 | 0.1 | 12.7 | 1.6 | 0.01 | 1.0 | 6 | 0.3 | 3 | 57 | 1 | 0.04 | 0.58 | 0.38 | 0.37 |
| 68 | 4 | 30-60 | 7.9 | 6.8 | 0.04 | 0.34 | 5 | 9.0 | 8.3 | 0.3 | 0.3 | 0.0 | 18.0 | 1.8 | 0.02 | 1.1 | 4 | 0.3 | 3 | 56 | 1 | 0.01 | 0.64 | 0.96 | 0.27 |
| 68 | 5 | 60-100 | 8.5 | 7.8 | 0.17 | 1.46 | 41 | 14.0 | 12.0 | 0.5 | 0.7 | 0.0 | 27.1 | 2.5 | 0.07 | 1.2 | 0 | 0.3 | 3 | 54 | 2 | 0.02 | 0.67 | 0.94 | 0.10 |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| 69 | 1 | 0-5 | 5.1 | 4.1 | 0.06 | 1.36 | 34 | 1.8 | 0.9 | 0.5 | 0.1 | 1.0 | 4.3 | 2.6 | 0.02 | 1.9 | 5 | 1.5 | 6 | 90 | 2 | 0.35 | 0.09 | 0.57 | 3.40 |
| 69 | 2 | 5-15 | 4.9 | 3.9 | 0.04 | 0.73 | 17 | 0.3 | 0.4 | 0.3 | 0.1 | 2.2 | 3.2 | 2.2 | 0.02 | 0.7 | 4 | 1.0 | 3 | 120 | 2 | 0.21 | 0.09 | 0.45 | 2.50 |
| 69 | 3 | 15-30 | 5.0 | 4.0 | 0.03 | 0.41 | 13 | 0.1 | 0.4 | 0.2 | 0.0 | 1.8 | 2.6 | 1.6 | 0.02 | 0.2 | 4 | 1.1 | 3 | 110 | 2 | 0.19 | 0.09 | 0.38 | 1.40 |

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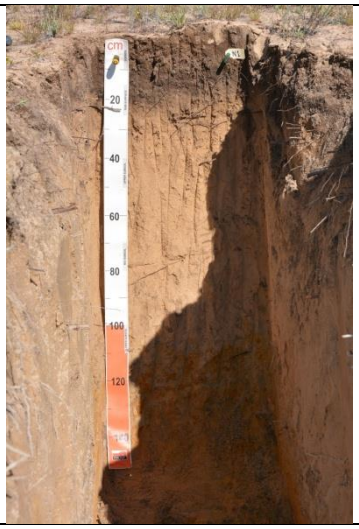
|  |  |
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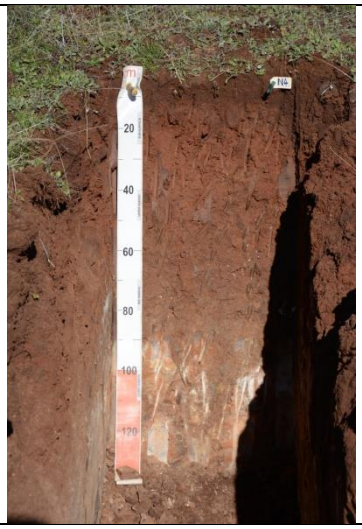
|  |  |
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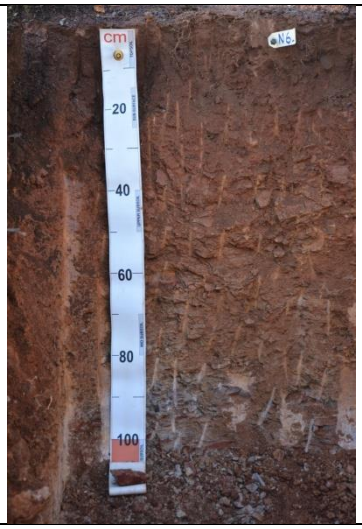
|  |  |

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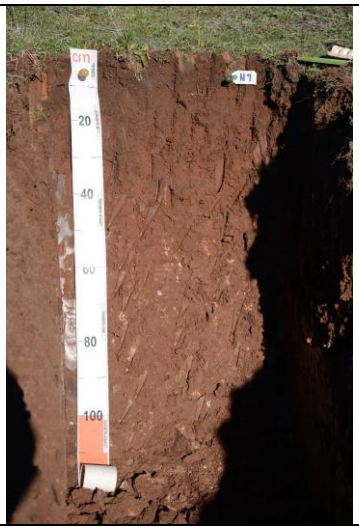
|  |  |

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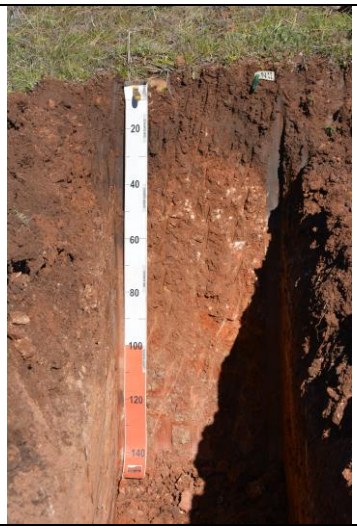
|  |  |
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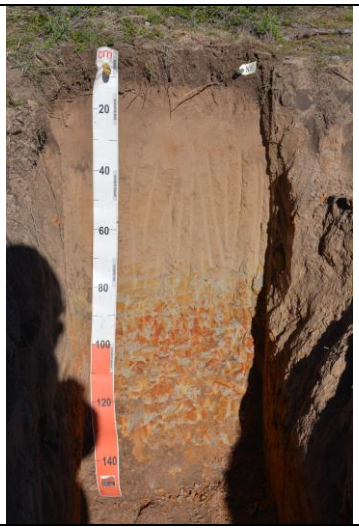
|  |  |

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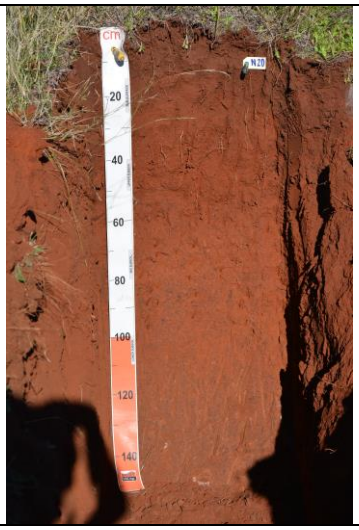
|  |  |
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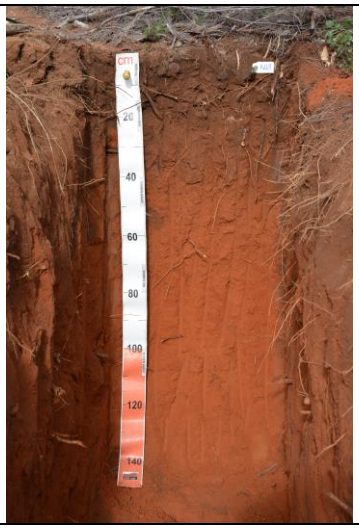
|  |  |
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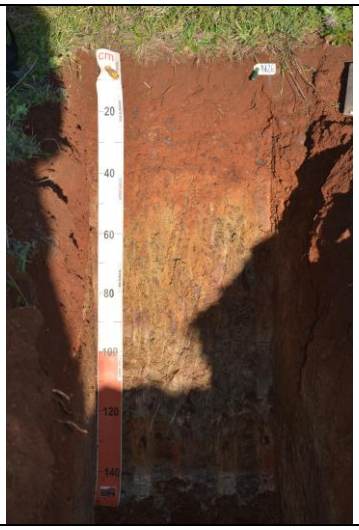
|  |  |

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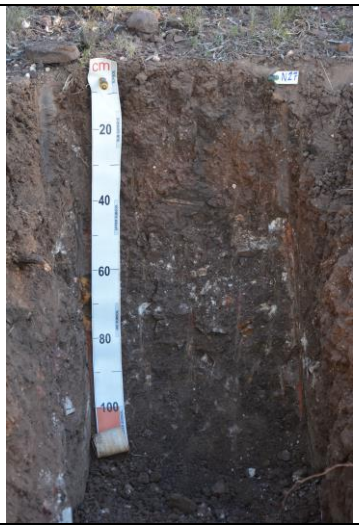
|  |  |
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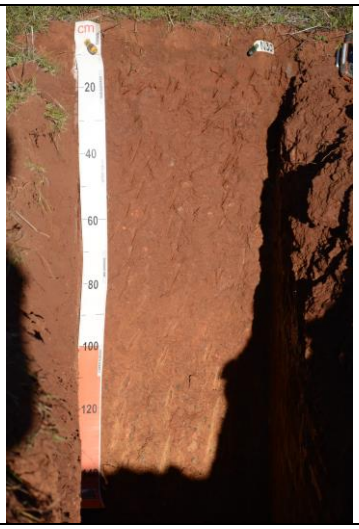
|  |  |
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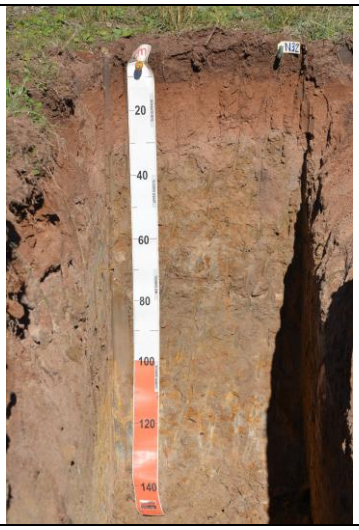
|  |  |

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| Map ID: 38 | Map ID: 38 |
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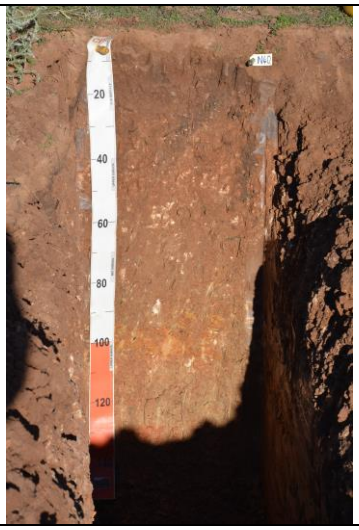
|  |  |
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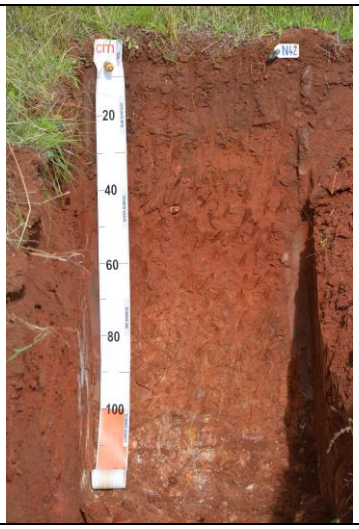
|  |  |
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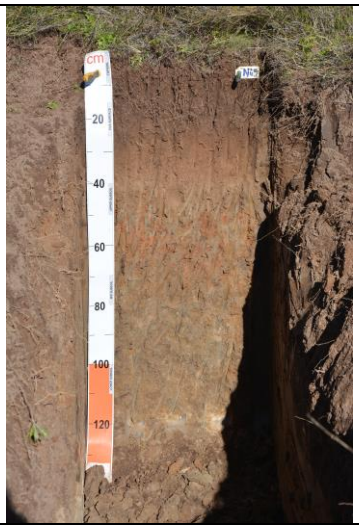
|  |  |
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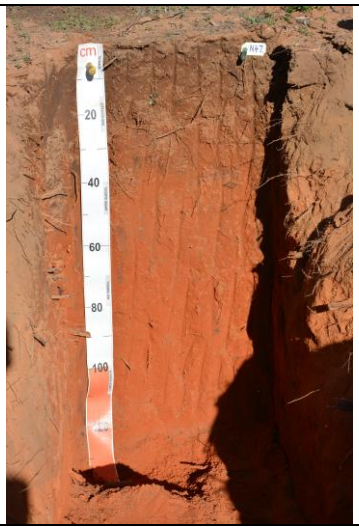
|  |  |

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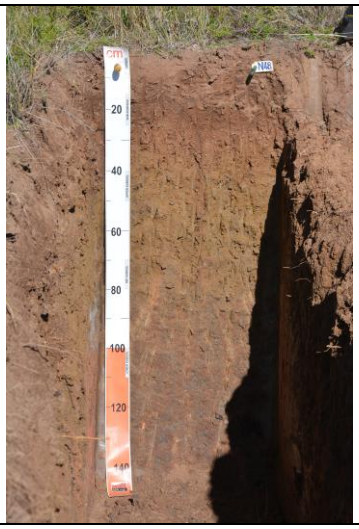
|  |  |
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| Map ID: 54 | Map ID: 54 |
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| Map ID: 55 | Map ID: 55 |
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| Map ID: 57 | Map ID: 57 |
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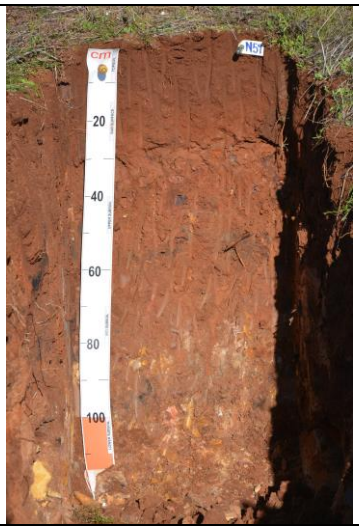
|  |  |

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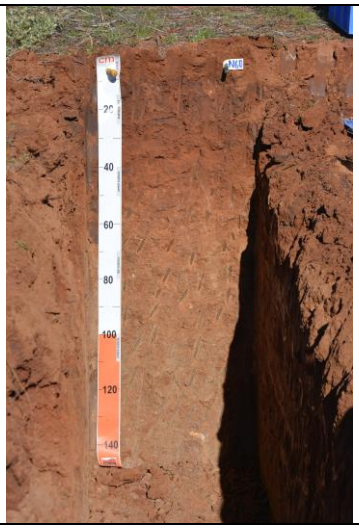
|  |  |
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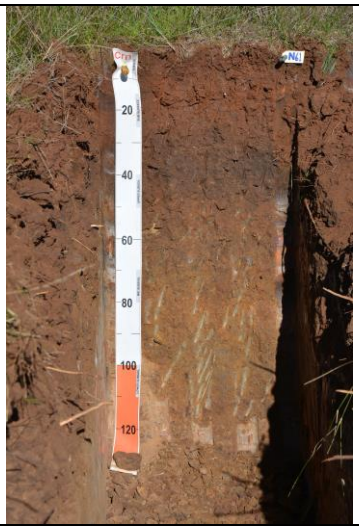
|  |  |
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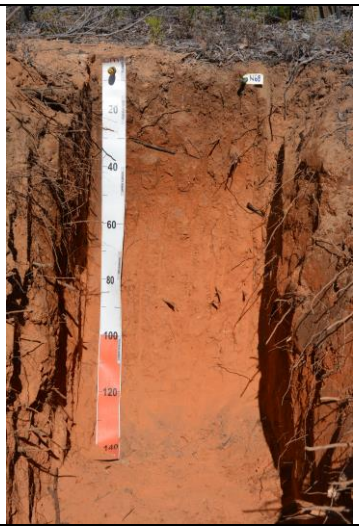
|  |  |
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| Map ID: 68 | Map ID: 68 |
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**Attachment F. LSC Methodology**

The LSC Assessment Scheme (OEH, 2012) aims to provide a reliable assessment of the potential of the land to support a range of sustainable land uses and land management practices.

A decision table is presented to identify hazards and limitations used in the scheme. The hazards are scored based on the following methodology:

***Slope class***

| *Slope %*<br>*(Field assessment)* | *Slope (LSC) class* |
|---|---|
| *<1* | 1 |
| *1 to <3* | 2 |
| *3 to <10* | 3 |
| *10 to <20* | 4 |

***Water erosion***

Water erosion LSC class is determined by slope class % figures using the Eastern and Central divisions as per OEH scheme criteria.

***Wind Erosion***

Factors used to assess wind erosion include surface soil texture, site exposure to prevailing winds, wind erosive power and average annual rainfall across the test site. For the purpose of this report site exposure to prevailing winds and wind erosive power is assumed to be moderate across all test sites due to lack of consistent information for all test site positions.

***Soil Structural Decline***

Poor soil structure limits plant growth through poor germination and root growth, low infiltration and impeding mechanical processes. The LSC classification assesses the nature of the surface soil using surface texture, degree of sodicity and degree of self-mulching. For the purpose of this report soil structural decline is determined by SOILpak score of the surface layer. The SOILpak method (McKenzie, 2001) relates to soil structural form, stability in water and resilience (Murphy *et al.* 2013) and is, therefore, a compatible method for indicating soil structural decline.

| *LSC Class* | *SOILpak Score* |
|---|---|
| *1* | > 1.5 (Including self-mulching) |
| *2* | 1.1 - 1.5 |
| *4* | 0.6 - 1.0 |
| *6* | < 0.6 |

### *Soil acidification hazard*

Soil acidification is determined by firstly estimating buffering capacity. For the purpose of this report, buffering capacity was determined by surface soil texture.

| *Surface soil texture* | *Buffering Capacity* |
|---|---|
| *Sands and sandy loams – no calcium carbonate* | Very Low |
| *Sands and sandy loams – with calcium carbonate* | Moderate |
| *Fine sandy loams – no calcium carbonate* | Low |
| *Fine sandy loams – with calcium carbonate* | Moderate |
| *Loams and clay loams – no calcium carbonate* | Moderate |
| *Loams and clay loams – with calcium carbonate* | High |
| *Dark loams and clay loams* | High |
| *Clays – no calcium carbonate* | High |
| *Clays – with calcium carbonate* | Very High |
| *Clays – with high shrink–swell* | Very High |

Buffering capacity is then used to determine soil acidification hazard:

| | *pH ($CaCl_2$) of soil surface* | | | | |
|---|---|---|---|---|---|
| ***Texture/Buffering Capacity*** | <4.0 | 4.0 – 4.7 | 4.7 – 6.0 | 6.0 – 7.5 | >7.5 |
| *Very Low* | 6 | 5 | 5 | 4 | n/a |
| *Low* | 5 | 5 | 4 | 3 | n/a |
| *Moderate* | 5 | 4 | 3 | 3 | 1 |
| *High* | n/a | n/a | 2 | 2 | 1 |
| *Very High* | n/a | n/a | 1 | 1 | 1 |

### *Salinity Hazard*

The following thresholds for salt-sensitive crops and pastures were used:

| *LSC Class* | *ECe dS/m* |
|---|---|
| *1* | <1 |
| *2* | 1 - 2 |
| *3* | 2.1 - 4 |
| *4* | 4.1 - 8 |
| *5* | 8.1 - 12 |
| *6* | 12.1 - 16 |
| *7* | 16.1 - 30 |
| *8* | >30 |

This replaced the inadequate regional approach to salinity assessment presented in the LSC guidelines.

### *Waterlogging*

LSC waterlogging class was determined using site specific information about depth to a layer with mottling and/or presence of a manganic layer (manganiferous nodules/segregations >20%).

| *LSC Class* | *Depth to Waterlogging cm* |
|---|---|
| *1* | None |
| *2* | ≥ 100 |
| *3* | 75 - <100 |
| *4* | 50 - <75 |
| *6* | 25 - <50 |
| *7* | <25 |

***Shallow soils and rockiness***

Rock outcrop presence was negligible. Therefore, the rating was based entirely on the following depths of soil to a layer with >90% rock:

| *LSC Class* | *Soil depth (cm)* |
|---|---|
| *1* | No rock encountered |
| *2* | >100 |
| *3* | 75 - <100 |
| *4* | 50 - <75 |
| *6* | 25 - <50 |
| *7* | 0 - <25 |

***Mass Movement***

Soil pit sites within the project did not exhibit evidence of mass movement. A LSC class of 1 was therefore given for each site.

**Attachment G. LSC Assessment Matrix**

| Map ID | Hazards and LSC Score | | | | | | | | | LSC Class |
|---|---|---|---|---|---|---|---|---|---|---|
| | Slope class | Water erosion | Wind erosion | Structural decline class | Soil acidification | Salinity class | Water-logging class | Shallow soil class | Mass movement | |
| 1 | 3 | 3 | 5 | 1 | 5 | 1 | 2 | 2 | 1 | **5** |
| 2 | 2 | 2 | 2 | 1 | 3 | 3 | 3 | 2 | 1 | **3** |
| 3 | 3 | 3 | 2 | 1 | 3 | 4 | 3 | 2 | 1 | **4** |
| 4 | 2 | 2 | 2 | 1 | 3 | 3 | 1 | 3 | 1 | **3** |
| 5 | 3 | 3 | 2 | 2 | 3 | 5 | 3 | 2 | 1 | **5** |
| 6 | 3 | 3 | 2 | 1 | 3 | 1 | 1 | 3 | 1 | **3** |
| 7 | 3 | 3 | 2 | 2 | 3 | 1 | 4 | 3 | 1 | **4** |
| 8 | 3 | 3 | 2 | 4 | 3 | 3 | 3 | 2 | 1 | **4** |
| 9 | 3 | 3 | 2 | 1 | 3 | 3 | 1 | 2 | 1 | **3** |
| 10 | 3 | 3 | 2 | 1 | 1 | 5 | 1 | 2 | 1 | **5** |
| 11 | 3 | 3 | 2 | 2 | 1 | 4 | 3 | 2 | 1 | **4** |
| 12 | 2 | 2 | 2 | 1 | 3 | 1 | 1 | 2 | 1 | **3** |
| 13 | 3 | 3 | 2 | 1 | 3 | 1 | 4 | 3 | 1 | **4** |
| 14 | 3 | 3 | 5 | 1 | 6 | 1 | 1 | 2 | 1 | **6** |
| 15 | 3 | 3 | 5 | 1 | 4 | 1 | 3 | 2 | 1 | **5** |
| 16 | 3 | 3 | 2 | 4 | 5 | 1 | 7 | 6 | 1 | **7** |
| 17 | 3 | 3 | 2 | 1 | 3 | 2 | 1 | 2 | 1 | **3** |
| 18 | 2 | 2 | 2 | 2 | 1 | 4 | 1 | 2 | 1 | **4** |
| 19 | 3 | 3 | 2 | 2 | 1 | 4 | 1 | 2 | 1 | **4** |
| 20 | 3 | 3 | 2 | 1 | 3 | 1 | 1 | 2 | 1 | **3** |
| 21 | 2 | 2 | 2 | 1 | 4 | 2 | 6 | 3 | 1 | **6** |
| 22 | 3 | 3 | 5 | 1 | 6 | 1 | 1 | 2 | 1 | **6** |
| 23 | 3 | 3 | 2 | 2 | 5 | 1 | 1 | 6 | 1 | **6** |
| 24 | 3 | 3 | 2 | 2 | 1 | 4 | 2 | 2 | 1 | **4** |
| 25 | 2 | 2 | 2 | 2 | 3 | 4 | 1 | 3 | 1 | **4** |
| 26 | 2 | 2 | 2 | 1 | 3 | 1 | 4 | 2 | 1 | **4** |
| 27 | 2 | 2 | 2 | 1 | 3 | 1 | 6 | 2 | 1 | **6** |
| 28 | 4 | 4 | 2 | 2 | 1 | 4 | 1 | 2 | 1 | **4** |
| 29 | 3 | 3 | 2 | 2 | 5 | 1 | 1 | 6 | 1 | **6** |

| Map ID | Hazards and LSC Score | | | | | | | | | LSC Class |
|---|---|---|---|---|---|---|---|---|---|---|
| | Slope class | Water erosion | Wind erosion | Structural decline class | Soil acidification | Salinity class | Water-logging class | Shallow soil class | Mass movement | |
| 30 | 3 | 3 | 2 | 1 | 3 | 3 | 4 | 2 | 1 | **4** |
| 31 | 2 | 2 | 2 | 4 | 3 | 4 | 3 | 2 | 1 | **4** |
| 32 | 2 | 2 | 2 | 1 | 3 | 2 | 1 | 3 | 1 | **3** |
| 33 | 3 | 3 | 3 | 1 | 4 | 3 | 6 | 2 | 1 | **6** |
| 34 | 3 | 3 | 2 | 1 | 3 | 4 | 1 | 2 | 1 | **4** |
| 35 | 3 | 3 | 2 | 1 | 3 | 4 | 1 | 2 | 1 | **4** |
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| 37 | 3 | 3 | 2 | 1 | 1 | 1 | 1 | 2 | 1 | **3** |
| 38 | 2 | 2 | 2 | 6 | 3 | 2 | 4 | 2 | 1 | **6** |
| 39 | 3 | 3 | 2 | 1 | 3 | 1 | 4 | 2 | 1 | **4** |
| 40 | 2 | 2 | 2 | 2 | 4 | 3 | 4 | 2 | 1 | **4** |
| 41 | 2 | 2 | 2 | 4 | 3 | 5 | 3 | 2 | 1 | **5** |
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| 57 | 3 | 3 | 2 | 1 | 3 | 3 | 3 | 2 | 1 | **3** |
| 58 | 2 | 2 | 2 | 1 | 3 | 1 | 4 | 1 | 1 | **4** |
| 59 | 3 | 3 | 5 | 1 | 6 | 1 | 1 | 2 | 1 | **6** |
| 60 | 2 | 2 | 2 | 1 | 5 | 1 | 6 | 3 | 1 | **6** |

| Map ID | Hazards and LSC Score | | | | | | | | | LSC Class |
|---|---|---|---|---|---|---|---|---|---|---|
| | Slope class | Water erosion | Wind erosion | Structural decline class | Soil acidification | Salinity class | Water-logging class | Shallow soil class | Mass movement | |
| 61 | 2 | 2 | 3 | 1 | 5 | 3 | 4 | 2 | 1 | **5** |
| 62 | 3 | 3 | 2 | 2 | 4 | 1 | 4 | 2 | 1 | **4** |
| 63 | 3 | 3 | 2 | 1 | 5 | 3 | 4 | 3 | 1 | **5** |
| 64 | 2 | 2 | 5 | 1 | 6 | 1 | 1 | 2 | 1 | **6** |
| 65 | 3 | 3 | 5 | 2 | 6 | 1 | 1 | 2 | 1 | **6** |
| 66 | 3 | 3 | 3 | 1 | 4 | 3 | 6 | 2 | 1 | **6** |
| 67 | 3 | 3 | 2 | 2 | 4 | 4 | 2 | 2 | 1 | **4** |
| 68 | 3 | 3 | 2 | 4 | 4 | 2 | 1 | 2 | 1 | **4** |
| 69 | 3 | 3 | 5 | 1 | 5 | 1 | 1 | 4 | 1 | **5** |