

# Soil gravimetric processing

| Date Time   | Position  | Tare (g) | Wet (g) | Dry (g) | rho (g/cm^3) | Moist (%) | Moist (%)<br>EC-5 | Comments                                                        |
|-------------|-----------|----------|---------|---------|--------------|-----------|-------------------|-----------------------------------------------------------------|
| 9/24 09:38  | S9 3-6cm  | 8.2+73.3 | 159.2   | 99.2    | 0.27         | 90.3      | 67.4              | Had to undercut sample to break it out of root mat              |
| 9/27 15:50  | S15 3-6cm | 8.2+73.3 | 162.9   | 103.9   | 0.34         | 88.8      | 64.7              | Undercut; tenacious roots; rusted corer; core slid w.r.t. rings |
| 10/11 14:30 | S1 3-6cm  | 8.2+73.3 | 165.1   | 99.7    | 0.27         | 98.4      | 62.4              | Tenacious roots                                                 |

tare = c(8.2+73.3,8.2+73.3,8.2+73.3)

wet = c(159.2,162.9,165.1)-tare

dry = c(99.2,103.9,99.7)-tare

vol = c(3)\*pi\*(5.31/2)^2

moist = 100\*(wet-dry)/vol

rho = dry/vol

m = moist

grav.moist = m

grav.comp = m

ec5 = c(67.4)

matplot(grav.comp,ec5,xlim=c(0,60),ylim=c(0,60)); abline(0,1,lty=2); abline(-8,1,col=3,lty=2)