1. Meng was not able to find the soil C pool and rate data from PDF.

***[Response from Blanca]*** *On p.79: “Linear sedimentation rates (and mass accumulation rates) based on the basal depth of 137Cs activity were 0.6 cm/year (0.4 g/cm2/year) and 1.4 cm/year (0.5 g/cm2/year) for PC-14 and PC-15, respectively.” See in Fig. 2 that these were to depth 32 cm and 70 cm respectively. Multiply the g/cm2/year of each by the average of %OC in table 1, but do the average of ONLY the top 32 and 70 cm respectively, ignore OC% data below those depths. You will get g C/cm2/y; change to gC/m2/y.*

According to the response from Blanca, the soil C was calculated as:

SC= OC (%) \* bulk density.

OC% data were from Table 1.

The paper does not report carbon density directly. We calculated carbon density from Table 1, which reported bulk density and percent organic carbon, but not carbon pool.

SC rate = SC \* accumulation rate,

The accumulation rates were .6 and 1.4 cm/yr for 137Cs and 0.6 and 0.9 cm/yr for 210 Pb. (Page 79)

