1. Meng confirmed that this publication was from Hatton’s thesis “Aspects of marsh accretion and geochemistry: Barataria Basin, Louisiana” 1981.

The paper does not report carbon density directly. We calculated carbon density from Table 5, which reported percent organic C and bulk density, but not carbon concentration. To calculate carbon density, their data were entered into a spreadsheet, then processed with SAS code to calculate carbon density. The calculation steps were as follows:

a. Convert soil carbon concentration (SoilCC) to carbon density.

SC=OC\*BD/100, where OC unit was percent and BD unit was g/cm3

SC=Soil carbon density in units of grams carbon per cubic centimeter (g/cm3)

b. Soil C rate data was from Table 5 variable Organic Carbon A (g/m2/yr)

