

# Erosion Rates of Sediment-Filled Valleys in the Calhoun Critical Zone Observatory (CCZO) Union, SC

The University of Georgia



The CCZO is located in a dendritic drainage system on the Piedmont, where during the 1800's to mid-1900's legacy sediments were emplaced from eroded soils due to poor farming practices. The Soil Conservation Act of 1935 set this land aside for study to understand how humans impact soil recovery. Measuring *in situ*  $^{10}\text{Be}$  in quartz from Holcombe Branch and Tyger River sediments will help determine erosion rates in the CCZO. Further  $^{10}\text{Be}$  measures of quartz in *in situ* soil profiles aid in this understanding.



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