

An innovative soil scientist adapted the bicycle to the railroad tracks and used it for soil survey transportation in 1913.



Some soil scientists used this rig in 1927 to save the backbreaking work of an auger.



Bull probes or push probes are common features on vehicles used today.

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Celebrating 100 Years of the National Cooperative Soil Survey 1899-1999 Photos from the Past

This year marks the centennial of the soil survey in the United States – perhaps the largest and most valuable natural resource database in the world.



*Early tools of the trade included the auger for excavation.* 



Distances are very important. An odometer was mounted on some horsedrawn buggies to automate the measuring.



In the early days, it was not uncommon for the soil scientist to push the limits of their transportation buggy to find that typical landform and describe that typical soil profile.



Two soil scientists are gathering soil samples in 1914. The canvas cloth on the ground contains color vials. These vials were tested as a mechanism to standardize colors.



The early soil scientist used a plane table and sighted through an alidade to plot soil lines on the base map.



The agriculture experiment stations were active partners in producing soil surveys from the very beginning. The sign on the car says, "Texas Agricultural Experiment Station Soil Survey."