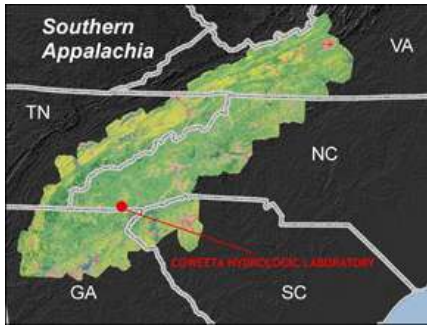


Alluvial Stratigraphic Discriminators of the Anthropocene at the Coweeta LTER



Sediment Texture: *Coarser*, more energetic flood runoff

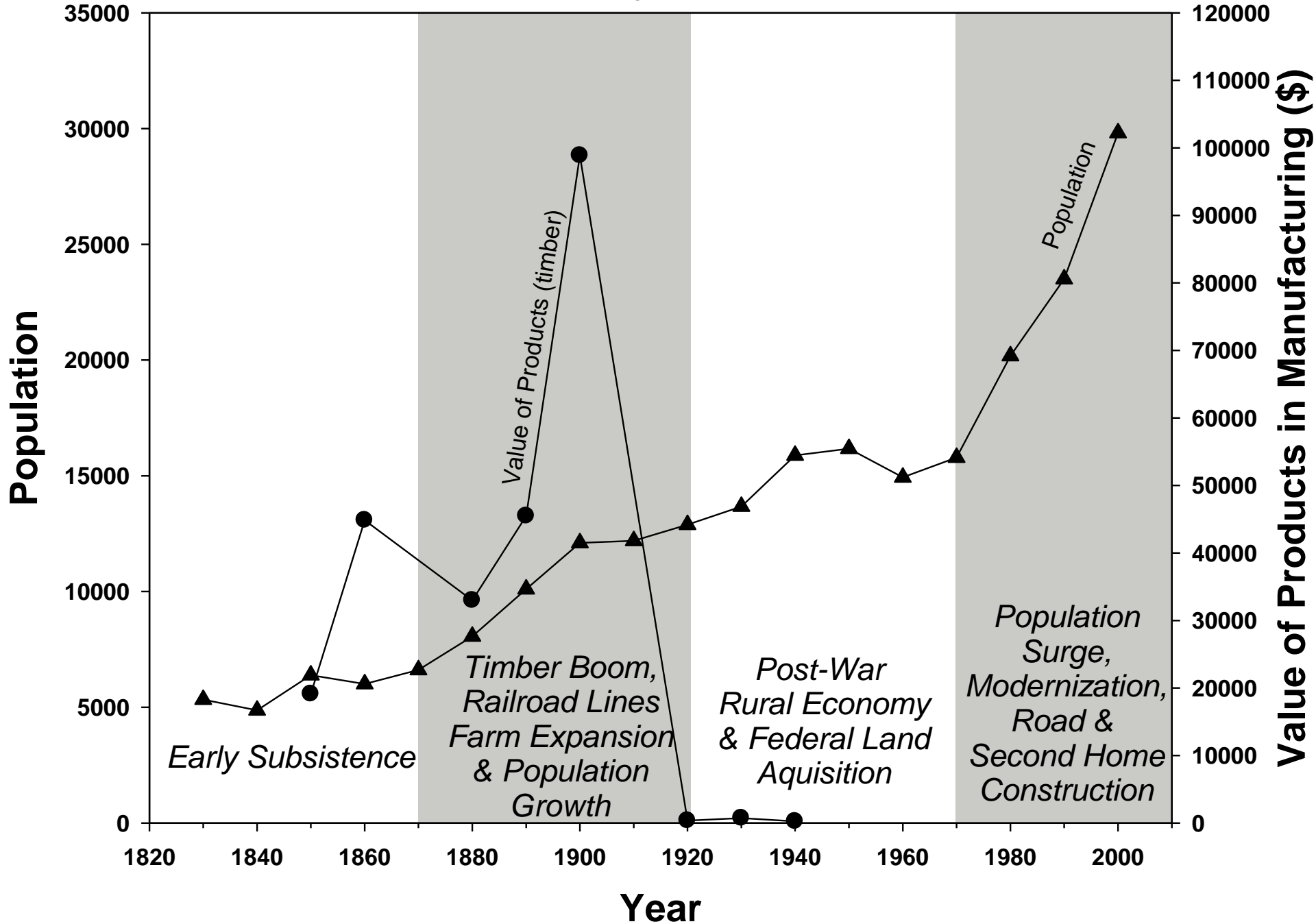
Sediment Color: *Lighter*, less weathered & less organic sediment

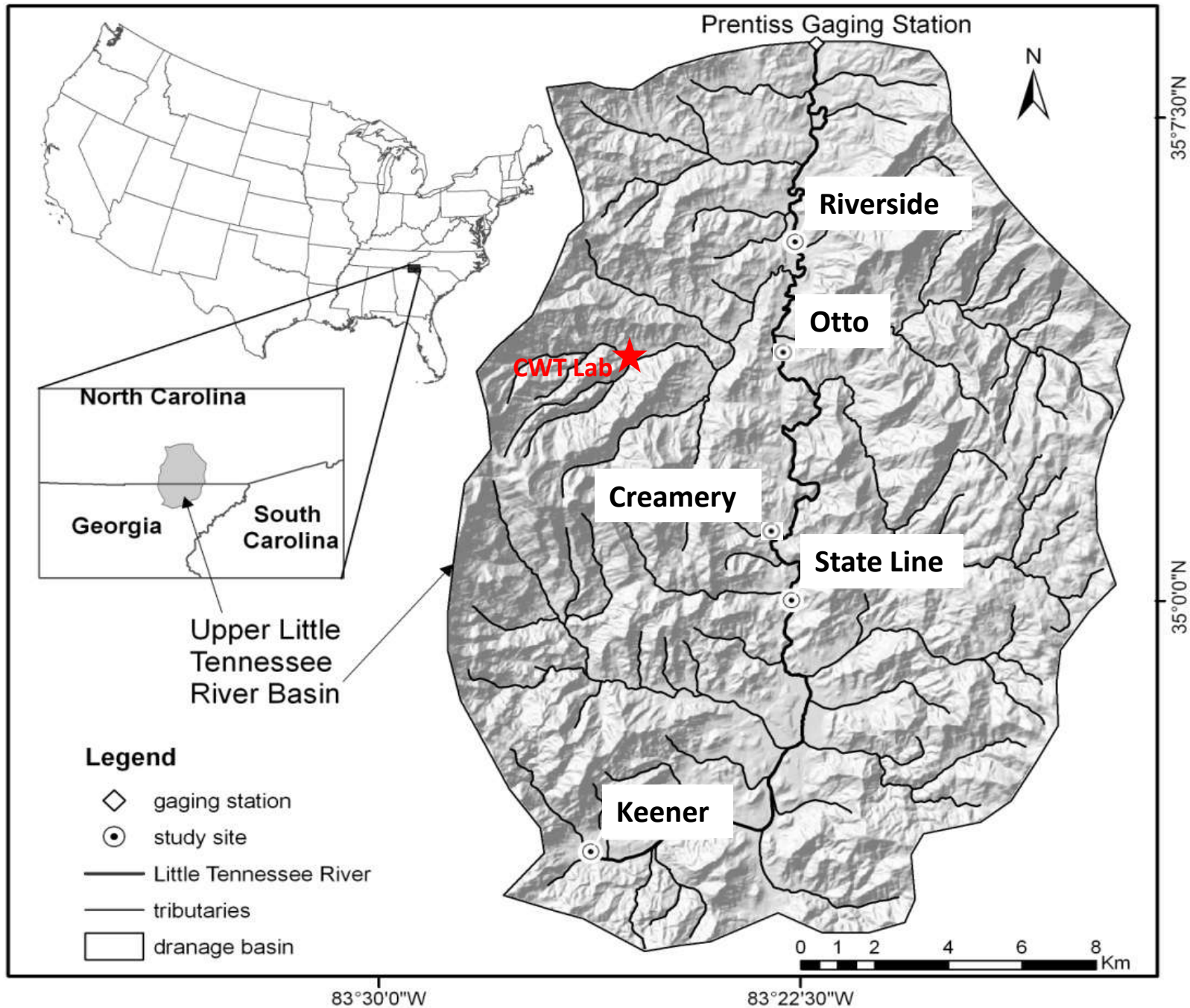
Sedimentation Rates: *Much Faster*

Anthropic Elemental Concentrations: *Higher trace metal and Cs-137 concentrations*

Del 13C: *Spikes to all time maximum*, weedy and invasive non woody plants

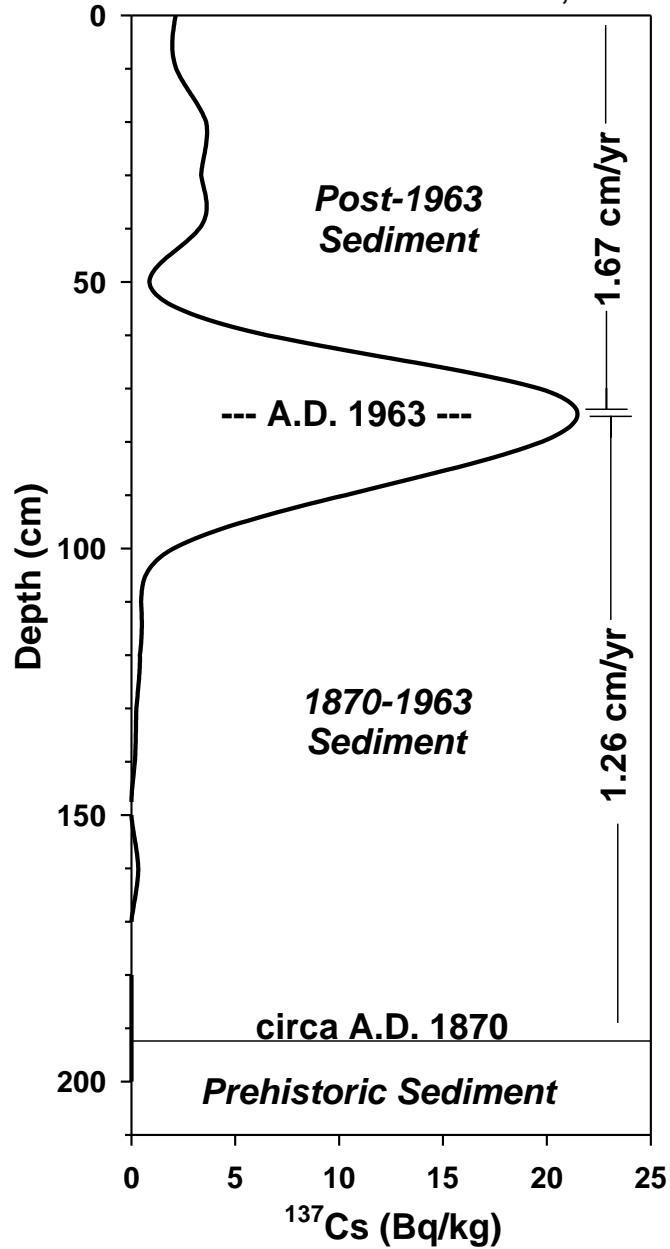
Macon County, North Carolina





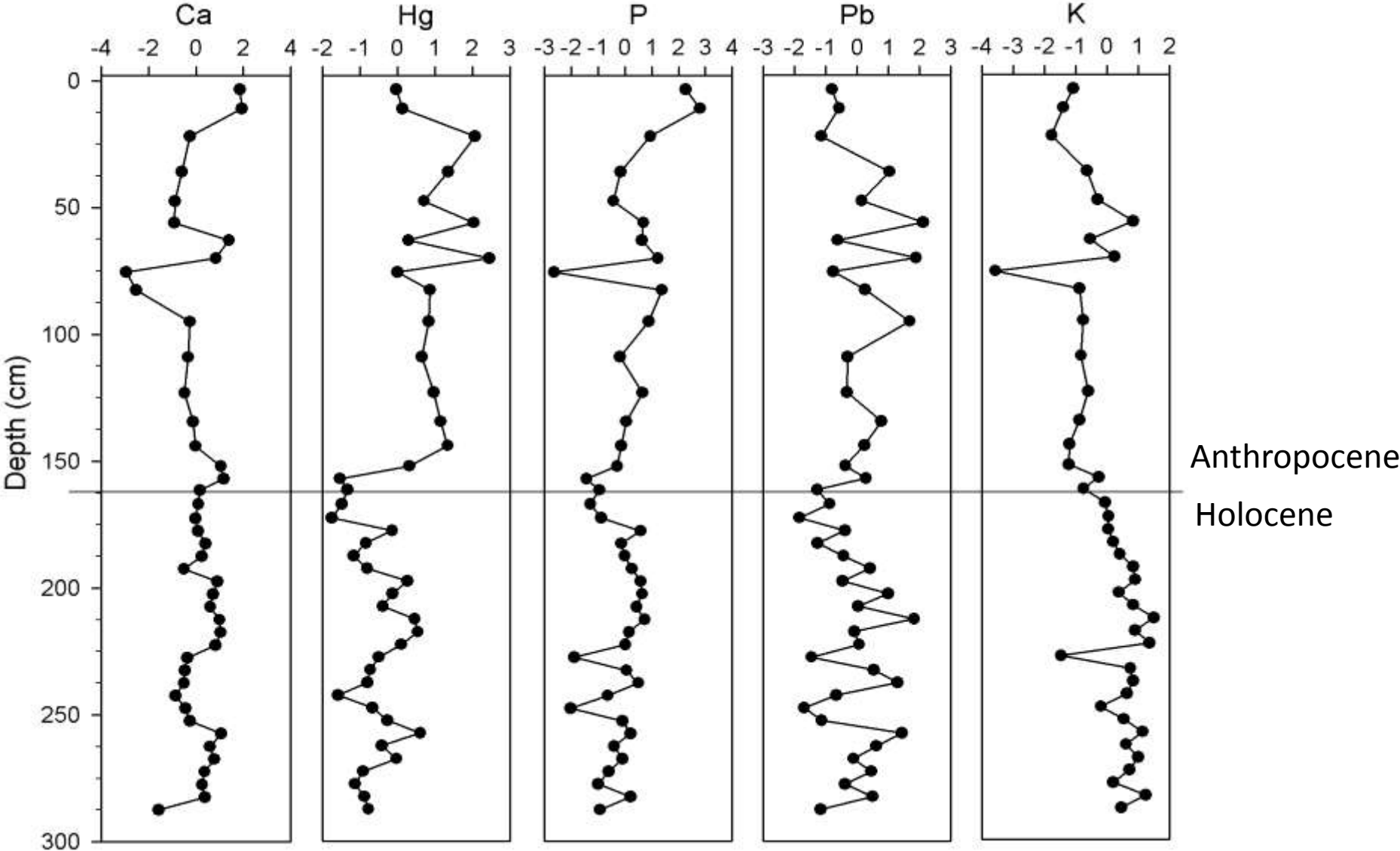


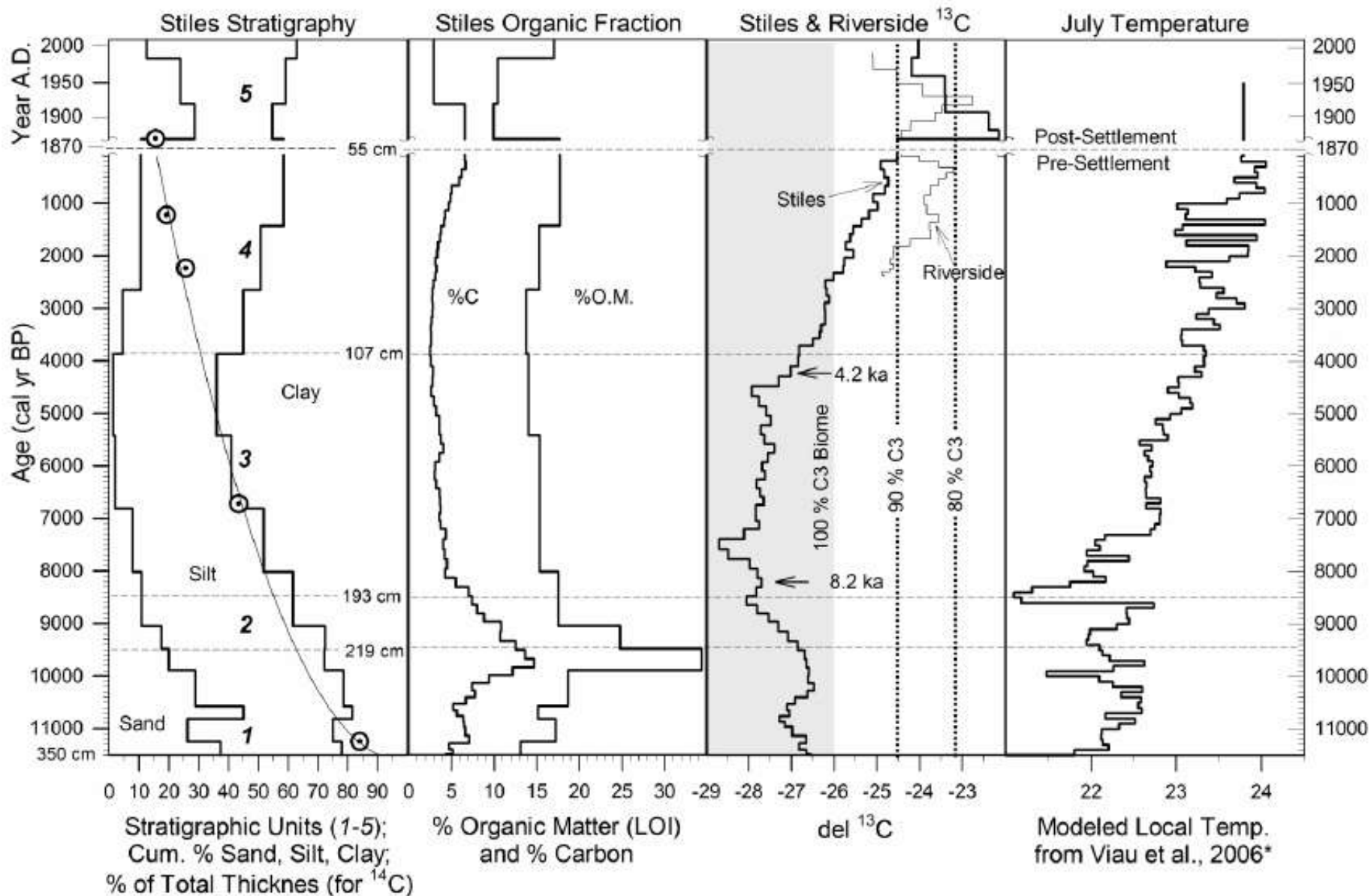
State Line Cutbank Site,
Little Tennessee River, NC



Time interval	Average Overbank Sedimentation Rate(mm/yr)		
	Keener	State Line	Riverside
Before AD 1870	0.46	1.11	0.34
After AD 1870	3.09	11.51	8.63
AD 1870-1964	2.45	8.83	7.96
AD 1964-2009	4.44	17.11	10.00

State Line Site: Anthropogenic Elemental Concentrations (normalized)





What's at your LTER site?