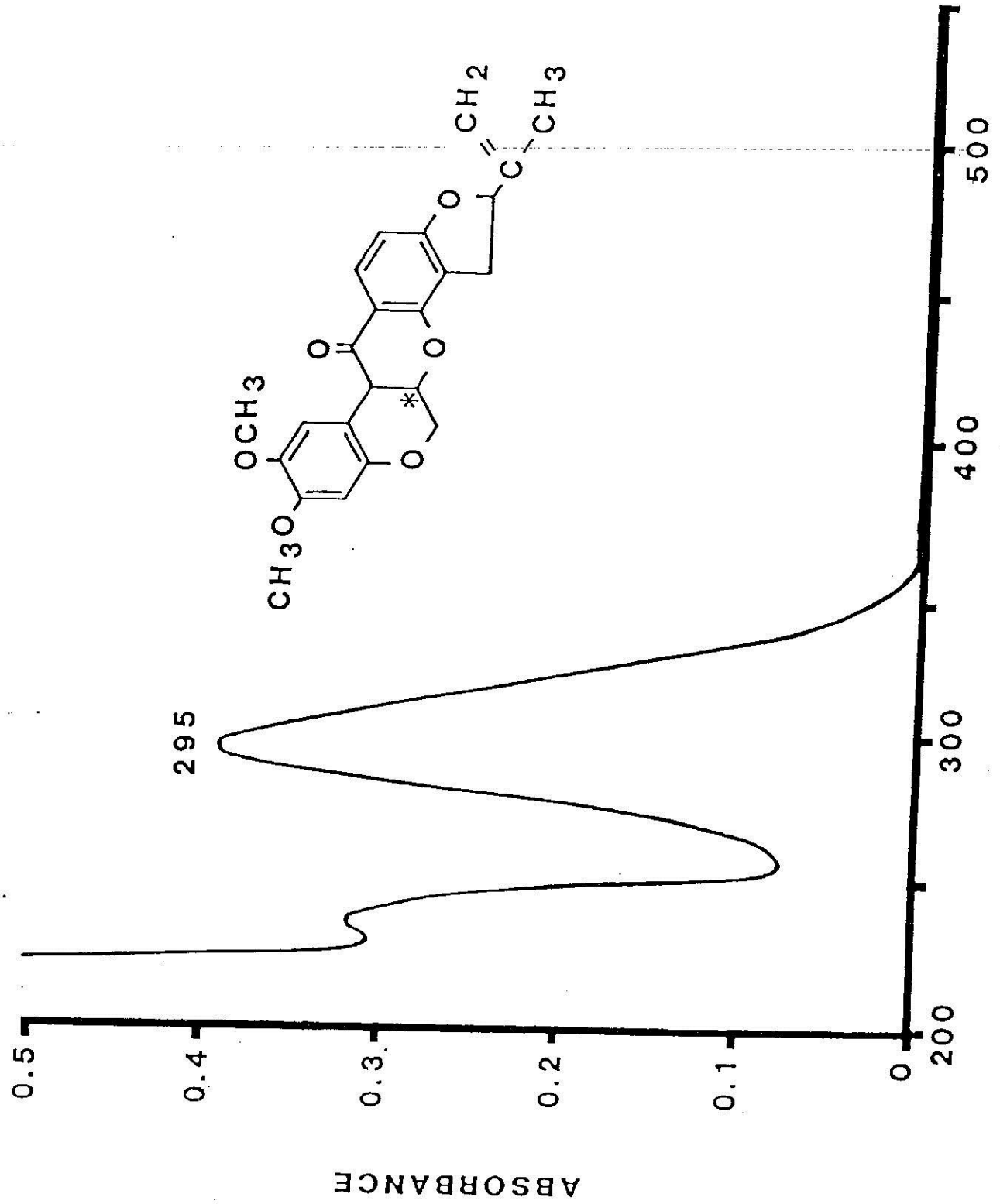

Figure 1. Structure and UV/visible spectrum of rotenone. Asterisk denotes

Table 23. Comparative adsorption and desorption of sterilized and unsterilized sediments at pH 7.

Sediment source	Adsorption (µg/g)		Desorption (%)	
	Unsterile	Sterile	Unsterile	Sterile
Mississippi River (RM 707)	0	0	--	--
Mississippi River (RM 704)	9.21	9.16	2.7	2.9
Arkansas	7.73	7.66	10.4	9.5
Chocolay River	8.69	8.75	2.7	3.2
Ford River	8.37	8.43	21.9	4.4

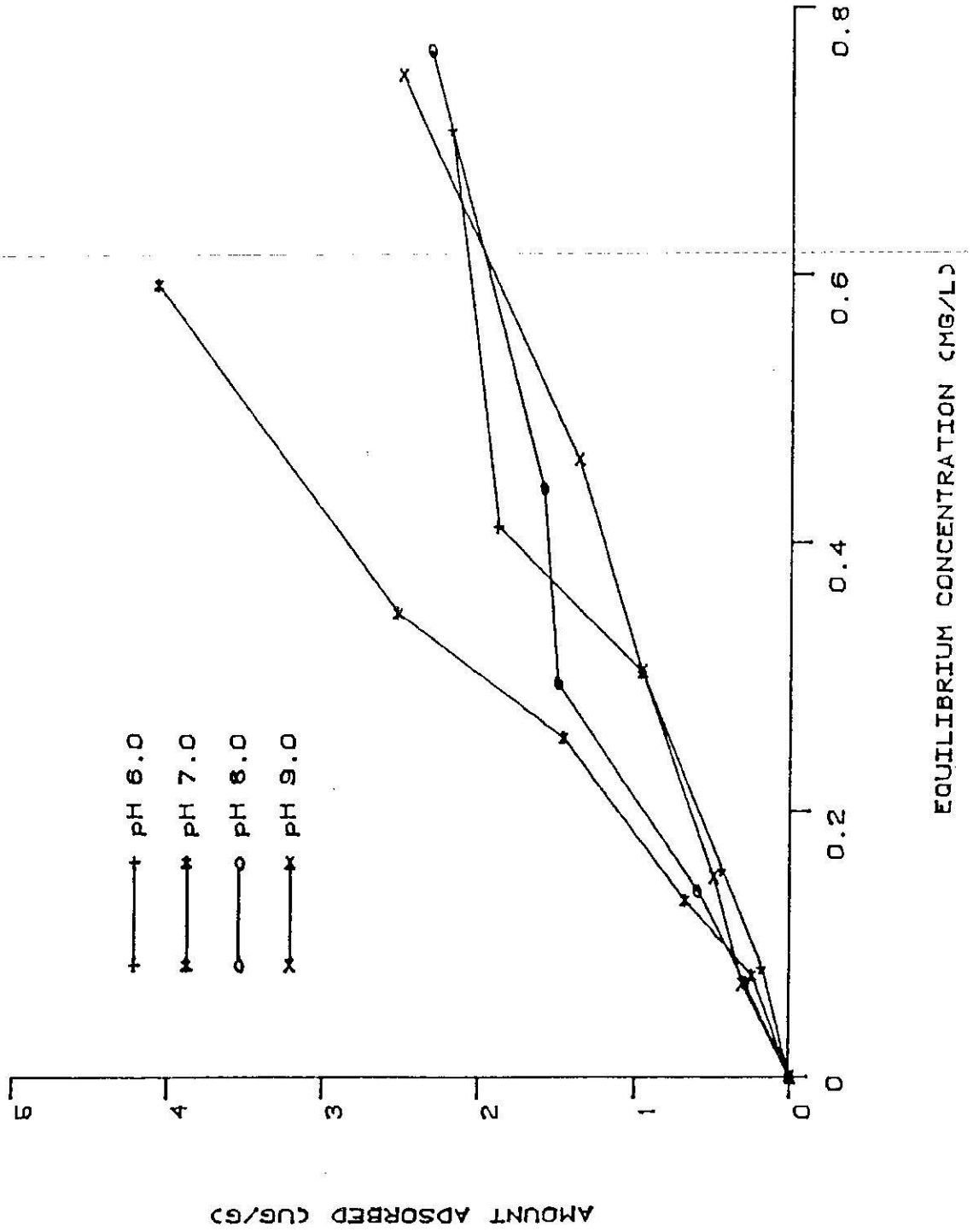

Figure 2. Adsorption equilibria for ^{14}C-rotenone by sediments from the Mississippi River main channel (River mile 707) at 5°C and four pH's.

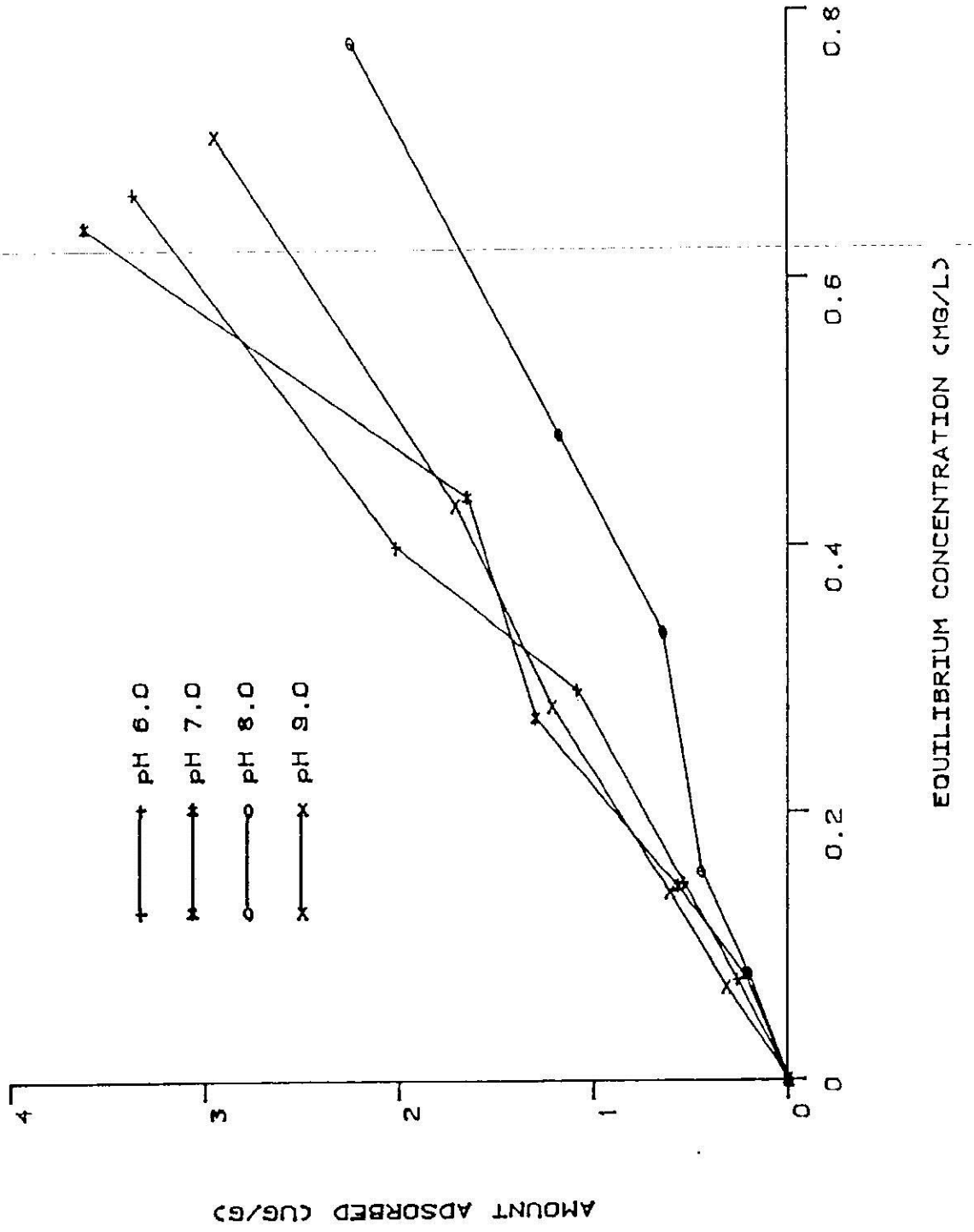

Figure 3. Adsorption equili[illegible] a for 14C-rotenone by sediments fro[illegible]he Mississippi River main channel (River mile 707) at 20°C and four pH's.

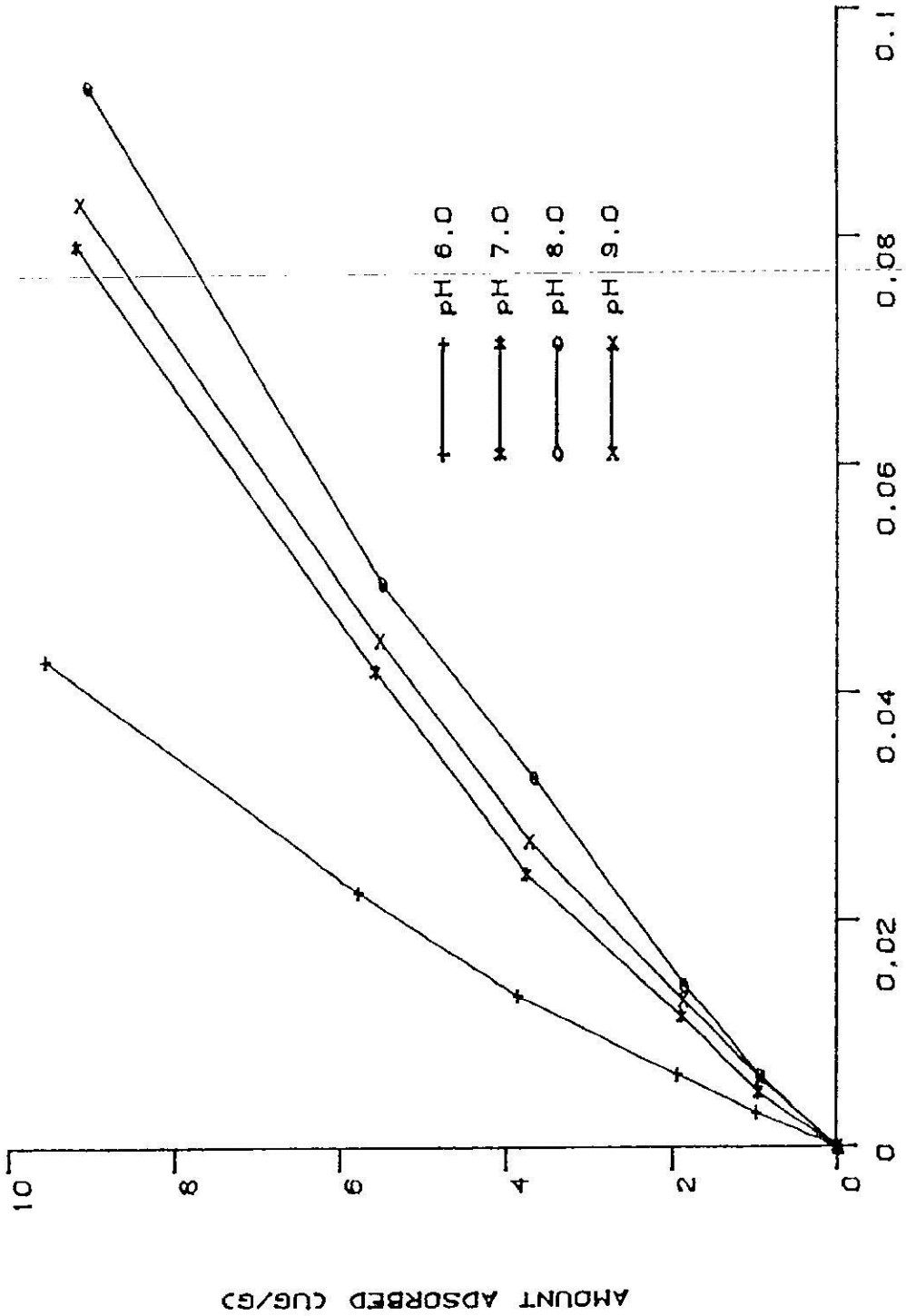

Figure 4. Adsorption equilibria for ^{14}C-rotenone by sediments from the Mississippi River backwater (River mile 704) at 5°C and four pH's.

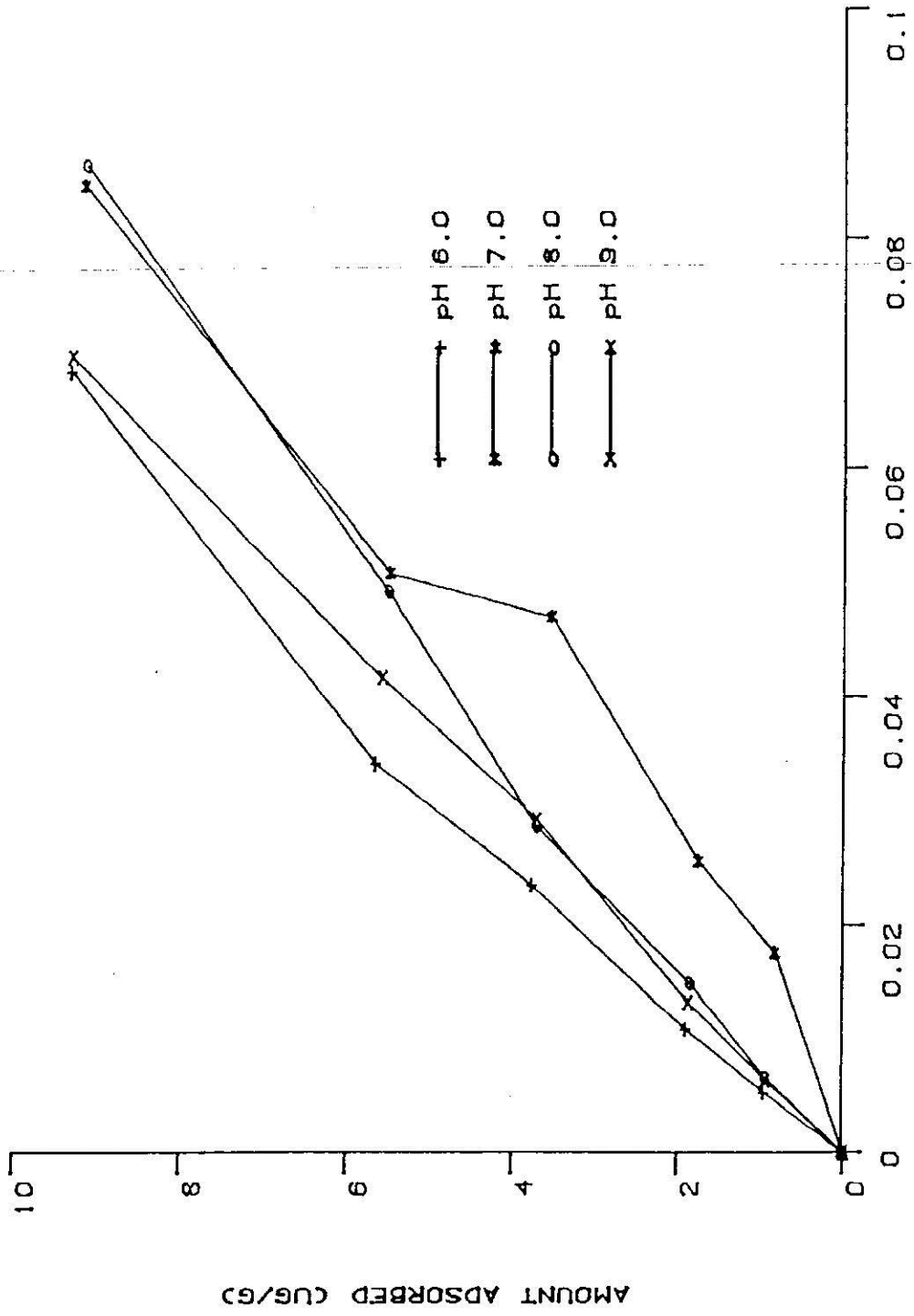

Figure 5. Adsorption equilib) for 14C-rotenone by sediments from ie Mississippi River backwater (River m. 3 704) at 20°C and four pH's.

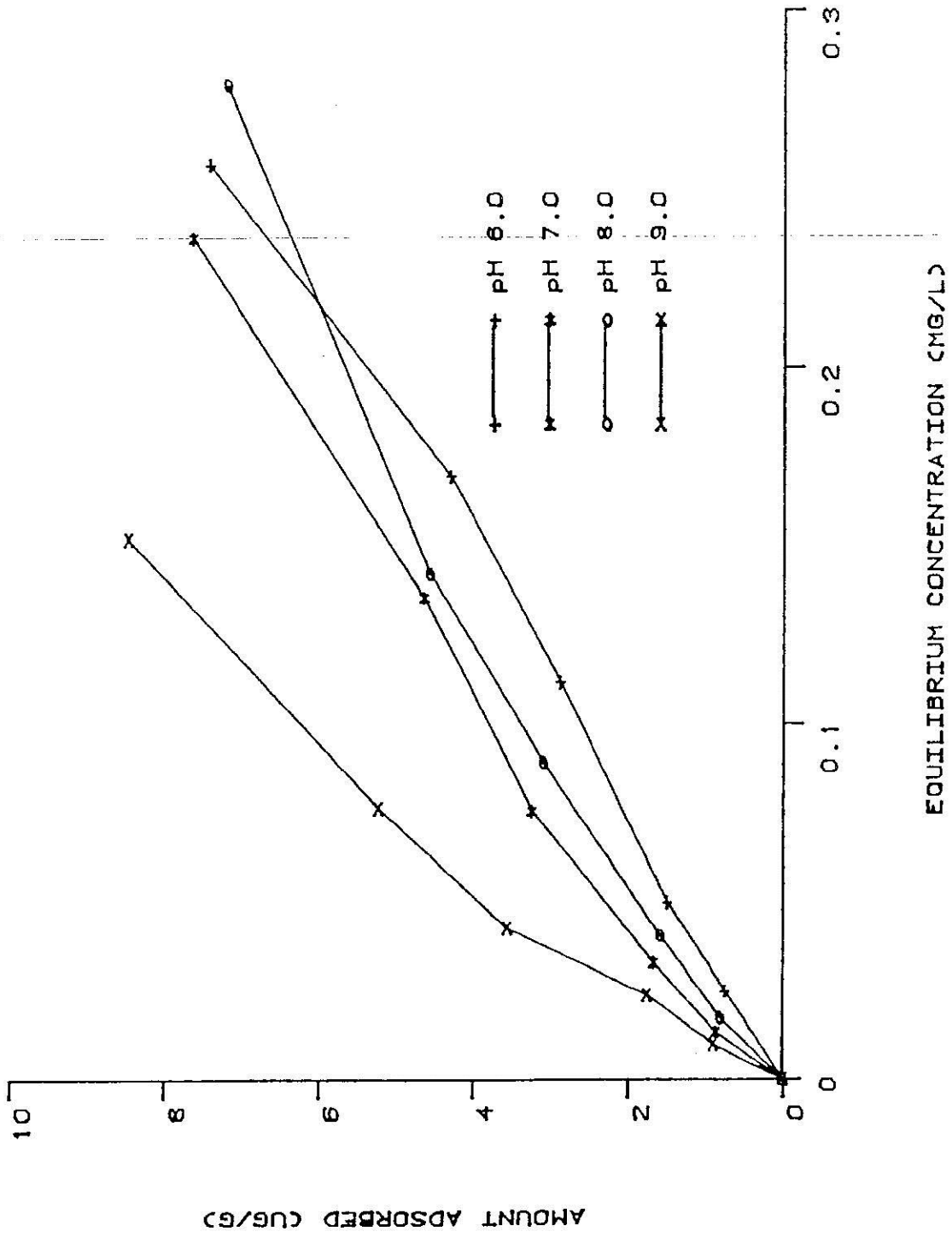

Figure 6. Adsorption equilibria for ^{14}C-rotenone by sediments from the Rice Branch Experiment Station, Arkansas, at 5°C and four pH's.

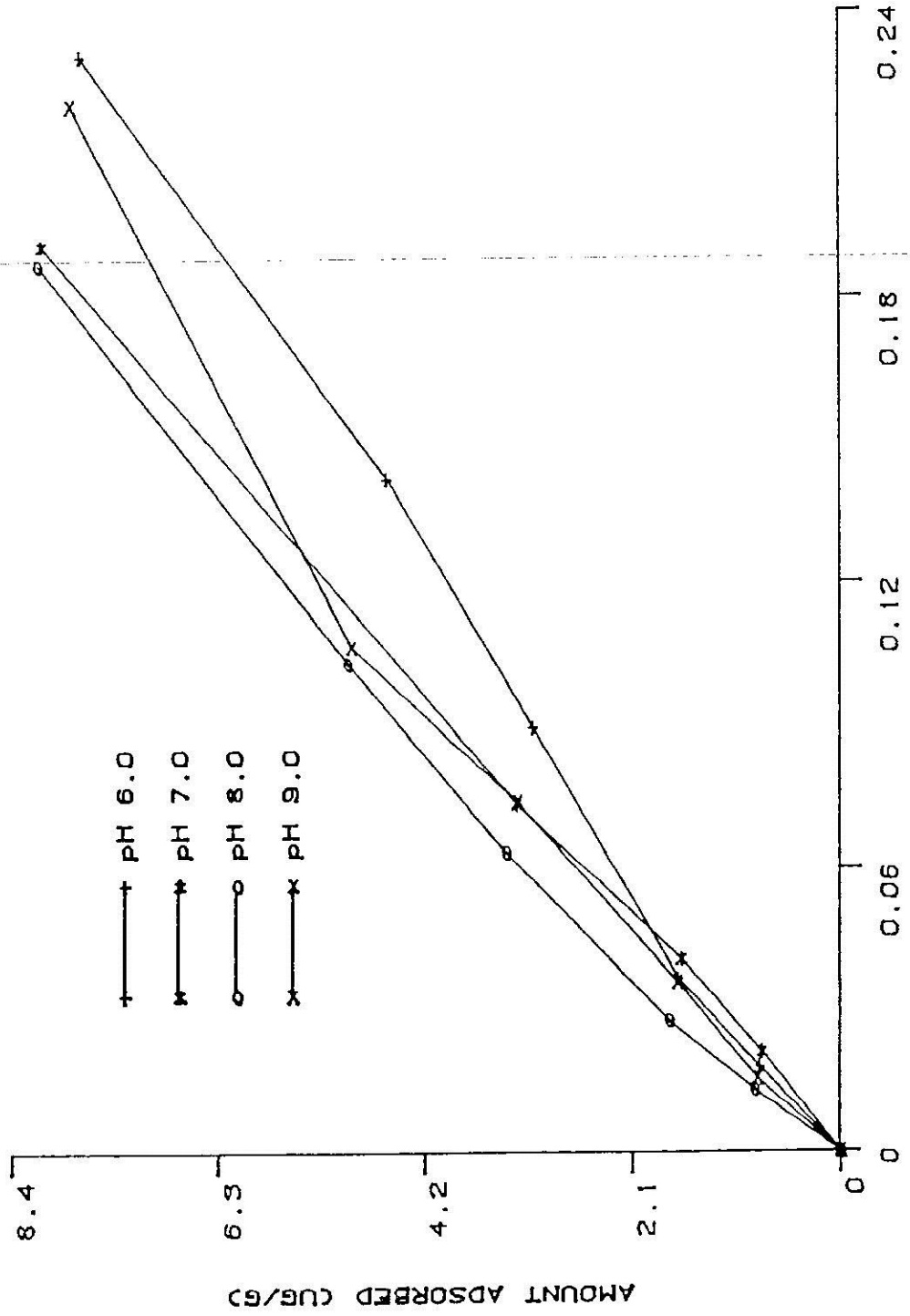

Figure 7. Adsorption equil[illegible]ia for ^{14}C-rotenone by sediments fr[illegible] the Rice Branch Experiment Station, Arkansa[illegible] at 20°C and four pH's.

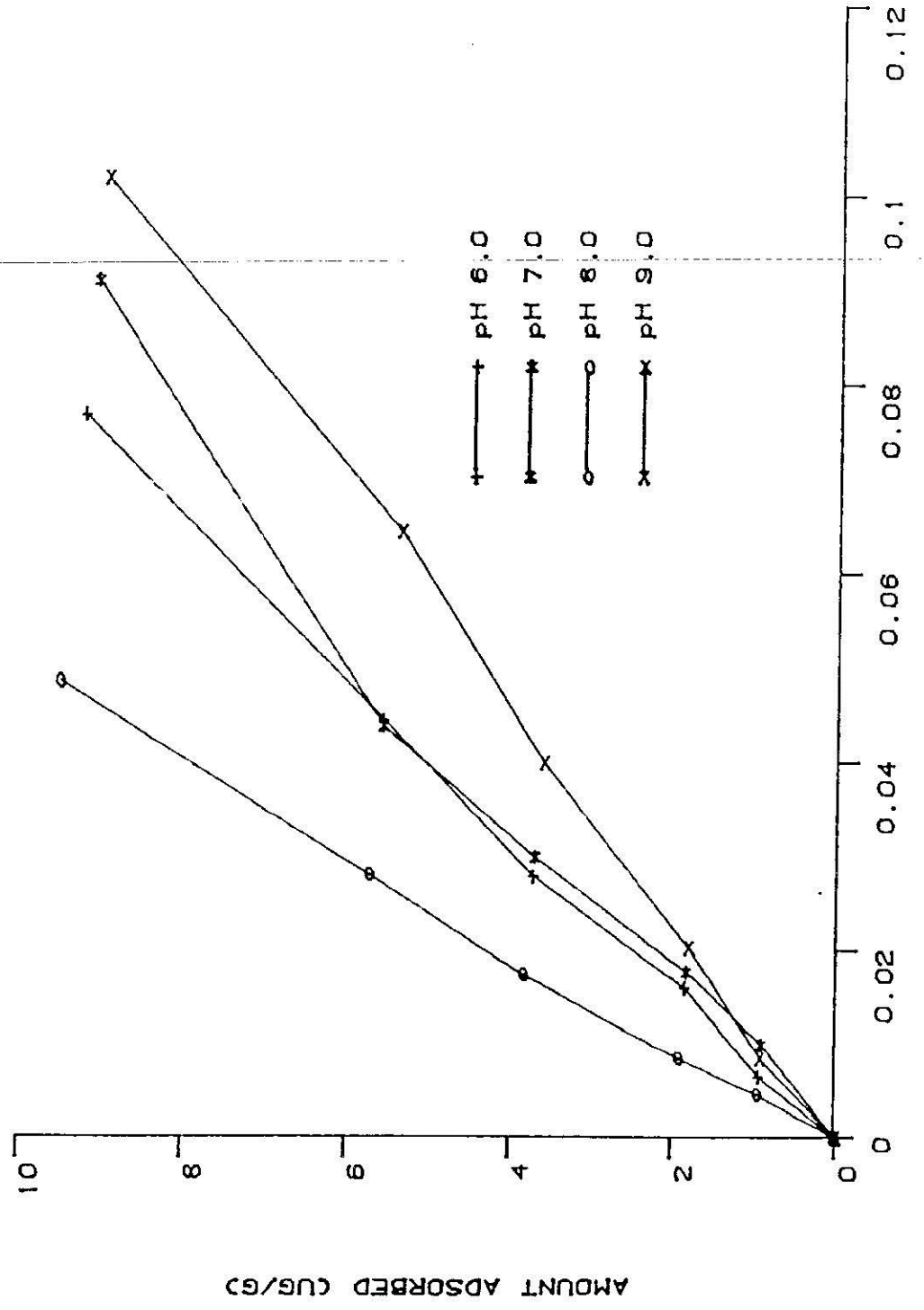

Figure 8. Adsorption equilibria for ^{14}C-rotenone by sediments from the Chocolay River, Michigan, at 5°C and four pH's.

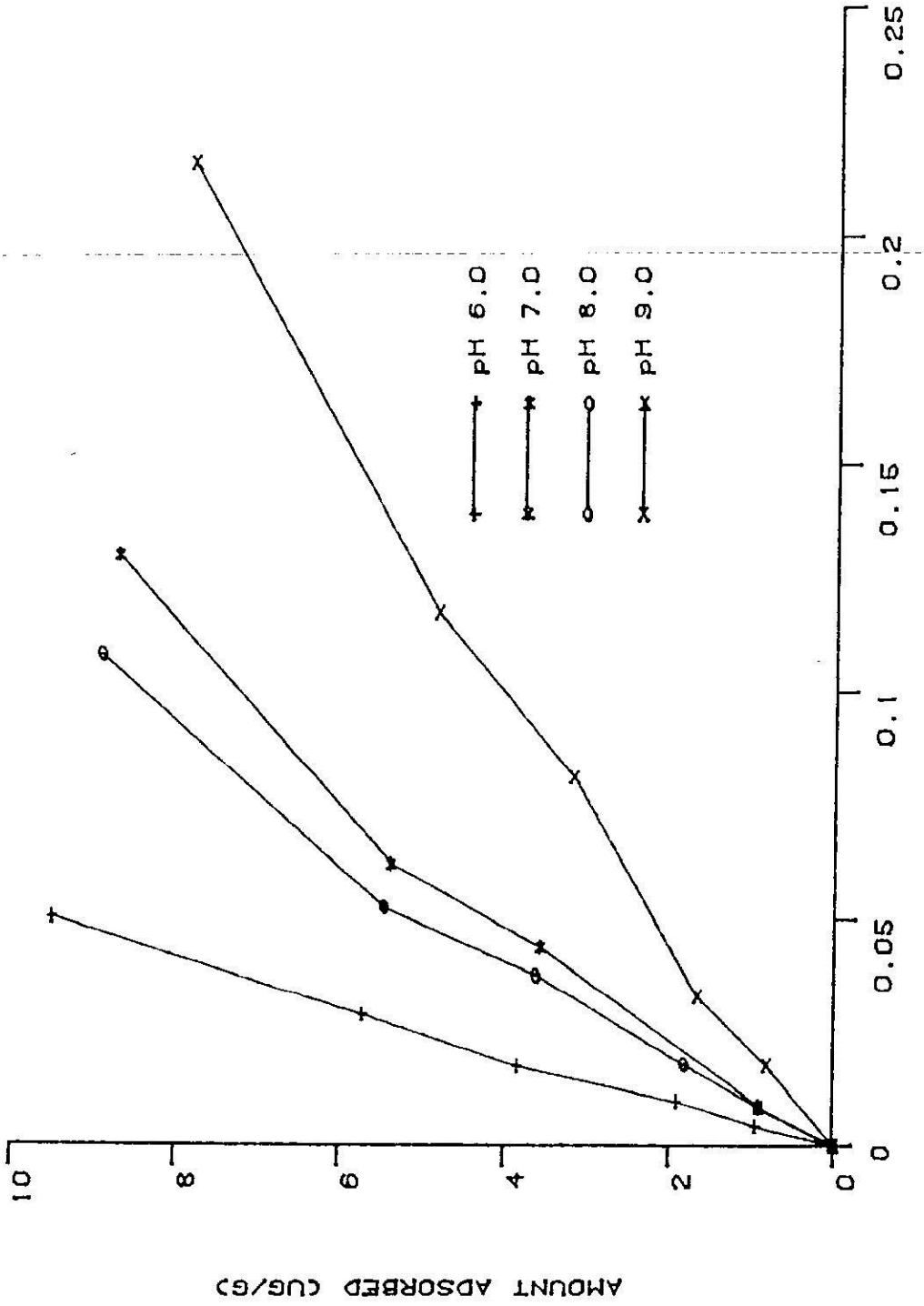

Figure 9. Adsorption equilibria for ^{14}C-rotenone by sediments from the Chocolay River, Michigan, at 20°C, four pH's.

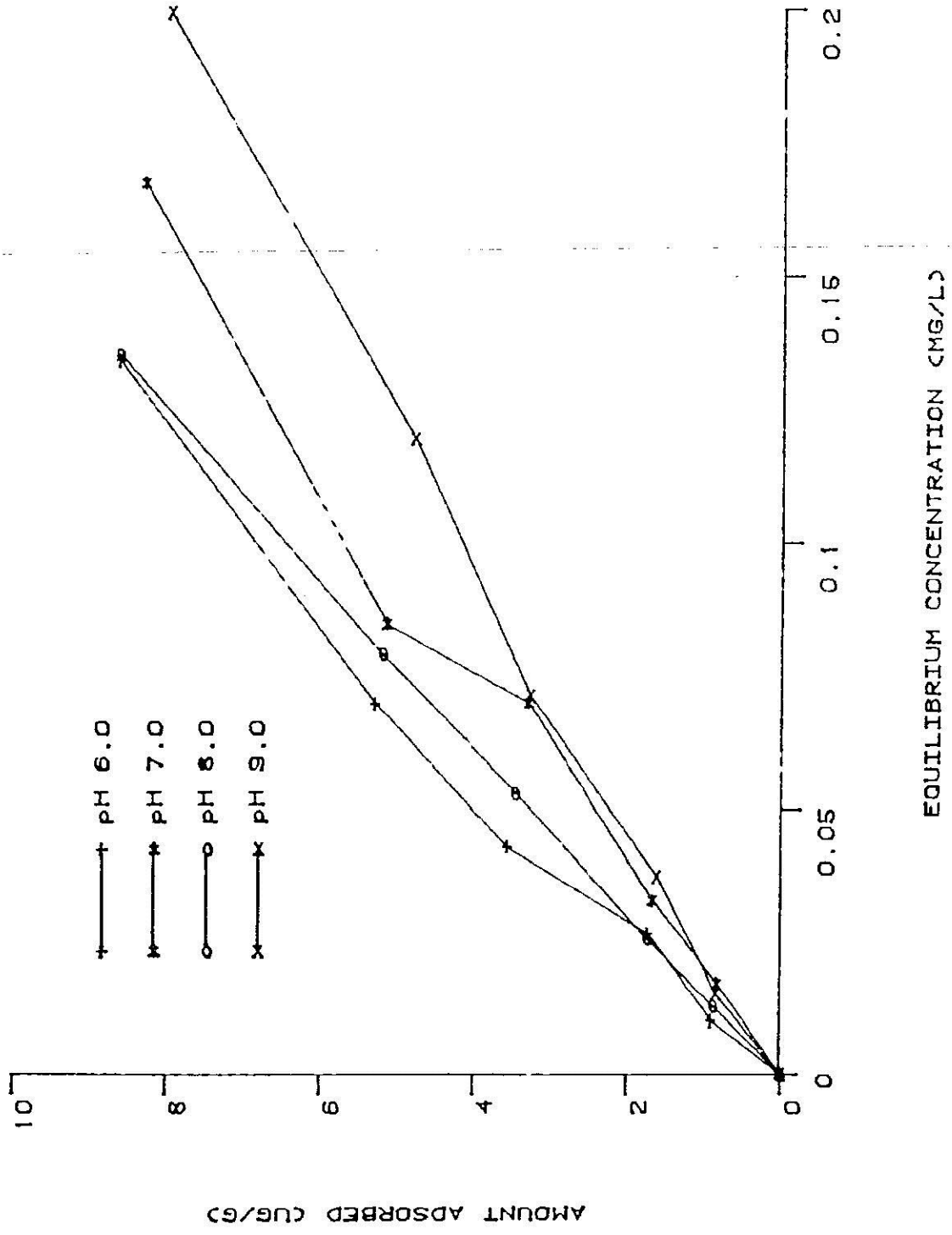

Figure 10. Adsorption equilibria for ^{14}C-rotenone by sediments from the Ford River, Michigan, at 5°C and four pH's.

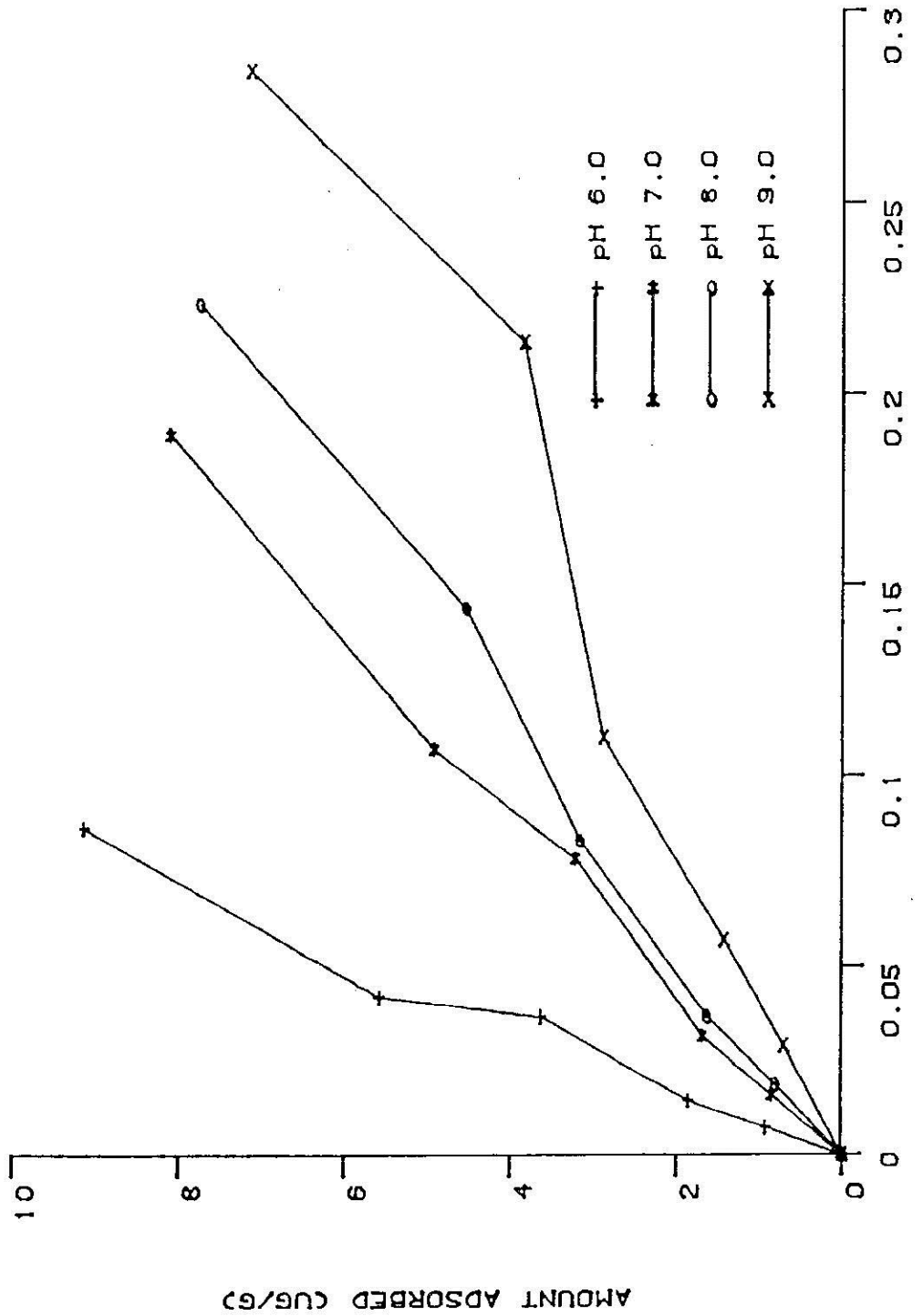

Figure 11. Adsorption equilibria for ^{14}C-rotenone by sediments from the Ford River, Michigan, at 20°C and four pH's.

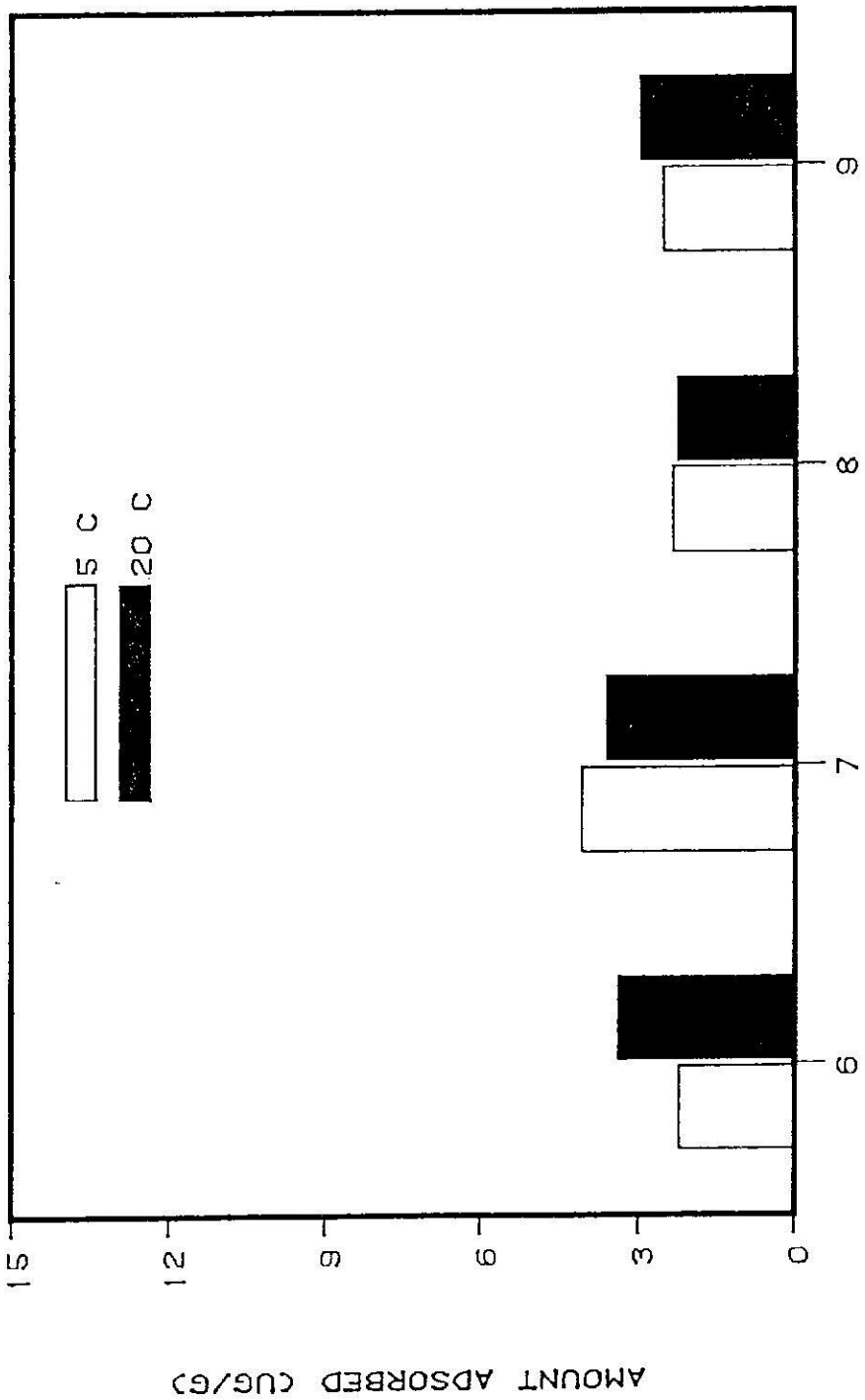

Figure 12. Adsorption of 1 mg/L solutions of ^{14}C-rotenone on Mississippi River main channel (River mile 707) sediments at selected temperatures and pH's.

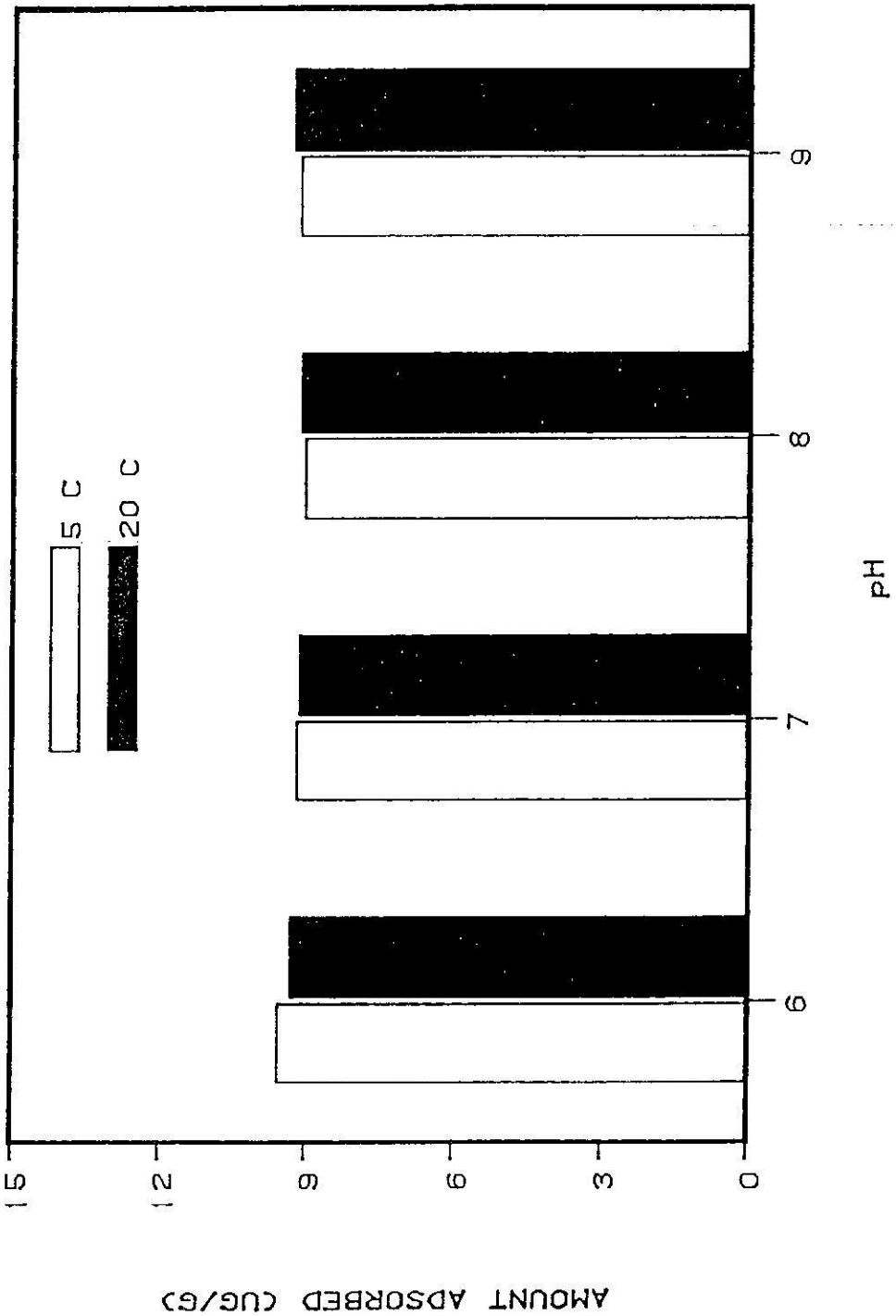

Figure 13. Adsorption of 1 mg/L solutions of ^{14}C-rotenone on Mississippi River backwater (River mile 704) sediments at selected temperatures and pH's.

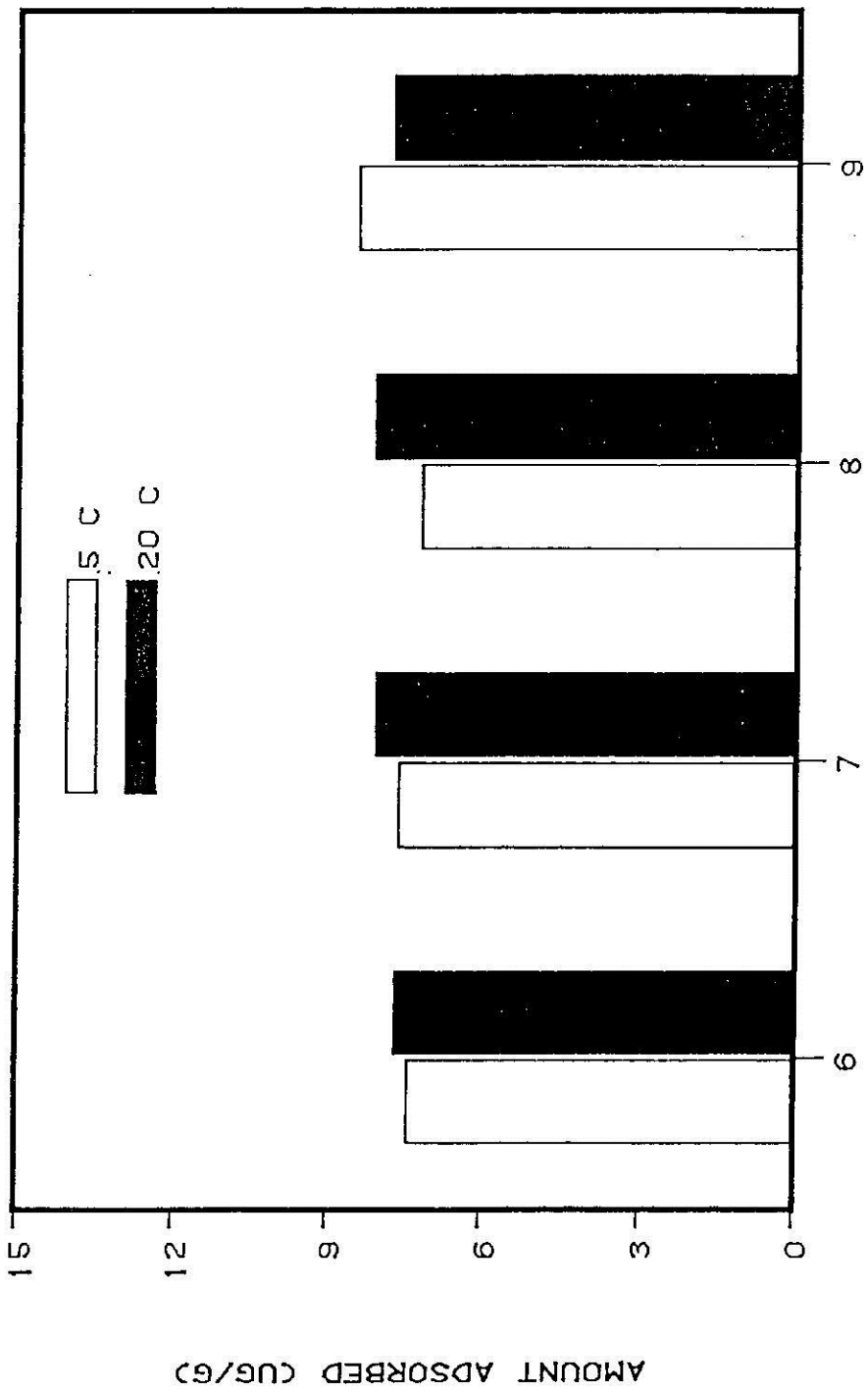

Figure 14. Adsorption of 1 mg/L solutions of ^{14}C-rotenone on Rice Branch Experiment Station, Arkansas, sediments at selected temperatures and pH's.

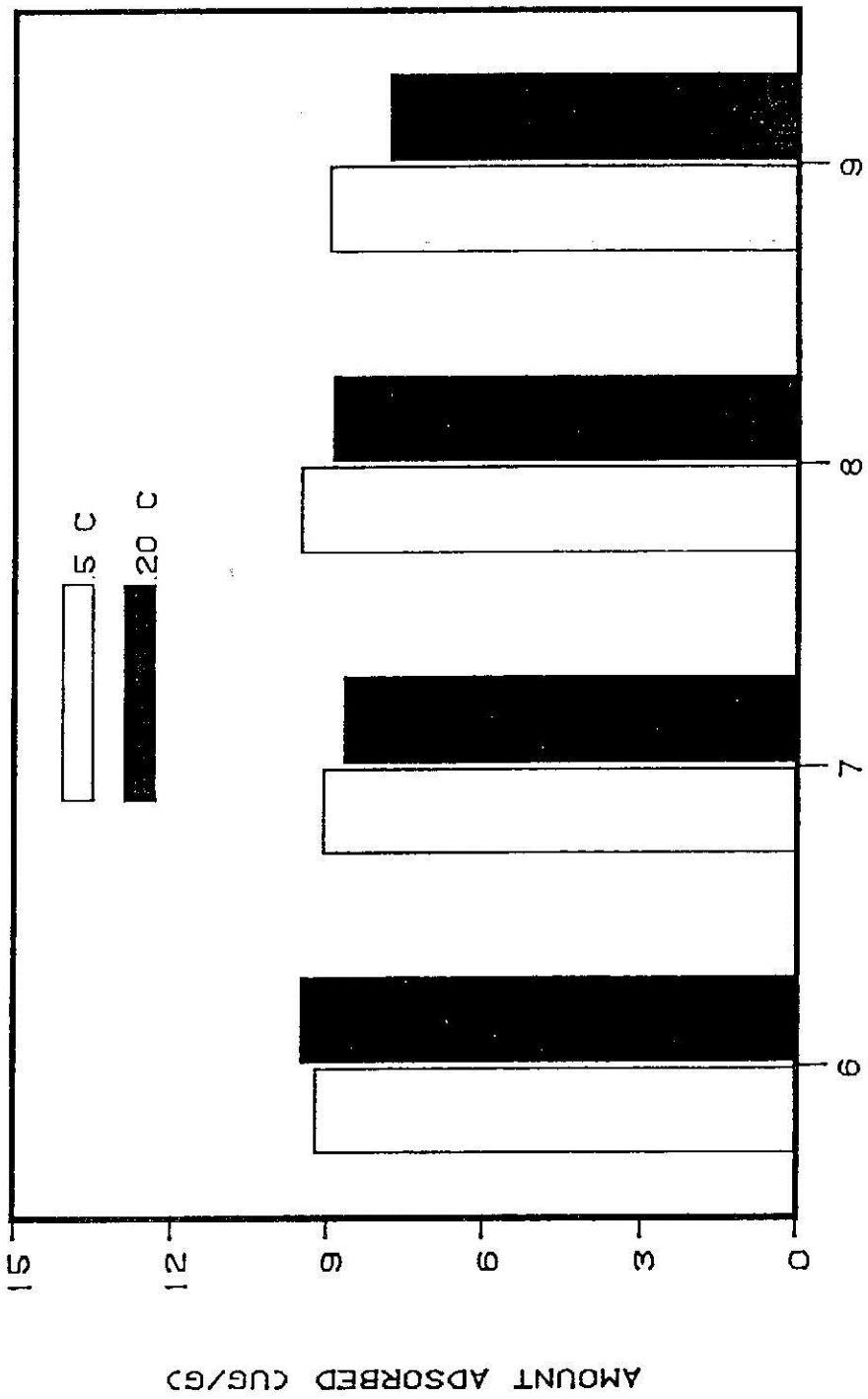

Figure 15. Adsorption of 1 mg/L solutions of ^{14}C-rotenone on Chocolay River, Michigan, sediments at selected temperatures and pH's.

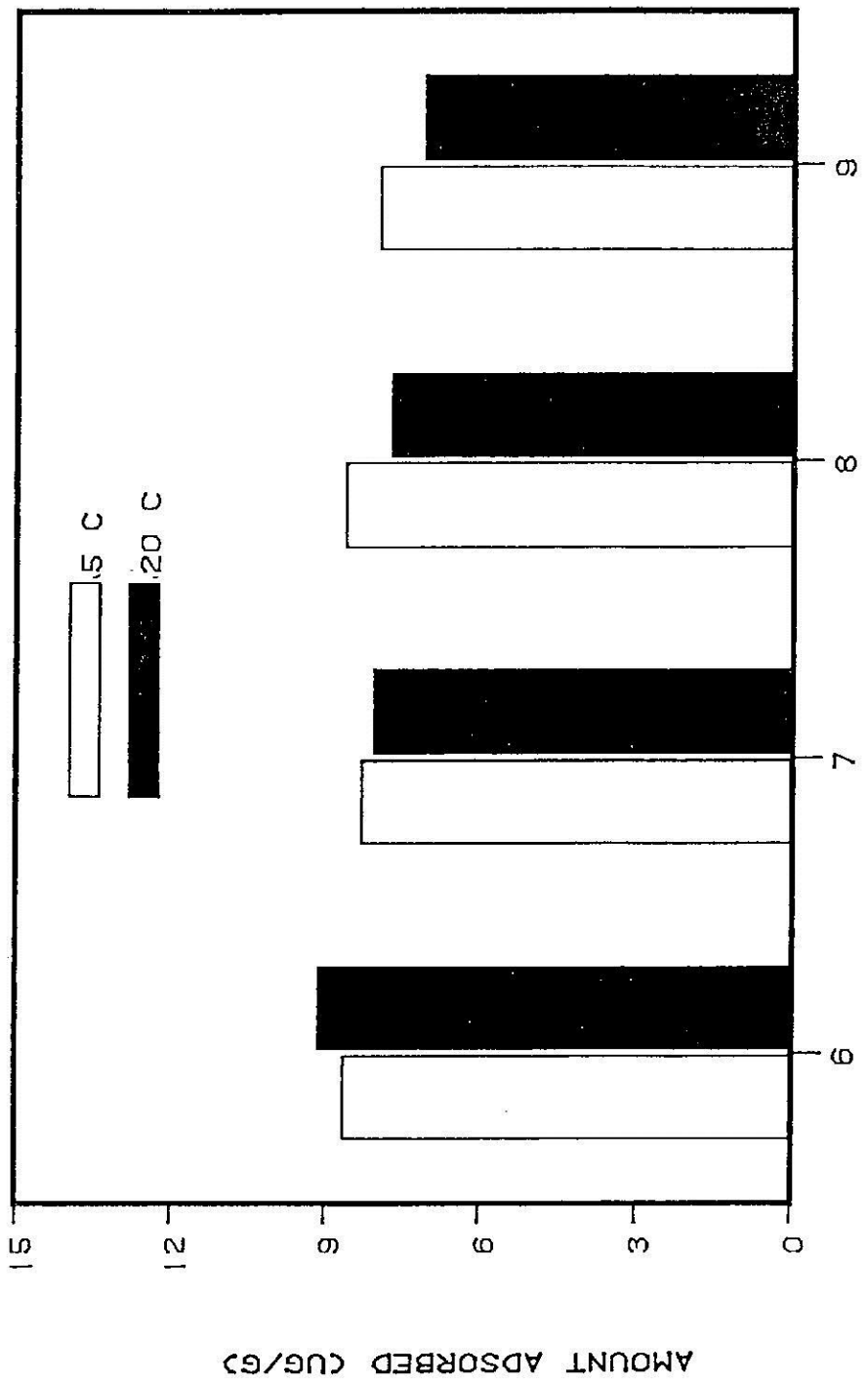

Figure 16. Adsorption of 1 mg/L solutions of ^{14}C-rotenone on Ford River, Michigan, sediments at selected temperatures and pH's.

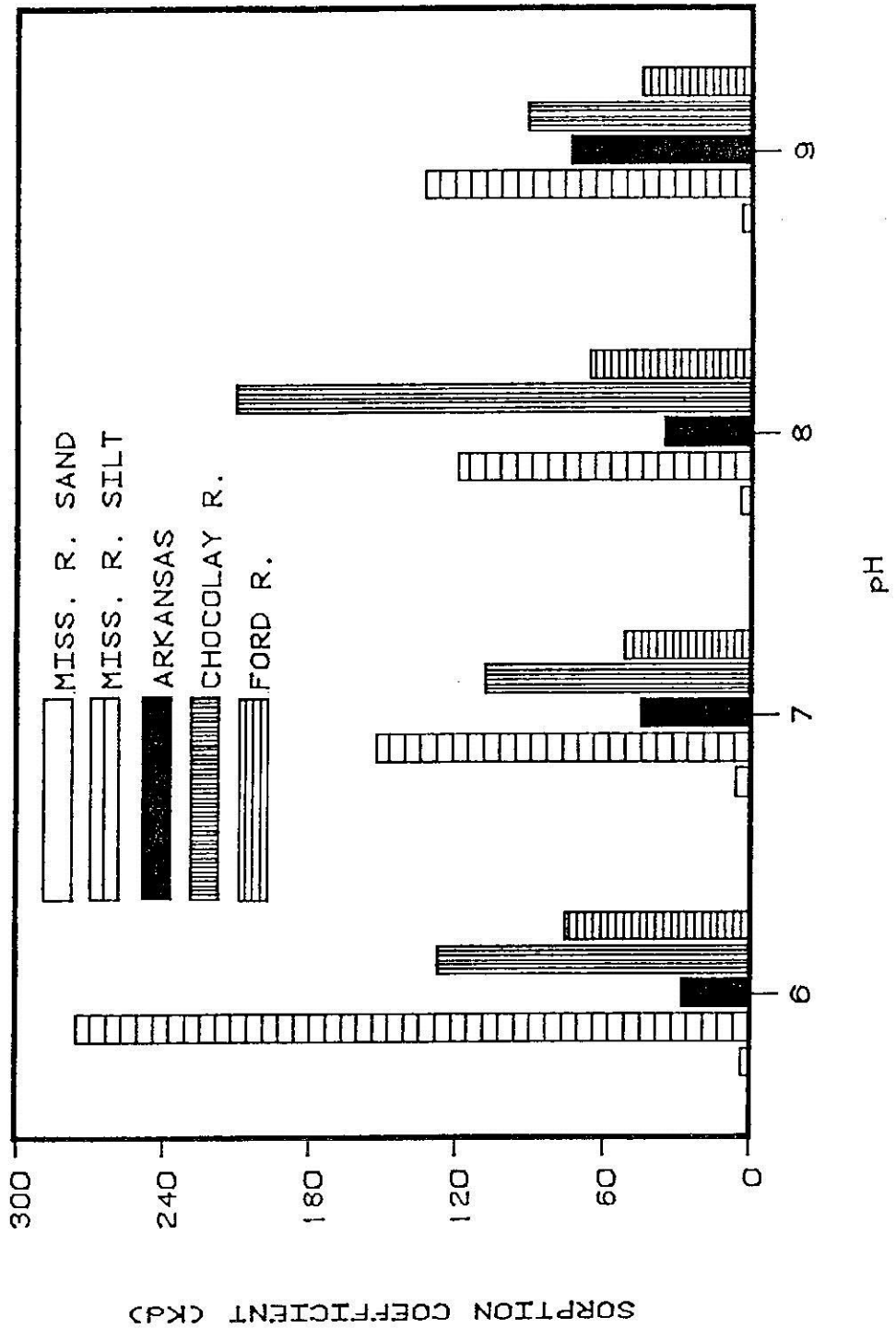

Figure 17. Sorption coefficients (K_d) for ^{14}C-rotenone by five different sediments at four pH's and 5°C.

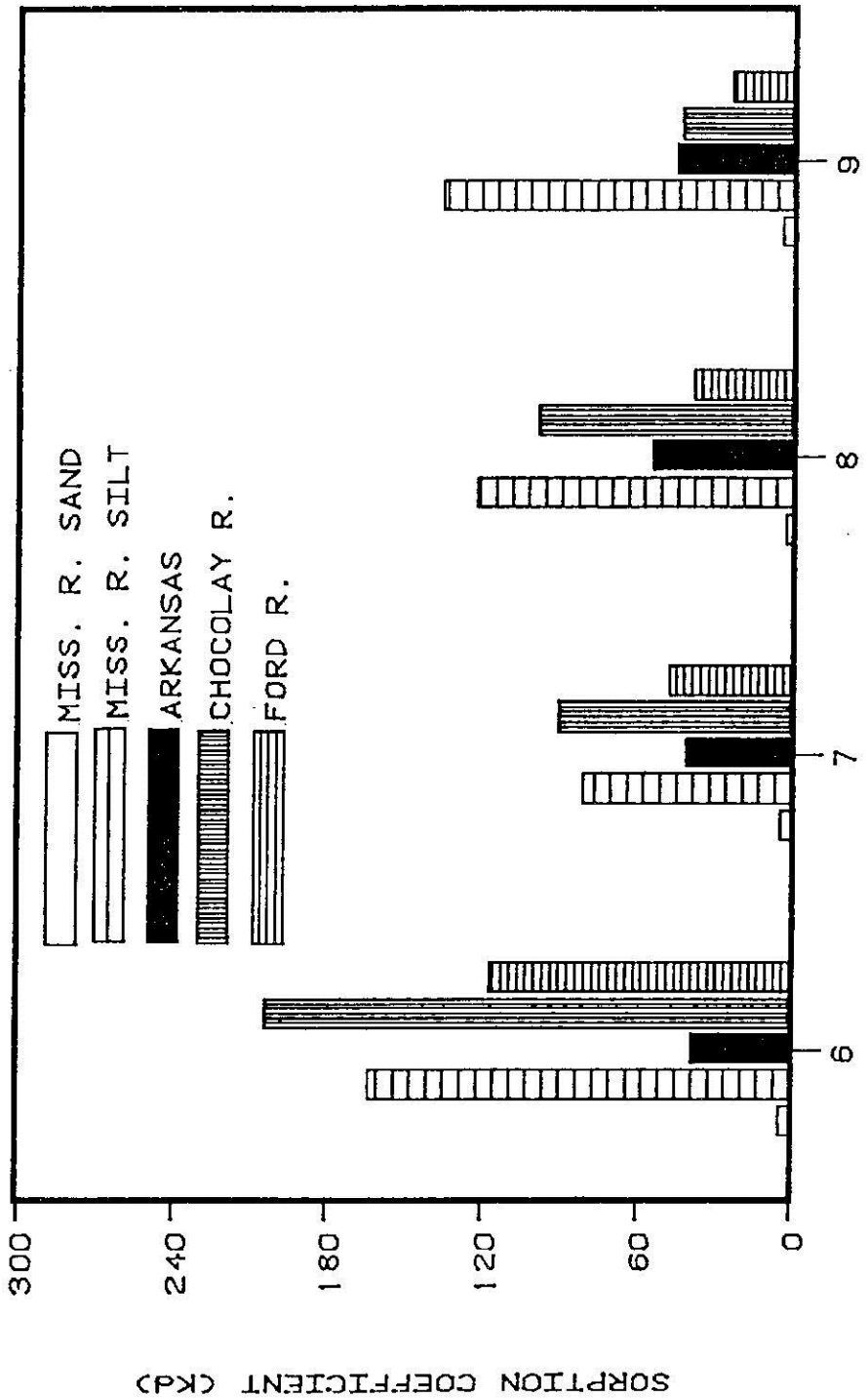

Figure 18. Sorption coefficients (K_d) for ^{14}C-rotenone by five different sediments at four pH's and 20°C.

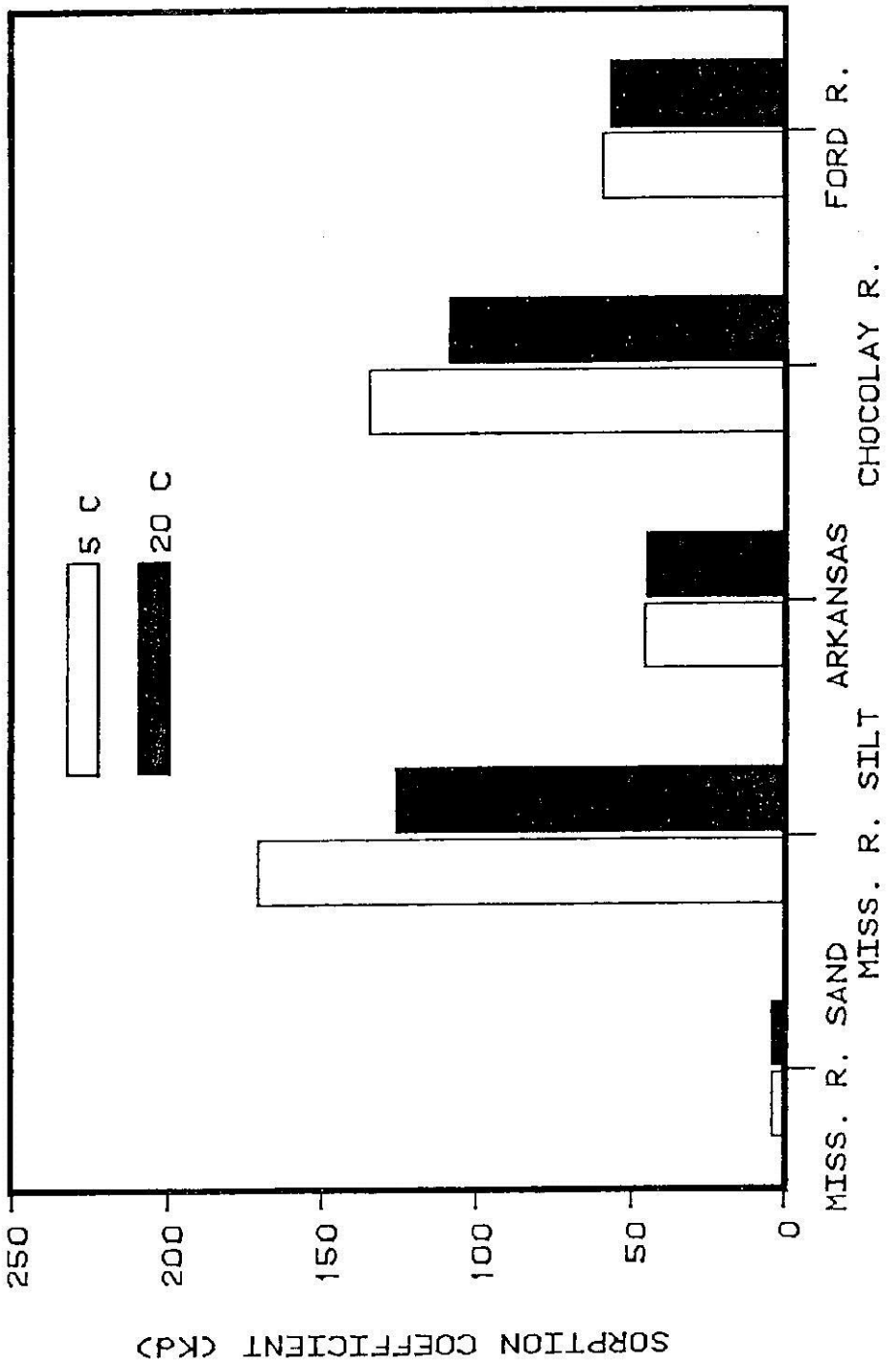

Figure 19. Sorption coefficients (K_d) for ^{14}C-rotenone on bottom sediments at two temperatures.

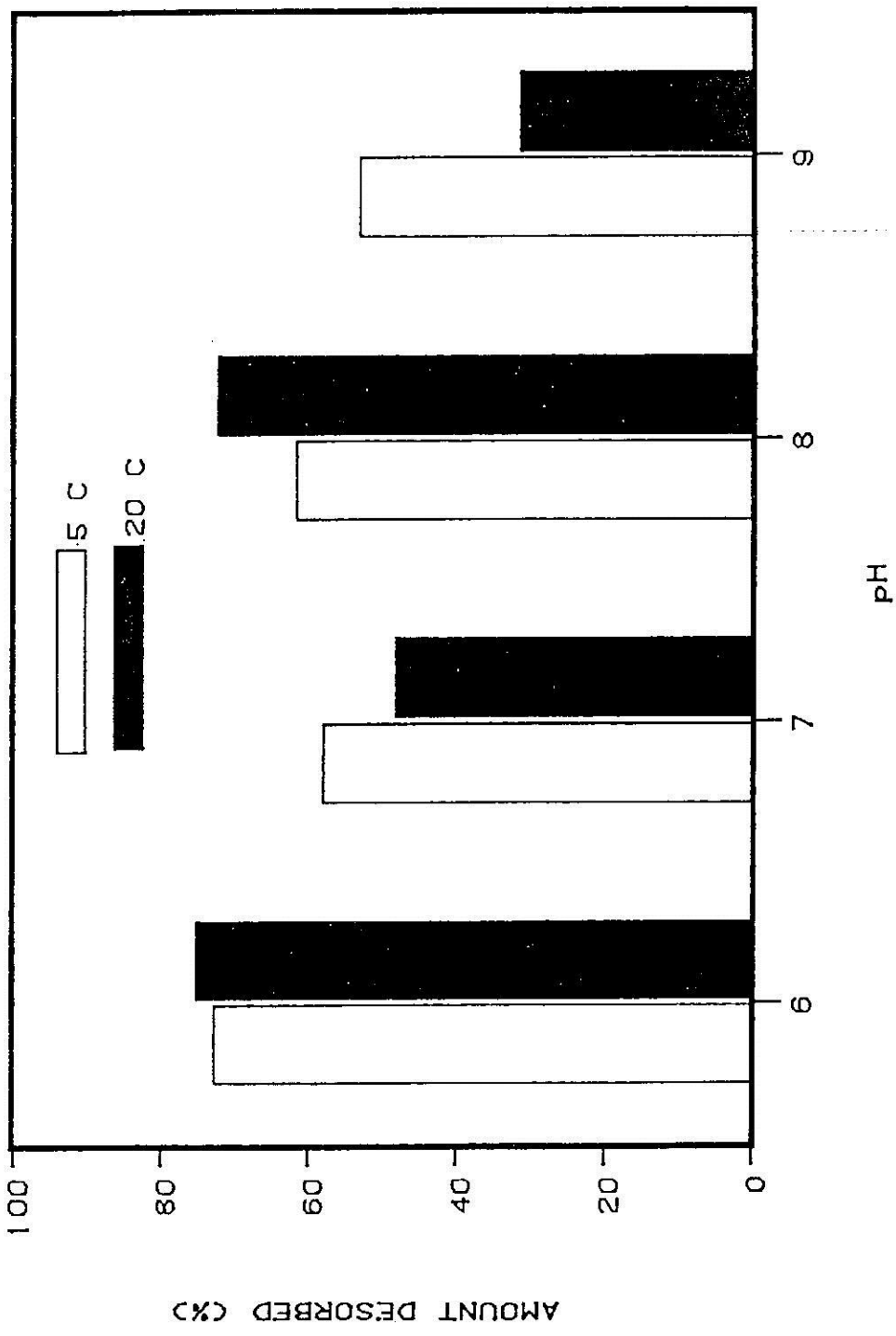

Figure 20. Desorption (%) of ¹⁴C-rotenone from Mississipp' River main channel (River mile 707) sediment at selected temperatures and pH's.

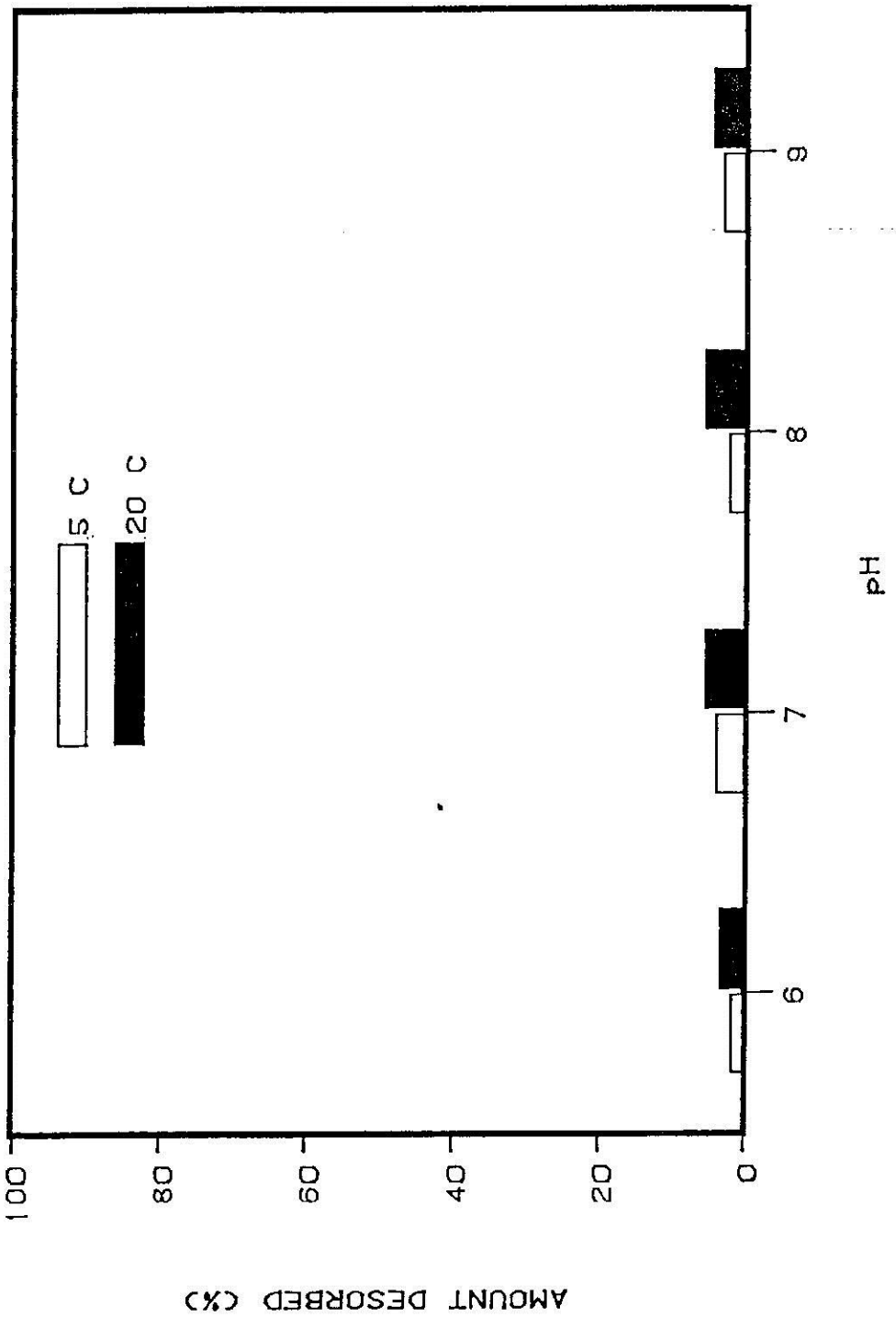

Figure 21. Desorption (%) of of adsorbed ^{14}C-rotenone from Mississippi River backwater (River mile 704) sediments at selected temperatures and pH's.

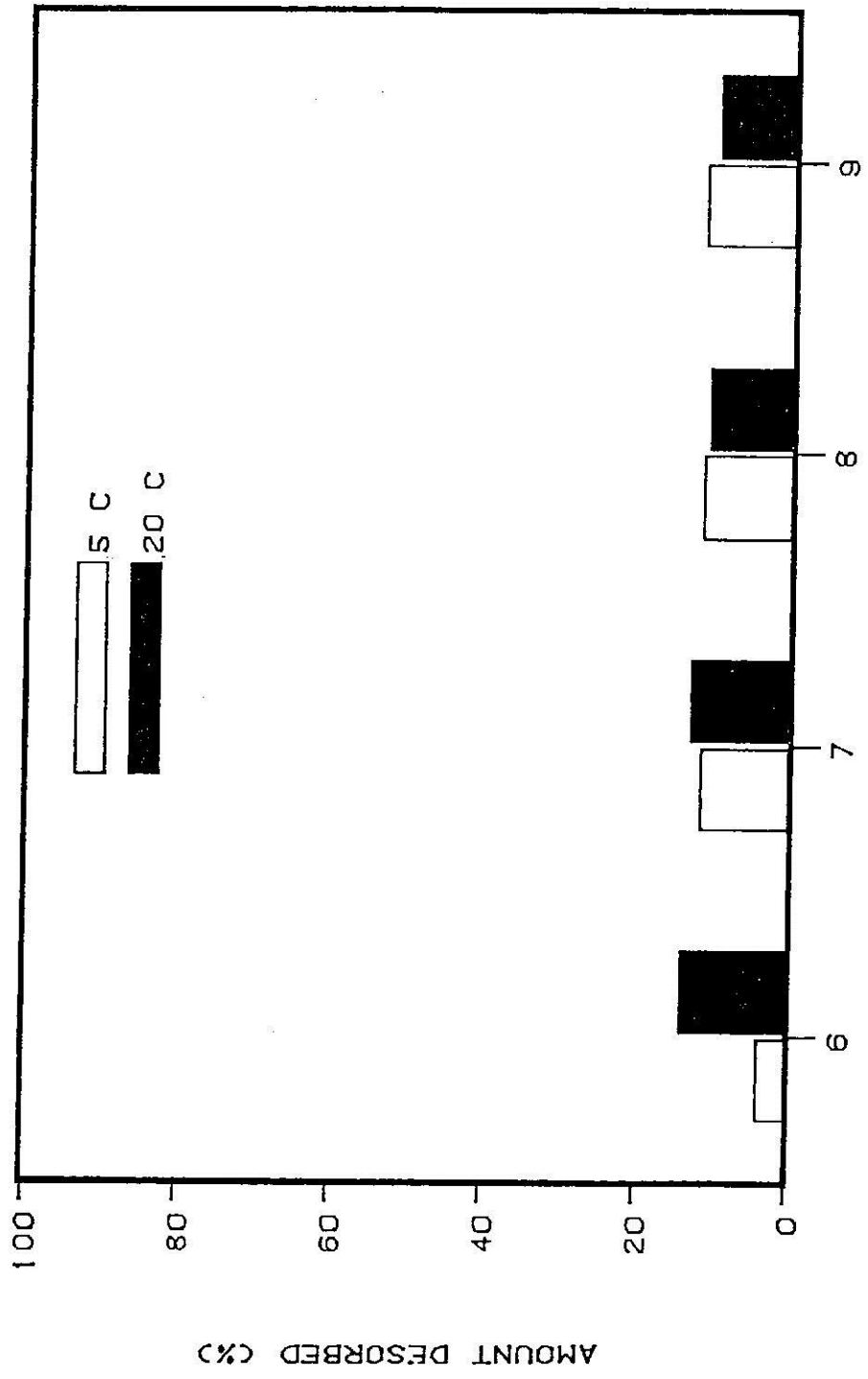

Figure 22. Desorption (%) of adsorbed ^{14}C-rotenone from Rice Branch Experiment Station, Arkansas, sediments at selected temperatures and pH's.

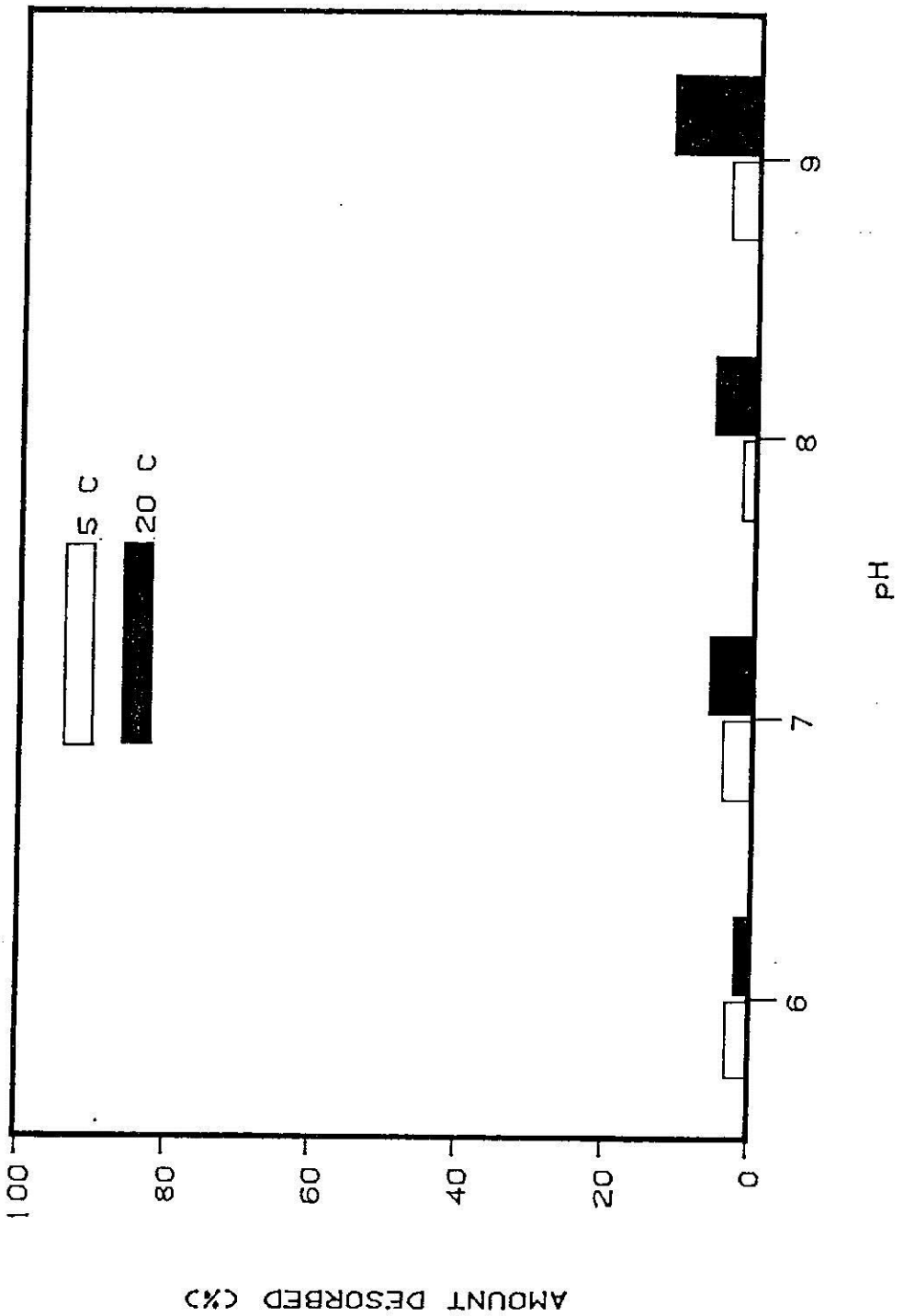

Figure 23. Desorption (%) of adsorbed ^{14}C-rotenone from Chocolay River, Michigan, sediments at selected temperatures and pH's.

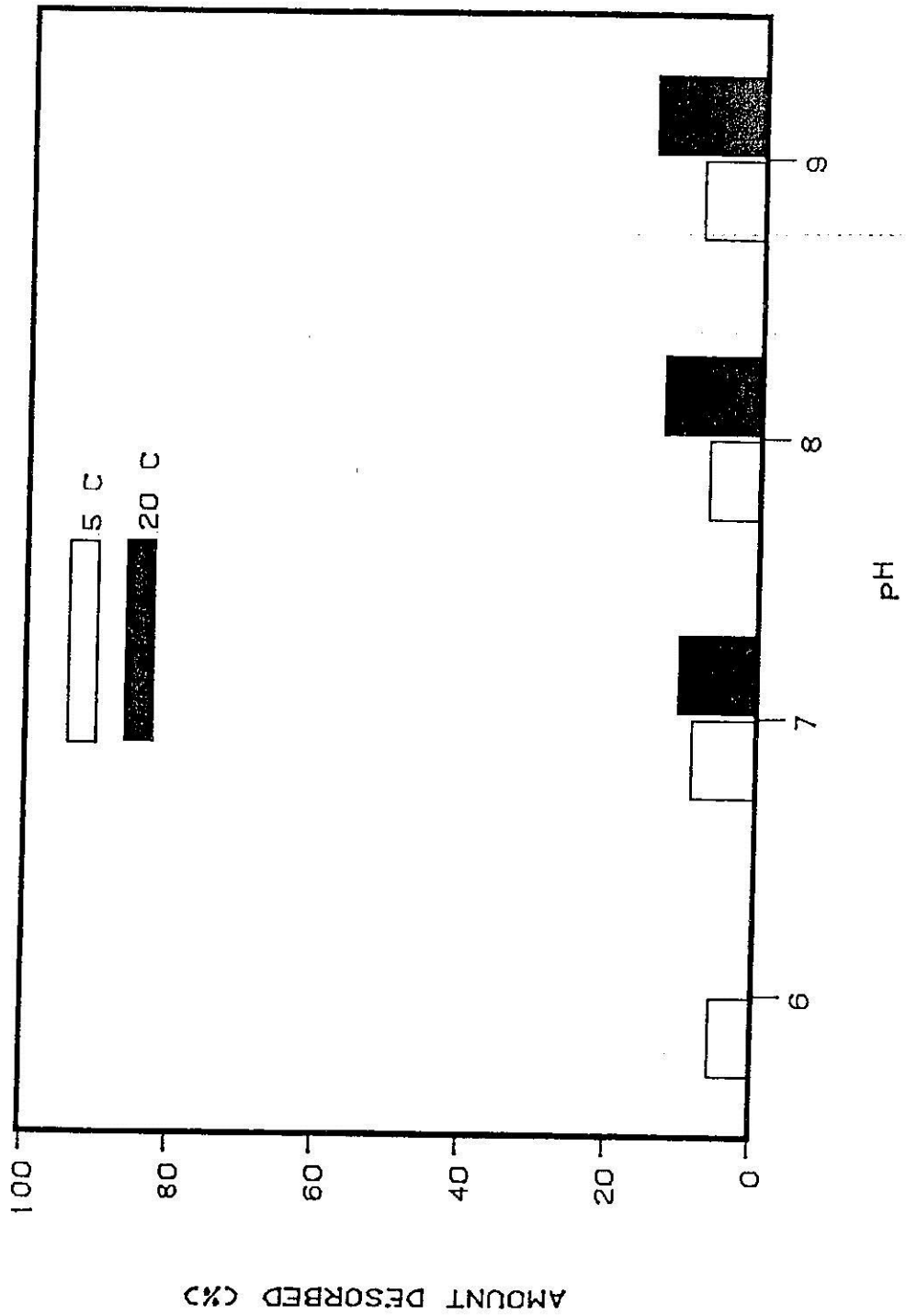

Figure 24. Desorption (%) of adsorbed ^{14}C-rotenone from Ford River, Michigan, sediments at selected temperatures and pH's.