How Modern Variability in Fluvial $\delta^{13}C_{DIC}$ May Impact Fundamental Assumptions in Carbon Isotope Stratigraphy and Neoproterozoic Carbon Cycling Interpretations



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Figure 4: Examples of three different river catchments with isotopically heavy^{6,7}, light^{8,9}, and average^{10,7} δ¹³C_{DIC} values (compared to total distribution) and their bedrock geology



oleum Resources. British Columbia Geological Survey Open File 2017-8 otopic composition, and export fluxes of DOC, POC, and DIC from the Lower Mississippi River during 2006-2008: Journal of Geophysical Research G: Biogeosciences, v. 120, p. 2273–2288, doi:10.1002/2015JG00313