



FIGURE 4. Distribution of ^{18}O depleted (stippled pattern) and ^{18}O enriched (cross-hatched pattern) whole rock $\delta^{18}\text{O}$ values in the Noranda mining district, Quebec. X's indicate sites of volcanogenic massive sulfide mineralization. Note close correlation of low ^{18}O "fingers" and sites of mineralization (From Cathles, 1993).