



PLATE 1

GEOLOGIC MAP OF THE LAKE CITY CALDERA, SHOWING LOCATIONS AND $\delta^{18}O$ VALUES OF SAMPLES
 GEOLOGY FROM LIPMAN (1976a) AND K. HON (UNPUBLISHED DATA)
 SEE PLATE 4 FOR EXPLANATION

● 4.1
 Sample location, with $\delta^{18}O$ value. All data are whole-rock unless noted as: q, igneous quartz; q, hydrothermal quartz; K, alkali feldspar; M, muscovite; C, chlorite; P, plagioclase. Data from the resurgent and ring fracture intrusive rocks of the Lake City caldera are underlined.