

Economic Geology of the Granite Dimension Stone Industry in Vermont



Date: Monday, September 16, 2019; 8:00 am – 4:00 pm

Cost: \$99

Registration for this trip includes box lunch, water, snacks, and transportation

Leaders: Dorothy Richter, CPG, PG & Donald Murray, PE

Dorothy is currently President of Richter Geology PLLC, in Windham, New Hampshire. She was Chief Geologist at Rock of Ages Corporation in Barre, Vermont from 1976 to 1984. Don is Chief Engineer for Rock of Ages Corporation in Barre, Vermont.

Description: Devonian granitic plutons of varying size intruded Silurian-Devonian metasedimentary rocks of the Connecticut Valley Trough in eastern Vermont between the Massachusetts and Quebec borders during the Acadian Orogeny. Several of the smaller plutons have been quarried for dimension stone at one time or other. Most are grey to white, two-feldspar two-mica granitoids. During this field trip, we will examine active granite dimension stone quarry operations in Bethel, Barre, and possibly Woodbury, Vermont. We will also visit an active granite processing facility in Barre. The emphasis will be on the geologic factors that make these granite bodies viable for economic operations today.

Sturdy field shoes are recommended and be sure to bring your hard hat.