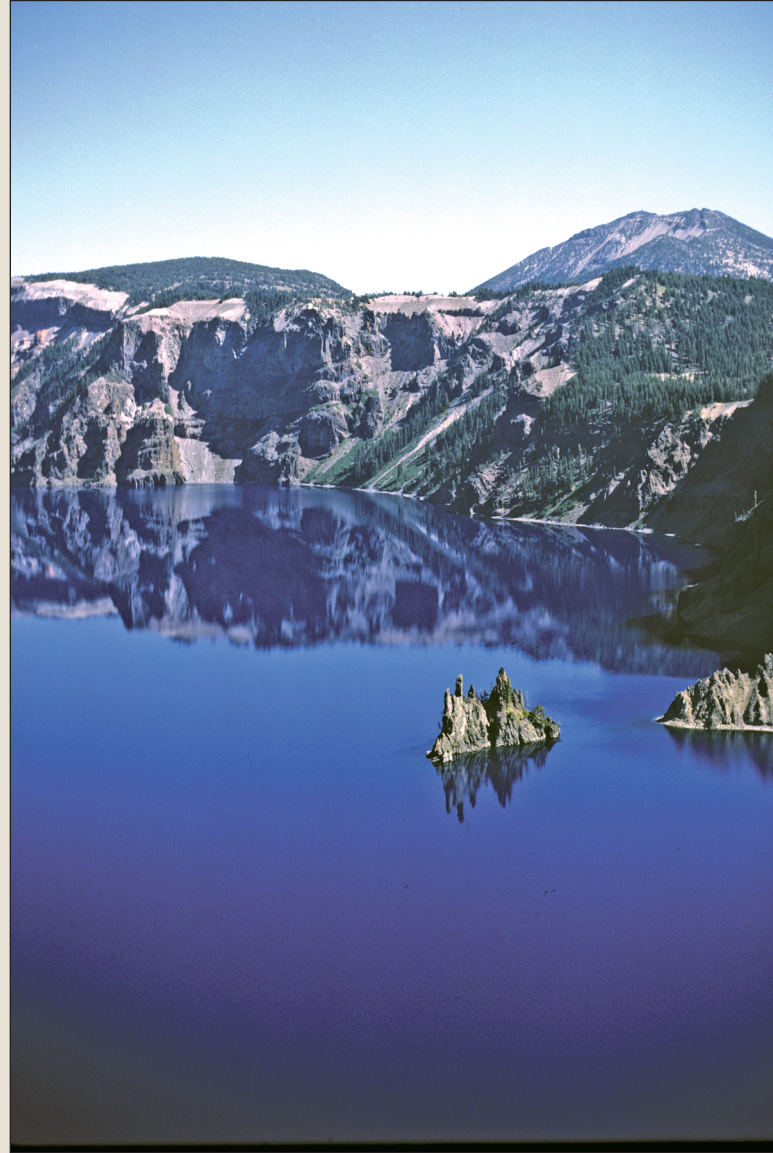


BEDROCK GEOLOGIC MAP AND VOLCANIC HISTORY

The bedrock geologic map (left, 1:50,000 scale) shows interpreted probable extents of map units that commonly are largely obscured by pyroclastic and other fragmental deposits on the 1:24,000-scale geologic map (sheet 1). Thick pyroclastic deposits in major valleys and low-lying areas are mapped as undivided deposits of the climactic eruption (unit *cd*). Large areas of talus, landslide, and sedimentary deposits within the caldera also are shown. Some bedrock units have been generalized for clarity.

A series of six maps (above) based on the bedrock geologic map depicts the interpreted volcanic history of the area during intervals selected to highlight pulses of volcanism: *A*, >350 ka; *B*, 350–260 ka; *C*, 260–180 ka; *D*, 180–80 ka; *E*, 80–40 ka; and *F*, 40–0 ka. Colored units in each figure indicate units emplaced during the interval represented by that figure; white gray units indicate those that are older. White area is regional rock in place before Mount Mazama volcanism. Unit areas are bounded by present exposures and have not been reconstructed to their original limits. In many cases, only small patches represent units that clearly once were far more extensive. Because not every unit has been radiometrically dated, some age assignments may prove to be incorrect. See unit descriptions in Description of Map Units (pamphlet).



Geologic Map of Mount Mazama and Crater Lake Caldera, Oregon

By
Charles R. Bacon
2008