



### **Bumpass sequence**

View looking south from the summit of Lassen Peak. The dacite of Lassen Peak (unit dl,  $27 \pm 1$  ka) and rhyodacite flow of Kings Creek (unit rk,  $35 \pm 1$  ka) are part of the Eagle Lake sequence of the Lassen domefield. The dacite of Mount Helen (unit dh,  $249 \pm 12$  ka), the dacite of Bumpass Mountain (unit db,  $232 \pm 8$  ka), and the rhyodacite of Mount Conard (unit rmc,  $298 \pm 9$  ka) are part of the Bumpass sequence. The dacite of Bumpass Mountain overlies the andesite of Mount Diller (unit amd,  $387 \pm 10$  ka, part of the Diller sequence), here forming the northeast rim of the amphitheater eroded into the core of Brokeoff Volcano. The summit of Mount Conard forms the southeast rim of Brokeoff Volcano (unit amc,  $>470$  ka, part of the Mill Canyon sequence). The andesite of Rice Creek (unit ar,  $480 \pm 5$  ka) is part of the overlying Diller sequence. Morgan Mountain is a dacite dome (unit dmm,  $\sim 800$ – $825$  ka) that is part of the Rockland caldera complex. Mill Creek Plateau (unit rmp,  $\sim 1,200$ – $1,300$  ka) is a large, very thick rhyolite flow that is part of the Maidu Volcanic Center. The andesite of Wild Cattle Mountain (unit Taw,  $\sim 1,600$ – $2,000$  ka) and the andesite of Doe Mountain (unit adm,  $1,400$ – $1,650$  ka) are part of the Dittmar Volcanic Center. The Yana Volcanic Center ( $\sim 2,400$ – $3,400$  ka, Figure 5) is not addressed in this report.

*Photograph by Patrick Muffler.*