



Little Hot Springs Valley

View looking north from Calif. Hwy 89 on the west side of Little Hot Springs Valley (Lassen Peak quadrangle). Lassen Peak (unit dl, 27 ± 1 ka), rhyodacite of Kings Creek (unit rk, 35 ± 1 ka), and Eagle Peak (unit re, 66 ± 4 ka) are part of the Eagle Peak sequence. Ski Heil Peak (unit ds, 244 ± 10 ka), the dacite of Lassen Peak parking lot (unit dpl, 250–260 ka), Mount Helen (unit dh, 249 ± 12 ka) and Bumpass Mountain (unit db, 232 ± 8 ka) are domes of the Bumpass sequence; Ski Heil Peak is mantled by tephra from the eruption of Eagle Peak. The resistant andesite of Mount Diller (unit amd, 387 ± 10 ka), part of the Diller sequence, marks the rim of the erosional amphitheater in Brokeoff Volcano. The underlying andesites of Mill Canyon (unit amc, 590–470 ka) consist of interbedded flows and breccias (many hydrothermally altered) and are highly eroded by glacial, fluvial and landslide processes. Active thermal features include acid hot springs and mud pots and fumaroles that are concentrated in landslide deposits near East Sulphur Creek, as well as neutral to alkaline travertine-depositing hot springs higher in the valley. *Photograph by Patrick Muffler.*