



Brokeoff Mountain

View of Brokeoff Mountain looking west from turnout on Calif. Hwy 89 south-southwest of Diamond Peak (Lassen Peak quadrangle), approximately the center of the Brokeoff Volcano. Foreground to middle ground consists of incipiently to strongly altered lava flows and fragmental deposits of the Mill Canyon sequence, with many post-glacial (<15 ka) landslides. Brokeoff Mountain forms the southwest rim of Brokeoff Volcano and consists primarily of the dacite of Twin Meadows (unit dt, 470 ± 10 ka, the uppermost unit of the Mill Canyon sequence). The overlying andesite of Mount Diller (unit amd, 387 ± 10 ka, part of the Diller sequence) crops out just beyond the summit of Brokeoff Mountain and is not visible in this photograph. The andesite of Glassburner Meadows (unit ag, ~450 ka) is also part of the Diller sequence.

Photograph by Michael A. Clynne.