



### Regional calc-alkaline volcanoes

View looking 310° from US Forest Service road 33N13, 0.3 mile north of Calif. Hwy 44, 0.77 mile at 063° from Butte Creek Ranch (Swains Hole quadrangle). Prospect Peak (unit ap, 247±56 ka) and West Prospect Peak (unit awp, 300–400 ka) are regional calc-alkaline andesite and basaltic andesite shield volcanoes. The andesite of hill 7416 (unit a74, ~12–15 ka) is part of the younger Twin Lakes sequence. Snow-covered Lassen Peak (unit dl, 27±1 ka) in the distance is a composite dacite dome of the Eagle Peak sequence of the Lassen domefield. The andesite of Bidwell Spring (unit adb, ~25–45 ka) is the youngest flow of the Bidwell Spring chain, part of the Caribou Volcanic Field. Hill 5862 is the cinder cone of the basalt of Butte Creek Campground (unit bcg, ~600–650 ka). Hill 5598 is the cinder cone of the basalt of Butte Creek Ranch (unit bcr, ~800–850 ka). Unforested surface in the foreground is underlain by the basalts and basaltic andesites of Swains Hole (unit bsh, ~600–725 ka).

*Photograph by Patrick Muffler.*