



## Lassen Volcanic Center

Telephoto view looking 080° at the Lassen Volcanic Center from E 0586560, N 4474400 on Wildcat Road (Shingletown quadrangle). Dome B of Chaos Crags (unit rcb, 1,103±13 yr B.P.), Lassen Peak (unit dl, 27±1 ka) and Eagle Peak (unit re, 66±4 ka) are dacite and rhyodacite domes in the Eagle Peak sequence. The dark, triangular mass on Lassen Peak is the west lobe of the dacite flow of May 19–20, 1915. The rhyodacite dome of Loomis Peak (unit rlm, ~300 ka) is part of the Bumpass sequence. The andesite of Viola (unit av, 313±8 ka) is part of the older Twin Lakes sequence. The higher parts of Brokeoff Volcano (590–390 ka) were destroyed by glacial, landslide, and fluvial erosion; there is no evidence of a cataclysmic eruption or of a caldera. Mount Diller consists of the andesite of Mount Diller (unit amd, 387±10 ka); Brokeoff Mountain consists of the dacite of Twin Meadows (unit dt, 470±10 ka, the uppermost unit of the Mill Canyon sequence) with a thin cap of the andesite of Mount Diller. Red Rock Mountain (unit drr, 672±20 ka) is a dacite dome of the Rockland caldera complex. Digger Butte (west of sheet 1, see sheet 3) is a regional calc-alkaline basalt (~600–780 ka). Blocky surface in the foreground consists of debris-flow deposits coeval with the Rockland Tephra (607±7 ka; part of the Rockland caldera complex).

*Photograph by Patrick Muffler.*