



Axis of the Cascade Range

View looking north from Prospect Peak (Prospect Peak quadrangle) along the Cascade Range. Andesite of hill 7416 (unit a74, ~12–15 ka) is part of the younger Twin Lakes sequence. Prospect Peak (unit ap, 247±56 ka), West Prospect Peak (unit awp, 300–400 ka), Sugarloaf Peak (unit ass, 46±7 ka), Burney Mountain (243±24 ka), Doyle Butte, Cornaz Peak, Brown Butte and The Whaleback are calc-alkaline volcanoes along the present axis of the Cascade Range. Mount Shasta, also a young Cascade calc-alkaline volcano, is displaced significantly west of the axis. Haight Mountain is part of an older regional calc-alkaline volcanic center (R.L. Christiansen, personal communication, 2008). Garner Mountain and Soldier Mountain are older regional calc-alkaline volcanoes. Medicine Lake Volcano is a large, young, shield-shaped volcano east of the Cascade axis. The tholeiitic Hat Creek Basalt (unit bhc, 24±6 ka) flowed north in the Hat Creek Graben, west of the major fault scarp of the Hat Creek Rim. Exposed in the fault scarp are andesites, basaltic andesites and basalts of the Hat Creek Rim (unit ahc, 1,650–900 ka). The plateau east of the Hat Creek Rim is covered primarily by the tholeiitic basalt of Calif. Hwy 44 (unit b44, 190±18 ka).

Photograph by Patrick Muffler.