The Wadsworth tungsten mine is on the north bank of the Truckee River 4 miles west of Wadsworth, Wadsworth quadrangle. It is opened by a 320-foot adit that passes beneath U. S. Highway 40 at a depth of 40 feet. Drifts amounting to several hundred feet extend east and west from the adit; from the west drift, a raise connects with the surface 150 feet above, and a winze extends downward 20 feet in ore. The mine is on patented land purchased by Rare Metals Corporation in 1939-40 from the Southern Pacific Railroad Co. and others. The underground workings were dug by Rare Metals Corporation in 1940-1941, and 400 tons of ore containing 0.5 percent of WO_3 were shipped to the Toulon mill.

Thin lenticular layers of scheelite-bearing tactite are found in 2 pendants of metamorphic rocks surrounded by granodiorite and cut by an aplite dike (fig. 170). The pendants consist mainly of light-

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Fig. 170. Geologic map and section of the Wadsworth mine, Washoe County, Nevada.

colored, calc-silicate hornfels, but also contain layers of schist and dark hornfels. Several faults with apparent displacements of 5 to 20 feet cut across the strike of the metamorphic rocks. These faults appear to be pre-mineral, for scheelite occurs in greater concentrations where the faults cross favorable beds.

The tactite bodies that contain appreciable amounts of scheelite are exposed at the surface for widths of 3 feet and lengths of 30 to 50 feet. The content of WO_3 is estimated at 0.3 to 0.75 percent. The ore bodies appear to be even smaller where exposed in the adit at a depth of 150 feet.