

LITTLE APPLGATE RIVER TALC DEPOSITS

Location: Secs. 29, 30 and 31, T. 39 S., R. 1 W., and Sec. 6, T. 40 S., R. 1 W.

Description of deposits: Talc was seen at several places along the branch road from Glade Creek to Brickpile Ranch. Several pieces of talc schist float were noted about 750 ft north from the junction with Glade Creek Road in the N $\frac{1}{2}$ Sec. 6, at about 3,270 ft elevation. Sample AUG-94 of foliated talc schist was collected along the road at various points between road junctions with the upper level (contouring) road. Minor chlorite schist was also noted. Sample AUG-95 was taken from a 2-ft thick seam of talc which crops out on the upper contour road about 110 ft south of the road junction. This talc is a light tan, iron-stained, fine-grained variety with some mixed carbonate.

South on this upper contour road about 55 ft from the 2 ft seam is a sheared iron-stained talc zone in serpentinite about 12 ft thick which strikes about N. 45° E. and dips 75° SE. Sample AUG-96 was chipped across this zone. Sample AUG-97, a massive iron-stained talc with disseminated carbonate and minor chromite was taken from a 2-ft diameter float boulder about 6 ft south of the foliated talc zone. On the upper road about 90 ft south is a poorly exposed narrow zone of rusty talc schist which strikes about N. 30° E. and dips steeply west. This exposure was not sampled.

Back on the main road to Brickpile Ranch minor talc float occurs at the bend near the north line Sec. 6, about 1/10 mi north from the contour road junction. About 1/3 mile along road, north from Sec. line 6-31, note 4 ft boulder of rusty talc and then a small landslide area. About 1/10 mile beyond the 4 ft boulder is

Little Applegate River Talc Deposit

Page 2

an outcrop of rusty talc and float area for about 250 ft along the road where Sample AUG-98 was collected. The only other talc seen between this point and the Little Applegate River crossing was minor talc float in a small gully about 700 ft west of the bridge.

A "talc carbonate schist" was described at the Prater Chromite Deposit (Ramp, 1961, p. 91). The occurrence may be reached by driving northwest on the timber access road about 1/10 mile from the bridge in Sec. 32, then left on a jeep trail for less than 1/2 mile which crossed second water gulch, fords the Little Applegate and ends at the diversion dam for Sterling ditch. From this point, hike down the ditch to First Water Gulch, then up the slope northwest to the deposit at about 3,200 ft elevation. The foliated talc-bearing zone appears to be about 35 ft thick and at least 500 ft long. It strikes about N. 60° E. and dips 45° north. The talc zone lies just above (north of) the old chromite pit. Sample AUG-99 was collected from this occurrence.