

UPPER APPLGATE CREEK TALC
Occurrences in Douglas and Jackson Counties

Some talc alteration was found on a forest service timber access road north of Panther Peak in Secs. 27 and 34, T. 32 S., R. 3 W.

The first exposure was noted on a sharp bend in the road around the nose of a small ridge at a point $4\frac{1}{2}$ miles east of Goolaway Gap on a dead end timber access road. This occurrence of talc and fibrous tremolite alteration in metaserpentinite surrounded by decomposed diorite and associated with amphibolite is in the $SE\frac{1}{4}$ of the $NW\frac{1}{4}$ Sec. 34, at 3,370 ft elevation. Where cut by the road in the sharp bend, the metaserpentinite zone appears to be about 160 ft wide (measured east-west); but I failed to find any significant extension to the north or south due to brush and lack of exposure. I estimate about 30 percent of the metaserpentinite is altered to talc and tremolite. Noted a few boulders of apparent massive talc up to $2\frac{1}{2}$ ft in diameter. The larger boulders may have a serpentinite core (?). Took a single composite sample of this occurrence - a multiple random grab and chip from large boulders and float pieces.

A second exposure of talc alteration with tremolite was discovered about $1/2$ mile down the road to the north (about 2,000 ft due north) in the SE corner $SW\frac{1}{4}$ Sec. 27 just north of the Douglas/Jackson County line near the $\frac{1}{4}$ cor Secs. 27 and 34 (but didn't find it) at about 3,270 ft elevation. This road cut exposes amphibolite, talc-tremolite schist, metaserpentinite and diorite. The ultramafics make up about 30 ft of the exposure along the north north east trending road. A multiple random chip sample was also taken of this exposure. Analyses are pending.

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