



EXPLANATION

- Kaolinized greisen or greisenized rhyolite dike rock**
Soft, gray, green to purple. Pseudoporphyritic texture caused by kaolin patches. Some facies contain high percentage of pink mica and fluorite; unit generally contains sulfide minerals and cassiterite and minor amounts of wolframite
- Highly fluoritized greisenized dike rock**
Hard to moderately hard, white to gray white; contains minor amounts of sulfide minerals, lesser amounts of cassiterite and wolframite
- Altered rhyolite**
Dike rock; lithology unknown because of lack of exposures
- Altered rhyolite**
Dike rock containing more than the usual amount of thin discontinuous sulfide-bearing veinlets generally trending along dike
- Marmorized limestone**
Cut by many thin veinlets containing one or more of following: fluorite, sulfide minerals, silicate minerals, carbonate minerals, cassiterite, and wolframite
- Completely kaolinized limestone**
Contains vugs lined with carbonate, and some fluorite; dashes indicate shearing; large dots denote coarsely crystalline carbonate minerals
- Intensely fluoritized tactite or limestone**
Generally brown to purple. Spacing of x's denotes relative amount of fluorite; isolated x's denote noticeable fluorite in surrounding rock
- Fault breccia and gouge, showing dip of fault**
U, upthrown side; D, downthrown side
- Clay alteration**
Spacing of dots indicates degree
- Contact, showing dip**
Dashed where gradational or inferred; questioned where determined from drill-hole sludge
- Fault, showing dip**
Dashed where inferred or consisting of discontinuous parallel shears. U, upthrown side; D, downthrown side
- Strike and dip of beds**
- Strike and dip of joints**
- Veinlet**
Showing dip, average thickness, and major constituents as determined megascopically
- Two-compartment vertical shaft going above and below level**
- Two-compartment inclined shaft going above and below level, showing inclination**
- Percussion drill hole from drift showing tin content of sludge samples in percent**
- Location and reference number of clay sample listed in text table**
- U. S. Tin Corp. survey coordinates**
- U. S. Tin Corp. survey spad showing number, where known**

Base map modified from transit survey by U. S. Tin Corp.

GEOLOGIC MAP OF 195 LEVEL, LOST RIVER MINE, ALASKA

