

OREGON GRANITE COMPANY (building stone)

Jacksonville area

Location: sec. 17 (?), T. 37 S., R. 2 W., two miles north of Jacksonville.

General: "The chief building stone is 'granite' which outcrops in cliffs about two miles north of Jacksonville at an elevation of about 2000 feet, as measured by aneroid barometer. The 'granite' here is weathered to a depth of only 10-20 feet, and the underlying rock is solid with joints well spaced. In a gulch near the quarry of the Oregon Granite Company weathering extends to somewhat greater depth. The rock is quite coarse in grain and of a mottled bluish gray color. Bunches of much darker color are present, but they are not abundant; they seem to be due to incomplete assimilation of fragments of foreign rocks caught in the granitic magma before its crystallization. Microscopically this rock consists chiefly of coarse plagioclase feldspar with some quartz, brown biotite, green hornblende, and a little titanite and magnetite. The hornblende is partly altered to chlorite, and most of the plagioclase is zonal, showing partial alteration to sericite at one stage of growth and external borders wholly unaltered. Petrographically the rock is a typical tonalite, or quartz diorite. The joints along which the rock breaks in quarrying are well shown in the photograph of the quarry (Plate III)."

Reference: Winchell, 14:140 (quoted)