

Troutdale
Pebbles

September 28, 1940

Allen-Libbey

Troutdale Quartzite for Silica

#1 Quarry 2.75 m. S. of Boring. Center SE $\frac{1}{4}$ sec. 7, T. 2 S., R. 4 E.
El. about 500'

35' face in gravels: $\frac{1}{2}$ "-8"; average size, predom. 2" about

Sand, grit, fine gravel	35%	
Pebbles, bldrs.	65%	
Quartzites	25%	Quartzites, reddish 20% plus
Other	40%	" , white 10% minus

#2 Ridge (landslide) on N. side of Tickle Creek, 0.3 m. W. of bridge, NW $\frac{1}{4}$ sec. 18, El. 500'. Over 1/4 mile long E-W, surface all loose bldrs. and pebbles. Quartzites 20-30%. Here the slump ridges, isolated from the overburden of the 600-700' terrace above, have on the surface been washed clean of small gravel, sand, and grit.

#3 Quarry, 0.2 m. S. of bridge, NE $\frac{1}{4}$ sec. 18, W. side of road. Vert. face 50' high. Upper 10' of lava bldrs. 10% in yellow Troutdale grit 90%. Lower 40' of fairly uniform consolidated gravel, pebbles average $1\frac{1}{2}$ -2", only 20% quartzite. Pebbles 65%; sandy matrix 35%