

## TROUT LAKE DAM

Before deciding upon the location of the Concrete Dam at Trout Lake, a large amount of preliminary work had to be done in order to ascertain the nature and exact position of the underlying granite bed-rock, which was covered over with a strata of hard-pan of varying thicknesses. Ten shafts were sunk through this strata, varying from 20 to 54 feet in depth, and connected with drifts running along the bed-rock. In this manner the most suitable location was selected and proved. The excavation was then carried down to the bed-rock for the entire length and width of the Dam, requiring the removal of about 20,000 cubic yards of hard-pan and boulders.

The Dam has a maximum height of 54 feet and a width at its base of 40 feet, its length on the crest being 361 feet.

It is penetrated by ten 54-inch and two 24-inch pipes, all fitted with a special design of gates and screens on the up-stream face.

The concrete work amounts to 10,000 cubic yards, and was completed within five months from the date of its commencement, White Bros.' Portland cement being used chiefly in its construction.