

TO ESTIMATE THE RESERVOIR CAPACITY FOR A CITY WATER SUPPLY

Prepared by: Ting Siow Ngee

ABSTRACT

A reservoir is a large, artificial lake created by constructing a dam across a river. The available storage capacity of a reservoir is the quantity of water for a reservoir can hold. The minimum reservoir capacity is the maximum value of the accumulated excess demand volume.

The method for drawing the elevation-storage and elevation-area curves is one of the methods that can get the more detail for the reservoir. But it is needed more complete information about the reservoir.

The method, which is used in this project, is mass curve and then uses water budget equation to get more details.