

Section 1

Q3 → Why is base flow separation from total runoff define recurrence interval of floods?

Ans Thus only the base flow is to be deducted from the total storm hydrograph to obtain the surface flow hydrograph. In this method the separation of the base flow is achieved by joining with a straight line the beginning of the surface runoff to a point on the recession limb representing the end of the direct runoff.

The term "100-year flood" is used to describe the recurrence interval of floods. The 100-years recurrence interval means that a flood of that magnitude has a one percent

① Change of occurring in any given year in other words, the chances that a river will flow as high as the 100 year flood stage this year is 1 in 100.