

Section - 2

* Design floods -

→ The project design flood is a hypothetical "max^m probable" flood of the Mississippi River used by the United States Army Corps of Engineers to aid in the design and execution of flood protection in the Mississippi Valley.

→ The term "Design Flood" is used to denote the max^m flood flow that could be passed without damage or serious threat to stability of eng. structure.

→ This section shows the procedure to select the flood magnitude for the design of hydraulic structure.

- Spillway design flood
- Standard project flood
- probable max^m.

Factor affecting of Flood hydrograph

Following are the factors —

1) Amount and Type of Rainfall.

2) Temp.

3) previous weather conditions.

4) Relief

5) Drainage Density

6) Rock Type

7) Soil.

8) Land use

9) Slope etc.