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
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Reservoirs are structures that store water. In general, we observe high flow in winter and low flow in summer, and very high values in spring months or snowmelt seasons in Northern Hemisphere. On the other hand, the water demand is high in summer and low in winter. Therefore, the regulation of the streamflow is required to meet the demands. Rule curves indicating temporal storage requirements according to local conditions and project demands need to be used for effective operation purposes. CVE 471 Water Resources Engineering. 31/39. Suspended sediment and bed load are deposited as a delta at the head of the reservoir. Reservoir sedimentation directly affects the lifetime of a dam. However, mechanics of reservoir sedimentation is highly.