and water storage reservoirs to enhance crop production and reduce delivery of agrichemicals and sediments to local waterways. Three WRSIS demonstration sites
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 the 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. 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.