



A comparison for methods of Estimation Suspended Load (Case study: Basin of Dez Dam)

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Abstract

Suspended load in water are part of problems for managing Dams. Then a study on suspended load is needed before construction hydraulically instruments. There are several methods that all of them need sample data of river that is under study or adjacent rivers and because of limitation at statistical periods, interpolation and/or extrapolation will be necessary.

In this research, regarding to absence of gauges on River, study were done using stations around the basin and the result was used to the basin on the area-ratio basis. This study was done using single line sediment duration curve (SDC), two line and seasonal SDC and, FAO methods. Then the results of all methods have compared with collected sediments behind the Dam and best method for study area was selected.

Key Words:

Suspended load, Sediment, Hydrometric Station, sediment duration curve, River.